									<u>D</u>	etails of Grid E	vents durin	g the Month of August 2023 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 generation the G	n / loss of load during irid Event	% Loss of generation Antecedent Genera Regional Grid durin	ation/Load in the	Antecedent Genera Regional	ion/Load in the Grid*	Brief dataBs of the event (pre fault and post fault system conditions)	Elements Tripoed
	(GI 1or 2/ GD-1 to GD-5)		of 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	Haryana	01-Aug-2023 07:51	01-Aug-2023 08-29	00:38	0	0	0.000	0.000	54742	62652	I) During antecedent condition, 800 KV IVOC Kurukshetra/PG) Pole-1, 2, 3 & 4 were carrying 1187 MV, 1198 MV, 1191 MV and 1195 MV respectively from Champa to Kuruksheta. Total power order was approx. SODAW. II) An eported, 407 51.06m, 800 KV IVOC Kurukshetra/PG] Pole-02 & 04 get blocked. "Pulc 7 ration" protection latched at Kuruksheta end. Due to T-one protection Pole 2 blocked and garenatic CT 18 services as per protection property to isolate Punitel Pole ability. Due to this, Pole 4 get blocked on CT 8 protection initiated by Pole 2. III An eported by POLE CT 8 services as per protection protection garenatic blocked. III Correct span is received by Ne 2. Prough Ripot exhibit. III Correct span is received by Ne 2. Prough Ripot exhibit. III Correct span is received by Ne 2. Prough Ripot exhibit. III Correct span is received by Ne 2. Prough Ripot exhibit. III Correct span is received by Ne 2. Prough Ripot exhibit. III Correct span is received by Ne 2. Prough Ripot exhibit. III Correct span is received by Ne 2. Prough Ripot exhibit. III Correct span is received by Ne 2. Prough Ripot exhibit. III Correct span is received by Ne 2. Prough Ripot exhibit. III Correct span is received by Ne 2. Prough Ripot exhibit. III Correct span is received by Neu 2. Prough Ripot exhibit. III Correct span is received by Neu 2. Prough Ripot exhibit. III Correct span is received by Ripot	1) 800 KV HYDC Kunskshetra(PG) Pole-62 2) 800 KV HYDC Kunskshetra(PG) Pole-04
2	GI-2	Uttar Pradesh	03-Aug-2023 05:07	03-Aug-2023 08:10	03:03	0	0	0.000	0.000	48238	61353	1) Both 400 & 220 VV side of 400/220kV Baghpat(PG) has double main hus scheme. 220 VV Baghpat(PG)-Shami(UP) (UP) Ckt. 220 VV Baghpat(PG)-Madpurzm. 2 (UP) (UP) Ckt. 1, 220 VV Baghpat(PG)-Madpurzm. 2 (UP) (UP) Ckt. 2 20 VB Abghpat(PG)-Madpurzm. 2 (UP) (UP) (Ckt. 2 20 VB Abghpat(PG)-Madpurzm. 2 (UP) (UP) (Ckt. 2 20 VB Abghpat(PG)-Madpurzm. 2	112200/ Bay 1 at Baylpat(PC) 31 400/2004 S00 M/V4.CT 1 B Baylpat(PC) 31 2007 Valpaper(S-Shamil(UP) (UP) Ct 41 200 VK Baylpat(PG)-Mark(UP) (UP) Ct 41 200 VK Baylpat(PG)-Barb(UP) (UP) (VC 4:1 6) 200 VK Baylpat(PG)-Barb(UP) (UP) (Ct-1 6) 20 KV Baylpat(PG)-Barb(UP) (UP) (Ct-1
3	GD-1	Uttar Pradesh & Uttarakhand	04-Aug-2023 03-09	04-Aug-2023 04-42	01:33	892	65	1.839	0.101	48512	64451	I) Power of E3.54 MW Asknands HP, 100 ⁴ MW Vichnupsong HP and 33 ⁴ MW Singlil Bishami HP excustes through 400 N Alaknands OK (IPC) MustIfumagar(IP) of and 400 V MustIfumagar(IP) Winkspang/IP) (e)r, ct. Singli Bishami HP excustes through 400 N Alaknands OK (IPC) MustIfumagar(IP) of and 400 V MustIfumagar(IP) Winkspang/IP) (e)r, ct. Singli	1400 KV Alakhmanda (VVU/UFC) Aluzaffarnagar (UP) (UP) Ckt 2400 KV Vahnuprayag(UP)-Aluzaffarnagar (UP) (UP) Ckt 3100 KV Vahnuprayag (UP)-Vahnuprayag(UP) (UP) Ckt 3100 KV Vahnuparyg (HFS-UNT 1 5110 MV Vahnuparyg (HFS-UNT 3 7110 MV Vahnuparyg (HFS-UNT 3 7110 MV Vahnuparyg (HFS-UNT 3 7110 MV Vahnuparyg (HFS-UNT 3 7110 MV Vahnuparyg (HFS-UNT 3 7113 Sam V Singeli Bahawar (Singeli (UTUP)) (Hed)-Sringgar (UD) (PTCU) Ckt 1 713 Sam V Singeli Bahawar (Singeli (UTUP)) (HFS-UNT 1 714 OK V Alaknanda CVV(UF) CS-Singer(UU) (Herd) (UX) Ckt 2 168 ZS- 5W VAlaknada HFS- UNIT 3 718 ZS- 5W Alaknada HFS- UNIT 3 718 ZS
4	GD-1	Punjab	05-Aug-2023 20:15	05-Aug-2023 22:13	01:58	o	125	0.000	0.176	54875	70983	I) During antecedent condition, 220 kV Dhurl-K-Nabha/PS (3k-1 & 2 were already under shutdown. II) Are reported, # 20 25/ms, B-H phase to earth flash occurred in 220 VF Patialaph(PS) Nabha/PS) (PSC12(3k-1, flash sensed in zone-1 at Nabha/PS) (PSC12(3k-1) was approx. 5-469A. Rehover in invalued was observed: Fault distance were 32 min from Haba/PS (and pace IX), flash sensed in zone-1 at Nabha/PS) (PSC12(3k-1) was approx. 5-469A. Rehover in invalued was observed: Fault distance were 32 min from Haba/PS (and pace IX), flash sensed in zone-1 at Nabha/PS (PSC12(3k-1) was approx. 5-469A. answccedul and line tropper from PatialaPS) of min Haba/PS (and pace IX), flash PSC (and pace IX), flash sensed in zone-2 at PatialaPS (and into X). PatialaPS (and IX) PatialaPS(And PASE) (PSC14) (1) 220 KV Patilala(PG)-Naehna(PS) (PSTCL) CK-1 2) 220 KV Patilala(PG)-Naehna(PS) (PSTCL) CK-2
5	GI-2	Haryana	05-Aug-2023 11:18	05-Aug-2023 12:45	01:27	0	290	0.000	0.428	61500	67733	I) During antecedent condition, active power loading on 400/220 kV 450 MVA KCT 1 and 400/220 kV 500 MVA ICT 2 at Panipat(BB) were 282 MW and 302 MW respectively, ii) As protected by 480M, at 11 silver, 20 KV PanipatT(MV)-Panipat(BB) (MVAIL (K-3 tripped on R-4 phase to enth fault with fault current of 2.14 kI and fault distance of 45.58 ii) As protected by 480M, at 11 silver, 20 KV PanipatT(MV)-Panipat(BB) (MVAIL (K-3 tripped on R-4 phase to enth fault with fault current of 12.41 kI and fault distance of 45.58 ii) As reported by 480M 220 KV Subject/MVD Panipat(BB) (MVAIL (K-3 ki proped on R-4 phase to enth fault with fault current of 12.73 kJ and fault distance of 30.24 km from Panipat(BB) ent, fault sense fault on the hase there on the 14 hashes to enth fault with fault current of 2.73 kJ and fault distance of 30.24 km from Panipat(BB) enth, ACT 1 and 402/02 VI So 40 kV (CT 2 at equipat(BB) ab tripped fault maint, entry 20 kJ at Panipat(BB) enth (MVAIL CT 1 and 402/02 VI SO 40 kV (CT 2 at equipat(BB) ab tripped fault methods) and 220 kV sides. (exact reson yet to be shared) v) As per FML at Panipat(BB). PM phase to enth fault with delayed clearance of 1200mc is observed.	11 400/220 kV 450 MVA ICT 1 st Penjext(BB) 21 400/220 kV 500 MVA ICT 2 st Penjext(BB) 31 200 KV Penjext(HKV)-Penjext(BB) (HVPRL) Ck-3 4) 220 KV Penjext(HKV)-Penjext(BB) (HVPRL) Ck-4
6	Gi-1	Rajasthan	06-Aug-2023 09:48	06-Aug-2023 10:24	00:36	0	1740	0.000	2.824	55398	61622	I) As reported by SLDC Rajastham, at 09-48/hvs on 66th August, 2023, Y phase Jumper of 132kV Amarsager – Ludarva Ck-2 snapped. (Bus bar protection is not available at 132kV side). (I) On this fault, 132kV Amarsager-Jasahner Ck-2 tripped at the same time sensing fault in zone-4 (B-M fault) and 220/132 kV 100 M/A ICT-5 & and 220/132 kV 100 H/A ICT-5 & and 220/132 kV 10	1) 132 kV Ludarva Amarsagar (K5) Ck-2 2) 132 kV Amarsagar - Joisánter (K5) Ck-2 3) 2020 kV Amarsagar (K5) 4) 2020 132 kV 100 MVA (CT-3 at Amarsagar(K5) 4) 2020 132 kV 100 MVA (CT-3 at Amarsagar(K5) 6) 2020 V Amarsagar-Aad (K5) Ck 7) 220 kV Amarsagar-Aad (K5) Ck
7	GD-1	Rajasthan	07-Aug-2023 05:29	07-Aug-2023 06-20	00:51	550	0	1.162	0.000	47351	58675	I) As reported by SDC Rajasthan, at 05:39%s on 07th August, 2023, B phase jumper of 220 VV Amarsagar-Phadod (RS) CLt snapped and created bus fault at 2204V level of Amaragar(RS). I) On this fault, bus bar protection operated at 2204V level of Amarsagar(RS), 220 VV Bus-1 & 2 at Amarsagar(RS) was directly coupled through isolator and bus coupler CB was not present between the buses. Hence all the elements: connected to both Bus-1 & 2 tripped and both the buses became dead. II) Due to loss of symphone 1224 wind 324 were blocking courcing at 22(3):32343 Wasargar(RS). IV) As per CB, B M phase to earth fault I) <u>BP-915(A)</u> soberved in 2204 V Amarsagar(RS) and (IIS) CLT; fault sensed in zone-4 at Amaragar(RS) end. Line tripped after "350mec from Amargarit ed. V) As per SRADA, change in Rajasthan wind generation of approx. 550MW is observed. V) As per SRADA, thange in Rajasthan wind generation of approx. 550MW is observed. V) As per SRADA, thange in Rajasthan wind generation of approx. 550MW is observed. V) As per SRADA, brane to earth fault is observed with designed fault clearance time of 360 ms. Phase sequence at Amaragar(RS) and Jodhpur(RS) may be reviewed.	1220 VV Amsrager-Phabdid (RS) CL1 2120 VV Amsrager-Phabdid (RS) CL1 2120 VV Amsrager-Abal (RS) CL1 2120 VV Amsrager-Abal (RS) CL1 4120 VV Amsrager-Abal (RS) CL1 4120 VV Amsrager-Abal (RS) CL1 4120 VV Teijuw-Amsrager (RS) CL1 4120 VV Teijuw-Amsrager (RS) CL2 4120 VV Teijuw-Amsrager (RS) CL2 4120 VV Teijuw-Amsrager (RS) 4120 V

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	(GI 1or 2/ GD-1 to GD-5)					Generation Loss(MW)	Load Loss (MW)	% Generation Loss(MW)	% Load Loss (MW)	Antecedent Generation (MW)	Antecedent Load (MW)		
8	GD-1	Uttar Pradesh	08-Aug-2023 20:54	09-Aug-2023 04:30	07:36	580	0	1.022	0.000	56779	73852	1) 220W Dadri Gajk/TPC] has 4*130.19MW units (Gas turbine driven) and 2*154.51MW units (Steam turbine driven). During antecedent condition, GT-1, GT-3, GT-3, GT-4 and ST-2 tere running, ST-1 main breaker was out of order due to oil leakage in Y phase, hence ST-1 synchroination with transfer bus breaker activities were in progress. (ii) Ar sported that the state is a state of the state of t	1) 130.19 MW Dadri GKS - UNIT 1 21 361.39 MW Dadri GKS - UNIT 2 13 130.19 MW Dadri GKS - UNIT 3 4) 350.19 MW Dadri GKS - UNIT 6 5) 154.51 MW Dadri GKS - UNIT 6
9	GD-1	Punjab	09-Aug-2023 09:54	09-Aug-2023 10:58	01:04	77	0	0.125	0.000	61496	67911	J) During antecedent condition, 28.93 MW Unit-1 at Kotis[88] and 24.2 MW Unit-2 & 3 at Kotis[88] were generating at their full capacity. Ii) As reported by IBMM, at 05-54mr, bus bar protection operated due to snapping of V-phase conductor of bus coupler at Kotis[88]. This ket to tripping of both 132kV Bus 1 & 2 at Kotis[88] along with all the lines: and generating units connected at 132kV Kotis[88] end which resulted in Blackout of 132kV Kotis[88] 5/4. Iii A per 7M34 TarbangRills, In fast the observed in the system W As generating and concerned in the system Iii A per 7M34 TarbangRills, Infast the observed in the system Iii A per 7M34 TarbangRills, Infast the observed in the system Iii A per 7M34 TarbangRills, Infast the observed in the system Iii A per 7M34 TarbangRills, Infast the observed in the system Iii A per 7M34 TarbangRills, Infast the observed in the system Iii A per 7M34 TarbangRills, Infast the observed in the system Iii A per 7M34 TarbangRills, Infast the observed in the system Iii A per 7M34 TarbangRills, Infast the observed in the system Iii A per 7M34 TarbangRills, Infast the observed in the system Iii A per 7M34 TarbangRills, Infast the observed in the system Iii A per 7M34 TarbangRills, Infast the observed in the system Iii A per 7M34 TarbangRills, Infast the observed in the system Iii A per 7M34 TarbangRills, Infast the observed in the system Iii A per 7M34 TarbangRills, Infast the observed in the system Iii A per 7M34 TarbangRills, Infast the observed in the system III A per 7M34 TarbangRills, Infast the observed in the system Iii A per 7M34 TarbangRills, Infast the observed in the system III A per 7M34 TarbangRills, Infast the observed in the system III A per 7M34 TarbangRills, Infast the observed in the system III A per 7M34 TarbangRills, Infast the system III A per 7M34 TarbangRills, Infast the system III A per 7M34 TarbangRills, Infast the system III A per 7M34 TarbangRills, I	11 322 KV Konkellini Romer (PS) Ch-1 21 323 KV Konkellini Romer (PS) Ch-1 21 323 KV Konkellini Romer (PS) Ch-3 41 324 KV Konkellini Romer (PS) Ch-3 41 324 KV Konkellini Romer (PS) Ch-2 21 324 KV Konkellini Romer (PS) Ch-2 62 825 MV Unit-1 at Konkellini 17 424 AWW Unit-3 KKonkellini 18 24.2 AWW Unit-3 at Konkellini 18 24.2 AWW Unit-3 at Konkellini 19 42 AWW Unit-3 at Konkellini 19 42 AWW Unit-3 at Konkellini 10 42 AWW AWW AWW AWW AWW AWW AWW AWW AWW AW
10	GD-1	Uttar Pradesh & Uttarakhand	10-Aug-2023 03:50	10-Aug-2023 05-23	01:33	892	60	2.029	0.091	43955	65920	I) Powr of 82.314 WM Alakanda HP, 100*4MW Vshuppzyg HP and 33*1MW Single Bhawari HP excusts through 400 VX Alakanda GV(UPC) Mustifianagar (UP) et al. 400 VX Alakandargar(UP) Vshuppzyg)(IP) (EU) et al. (I) An ground, at 03.5114, 400 VX Alakanda GV(UPC) Mustifianagar (UP) (end) CL bipped from Mustifianagar(UP) (UP) ct and 400 eX Alakanda GV(UPC) (III) With the tropped (= 400 VX Alakanda GV(UPC) Mustifianagar (UP) (end) CL bipped from Mustifianagar (UP) (UP) ct and 400 eX Alakanda GV(UPC) Wshupzyg)(IP) (UP) CL and/ibit ob 400 VX Mustifianagar (UP) (end) CL bipped from Mustifianagar (UP) (VP) CL and 400 eX Alakanda GV(UPC) Wshupzyg)(IP) (UP) CL and/ibit ob 400 VX Mustifianagar(UP) (UP) (CL. The load of Fixing X-Substitution (Evocuting liquid) Bhawari HP prevation), which is connected to With the tropped (= 400 VX Mustifianagar(UP) (VP) CL, Lit Bug persister of Alakanda HP X Vshupzyg) (WM Huttifianagar(UP) (UP) CL. (I) (With the tropped (= 200 VX Mustifianagar(UP) (UP) CL, Lit Bug persister of Alakanda HP X Vshupzyg) (WM Huttifianagar(UP) (UP) CL. (I) (With the tropped (= 200 VX Mustifianagar(UP) (UP) CL, Lit Bug persister of Alakanda HP X Vshupzyg) (WH Huttifianagar(UP) (UP) CL. (I) (With the tropped (= 200 VX Mustifianagar(UP) (UP) CL, Lit Bug persister of Alakanda HP X Vshupzyg) (WH Huttifianagar(UP) (UP) CL. (I) (With the tropped (= 200 VX Mustifianagar(UP) (UP) CL, Lit Bug persister of Alakanda HP X Vshupzyg) (WH Huttifianagar(UP) Lit Lit Bug persister of Alakanda HP X Vshupzyg) (WH Huttifianagar(UP) (UP) CL. (I) (With the tropped (= 200 VX Mustifianagar(UP) (UP) (CL) CL, Lit Bug persister of Alakanda HP X Vshupzyg) (WH Huttifianagar(UP) (WH Litter is also (I) Does the same trom, 400 VA Alakanda OV(UPC) Shupgel(UL) (UP) (UP) (UP) (UP) (UP) (UP) (UP) (UP	1 dób (V Alakhanada (V(UVC) Alaxaffarnagar (UV) (UV) Cxt 3) dób (V V Vahnungeng (UV) Alaxaffarnagar (UV) (VT) Cxt 4) dób (V Vahnungeng (UV) (VV) (VV) (VV) (VV) (VV) (VV) 4) 10.0W V Vahnungeng (HS- UVIT 3) 5) 10.0W Vahnungeng (HS- UVIT 3) 10.10M VV Vahnungeng (HS- UVIT 3) 10.20W Vahnungeng (HS- UVIT 3) 10.22W Vahnungeng (HS- UVIT 3) 10.22 LSW Vahnungeng (HS- UVIT 3) 10.25 L
11	GI-1	Rajasthan	13-Aug-2023 09:35	13-Aug-2023 11:08	01:33	45	0	0.072	0.000	62125	67296	() () Total MW generation of ASEDL are pooled through 220/33 V 150 MVA ICT 1, 2 & 3 at ASEDL 1/8 FTGH2 (ASEDL) and total generation is evacuated through 220 KV ASEDL 1/8 FTGH2 (ASEDL) Fatergan2/BFQ (St 18.2. () A reported, at GASHD, 220/33 NV 150 MVA ICT 1 at ASEDL HB FTGH2 (ASEDL) trypped due to faite PRV signal. () A per cytotal, at GASHD, 2013 AV 100 MVA ICT 1 at ASEDL HB FTGH2 (ASEDL) trypped due to faite PRV signal. () A per cytotal, at GASHD, 2013 AV 100 MVA ICT 1 at ASEDL () to basered.	1) 220/33 KV 150 MVA ICT 1 at ASEJOL_HB FTGH2 (ASEJOL)
12	GD-1	Rajasthan	13-Aug-2023 09:55	13-Aug-2023 11:24	01:29	195	0	0.309	0.000	63195	68977	i) During entecedent condition, total MW generation of Arure Maple was approx. 200MW and it was evacuated through 220 KV BhadlaJPGJ-Azure Maple (APMPL) Ckt. ii) As reported, at 09:55hn; 220 KV BhadlaJPGJ-Azure Maple (APMPL) Ckt tripped due to sparking at the CT terminal box of the line CRP panel. iii) As per PMU at Azure Maple (P), no fault is observed in the system. ii) As per PMU, generation loss of approx. 395MW at Azure Maple is observed.	1) 220 KV Bhadia(PG)-Azure Maple (APMPL) Ckt
13	Gi-1	Jammu & Kashmir	14-Aug-2023 18:34	14-Aug-2023 19:51	01:17	120	0	0.212	0.000	56595	66402	I) During antecedent condition, total MW generation of Sabi(NH) was approx. 725MW (such of the six units was generating approx. 122 MW), III Ar reported, at IB2-Brn, transmit Y-H phase to earth flaul occurred on 220 VK Kihenpur(PG) Hall(NH) (PG) (LS-L. Live successfully and reclosed from Kihenpur(PG) end, but tripped from Sality (level dave to non-generation of A/R at Sality(IN) (level, A/R per D & Alter PM), the second of A/R at Sality(IN) (level, A/R per D & Alter PM), the second is a second of A/R at Sality(IN) (level, A/R per D & Alter PM), the second is a second of A/R at Sality(IN) (level, A/R per D & Alter PM), the second is a second of A/R at Sality(IN) (level, A/R per D & Alter PM), the second is a second of A/R at Sality(IN), the second	1) 220 KV Kishenpur/PG) Sala(Nil) (PG) Cto-1 2) 115 MW Salal H95 - UNIT 1
14	Gi-2	Himachal Pradesh	18-Aug-2023 10:59	18-Aug-2023 11:05	00:06	670	0	0.993	0.000	67496	77328	JD Juring antecedent condition, total MW loading of 400 KV Panchkula(PG) Gumma(PP) (PG) Ckt-1 & 2 were approx. 575MW each. ii) As reported, at 10:59hns, 400 KV Panchkula(PG)-Gumma(PP) (PG) Ckt-1 & 2 were approx. 575MW each. ii) As reported, at 10:59hns, 400 KV Panchkula(PG)-Gumma(PP) (PG) Ckt-1 & 2 were approx. 575MW each. iii) As reported, at 10:59hns, 400 KV Panchkula(PG)-Gumma(PP) (PG) Ckt-1 were approx. 575MW each. iii) Anter CSS operation (Frailed enaution of power. iii) Date to 55 speciation, 250 MW kindshaft HF3-UWI 1, 250 MW kindshaft HF4-UWI 1, 268,67 MW Rampur HEP - UWI 2 and 40MW Sawr Kuddu HF3-UWI 1 iii) Date to 55 speciation. 250 MW kindshaft HF3-UWI 1, 260 MW kindshaft HF4-UWI 1, 260 MW kindshaft HF4-UWI 1, 260 MW kindshaft HF3-UWI 1, 260 MW kindshaft HF4-UWI 1, 260 MW kindshaft HF4-UWI 1, 260 MW kindshaft HF3-UWI 1, 260 MW kindshaft HF4-UWI 1	1] 400 IV Panchiula(PG)-Gumma(IV) (PG) Cit-2 2) 250 MV Kathapa-Atari HS VMT 3 232 MW Kathawa Wangko HS- VMT 2 4) 68.07 MW Kanyau HS- VMT 3 5) 40MW Savea Rudsa HS- VMT 1

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	(GI 1or 2/ GD-1 to GD-5)	Alleria Ale	of Grid Event	THE AND DATE OF REACH ADDI	(HH:MM)	Generation Loss(MW)	Load Loss (MW)	% Generation Loss(MW)	% Load Loss (MW)	Antecedent Generation (MW)	Antecedent Load (MW)	an a construint of the construction of the con	LAURIU TIPPU
15	GD-1	Himachal Pradesh	18-Aug-2023 12:29	18-Aug-2023 14-07	01:38	364	0	0.528	0.000	68967	79716	I) During antecedent condition, all 6*66MW units were running and generating approx. 364 MW in total. Unit-1, 3 & 5, 220/66W 40MVA Transformer and 220W feeders to bainsout, Jalandhar dt 1 and Dawya dt 1 were connected at 220W flav-1 and Unit-2, 4 & 6 & 220W feeders to Jalandhar dt 2, lessore dt 1 and Dawya dt 1 were connected at 220W flav-1 and Unit-2, 4 & 6 & 220W feeders to Jalandhar dt 2, lessore dt 1 and Dawya dt 1 were connected at 220W flav-1 and Unit-2, 4 & 6 & 220W feeders to Jalandhar dt 2, lessore dt 1 and Dawya dt 1 were connected at 220W flav-2 and faut dt dawya by 1 and to the state of the sta	1) 220 KV Pong(BB)-Dassaya(PS) (BBMB) Ck-1 2) 220KV Bus 2 at Pong(BB) 3) 220KV Bus 2 at Pong(BB) 3) 220KV Pong(BB)-Dassaya(PS) (BBMB) Ck-2 3) 220 KV Pong(BB)-Dassaya(PS) (BBMB) Ck-2 3) 220 KV Basedrey Phong(BB) (PG) Ck 8) 220 KV Basedrey Phong(BB) (PG) Ck 8) 220 KV Basedrey F-NuRT 3 106 GM WPong HPS - UNIT 3 106 GM WPong HPS - UNIT 3 116 GM WPong HPS - UNIT 5 14 G6 MW Pong HPS - UNIT 6
16	GD-1	Uttar Pradesh	18-Aug-2023 16:33	18-Aug-2023 17:53	01:20	440	0	0.907	0.000	48512	64451	I) Power of 4*110MW Vishnuprayag HEP executes through 400 KV Alakinanda GVK (UPC). Vishnuprayag(UP) (UP) eXt and 400 KV Muziffarnagar(UP)-Vishnuprayag(UP) (UP) eXt. During intercedent condition, 400 KV Muziffarnagar(UP)-Vishnuprayag(UP) (UP) eXt and emergency shutdown. (J) A reported, at 1.531, %30 KV Alaxinado KV (UPC). Vishnuprayag(UP) (UP) eXt and emergency shutdown. (J) A reported, at 1.531, %30 KV Alaxinado KV (UPC). Vishnuprayag(UP) (UP) eXt and the fault context was 1.151X and 1.1534, x1 and 1.1541, w1 and phase respectively from Vishnuprayag(UP) end. A spec TD in Alaxinado UP (UP) extra was sended in one 1.4 Alaxinado UP) extra durit fault distance of 56.6 km from Vishnuprayag(UP) and from Vishnuprayag(UP) end. A spec TD in Alaxinado VI, Vishnuprayag(UP) (UP) eXt. at al. Balaxinado UP) extra durit fault context was 1.151X and 1.1534, x1 and 9.1548, x1 are used by how respectively from Vishnuprayag(UP) end. A spec TD in Alaxinado UV, UPC-Vishnuprayag(UP) (UV) eXt, at the generation of Vishnuprayag, UP, i.e., 110 MV Vishnuprayag, UPS- UNIT 1, 2, 3 and 4 tripped due to unvaliability of power executation gains. (V) A per FXRU at Muziffranagar(UP), Y-8 balaxe to that fault dearance time of 80 ms is observed. (V) A per FXRU at Muziffranagar(UP), Y-8 balaxe to that fault dearance time of 80 ms is also observed. (V) A per FXRU at Muziffranagar(UP), Y-8 balaxe to that fault dearance time of 80 ms is also observed. (V) A per FXRU at Muziffranagar(UP), Y-8 balaxe to that all tearance time of 80 ms is also observed. Vishnuprayag HP.	1) 400 KV Alakhnanda GVK(UPC)-Vishnuprayag(UP) (UP) Ckt 2) 110 MV Vishnuparyag HFS – UNT 1 3) 110 MV Vishnuparyag HFS – UNT 2 4) 110 MV Vishnuparyag HFS – UNT 3 5) 110 MV Vishnuparyag HFS – UNT 4
17	GI-1	Jammu & Kashmir	19-Aug-2023 11:25	19-Aug-2023 12:21	00:56	0	285	0.000	0.383	65971	74490	 As reported, at 11:25hrs, 220 KV Barr/(K)-KShenpur/(PG) CM-2 tripped on R-N phase to earth fault with fault distance of 12 km from Barr/(K) end. Due to tripping of 220 KV Barr/(K)-KShenpur/(PG) CM-2 tripped on R-N phase to earth fault with fault distance of 12 km from Barr/(K) end. Due to tripping of 220 KV Barr/(K)-KShenpur/(PG) CM-2 tripped on R-N phase to earth fault with fault distance of 12 km from Barr/(K) end. May per M34 Charry(K) CM-2 opened due to over-hading, both one emain charged from KShenpur/(PG) end. May per M34 Charry(K) Shenpur/(S) R-1 and the end of 220 KV Barr/(K)-KShenpur/(PG) end. May per M34 Charry(K) R-1 Ange end to an Associate and the CB at 220 KM Barr/(K) end of 220 KV Barr/(K)-KShenpur/(K) end (K) e	1) 220 VV Barn(JR)-Kishenpur(PG) Ch-2 2) 220 VV Barn(JR)-Kishenpur(PG) Ch-1
18	GI-2	Uttar Pradesh	19-Aug-2023 09-26	19-Aug-2023 09-53	00:27	0	215	0.000	0.304	61240	70678	I) During antecedent condition, only 400/220 kV 315 MVA KT 1 at Jaunpur (UP) was in service and MVA loading of ICT 1 was 239 MVA (MW: 317MW and MVA:: 88MVAr). It was feeding the 2200V and 132kV level of Jaunpur (UP) is proved. as does not see the 2300V and 122kV level of Jaunpur (UP) is proved. as does not prove the current protection operated; currents in R, Y and B -phase are 0.462kA, if Jaunpur (UP) tripped due to over-loading; over-current protection operated; currents in R, Y and B -phase are 0.462kA, if June to tripping of du0/220 kV 315 MVA KT 1 at Jaunpur (UP) tripped due to over-loading; over-current protection operated; currents in R, Y and B -phase are 0.462kA, if June to tripping of du0/220 kV 315 MVA KT 1 at Jaunpur (UP), 220kV Bus 1 & 2 of Jaunpur (UP) became dead due to loss of supply to 220kV and 132kV level of Jaunpur (UP), if A per FMU at Vananai(PG), no fault to to beneed in the system. v) As per SCADA, change in demand of approx. 215 MW in UP control area is observed.	1) 400/220 kV 315 MVA ICT 1 at Jaunpur (UP)
19	GD-1	Himachal Pradesh	19 Aug 2023 08:49	19-Aug 2023 09:16	00:27	300	150	0.503	0.217	59590	69018	I) As reported, at 08:49 hrs, 220 KV Wangtoo-Bhabha-Kunihar dxt (F-connection) got tripped on R-N phase to ground fault, (Exact reason and location of fault yet to be shared) ii) At mean time, 220 KV Jonk-Kunhar(HP) (Ctt, 220 KV Mabba-Jeor(HP) (Ctt, 220 KV Mabba-Jeor(HP) (Ctt, 202 KV Mbaba-Jeor(HP) (Ctt, 2	11 220 VV Wangtoo -Bihabha-Kunhar(HP) (skt (T-connection) 21 220 VV Keer-Kunhar(HP) Ckt 21 220 VV Keer-Kunhar(HP) Ckt 21 220 VV Keed-Project(HP) Ckt 22 22 20 VV Keed-ChanNet(HP) Ckt 22 20 VV Keed-ChanNet(HP) Ckt 23 22 VV Kunhar-ShmidpH) Ckt 24 28 132 VV Kunhar-ShmidpH) Ckt 24 29 132 VV Kunhar-ShmidpH) Ckt 24 20 132 VV Kunhar-ShmidpH) Ckt 24 21 34 04VV Unit-3 at ShmidpH) 21 404VV Unit-3 at ShmidpH)
20	GI-1	Jammu & Kashmir	20-Aug-2023 19:52	20-Aug-2023 21:16	01:24	O	375	0.000	0.519	55019	72313	 As reported, at 19-52hrs, 220 KV Barr J(K)-Kishenpur (PG) Ck-1 tripped from Barr J(K) end only due to damage of R-phase CB clamp at Barr J(K) end. Due to tripping of 220 KV Barr J(K)-Kishenpur (PG) Ck-1 tripped from Barr J(K) end only due to damage of R-phase CB clamp at Barr J(K) end. Due to tripping of 220 KV Barr J(K)-Kishenpur (PG) Ck-1, loading on 220 KV Barr J(K)-Kishenpur (PG) Ck-2 increased and line CB at 220 KV Barr J(K) end of 220 KV Barr J(K)-Kishenpur (PG) Ck-2 increased and line CB at 220 KV Barr J(K) end of 220 KV Barr J(K)-Kishenpur (PG) Ck-2 increased and line CB at 220 KV Barr J(K) end of 220 KV Barr J(K)-Kishenpur (PG) Ck-2 increased and line CB at 220 KV Barr J(K) end of 220 KV Barr J(K)-Kishenpur (PG) Ck-2 increased and line CB at 220 KV Barr J(K) end of 220 KV Barr J(K)-Kishenpur (PG) Ck-2 increased and line CB at 220 KV Barr J(K) end of 220 KV Barr J(K)-Kishenpur (PG) Ck-2 increased and line CB at 220 KV Barr J(K) end of 220 KV Barr J(K)-Kishenpur (PG) Ck-2 increased and line CB at 220 KV Barr J(K) end of 220 KV Barr J(K)-Kishenpur (PG) Ck-2 increased and line CB at 220 KV Barr J(K) end of 220 KV Barr J(K)-Kishenpur (PG) Ck-2 increased and line CB at 220 KV Barr J(K) end of 220 KV Barr J(K)-Kishenpur (PG) Ck-2 increased and line CB at 220 KV Barr J(K) end of 220 KV Barr J(K)-Kishenpur (PG) Ck-2 increased and line CB at 220 KV Barr J(K) end of 220 KV Barr J(K)-Kishenpur (PG) (K) end of 220 KV Barr J(K)-Kishenpur (PG) (K) end of 220 KV Barr J(K)-Kishenpur (PG) (K) end of 220 KV Barr J(K)-Kishenpur (FG) (K) end of 220 KV Barr J(K)-K	1) 220 VV Barn(JR)-Kishenpur(PG) Ck+ 2 2) 220 VV Barn(JR)-Kishenpur(PG) Ck+ 1
21	GI-2	Rajasthan	20-Aug-2023 03:18	20-Aug-2023 04:11	00:53	0	465	0.000	0.644	52928	72256	I) During antecedent condition, MV loading on 400/220V 315MVA ICT-18 2 at Bikane(FIS) were 200MW and 205MW respectively. I) A reported, at 03-18hrs, 400/220W 315MVA ICT-2 at Bikane(FIS) proped due to heavy sparking of B phase isolator at 220W video f CT-2. As per DR, differential protection operated (Differential current in R, Y and B phase of approx. 26A, 26A and 53.14 respectively. III With ribings of a 200/220W 315MVA ICT-2 at Bikane(FIS) 400/220W 315MVA ICT-1 at Bikane(FIS) also tripped due to over-loading. As per DR, over-current earth-fault protection operated. III With ribings of 200/220W 315MVA ICT-2 at Bikane(FIS) also tripped due to serve loading. As per DR, over-current earth-fault protection operated. IV) As per SCADAS (22) 2122W 100MA ICT 2 at Bikane(FIS) also tripped during the same time. (East reason yet to be shared) V) As per SCADA, change in demand of approx. 455MW is observed in Rajasthan control area.	1) 400/220kV 315MVA KT-1 at Bikaner(R5) 2) 400/220kV 315MVA KT-2 at Bikaner(R5)
22	GI-1	Punjab	21-Aug-2023 22:53	22-Aug-2023 17:35	18:42	0	0	0.000	0.000	58971	72894	I) During antecedent condition, MV loading of 220 W Baghapuran(PS)-Mogan(PS) [Ct:1 & 2 were approx. 72MW and 62MW respectively. I) A reported, at 22:Sihn; 220 W Baghapuran(PS)-Mogan(PS) (Ct:1 tripped due to R-phase CT damage at Moga(PS) end, fusit observed in zone-1 from Moga(PS) end. Due to tripping of 220 W Baghapuran(PS)-Mogan(PS) (Ct:1, Load was shifted to 220 W Baghapuran(PS)-Mogan(PS) (Ct:2 and no load loss occurred. III / A per 9XU Mathapuran(PS)-Mogan(PS) (Ct:1, Load was shifted to 220 W Baghapuran(PS)-Mogan(PS) (Ct:2 and no load loss occurred. III / A per 9XU Mathapuran(PS)-Mogan(PS) (Ct:1, Load was shifted to 220 W Baghapuran(PS)-Mogan(PS) (Ct:2 and no load loss occurred. III / A per 9XU Mathapuran(PS). Refs have been that and think Lind Learnee time of 12mose to observed. IV A per 52MAA, change in demand of approx. 670MW is observed in Punjab control area. But as reported by SLDC Punjab no other major tripping occurred during the same time and no load loss occurred during the event.	1) 220 KV Baghapurana(PS)-Mogan(PS) Cit-1

									De	etails of Grid E	vents durin	g the Month of August 2023 in Northern Region	👔 जिड-इंडिया GRID-INDIA
SI No.	Category of Grid Event	Affected Area	Time and Date of occurrence	Time and Date of Restoration	Duration		a / loss of load during rid Event	% Loss of generation Antecedent Genera Regional Grid durin	tion/Load in the	Antecedent Generat Regional (ion/Load in the Grid®	Brief dataBs of the event (pre fault and post fault system conditions)	Elements Tripped
51 140.	(GI 1or 2/ GD-1 to GD-5)	Alleten Area	of Grid Event	THRE and Date of Restoration	(HH:MM)	Generation Loss(MW)	Load Loss (MW)	% Generation Loss(MW)	% Load Loss (MW)	Antecedent Generation (MW)	Antecedent Load (MW)	arret sociales in une ceents (per anni ani pion anni system consumnos)	zacanens rrippen
23	GD-1	Rajasthan	21.4ug 3023 12.11	21-Aug 2023 12:24	00:13	O	1750	0.000	2.276	69275	76900	During subtextedent condition, 220 W F-6 But, between 400 W & 220 FV GSS Interaptura were under shutchem due to which the latel of 220 W GS Chamu, Nitisna, NH and Wi were shifted to parallely connected 220 FV A & E C E But, between 400 W & 220 V GSS Interaptura, 2. The shore load management was managed through 400/230 W S0 W W C B 2 connected at 20 V A & E C E But, between 400 W & 220 EV GSS Interaptura, and B W W most C S Mean as straining power around 130/W F for B 10 mbt there hand, the 220 V GSS Niwana is connected in ring from 400 W GSS Interaptura, and 400 W GSS, Babil. 220 K GSS Niwana was drawing bower around 130/W F for B A for power was drawing from 400 W GSS Interaptura, and 400 V GSS, Babil. 230 K K C F L B 24 400 V GSS Babal were 20 M W. B A for points, the details of neutrin as (blower) B A for points, the details of neutrin as (blower) B A for points, the details of neutrin as (blower) B A for points, the details of neutrin as (blower) B A for points, the details of neutrin as (blower) B A for points, the details of neutrin as (blower) B A for points, the details of neutrin as (blower) B A for points, the details of neutrin as (blower) B A for points, the details of neutrin as (blower) B A for points, the details of neutrin as (blower) B A for points, the details of neutrin as (blower) B A for points, the details of neutrin as (blower) and (blower) C B A for points. B D be to tripping of 220 W V UBAS-Sampler in the test loading of a round 120 WW was put on 400/220 W 250 M/A C T 1 & 2 at teresponse00(BS), resulting tripping of both the IC S no neutrina. C Due to the failure d both CT 1 at 400 W CSS, Neeraptura, 220 V CSS Niwana started to draw around 130 MW power from 400 V CSS Babal resulting in overloading of 400/220 V 230/W VBMWA CT 1 & a 100 W CSS, Neeraptura, 220 V CSS Niwana started to draw around 130 MW power from 400 W CSS Babal resulting in overloading of 400/220 V 230/W VBMWA CT 1 & a 100 W V CSS, Neeraptura, 220 V CSS Niwana started to draw around 130 MW power from 400 V CSS Babal re	1 220 (V V028-SegmentR) (24 1 220 (V V028-SegmentR) (24 2400/230 V 250 M/A) (CT 1 a HerrgunA00(R)) 3 400/220 V 250 M/A) (CT 2 a Heargun400(RS) 5 400/220 V 355 M/A) (CT 1 a Heargun220(RS) 7 220/132V 100M/A) (CT 1 a Heargun220(RS) 7 220/132V 100M/A) (CT 1 a Heargun220(RS) 7 220/132V 100M/A) (CT 1 a Heargun220(RS) 10/221/32V 100M/A) (CT 1 a Heargun2(RS) 10/221/32V 100M/A) (CT 1 a Heargun2(RS) 10/221/32V 100M/A) (CT 1 a Heargun2(RS) 10/221/32V 100M/A) (CT 2 a Heargun4(RS) 10/221/32V 100M/A) (CT 3 a Heargun4(RS) 10/221/32V 100M/A) (CT 4 Heargu
24	GI-1	Himachal Pradesh	21-Aug-2023 11:27	21-Aug-2023 11:34	00:07	60	250	0.083	0.318	72329	78601	I) As reported, at 11:27 hrs, bus-bar protection operated at 220 kV Bus 2 at Kunihar(HP), (East reason yet to be shared) (ii) Duc to bin, all the elements connected to 220 VV Bus 2 at Kunihar(HP) got tripped and Bus 2 became dead. (iii) At the ament time, as reported by SLDL (P), 122 kV Kunihar-BatroBwalk C (11) 122 kV Kunihar-Sharla(HP) C (11 at 2, 132 kV Kunihar-Sharla(HP) C (21 at 2, 132 kV Kunihar-Sharla(HP)) (21 at 2 abor tripped (Laterstonry et to be abared) (21 abor tripped (Later	1) 220 VV Kumhar-Bhaba (HP) Oct 2) 220 VV Baddi-Kumhar (HP) Oct 2 3) 132 VV Kumhar-Barotlowia Oct 11 4) 132 VV Kumhar-Solom(HP) Oct 1 5) 132 VV Kumhar-Solom(HP) Oct 1 0) 132 VV Kumhar-Solom(HP) Oct
25	GD-1	Uttar Pradesh	22.4og.2023 12.39	22 Aug 2023 13:05	00:26	550	55	0.781	0.071	70464	77308	I) During antecedent condition, 300MW Rosa T55(UP) Unit-1 and 2 were generating 274MW and 278MW respectively. Rosa T55 is connected with 220W Shahjhanpur thorugh 220W Rosa 51ahjhanpur (1974). The second of the second shahjhanpur (1974) and 278MW respectively. Rosa T55 is connected with 220W Shahjhanpur (1974) and 278MW respectively. Rosa T55 is connected with 220W Shahjhanpur (1974) and 278MW respectively. Rosa T55 is connected with 220W Shahjhanpur (1974) and 278MW respectively. Rosa T55 is connected with 220W Shahjhanpur (1974) and 378MW respectively. Rosa T55 is connected with 220W Shahjhanpur (1974) and 378MW respectively. Rosa T55 is connected with 220W Shahjhanpur (1974) and 378MW respectively. Rosa T55 is connected with 220W Shahjhanpur (1974) and 378MW respectively. Rosa T55 is connected with 220W Shahjhanpur (1974) and 378MW respectively. Rosa T55 is connected with 220W Shahjhanpur (1974) and 378MW respectively. Rosa T55 is connected with 220W Shahjhanpur (1974) and 378MW respectively. Rosa T55 is connected with 220W Shahjhanpur (1974) the site this ringes 220W Rosa T55 is connected with 220W Shahjhanpur (1974) this tab and the same time. Rosa T55 is connected with 220W Shahjhanpur (1974) this tab and the same time. Rosa T55 is connected with 220W Rosa T55 is connected with 220	1) 22GeV Shahjahangur (UP)-Shahjahangur (KG) Ckt 2) 22GeV Shahjahangur (UP)-Sharelliv (UP) Ckt 3) 22GeV Shahjahangur (UP)-Sharelliv (UP) Ckt 3) 22GeV Shahjahangur (UP)-Adge (UP) Ckt 2) 22GeV Shahjahangur (UP)-Adge (UP) Ckt 3) 22GeV Shahjahangur (UP)-Hod (UP) Ckt 8) 22GeV Shahjahangur (UP)-Hod (UP) Ckt 8) 22GeV Shahjahangur (UP)-Hod (UP) Ckt 3) 22GeV Shahjahangur (UP)-Hod (UP)- 3) 22GeV Shahjahangur (UP)-Hod (UP)- 3) 22GeV Shahjahangur (UP)- 4) 22GeV Shahjahangur (UP)-
26	GD-1	Punjab	22-Aug-2023 21:51	23-Aug-2023 00.20	02:29	0	590	0.000	0.835	58294	70663	20/132/06KV Verpal[P5] has double main bus scheme at 220KV level. 19 Ar reported, at 21:51 hrs, N+ ghate to each flaul occurred in 220KV Verpal[P5]-Rahlana[P5] Ckt; fault sensed in zone-1 at Rahlana[P5] end. Line tripped only from Rahlana[P5] 19 Ar reported, at 21:51 hrs, N+ ghate to each flaul occurred in 220KV Verpal[P5]-Rahlana[P5] Ckt; fault sensed in zone-1 at Rahlana[P5] tripped from remote end on zone-3 distance protection operation. 10 Ar to the tripping. 220/132/06KV Verpal[P5]-Rahlana[P5] Ckt fault do genete, all other lines connected at 220KV Verpal[P5] tripped from remote end on zone-3 distance protection operation. 10 De to this tripping. 220/132/06KV Verpal[P5]-Archita[P6] ckt fazit tripped on R-N phase to earth fault with fault current of ~3.21kA from Annitsar[PG] end with fault clearance time of ~330ms; fault was sensed in zone-3. vi) As per 0K1 At AnnicaP(P) end 2014 Cleared in zone-3. vi) As per 0K1 At AnnicaP(P) end 2014 Cleared Storved in the system with delayed funct clearance time of 880ms. vi) As per X04 At AnnicaP(P) end X04 Verpal[P5] - shortear(PG] extension do at X04 Verpal[P5]	1) 220 VV Verpal(PS) – Annritsar(PG) ckt-1 2) 220 VV Verpal(PS) – Annritsar(PG) ckt-2 3) 226V Verpal(PS) Rashinal(PS) Ckt 2) 226V Verpal(PS) – Rashinal(PS) Ckt 5) 226V Verpal(PS)–Buttl(PS) Ckt
27	GI-1	Jammu & Kashmir	23 Aug 2023 14:55	23-Aug 2023 17:14	02:19	o	245	0.000	0.366	62178	66986	I) 220/132XV Barn(J&K) have feeding from 220KV Kibhenpur-Barn ckt-182 only. There are 3*150MVA 220/132XV KTs at Barn S/s and 132XV feeders to Kala Kotia, Jauria, Katra & Barn Canal. II) During antecedent condition, 220KV Kibhenpur-Barn ckt-182 were carrying 167MW & 1270MW respectively. III) Are proted, at JASSN, 220 KV Barn(JK)-Kibhenpur/BG) Ckt 2 tripped on B H phase carr hault with flat distance of ~6.9km from Kibhenpur/BG) end. At the same time, 132KV feeder to Kala Kotia, Jauria Menne Singer Charles and Singer Charles	1) 220 KV Barn(JK)-Köhenpur(PG) Ckt-2
28	GI-1	Delhi	23 Aug-2023 17:07	23-Aug-2023 17:28	00:21	0	206	0.000	0.330	55558	52466	i) During entecedent condition, 220W Geets Colomy-Petpargani (DTL) Cls 1 was connected to 220W Bus: 1 at Geets Colomy(DTL) and 220W Geets Colomy-Petpargani (DTL) Cls 2, 220W Geets Colomy, 200W Geets C	1] 220kV Geeta Cobiny - South wazirabad (07L) cki-2
29	GI-1	Jammu & Kashmir	23 Aug-2023 15:17	23-Aug 2023 17:33	02:16	Ū	60	0.000	0.091	61147	66251	() 220/132X V Zankote S/s have two bus at 220KV side i.e., main bus & reserve bus. (i) 220/132X V Zankote S/s have two bus at 220KV side i.e., main bus split mode viz. 220KV Amargath/NOGRID)–Zankote[JID/C [carrying 95MW each) was feeding Zankote bad. ZaXV Wagoora Zankote[JIC 21] Carrying 19MM vas contended at other bus and feeding Austeng. 220KV Wagoora Zankote[JID/C Lit.: y was not in service. III) Are rop Rule was served in zore 1.: SaA from Wagoora(RC) end. (v) A per OR, Rule was served in zore 1.: SIAA from Wagoora(RC) end. (v) A per PAW at Amargath/RC). B-A phase to earth fault is observed with fault clearing time of 120ms. (v) A per FXUD at Amargath/RC). B-A phase to earth fault is observed with fault clearing time of 120ms. (v) A per FXUDA, change in demand of approx. 120MW is observed with Fault clearing time of 120ms.	1) 220 KV Wagsons(PG)-Zanikote(JK) (P00 JK) Ckt-2

									De	etails of Grid E	vents durin	z the Month of August 2023 in Northern Region	🚺 ग्रिड-इंडिया GRID-INDIA
SI No.	Category of Grid Event	Affected Area	Time and Date of occurrence	Time and Date of Restoration	Duration	Loss of generation the Ga	a / loss of load during rid Event	% Loss of generation Antecedent Genera Regional Grid durin	ation/Load in the	Antecedent Generat Regional (ion/Load in the Grid*	Brief details of the event (pre fault and part fault system conditions)	Elements Tripped
	(GI 1or 2/ GD-1 to GD-5)	Anten Arta	of Grid Event	THE ARD DATE OF REACH AREA	(HH:MM)	Generation Loss(MW)	Load Loss (MW)	% Generation Loss(MW)	% Load Loss (MW)	Antecedent Generation (MW)	Antecedent Load (MW)	and a second of the Control per some of per some system (Extension a report
30	GI-1	Jammu & Kashmir	25 Aug 2023 13:19	25-Aug-2023 15:02	01:43	o	260	0.000	0.373	63215	69747	1) 220/132W Zankote 5/s have two bus at 220W side i.e., main bus & reserve bus. ii) During antecedent condition, 220W Zankote was operating in bus split mode viz. 220W Amargarh(INDIGRD) –Zankote/JK D/C was feeding Zankote load. 220 KV Amargarh(Indigrig) Zankote/JK D/D XI (Zkt - 1.8.2 were 1260W etc.) ii) A reported, 220W Amargarh(INDIGRD) –Zankote/JK (zkt - 11 roped on 8-4 phase to earth fault with distance of 11.94km from Amargarh end, fault sensed in zone-1. iv) At the same time, 220W Amargarh(INDIGRD) –Zankote/JK) (zkt - 24 also tripped ou to verloading occurred. Hence, load of Zankote affected due to tripping. iv) A per KNut Amargarh (NDIGRD) –Zankote/JK) (zkt - 24 also tripped due to overloading occurred. Hence, load of Zankote affected due to tripping. vi) A per KNut Amargarh (NDIGRD) –Zankote/JK) (zkt - 24 also tripped due to overloading occurred. Hence, load of Zankote affected due to tripping. vi) A per KNut Amargarh (NDIGRD) –Zankote/JK) (zkt - 24 also tripped due to overloading occurred. Hence, load of Zankote affected due to tripping. vi) A per KNut Amargarh (NDIGRD) –Zankote/JK) (zkt - 24 also tripped due to overloading occurred. Hence, load of Zankote affected due to tripping. vi) As per KNut Amargarh (NDIGRD) –Zankote/JK) (zkt - 24 also tripped due to overloading occurred. Hence, load of Zankote affected due to tripping.	1) 220 EV Amargarh(Indigrid)-Ziankote(JK) (POD JK) CAL-1 2) 220 EV Amargarh(Indigrid)-Ziankote(JK) (POD JK) CAL-2
31	GD-1	Rajasthan	28 Aug-2023 05:17	28-Aug-2023 10:23	05:06	1610	0	2.948	0.000	54613	63723	I) During anticedent condition, Righthan state wird generation was approx. 288M/W and 200V Abid Abid et was carrying approx. 288M/W and generation. II) Are protects, at 05:27m, 220W AbiAMad act tripped V sphase tumper from do holen in yed at 220W GSS Mada. III) Are profile at observations and the state of the state of the state of the state of the state time, wind generation at other connected wind plants. (B), UR), the tripping of 220W AbiAMada etx, compilete wind generation at Mada lost (220W Mada SS) bulkcieu). At the same time, wind generation at other connected wind plants. (B), UR), the tripping of 220W AbiAMada etx, compilete wind generation at Mada lost (220W Mada SS) bulkcieu). At the same time, wind generation at other connected wind plants. (B), UR), the tripping of 220W AbiAMada etx, compilete wing generation at Mada lost (220W Mada SS) bulkcieu). At the same time, wind generation at other connected wind plants. (B), UR), Hyn, T(W), Muham et.) Jak of organized the zero. No line tripping excerct 200W Abids Abid act trippide the recreted in SD attrip the event. (J Ap per SXADA, total drop in Rijasthan wind generation was approx. 1510MW. Almost "1200MW RE generation recovered within 5min.	1) 220 I.V. Akal-Madu (RS) Cet
32	GD-1	Jammu & Kashmir	28 Aug 2023 06:09	28 Aug 2023 09 20	03:11	450	100	0.829	0.160	54261	62391	1 Bagihar HE comprises of Bagihar Stage-1 (ISOMV Unit-1,2.8.1) and Bagihar Stage-2 (ISOMV Unit-4,5.8.6). Power of Bagihar stage-1 HEP evoluties through 400XV Bagihar-Wangoo Kt 8.400V Bagihar-Kishengur ct-1.3. 1 Bagihar HEP comprises of Bagihar stage-1 HEP evoluties through 400XV Bagihar-Wangoo Kt 8.400V Bagihar-Kishengur ct-1.3. 1 Bagihar Stage-1 HEP evoluties through 400XV Bagihar-Wangoo Kt 8.400V Bagihar-Kishengur ct-1.3. 1 Bagihar Stage-1 HEP evoluties through 400XV Bagihar-Wangoo Kt 8.400V Bagihar-Kishengur ct-1.3. 1 Bagihar Stage-1 HEP evoluties through 400XV Bagihar Stage-2 HEP evoluties through 400XV Bagihar-Kishengur ct-1.3. 1 Bagihar Stage-1 HEP evoluties through 400XV Bagihar Stage-2 HEP evoluties through 400XV Bagihar HEP. 1 With the tripping of 400XV Bagihar HEP. 1 With the tripping of 400XV Bagihar HEP. 1 A Representing the tripping of Bagihar Stage-2 HEP evoluties through 400XV Bagihar HEP. 1 A Representing the tripping of Bagihar Stage-2 HEP evoluties through 1.50MV HIP evoluties through 400XV Bagihar HEP.	1) 400 FV Bagithar(IK)-Kishenpur(PG) (POD JK) CKi-1 2) 400 FV Bagithar(IK)-Kishenpur(PG) (POD JK) CKi-2
33	GI-2	Rajasthan	28-Aug-2023 11:52	01-Sep-2023 18:38	06:46	2095	0	3.294	0.000	63608	66398	(i) In sported, at 1152nc of 28h August, 3231, 455V BiochighS, BlaverighC, 631 Stigged on B / place to ghow field with build distance of 152 Alm from Bilaner(RS). As per information received from SEC BigBUBs, constants: respect in large and 42NV low of the BidBRS [Since Location of conductors respectively and bin about 10 app of the 18 BidBRS (BidBRS) and 42NV BibBRS [Since Location of conductors respectively and the bibBRS big per DNR is BidBRS (BidBRS) and 250 app of the BiBRS (BidBRS) and 12 BidBRS). And 12 BidBRS (BidBRS) and 12 BidBRS (BidBRS) and 12 BidBRS) and 12 BidBRS (BidBRS) and 12 BidBRS) and 12 BidBRS (BidBRS) and 12 BidBRS). (BidBRS) and 12 BidBRS) and 12 BidBRS (BidBRS) and 12 BidBRS) and 12 BidBRS) and 12 BidBRS).	1) 400kV Bhadiu(RS)-Bikaner(RS) Ckt-1
34	GI-2	Rajasthan	28 Aug-2023 12:05	01-5ep-2023 18-38	06:33	1880	ō	3.000	0.000	62663	66556	() As reported, at 12:05hrs, 400KV Bhadlu(SS)-Bikaner(IS) Cht-2 tripped on Y-B phase to phase fault with fault distance of 148.95m from Bikaner(IS). As per information received from SLDC Rajasthan, conductor mapped in line new 400KV level of Bhadlu(IS), [Eact location of conductor mapping need to be shared) (i) A per DK at Bikaner(IS) et al. 400KV Bhadlu(SS), Bikaner(IS) Cht-2, full was sensed in come-1; fault at unrent was 3.472Ak and 4.467Ak in Y and B phase respectively from Bikaner(IS) et al. 400KV Bhadlu(SS), Bikaner(IS) Cht-2, full was sensed in come-1; fault automation and 4.467Ak in Y and B phase respectively from Bikaner(IS) and the shared (S) and B and the charing there and and the charing there and and the charing there and angle in K to tai ologing endsto in a sport of the same time. (Eact reason yet to be shared) in A per GSADL Adapter in K to tai ologing endsto in a sport 21.20hr. (v) A per FAMU at Bhadla(IS), Fightae to phase fault is observed with fault clearance time of 80 ms at 12.05hrs.	1) 400kV BhadluJRS) Bikaner(RS) Ckt-2
35	GD-1	Uttarakhand	29 Aug 2023 10-44	29-Aug-2023 11:36	00:52	o	181	0.000	0.258	65934	70185	(1) 220X Roorkee(PTCUL) is connected with 400/220X Roorkee(KG) through 220 KV Roorkee(PG) Roorkee(UK) (PTCUL) Cit. II) During mitecedent condition, 220 KV Roorkee(KG) PTCUL) Cit was carrying "181MW. This was the only source available for 220KV Roorkee(PTCUL). II) A reported, III Orabin, 220 KV Roorkee(KG) Roorkee(UK) (PTCUL) Cit type do a NF full for Roorkee(KG) end only leading to complete blackout at 220KV Roorkee(PTCUL), Distance protection relay at Roorkee(KG) end sensed fault in 23 with distance approx. 33 Jam (213 SM), dual turners were IIII-320KV Roorkee(PTCUL), Distance protection relay at Roorkee(KG) end sensed fault in 23 with distance approx. 33 Jam (213 SM), dual currents were IIII-320KV Roorkee(PTCUL), Distance protection relay at Roorkee(PTCUL) cit stopp on the atomic roor relation at the at Roorkee(PTCUL) on the roor roor roor roor roor roor roor ro	1] 220 KV Roorkee[PG)-Roorkee[UK] (PTCUL] Ckt-1
36	Gl-1	Delhi	30 Aug 2023 12:50	30 Aug 2023 12:53	00:03	0	150	0.000	0.218	68910	73548	1) 228V Pappankain(Dwarka2) have feeding from 400/220V Barmaul(OTL) and 400/220KV Dwarka[OTL]. (1) During intercedent condition, 228V Pappankain(Dwarka2) was running in pigtit mode. 220 V Barmauli-Pappankain(Dwarka2) dst.1 was under emergency shuddown, 220 W reading through 200669 UDMA CT-1 & BIOMA KT-3. III) Are roperted, 412-30 hrs, 220 V Barmauli-Pappankalan(Dwarka2) etc.2 Tripped on VB phase to phase fault. Line tripped on differential protection operation. IV dprovs. 500W Vall Barmauli-Pappankalan(Dwarka2) etc.2 Tripped on VB phase to phase fault. Line tripped on differential protection operation. IV dprovs. 500W Vall Barmauli-Pappankalan(Dwarka2) etc.2 Tripped on VB phase to phase fault. Line tripped on differential protection operation. IV dprovs. 500W Vall Barmauli/Pappankalan(Dwarka2) etc.2 Tripped on VB phase to phase fault. Line tripped on differential protection operation. IV dprovs. 500W Vall Barmauli/Pappankalan(Dwarka2) etc.2 Tripped on VB phase to phase fault. Line tripped on differential protection operation. IV dprovs. 500W Vall Barmauli/Pappankalan(Dwarka2) etc.2 Tripped on VB phase to phase fault. Line tripped on VB phase to phase fault. Une tripped on VB phase to phase fault is observed with fault clearing time of 120 ms.	1) 220 kV Bamnauli-Pappanlalan(Dwarks2) ck:-2
37	GD-1	Delhi	30 Aug 3023 11:52	30 Aug 2023 11:55	00:03	0	80	0.000	0.108	69396	74057	1,220kV Maijid Moh(DTL) have feeding from 400/220kV Tuglakabad and 400/220kV Maharambagh and 220kV Okhia(DTL) have feeding from 400/220kV Tuglakabad and 220kV Barburner inscredent condition, 220kV Maharambagh-Maijid Moh ck 1:82 were not in service and 220kV Tuglakabad-Maiji Moh ck 1:2 (arrying 34MW) & ck 2: (arrying 34M	1) 220 IV Tugislabada-Masjid Moth (DTL) Cit-1 2) 220 IV Tugislabad-Okhia (DTL) Cit-1

						<u>]</u>	Details of	f Grid Ev	ents duri	ng the Month	1 of Aug	ust 2023 in Western 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 gener load during t	ration / loss of he Grid Event	% Loss of gen of load w.r.t Generation/ Regional Grid	Antecedent Load in the d during the Event	Antecedent Generat the Regional		Brief details of the event (pre fault and post fault system conditions)	Elements Tripped
	(GI 1or 2/ GD-1 to GD-5)					Generation Loss(MW)	Load Loss (MW)	% Generation Loss(MW)	% Load Loss (MW)	Antecedent Generation (MW)	Antecedent Load (MW)		
1	GI-1	WR	06-Aug-23 12:11	06-Aug-23 13:34	1:23	280	-	0.005	-	59837	51273	At 12:11 Hrs/ 06-08-2023, 220/33 kV Ostro-ICT-1 tripped due to opening of LV jumper. At the same time, 220/33 kV Ostro-ICT-2 tripped on overcurrent protection operation. Generation loss of 280 MW occurred at 220 kV Ostro (Renew Power) wind power plant due to the event.	Tripping of 1. 220 kV/33 kV Ostro-ICT-1 & 2
2	GI-2	WR	06-Aug-23 21:12	06-Aug-23 22:35	1:23	-	-	-	-	68922	51686		Tripping of 1. 400 kV Korba (NTPC)-Bus-3 2. 400 kV Korba-Raipur-4 3. 400 kV Korba- Birsinghpur-2 4. 400 kV Korba-Vindhyachal-2
3	GD-1	WR	08-Aug-23 13:32	08-Aug-23 22:07	8:35	260	-	0.004	-	66815	55820	At 13:32 Hrs/ 08-08-2023, : 220 kV Naranpar-Bhuj line tripped on B-E fault. As informed by site line was tripped by miscreants due to ROW issue. Generation loss of 260 MW occurred at 220 kV Narnapar (GIWEL) wind power plant due to loss of evacuation path.	Tripping of 1. 220 kV Naranpar-Bhuj
4	GD-1	WR	11-Aug-23 20;42	11-Aug-23 21:46	1:04	-	88	-	0.001	75267	59990	At 20:42hrs/ 11-08-2023, B-phase CT of 220KV Asoj-Jambuva-1 blasted at Jhambuva substation, after 535 msec R-phase CT of 220KV Asoj-Jambuva-2 blasted at Jhambuva substationand and fire erupted in switchyard leading to busbar protection operation in Bus-1 and Bus-2, leading to blackout of Jambuva substation. Load loss of around 88MW was reported due to the event.	Tripping of- 1. 220kv Asoj-Jambuva-1&2 2. 220kv Jambuva-Ikagadiya 3. 220kv Jambuva-Jhagadiya 4. 220kv Jambuva-Athalliya-3&4 6. 220kv Jambuva-Gotri-1&2 7. 220kv Jambuva-Cotri-1&2 8. 220/G6kv Jambuva-CT-1_2&3 9. 220/G6kv Jambuva-Eus-1&2 10. 220kv Jambuva-Bus-1&2
5	GD-1	WR	13-Aug-23 13:07	13-Aug-23 18:30	5:23	250	-	0.004	-	71053	61132	At 13:07 Hrs/ 13-08-2023,220 kV Naranpar-Bhuj line tripped on B-E fault.Generation loss of 250 MW occurred at 220 kV Narnapar (GIWEL) wind power plant due to loss of evacuation path.	Tripping of 1. 220 kV Naranpar-Bhuj
6	GD-1	WR	14-Aug-23 04:09	14-Aug-23 04:31	0:22	253	-	0.004	-	68173	56215	At 04:09 Hrs/ 14-08-2023,220 kV Bhuj-Gadhsisa line tripped on Y-E fault.Generation loss of 253 MW occurred at 220 kV Gadhsisa (Renew Power) wind power plant due to loss of evacuation path.	Tripping of 1. 220 kV Bhuj-Gadhsisa
7	GD-1	WR	14-Aug-23 05:57	14-Aug-23 07:17	1:20	-	1271	-	0.022	70211	58247	At 05:56:53/ 14-08-2023, 220 kV Bhilai-Bemetra tripped on over current protection operation (maloperation), leading to overloading of 220 kV Bhatapara-Suhela and 220 kV DSPM-Suhela. At 05:57:06, 220 kV DSPM-Suhela tripped on over current protection operation. Due to delayed opening of V-phase at Suhela, LBB protection operated and instead of only 220 kV Suhela-Bus-1, Bus-2 also tripped due to wrong isolator selector switch status of DSPM line (Both the 89A & 89B status was closed), leading to blackout of 220 kV Suhela substation. Also complete outage (blackout) occured at Paraswani, Mungeli, Gendpur, Bemetara and 132 kV downstream substations. Load loss of 1271 MW occured at Suhela, Paraswani, Mungeli, Gendpur, Bemetara areas due to the above tripping.	Tripping of 1. 220 kV Bhlai-Bemetra 2. 220 kV Bhatapara-Suhela-1,2&3 3. 220 kV DSPM-Suhela 4. 220 kV Suhela-Bemetra-1&2 5. 220 kV Suhela-Parswani-1&2 6. 220 kV Suhela-Banari 7. 220 kV Suhela-Bus-1&2
8	GD-1	WR	15-Aug-23 04:35	16-Aug-23 01:26	20:51	135	-	0.002	-	69219	56625		Tripping of 1. 220 kV Bhuj-Vadva-1

						1	Details of	Grid Ev	ents duri	ng the Montl	h of Aug	ust 2023 in Western Region	गिइ-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 gener load during t		% Loss of ger of load w.r.t Generation/ Regional Gri Grid	Antecedent Load in the d during the	Antecedent Generat the Regional		Brief details of the event (pre fault and post fault system conditions)	Elements Tripped
	(GI 1or 2/ GD-1 to GD-5)		2.cm			Generation Loss(MW)	Load Loss (MW)	% Generation Loss(MW)	% Load Loss (MW)	Antecedent Generation (MW)	Antecedent Load (MW)		
9	GI-1	WR	16-Aug-23 21:33	16-Aug-23 21:53	0:20	-	-	-	-	73804	65515	At 09:33 Hrs/ 16-08-2023, while first time charging of 220 kV Kalwa-Pawne-1, bus bar protection operated in 220 kV Kalwa-Bus-2 resulting in tripping of 220 kV Kalwa-Bus-2 all connected elements.No load loss occurred during the event.	Tripping of 1. 220 kV Kalwa-Bus-2 2. 220 kV Borivail-Kalwa-1 3. 400/220 kV Kalwa-Colorchem-1 5. 220 kV Kalwa-Colorchem-1 5. 220 kV Kalwa-Mulund 2
10	GD-1	WR	16-Aug-23 10:59	16-Aug-23 11:25	0:26	-	350	-	0.005	77689	66700	At 10:47 hrs/ 16-08-2023, 220 kV Sachin-Ichhapore-1 tripped on R-E fault due to R phase wave trap got damaged at Sachin end. At the same time 220 kV Sachin-GSEG-1 tripped on reflected earth fault. Prior to the event 220 kV Sachin-Vav was under planned shutdown. At 10:59 hrs, 220 kV Sachin-Navsari-1 tripped on R-Y fault and substation became dark. Load loss of 350 MW occured due to the event.	Tripping of 1. 220 kV Sachin-Ichhapore-1 2. 220 kV Sachin-GSEG-1 3. 220 kV Sachin-Navsari-1
11	GD-1	WR	19-Aug-23 17:57	19-Aug-23 19:00	1:03	1350	-	0.018	-	74687	61077	At 17:57 Hrs/ 19-08-2023, 400 kV SSP-Bus-1&2 tripped on LBB protetcion operation of Bus- Coupler. Bus Coupler was in open condition and LBB operated due to maloperation of M-2 relay. Even though bus coupler was in open condition, Status of Bus coupler R phase of M-2 relay was showing "closed" and contact of timer relay of LBB was short. This led to LBB operation. Generation loss of 1350 MW occured at SSP hydro power plant due to the above event.	Tripping of 1. 400 kV SSP-Bus-1&2 2. 400 kV SSP-Dhule-1&2 3. 400 kV SSP-Raigarh-1&2 4. 400 kV SSP-Raigarh-1&2 4. 400 kV SSP-Kasor 6. 400/20 kV SSP-(T-1&2 7. SSP Unit-1,2,3,4,5&6
12	GD-1	WR	21-Aug-23 04:18	22-Aug-23 20:02	15:44	143	-	0.002	-	68699	52806	At 04:18 Hrs/ 21-08-2023,220 kV Bhuj-Vadva-1 tripped on R-E fault due to faulty insulator at Tower location 181. Generation loss of 143 MW occurred at 220 kV Vadva (GIWEL II) wind power plant due to loss of evacuation path.	Tripping of 1. 220 kV Bhuj-Vadva-1

								Details of	Grid Eve	nts during the	e Month o	of August 2023 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	Loss of generatio during the C		% Loss of genet load w.r.t A Generation/J Regional Grid d Eve	ntecedent Load in the uring the Grid	Antecedent Generati Regional		Brief details of the event (pre fault and post fault system conditions)	Name of Elements (Tripped/Manually opened)
	(GI 1or 2/ GD-1 to GD-5)					Generation Loss(MW)	Load Loss (MW)	% Generation Loss(MW)	% Load Loss (MW)	Antecedent Generation (MW)	Antecedent Load (MW)		
1	GD-1	Pondicherry	05-Aug-23 11:57	05-Aug-23 12:58	01hr 1min	0	132	0.00%	0.24%	52061	55929	Complete Outage of 230kV/110kV Villianur SS of Pondicherry: During antecdent conditions, 230kV Neyveii TS-2 Villianur line was under idle charged condition from Neyveli TS-2. As per the reports submitted, the triggering incident was B-N fault in 230kV Pondicherry Villianur line. Tripping of the only connected line resulted in complete outage of 230kV/110kV Villianur SS.	1. 230kV Pondicherry Villianur line
2	GD-1	Pondicherry	05-Aug-23 14:10	05-Aug-23 14:41	31mins	0	138	0.00%	0.25%	50579	54229	Complete Outage of 230kV/110kV Villianur SS of Pondicherry: During antecdent conditions, 230kV Pondicherry Villianur line was under idle charged condition. As per the reports submitted, the triggering incident was B-N fault in 230kV Neyveli TS-2 Villianur line. Tripping of the only connected line resulted in complete outage of 230kV/110kV Villianur SS.	1. 230KV Neyveli TS-2 Villianur line
3	GD-1	Telangana	08-Aug-23 15:47	08-Aug-23 21:28	5hrs 41mins	0	0	0.00%	0.00%	47268	57507	Complete Outage of 765kV/400kV Warangal_WKTL SS: During antecedent conditions, 400kV Warangal Warangal_WKTL line-1 was under outage. 765kV Bus and lines were not in charged condition. As per the reports submitted, the triggering incident was RV-N fault in 400kV Warangal Warangal_WKTL Line-2. Tripping of the only connected line resulted in a complete outage of 765kV/400kV Warangal_WKTL SS.	1.400kV Warangal Warangal_WKTL line-2
4	GD-1	Karnataka	09-Aug-23 13:36	09-Aug-23 13:55	19mins	60	0	0.12%	0.00%	48891	59182	Complete Outage of 220kV Varahi PH of KPCL: 220kV Varahi PH is operating with a single bus scheme. As per the reports submitted, the triggering incident was 220kV Bus fault at Varahi PH. Due to non-operation of BBP, the fault was cleared at remote ends on operation of Zone-2 protection. Tripping of all the connected lines resulted in complete outage of 220kV Varahi PH.	1. 220kV Varahi Shimoga Line-1, 2, & 3 1. 220kV Varahi Kemar Line-1& 2
5	GD-1	Karnataka	12-Aug-23 11:38	12-Aug-23 11:59	21mins	0	42	0.00%	0.08%	49112	55203	Complete Outage of 220kV Kodasalli PH, 220kV Kadra PH of KPCL and 220kV/110kV Karwar SS of KPTCL: During antecedent conditions, 220kV Kaiga Kadra and 220kV Kaiga Kodasalli were under outage. 220kV Kodasalli PH, 220kV Kadra PH and 220kV/10kV Karwar SS were being radially fed from 220kV Nagiheri PH. As per the reports submitted, the triggering incident was the tripping of 220kV Nagiheeri Kodsalli Line-1 and 220kV Nagiheri Kodsalli Line-2 on Earth fault protection at Nagiheri end. Tripping of both lines led to complete outage of 220kV Kodasalli PH, 220kV Kadra PH and 220kV/110kV Karwar SS.	1. 220kV Nagjheri Kodsalli Line-18.2
6	GD-1	Tamil Nadu	13-Aug-23 14:31	13-Aug-23 14:54	23mins	70	0	0.15%	0.00%	46998	53079	Complete Outage of 230kV JSW_Vilathikulam Wind: As per the reports submitted, the 230kV TTGS JSW_Vilathikulam_Wind line tripped only at JSW_Vilathikulam end on distance protection operation during VT fuse failure. Tripping of the only connected line resulted in complete outage of 230kV JSW_Vilathikulam Wind.	230kV TTGS JSW_Vilathikulam_Wind
7	GD-1	Karnataka	23-Aug-23 15:50	23-Aug-23 16:28	38mins	8	358	0.02%	0.60%	48306	59707	Complete Outage of 220kV/110kV Ranebennur SS, 220kV/33kV Sarjan_Suzlon Wind_Guttur, 220kV/66kV Davanagere SS, 220kV/33kV Suzlon_Wind_Honnali, and 220kV/66kV Benkikere SS of KPTCL : As per the information received, the triggering incident was failure of R-phase CT of 220kV Guttur Ranebennur line at Guttur end. This resulted in the operation of 220kV bus-2 BB valowL20kV Guttur SS and all the elements connected to 220kV Bus-2 got tripped. This in un resulted in the complete loss of supply to 220kV Sarjan_Suzlon Wind_Guttur and 220kV/10kV Bus-2 got tripped. This in un resulted in the complete loss of supply to 220kV Sarjan_Suzlon Wind_Guttur and 220kV/10kV Ranebennur Ss ince both S were only connected to 220kV Bus-2 at 400kV/220kV Guttur S. After the tripping of 220kV Guttur Davanagere line-1 and 2 on 220kV Bus-2 BBP operation, 220kV Guttur Davanagere Is. S. After the tripped on operation of overcurrent protection. This resulted in complete outage of 220kV/66kV Bus-34 gottv/66kV Bus-34 gottv	1. 220KV Guttur-Guttur SAS line-2 2. 220KV Guttur-Devanagere line-1, 2, 8, 3 3. 400/220KV Guttur-ICT-2 4. 220KV Guttur-Ranebennur 5. 220KV Guttur-Ranebennur 5. 220KV Guttur-Ranebennur 6. 220KV Guttur-Haveri line-1& 2 7. 220KV Guttur-Haveri line-1& 2 8. 220KV Guttur-Sarjan Wind
8	GD-1	Karnataka	31-Aug-23 22:51	31-Aug-23 23:01	10mins	0	113	0.00%	0.25%	44658	45542	Complete Outage of 220kV/66kV Khodays SS, and 220kV/66kV Subramanyapura SS of KPTCL : During antecedent conditions, 220kV Subramanyapura - Peenya line was under outage. Triggering incident was RN fault in 220kV Somanahally - Khodays line. This resulted in complete loss of supply at 220kV/66kV Khodays SS and 220kV/66kV Subramanyapura SS since these stations were radially fed from Somanahalli Station.	1. 220kV Somanahalli-Khodays
9	Gi-1	Karnataka	09-Aug-23 06:02	09-Aug-23 06:34	32mins	200	0	0.55%	0.00%	36688	48230	Tripping of 220kV Bus-1 of 220kV Alamatti Generating station of KPCL: Duing antecedent conditions, 220kV Alamatti Generating station was operating with split bus condition at 220kV level. 220kV Alamatti Bagewadi Line-1, 220kV Alamatti Bagalkot Line-1 and Uni-4.5 and 6 are connected to 220kV Bus-1. As per the reports submitted, the triggering incident was R-N fault in 220kV Alamatti Bagewadi Line-1. At the same time, 220kV Alamatti Bagaikot Line-1 tripped at Bagalkot end. Tripping of both lines led to loss of evacuation path for the Unit-4,5&6 and they tripped on over frequency protection. This led to de-energisation of 220kV Bus-1 at Alamatti Generating station. Subsequently, Unit- 1,283 connected to 220kV Bus-2 also tripped.	1. 220kV Alamatti Bagewadi Line-1 2. 220kV Alamatti Bagalkot Line-1 3. Alamatti Unit-1,2,3,4,5 & 6

								Details of (Grid Eve	nts during the	e Month o	f August 2023 in Southern Region
SI No.	Category of Grid Event	Affected Area	Time and Date of occurrence of Grid Event	Time and Date of Restoration	Duration	Loss of generation during the G		% Loss of genera load w.r.t An Generation/Lo Regional Grid du Even	ntecedent oad in the rring the Grid	Antecedent Generati Regional (Brief details of the event (pre fault and post fault system conditions) Name of Elements (Tripped/Manually opened)
	(GI 1or 2/ GD-1 to GD-5)					Generation Loss(MW)	Load Loss (MW)	% Generation Loss(MW)	% Load Loss (MW)	Antecedent Generation (MW)	Antecedent Load (MW)	
10	GI-1	Telangana	10-Aug-23 16:42	10-Aug-23 19:49	03hrs 07mins	0	0	0.00%	0.00%	46075	53408	Tripping of 220kV Bus-1 of 220kV Nagarjun Sagar Generating Station of TSGENCO: As per the reports submitted, the triggering incident was maloperation of LBB in 220kV Nagarjun Sagar Tallapalii Line-1 which was under LC at Nagarjun Sagar end during testing works. Immediately all elements connected to 220kV Nagarjun Sagar Bus-1 tripped.
11	Gi-1	Kamataka	10-Aug-23 11:48	10-Aug-23 16:14	04hrs 26mins	0	0	0.00%	0.00%	49644	58898	Tripping of 220kV Bus-1 of 400kV/220kV Munirabad SS of PGCIL SR-1: During antecedent conditions, at 400kV/220kV Munirabad SS, main circuit breaker of 220kV Munirabad Lingapur line-2 was bypassed and the line was charged through Bus Coupler by connecting to 220kV Bus-1. The triggering incident was R-N fault in 220kV Munirabad Lingapur line-2 and the bus coupler at Munirabad end tripped. Since this is the only line connected to Bus-1 at Munirabad, this resulted in the de-energization of 220kV Bus-1 of 400kV/220kV Munirabad SS.
12	GI-2	Andhra Pradesh	10-Aug-23 18:46	11-Aug-23 06:45	11hrs 59mins	0	0	0.00%	0.00%	43043	48992	Tripping of 400kV Bus-1 of 400kV HNPCL SS: As per the reports submitted, the triggering incident was failure of a Y- phase Bus-1 isolator. Immediately, 400kV Bus-1 BBP operated and all the main circuit breakers connected to the Bus-1 tripped. At the same time, 400kV Maradam Kalpakka line-1 tripped only at Maradam end due to SOTF maloperation.
13	GI-2	Kamataka	11-Aug-23 05:19	11-Aug-23 07:51	02hrs 32mins	0	0	0.00%	0.00%	37699	45054	Tripping of 400kV Bus-1 of 400kV/220kV Kaiga APS of NPCIL: 400kV/220kV Kaiga APS is operating with one and half breaker scheme at 400kV level. As per the reports submitted, the triggering incident was Main CB LBB maloperation of 400kV/220kV Kaiga ICT-1 which was under LC. Immediately all the Main CBs connected to 400kV Bus-1 tripped causing the de-energisation of 400kV Bus-1 at Kaiga APS.
14	GI-2	Tamil Nadu	11-Aug-23 17:53	11-Aug-23 23:16	05hrs 23mins	0	0	0.00%	0.00%	40972	50325	Tripping of 400kV Bus-1 of 400kV/230kV NNTPP : 400kV/230kV NNTPP is operating with Double Bus with Bus Coupler scheme at 400kV level. As per the reports submitted, the triggering incident was R-N fault in 400kV Bus-1 at 1. 400kV NNTPP Kalivendapattu Line-1 400kV/220kV NNTPP. Immediately, BBP operated and all the elements connected to the 400kV Bus-1 tripped leading to 12. 400kV/230kV NNTPP ICT-1 the de-energisation of the Bus.
15	GI-1	Karnataka	15-Aug-23 02:06	15-Aug-23 07:22	05hrs 16mins	0	0	0.00%	0.00%	39930	43465	Tripping of 220kV Bus-1 of 400kV/220kV Munirabad SS of PGCIL SR-1: During antecedent conditions, at 400kV/220kV Munirabad SS, main circuit breaker of 220KV Munirabad Lingapur line-2 was bypassed and the line was charged through Bus Coupler by connecting to 220kV Bus-1. The triggering incluent was tripping of 220kV Munirabad Lingapur line-2 at 1. 220kV Munirabad Lingapur line-2 Munirabad end and the bus coupler at Munirabad end tripped. Since this is the only line connected to Bus-1 at Munirabad, this resulted in the de-energization of 220kV Bus-1 of 400kV/220kV Munirabad SS.
16	Gi-1	Kamataka	22-Aug-23 22:53	23-Aug-23 01:25	02 hrs 32 mins	0	0	0.00%	0.00%	43233	49169	Tripping of 220kV Bus-1 of 400kV/220kV Munirabad SS of PGCIL SR-1: During antecedent conditions, at 400kV/220kV Munirabad SS, main circuit breaker of 220kV Munirabad Lingapur line-2 was bypassed and the line was charged through Bus Coupler by connecting to 220kV Bus-1.The triggering incident was B-N fault in 220kV Munirabad Lingapur line-2 and the bus coupler at Munirabad end tripped. Since this is the only line connected to Bus-1 at Munirabad, this resulted in the de-energization of 220kV Bus-1 of 400kV/220kV Munirabad SI.
17	Gi-1	Kerala	25-Aug-23 10:58	25-Aug-23 11:05	7mins	0	216	0.00%	0.31%	52758	69350	Tripping of 220kV Bus-1 of 220kV/110kV Pothencode SS of KSEB: During relay testing of 220kV/110kV 200MVA 1. 220kV Pothencode Edamon line-1 2. 220kV Pothencode Trivandrum line-1&3 2. 20kV Pothencode Trivandrum line-1&3 2. 20kV Pothencode SS. At the same time, 220kV/110kV 200MVA Transformer-2 4. 220kV/10kV 200MVA Transformer-1& 2 at Pothencode to 220kV Bus-1 at 220kV Pothencode SS. At the same time, 220kV/110kV 200MVA Transformer-2 4. 220kV/140kV 200MVA Transformer-1& 2 at Pothencode
18	GI-1	Andhra Pradesh	26-Aug-23 06:55	26-Aug-23 07:55	1 hr	0	0	0.00%	0.00%	4224	53390	Tripping of 220kV Bus-1 of 220kV Vizag Switching Station of APTRANSCO: The triggering incident was the failure of Y-ph 1. 220kV VSS-Gajuwaka DIOL SRC insulator of jack bus dropper connecting to Bus isolators-I & II of 220kV VSS-MRS-I feeder bay at 220kV VSS 3. 220kV VS- Kalapaka-1 end leading to the operation of BBP of Bus-1 at VSS and tripping of all the elements connected to 220kV Bus-1 at VSS. 3. 220kV VSS-MRS-1 At the same time, 220kV VSS-PGCIL line-2 corresponding to 400kV/220kV Gazuwaka ICT-2 which was connected to 220kV VSS-Parawada-1 5. 220kV VSS-Pendurthy-1 220kV Bus-2 also got tripped during this event and the same needs review. 6. 220kV VSS-Pendurthy-1

								Details of	Grid Evei	nts during the	Month o	f August 2023 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	Loss of generation during the G		% Loss of gener load w.r.t A Generation/I Regional Grid du Eve	ntecedent .oad in the uring the Grid	Antecedent Generatio Regional C		Brief details of the avent (we fault and not fault vectors conditions)	Name of Elements (Tripped/Manually opened)
	(GI lor 2/ GD-1 to GD-5)					Generation Loss(MW)	Load Loss (MW)	% Generation Loss(MW)	% Load Loss (MW)	Antecedent Generation (MW)	Antecedent Load (MW)		
19	Gi-1	Karnataka	30-Aug-23 03:05	30-Aug-23 04:48	01 hr 43 mins	0	0	0.00%	0.00%	39850	45168	Tripping of 220kV Bus-1 of 400kV/220kV Munirabad SS of PGCLL SR-1: During antecedent conditions, at 400kV/220kV Munirabad SS, main circuit breaker of 220kV Munirabad Lingapur line-2 was bypassed and the line was charged through Bus Coupler by connecting to 220kV Bus-1.The triggering incident was tripping of 220kV Munirabad Lingapur line-2 only at the Munirabad end due to distance protection overreach. Since this is the only line connected to Bus-1 at Munirabad, this resulted in the de-energization of 220kV Bus-1 of 400kV/220kV Munirabad SS.	1. 220KV Munirabad Lingapur line-2

						<u>Detai</u>	ils of Gi	rid Even	ts during	the Month	of Augus	st 2023 in Eastern Region जिड-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 loss of load Grid	during the	of load w.r. Generation Regional Gr	neration / loss t Antecedent /Load in the id during the Event	Antecedent Generation the Regiona		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)		% Generation Loss(MW)	% Load Loss (MW)	Antecedent Generation (MW)	Antecedent Load (MW)	
1	GD-1	Motipur	15.08.2023 14:31	15.08.2023 14:46	00:15	0	121	0.00%	0.49%	28844	24909	At 14:31 Hrs, 220 kV Motipur-MTPS-2 tripped due to B-Earth fault, however, breaker at Motipur didn't open and LBB operated. As reported, isolator status of 220 kV Motipur-MTPS D/c Darbhanga (DMTCL)-Motipur-1 at Motipur end was showing connected to both bus. Consequently, both 220 kV Bus at Motipur tripped and Motipur S/s became dead. 121 MW load loss reported at Motipur, Muzaffarpur, Chakia.
2	GI-2	Adhunik (APNRL)	17.08.2023 12:18	17.08.2023 18:43	06:25	490	0	1.70%	0.00%	28822	23932	At 12:18 Hrs on 17.08.2023, 2*270 MW U#1 & U#2 at APNRL tripped, leading to load loss of around 490 MW. As reported, GT of both units tripped on E/f. There was a resistive fault in 400 kV Chaibasa-Kharagpur line which persisted for around 2.5 seconds. Both units at APNRL tripped during this instance.

						De	tails of Grid I	Events durir	ng the Month	of August 2	023 in Nort	h Eastern Region	👔 ग्रिड-इंडिया GRID-INDIA
	Category of Grid		Time and Date of				ration / loss of load he Grid Event		ion / loss of load w.r.t eration/Load in the		eration/Load in the onal Grid		
Sl No.	Event (GI 1or 2/ GD-1 to GD-5)	Affected Area	Time and Date of occurrence of Grid Event	Time and Date of Restoration	Duration (HH:MM:SS)	Generation Loss(MW)	Load Loss (MW)	Antecedent Gen % 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
I	GD 1	Serchip, Lunglei, Melriat(MI) and Lungmual aress of Mizoram Power System	01-Aug-23 12:25	01-Aug-23 12:38	0:13:00	0	29	0.00%	1.07%	2689	2713	Serchip, Lunglei, Melriat(MI) and Lungmual areas of Mizoram Power System were connected with the rest of NER grid through 132 kV Zuangtui-Serchip line. 132 kV Aizawi-Lungmual line was under planned shutdown from 07:54 Hrs on 01.08.2023. At 12:25 Hrs on 01.08.2023, 132 kV Zuangtui-Serchip line tripped. Due to tripping of this element, Serchip, Lunglei, Meirik(MI) and Lungmual areas of Mizoram Power System got separated from the rest of NER Grid and subsequently collapsed due to to no source available in these areas. Power supply was extended to Serchip, Lunglei, Meiriat(MI) and Lungmual areas of Mizoram Power System by charging 132 kV Zuangtui-Serchip line at 12:38 Hrs on 01.08.2023.	132 kV Zuangtui -Serchip line
2	GD 1	Meluri, Kiphire areas and Likimro HEP of Nagaland Power System	01-Aug-23 19:14	01-Aug-23 19:26	0:12:00	21	8	0.60%	0.23%	3491	3447	Meluri, Kiphire areas and Likimro HEP of Nagaland Power System were connected with the rest of NER grid through 132 kV Kohima-Meluri line. At 19:14 Hrs on 01.08.2023, 132 kV Kohima-Meluri line tripped. Due to tripping of this element, Meluri, Kiphire areas and Likimro HEP of Nagaland Power System got separated from the rest of NER Grid and subsequently collapsed due to load generation mismatch in these areas. Power supply was extended to Meluri, Kiphire areas and Likimro HEP of Nagaland Power System by charging 132 kV Kohima-Meluri line at 19:26 Hrs on 01.08.2023	132 kV Kohima-Meluri line
3	GD 1	Meluri, Kiphire areas and Likimro HEP of Nagaland Power System	02-Aug-23 12:30	02-Aug-23 12:37	0:07:00	23	5	0.91%	0.17%	2522	2861	Meluri, Kiphire areas and Likimro HEP of Nagaland Power System were connected with the rest of NER grid through 132 kV Kohima-Meluri line. At 12:30 Hrs on 02.08.2023, 132 kV Kohima-Meluri line tripped. Due to tripping of this element, Meluri, Kiphire areas and Likimro HEP of Nagaland Power System got separated from the rest of NER Grid and subsequently collapsed due to load generation mismatch in these areas. Power supply was extended to Meluri, Kiphire areas and Likimro HEP of Nagaland Power System by charging 132 kV Kohima-Meluri line at 12:37 Hrs on 02.06.2023	132 kV Kohima-Meluri line
4	GD 1	Dimapur(NL) area of Nagaland Power System	02-Aug-23 16:35	02-Aug-23 17:02	0:27:00	0	85	0.00%	2.93%	2722	2903	Dimapur(NL) area of Nagaland Power System was connected with the rest of NER grid through 132 kV Dimapur (PG) - Dimapur (DoP, Nagaland) D/C lines. At 16:35 Hrs on 02.08.2023, 132 kV Dimapur (PG) - Dimapur (DoP, Nagaland) D/C lines tripped. Due to tripping of this element, Dimapur(NL) area of Nagaland Power System got separated from the rest of NER Grid and subsequently collapsed due to to no source available in this area. Power supply was extened to Dimapur(NL) area of Nagaland Power System by charging 132 kV Dimapur (PG) - Dimapur (DoP, Nagaland) 1 line at 17:02 Hrs on 02.08.2023.	132 kV Dimapur (PG) - Dimapur (DoP, Nagaland) D/C lines
5	GD 1	Tenga, Khupi areas and Dikshi HEP of Arunachal Pradesh Power System	02-Aug-23 21:52	02-Aug-23 22:21	0:29:00	18	20	0.54%	0.67%	3315	2995	Tenga, Khupi areas and Dikshi HEP of Arunachal Pradesh Power System were connected with the rest of NER grid through 132 KV Balipara - Tenga line. At 21:52 Hrs on 02.08.2023, 132 KV Balipara - Tenga line tripped. Due to tripping of this element, Tenga, Khupi areas and Dikshi HEP of Arunachal Pradesh Power System got separated from the rest of NER Grid and subsequently collapsed due to load generation mismatch in these areas. Power supply was extended to Tenga, Khupi areas and Dikshi HEP of Arunachal Pradesh Power System by charging 132 KV Balipara - Tenga line at 22:21 Hrs on 02.08.2023.	132 kV Balipara - Tenga line
6	GD 1	New Umtru Generating Station of Meghalaya Power System	03-Aug-23 16:47	03-Aug-23 17:32	0:45	36	0	1%	0%	2922	2934	New Umtru Generating Station of Meghalaya Power System was connected with the rest of NER grid through 132 kV EPIP II - New Umtru & 132 kV Umtru - New Umtru lines. At 16:47 Hrs on 03.08.2023,132 kV EPIP II - New Umtru & 132 kV Umtru -New Umtru lines tripped. Due to tripping of these elements, New Umtru Generating Station of Meghalaya Power System got separated from the rest of NER Grid and subsequently collapsed tue to loss of execution path. Power supply was extended to New Umtru Generating Station of Meghalaya Power System by charging 132 kV EPIP II - New Umtru line at 17:32 Hrs on 03.08.2023.	132 kV EPIP II - New Umtru & 132 kV Umtru - New Umtru lines
7	GD 1	Daporizo, Basar & Along areas of Arunachal Pradesh Power System	04-Aug-23 23:02	05-Aug-23 00:36	1:34	0	21	0%	1%	3257	2864	Daporizo, Basar & Along areas of Arunachal Pradesh Power System were connected with the rest of NER Grid through 132 kV Daporijo-Ziro and 132 kV Along - Pasighat lines. At 23:02 Hrs on 04.08.2023, 132 kV Daporijo-Ziro and 132 kV Along - Pasighat lines tripped. Due to tripping of these elements, Daporizo, Basar & Along areas of Arunachal Pradesh Power System got separated from the rest of NER Grid and subsequently collapsed due to no source available in these areas. Power supply was extended to Daporizo, Basar & Along areas of Arunachal Pradesh Power System by charging 132 kV Along - Pasighat Line at 00:36 Hrs of 05:08.2023.	132 kV Daporijo -Ziro and 132 kV Along - Pasighat lines

						Det	tails of Grid 1	Events durir	ng the Month	of August :	2023 in North	Eastern Region	🚺 ग्रिड-इंडिया GRID-INDIA
	Category of Grid Event		Time and Date of			Loss of generation / loss of load during the Grid Event		% Loss of generation / loss of load w.r.t Antecedent Generation/Load in the		Antecedent Generation/Load in the Regional Grid			
Sl No.	Event (GI 1or 2/ GD-1 to GD-5)	Affected Area	accumpton of Cald Tin	Time and Date of Restoration	Duration (HH:MM:SS)	during th Generation Loss(MW)	te Grid Event	Antecedent Gen % Generation Loss(MW)	% Load Loss (MW)	Antecedent Generation (MW)	Antecedent Load (MW)	Brief details of the event (pre fault and post fault system conditions)	Elements Tripped
8	GD 1	Jawaharnagar area of Assam Power System	07-Aug-23 09:32	07-Aug-23 10:08	0:36:00	0	28	0.00%	0.99%	2180	2828	Jawaharnagar area of Assam Power System was connected with the rest of NER Grid through 220 kV Samaguri-Jawaharnagar line. 220 kV Sarusajai-Jawaharnagar line was under planned shutdown. At 09:32 Hrs on 07.08.2023, 220 kV Samaguri-Jawaharnagar line tripped. Due to tripping of this element, Jawaharnagar area of Assam Power System got separated from the rest of NER Grid and subsequently collapsed due to no source available in this area. Power supply was extended to the Jawaharnagar area of Assam Power System by charging 220 kV Sarusajai- Jawaharnagar line at 10:08 Hrs of 07.08.2023.	220 KV Samaguri-Jawaharnagar line
9	GD 1	Dhemaji & Silapathar areas of Assam Power System	08-Aug-23 08:39	08-Aug-23 08:56	0:17:00	0	27	0.00%	1.12%	3472	2411	Dhemaji & Silapathar areas of Assam Power System were connected with the rest of NER Grid through 132 kV North Lakhimpur - Dhemaji line. At 08:39 Hrs on 08.08.2023, 132 kV North Lakhimpur - Dhemaji line tripped. Due to tripping of this element, Dhemaji & Silapathar areas of Assam Power System got separated from the rest of NER Grid and subsequently collapsed due to no source available in these areas. Power supply was extended to the Dhemaji & Silapathar areas of Assam Power System by charging 132 kV North Lakhimpur - Dhemaji line at 08:56 Hrs of 08.08.2023.	132 KV North Lakhimpur - Dhemaji line
10	GD 1	Basar and Along areas of Arunachal Pradesh Power System	08-Aug-23 13:18	08-Aug-23 16:02	2:44:00	0	11	0.00%	0.37%	2604	2947	Basar and Along areas of Arunachal Pradesh Power System were connected with the rest of NER Grid through 132 kV Along-Pasighat and 132 kV Along-Daporijo lines. At 13:18 Hrs on 08.08.2023, 132 kV Along-Pasighat and 132 kV Along-Daporijo lines tripped. Due to tripping of these elements, Basar and Along areas of Arunachal Pradesh Power System were separated from the rest of NER Grid and subsequently collapsed due to no source available in these areas. Power supply was extended to Along area of Arunachal Pradesh Power System by chraging 132 kV Along - Pasighat line at 16:02 Hrs on 08.08.2023 and then power supply was extended to Basar area of Arunachal Pradesh Power System by charging 132 kV Along - Basar line at 16:30 Hrs on 08.08.2023.	132 kV Along-Pasighat and 132 kV Along- Daporijo lines
11	GD 1	Tenga, Khupi areas and Dikshi HEP of Arunachal Pradesh Power System	08-Aug-23 20:59	08-Aug-23 22:03	1:04:00	24	22	0.79%	0.66%	3036	3314	Tenga, Khupi areas and Dikshi HEP of Arunachal Pradesh Power System were connected with the rest of NER grid through 132 kV Balipara - Tenga line. At 20:59 Hrs on 08.08.2023, 132 kV Balipara - Tenga line tripped. Due to tripping of this element, Tenga, Khupi areas and Dikshi HEP of Arunachal Pradesh Power System got separated from the rest of NER Grid and subsequently collapsed due to load generation mismatch in these areas. Power supply was extended to Tenga, Khupi areas and Dikshi HEP of Arunachal Pradesh Power System by charging 132 kV Balipara - Tenga line at 22:03 Hrs on 08.08.2023.	132 KV Balipara - Tenga line
12	GD 1	Boko area and Boko Solar Power Plant of Assam Power System	18-Aug-23 09:32	18-Aug-23 11:25	1:53	24	20	1%	1%	3044	2606	Boko area and Boko Solar Power Plant of Assam Power System were connected with the rest of NER Grid through 220 kV Agia - Boko and 220 kV Azara - Boko lines. At 09:32 Hrs on 18.08.2023, 220 kV Agia - Boko and 220 kV Azara - Boko lines tripped. Due to tripping of these elements, Boko area and Boko Solar Power Plant of Assam Power System were separated from the rest of NER Grid and subsequently collapsed due to load generation mismatch in these areas. Power supply was extended to Boko area and Boko Solar Power Plant of Assam Power System by charging 220 kV Azara - Boko line at 11:25 Hrs on 18.08.2023.	220 kV Agia - Boko and 220 kV Azara - Boko lines
13	GD 1	Meluri, Kiphire areas and Likimro HEP of Nagaland Power System	18-Aug-23 18:51	18-Aug-23 20:00	1:09	16	12	0%	0%	3540	3391	Meluri, Kiphire areas and Likimro HEP of Nagaland Power System were connected with the rest of NER Grid through 132 kV Kohima-Meluri line. At 18:51 Hrs on 18.08.2023, 132 kV Kohima-Meluri line tripped. Due to tripping of this element, Meluri, Kiphire areas and Likimro HEP of Nagaland Power System got separated from the rest of NER Grid and subsequently collapsed due to load generation mismatch in these areas. Power supply was extended to Meluri, Kiphire areas and Likimro HEP of Nagaland Power System by charging 66 KV Kiphire-Tuensang line at 20:00 Hrs on 18.08.2023. 132 kV Kohima - Meluri line was charged at 16:13 Hrs on 22.08.2023	132 KV Kohima-Meluri line
14	GD 1	Tenga, Khupi areas and Dikshi HEP of Arunachal Pradesh Power System	21-Aug-23 19:27	21-Aug-23 19:49	0:22	22.5	25.5	1%	1%	3638	3025	Tenga, Khupi areas and Dikshi HEP of Arunachal Pradesh Power System were connected with rest of grid through 132 KV Balipara - Tenga line. At 19:27 Hrs on 21.08.2023, 132 kV Balipara - Tenga line tripped. Due to tripping of this element, Tenga, Khupi areas and Dikshi HEP of Arunachal Pradesh Power System got separated from the rest of NER Grid and subsequently collapsed due to load generation mismatch in these areas. Power supply was extended to Tenga, Khupi areas and Dikshi HEP of Arunachal Pradesh Power System by charging 132 kV Balipara - Tenga line at 19:49 Hrs on 21.08.2023.	132 kV Balipara - Tenga line

						De	tails of Grid 1	Events durir	ng the Month o	of August :	2023 in North	Eastern Region	🕡 ग्रिड-इंडिया GRID-INDIA
il No.	Category of Grid Event (GI 1or 2/ GD-1 to GD-5)	Affected Area	Time and Date of occurrence of Grid Event	Time and Date of Restoration	Duration (HH:MM:SS)		ration / loss of load he Grid Event Load Loss (MW)		tion / loss of load w.r.t neration/Load in the % Load Loss (MW)		neration/Load in the ional Grid Antecedent Load (MW)	Brief details of the event (pre fault and post fault system conditions)	Elements Tripped
15	GD 1	Chapakhowa area of Assam Power System and Pasighat, Roing, Tezu, Namsai areas of Arunachal Pradesh Power System	26-Aug-23 18:03	26-Aug-23 19:00	0:57	0	19	0%	1%	3512	2985	Chapakhowa area of Assam Power System and Pasighat, Roing, Tezu, Namsai areas of Arunachal Pradesh Power System were connected with rest of grid through 132 KV Rupai - Chapakhowa line. 132 KV Along- Pasighat line was under emergency shutdown since 16:19 Hrs on 26.08.2023 due to tower collapse. At 18:03 Hrs on 26.08.2023, 132 kV Rupai - Chapakhowa line tripped. Due to tripping of this element, Chapakhowa area of Assam Power System and Pasighat, Roing, Tezu, Namsai areas of Arunachal Pradesh Power System oz beparted form the rest of NER Grid and subsequently collapsed due to no source available in these areas. 132 kV Rupai - Chapakhowa line was declared faulty at 19:00 Hrs on 26.08.2023. Power supply was extended to Chapakhowa area of Assam Power System by charging 132 kV Rupai - Chapakhowa line 110:33 Hrs on 27.08.2023. Power supply was extended to Pasighat, Roing, Tezu and Namsai areas of Arunachal Pradesh Power System by charging 132 kV Roing - Chapakhowa 1 line at 11:00 Hrs on 27.08.2023.	132 kV Rupai - Chapakhowa line
16	GD 1	Chapakhowa area of Assam Power System and Basar, Along, Pasighat, Roing, Tezu, Namsai areas of Arunachal Pradesh Power System	29-Aug-23 09:14	29-Aug-23 09:59	0:45	0	22	0%	1%	3316	2355	Chapakhowa area of Assam Power System and Basar, Along, Pasighat, Roing, Tezu, Namsai areas of Arunachal Pradesh Power System were connected with rest of grid through 132 kV Rupai - Chapakhowa line. 132 kV Daporijo - Basar line was declared faulty since 05:13 Hrs on 27.08.2023. At 09:14 Hrs on 29.08 2023, 132 kV Rupai - Chapakhowa line tripped. Due to tripping of this element, Chapakhowa area of Assam Power System and Basar, Along, Pasighat, Roing, Tezu, Namsai areas of Arunachal Pradesh Power System got separated from the rest of NER Grid and subsequently collapsed due to no source available in these areas. Power supply was extended to Chapakhowa area of Assam Power System and Basar, Along, Pasighat, Roing, Tezu, Namsai areas of Arunachal Pradesh Power System by charging 132 kV Rupai - Chapakhowa line at 09:59 Hrs on 29.08.2023	132 kV Rupai - Chapakhowa line
17	GD 1	Zuangtui, Saitual, Vankal, Serchhip, Lunglei and Khawzawi areas and Vankal Solar Power Plant of Mizoram Power System	29-Aug-23 11:49	29-Aug-23 13:10	1:21	18	19	1%	1%	3246	2478	Zuangtui, Saitual, Vankal, Serchhip, Lunglei and Khawzawi areas and Vankal Solar Power Plant of Mizoram Power System were connected with the rest of NER grid through 132 kV Melriat[PG] - Zuangtui line. 132 kV Melriat-Lunglei line was under shutdown to control overloading of 132kV Aizawi-Lungmual line At 11:49 Hrs on 29.08.2023, 132 kV Melriat[PG] - Zuangtui line tripped. Due to tripping of this element, Zuangtui, Saituk Jvankal, Serchhup, Lunglei and Khawzawi areas and Vankal Solar Power Plant of Mizoram Power System got separated from the rest of NER Grid and subsequently collapsed due to load generation mismatch in these areas Power supply was extended to Zuangtui, Saitual, Vankal, Serchhip, Lunglei and Khawzawi areas and Vankal Solar Power Plant of Mizoram Power System by charging 132 kV Melriat[PG] - Zuangtui line at 13:10 Hrs on 29.08.2023.	132 kV Meiriat(PG) - Zuangtui line
18	GI-II	Assam	06-Aug-23 00:42	06-Aug-23 02:30	1:48	228	0	7%	0%	3211	2763	BgTPP Unit 2 tripped at 00:42 Hrs on 06.08.2023 due to tripping of Unit Auxiliary Transformer - 2 on Buccholz protection. Revision done from Block No. 11 on 06.08.2023.	BgTPP Unit 2
19	GI-II	Assam	09-Aug-23 16:40	09-Aug-23 18:30	1:50	228	0	7%	0%	3334	2747	BgTPP Unit 2 tripped at 16:40 Hrs on 09.08.2023 due to low Primary air header pressure. Revision done from Block No. 75 on 09.08.2023.	BgTPP Unit 2
20	GI-II	Assam	19-Aug-23 12:16	19-Aug-23 14:00	1:44	228	0	9%	0%	2563	2588	BgTPP Unit 2 tripped at 12:16 Hrs on 19.08.2023 due to Flame failure. Revision done from Block No. 57 on 19.08.2023	BgTPP Unit 2
21	GI-I	Assam	20-Aug-23 01:42	20-Aug-23 03:30	1:48	49	0	2%	0%	3113	2909	Kopili Unit 4 tripped at 01:42 Hrs on 20.08.2023 due to PRV main pipeline burst. Revision done from Block No. 15 on 20.08.2024	Kopili Unit 4
22	GI-I	Assam	24-Aug-23 17:11	24-Aug-23 19:00	1:49	49	0	2%	0%	3263	2728	Kopili Unit 4 tripped at 17:11 Hrs on 24.08.2023 due to Shear Pin Broken. Revision done from Block No. 77 on 24.08.2024	Kopili Unit 4