									Details o	f Grid Events d	luring the	Month of July 2023 in Northern Region	
SUN	Category of Grid Event	Affected Area	Time and Date of occurrence of	Time and Date of Restoration	Duration (HH-MM)		i / loss of load during rid Event	% Loss of generation Antecedent Genera Regional Grid durin	tion/Load in the	Antecedent Generati Regional G	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		(HHEMM)	Generation Loss(MW)	Load Loss (MW)	% Generation Loss(MW)	% Load Loss (MW)	Antecedent Generation (MW)	Antecedent Loa (MW)	a	
1	GI-2	Uttar Pradesh	01-Jul-2023 06:39	01-Jul-2023 10:34	3:55	0	0	0.000	0.000	45312	52864	I) 400/220K Barelly(UP) has double main transfer bus scheme at both 400KV & 220KV level. During antecedent condition, 400/220 KV 315 MVA KT 3 at Barelly(UP), 400 KV Barelly(UP), 400 KV Barelly(UP) KV Barelly(UP)-Barelly(UP)-Barelly(UP) (S) (FG) CK-1 and S0 MVAR Bus Reactor No 1 at 400KV Barelly(UP) were connected to 400KV Bus 1 at Barelly(UP) and rel of the elements were connected to 80 xVD. Bus 1 at Barelly(UP) and rel of the elements were connected to 80 xVD. Bus 1 at Barelly(UP) and rel of the elements were connected to 80 xVD. Bus 1 at Barelly(UP) trained were connected to 80 xVD. Bus 1 at 80 trained were connected to 80 xVD. Bus 1 at 80 trained were connected to 80 xVD. Bus 1 at 80 trained were connected to 80 xVD. Bus 1 at 80 trained were connected to 80 xVD. Bus 1 the attempt to 80 xVD. Bus 1 at 8 trained were connected to 80 xVD. Bus 1 at 8 trained were connected to 80 xVD. Bus 1 at 8 trained were connected to 80 xVD. Bus 1 at 8 trained were connected to 80 xVD. Bus 1 at 8 trained were connected to 80 xVD. Bus 1 at 8 trained were connected to 80 xVD. Bus 1 trained were connected to 80 xVD. Bus 1 at 8 trained were connected to 80 xVD. Bus 1 at 8 trained were connected to 80 xVD. Bus 1 at 8 trained were connected to 80 xVD. Bus 1 at 8 trained were connected to 80 xVD. Bus 1 at 8 trained were connected to 80 xVD. Bus 1 at 8 trained were connected to 80 xVD. Bus 1 at 8 trained were connected to 80 xVD. Bus 1 at 8 trained were connected to 80 xVD. Bus 1 at 8 trained were connected to 80 xVD. Bus 1 at 8 trained were connected to 80 xVD. Bus 1 at 8 trained were connected to 80 xVD. Bus 1 at 8 trained were connected to 80 xVD. Bus 1 at 8 trained were connected to 80 xVD. Bus 1 at 8 trained were connected to 80 xVD. Bus 1 at 8 trained were connected to 80 xVD. Bus 1 at 8 trained were connected to 80 xVD. Bus 1 at 8 trained were connected to 80 xVD. Bus 1 at 8 trained were connected to 80 xVD. Bus 1 at 8 trained were connected to 80 xVD. Bus 1 at 8 trained were connected to 80 xVD. Bus 1 at 8 trained were conn	1) 400K/ Bu 1 H Bavelly(UP) 2) 4002 20 V 315 MVA (CT 3 at Bavelly(UP) 3) 400 KV Bavelly UPA (UP) (Ct -1 4) 400 KV Bavelly(UP)-Bavelly(VG) (FG) (Ct -1 5) 80 MVAR Bus Reactor No 1 at 400KV Bavelly(UP)
2	Gi-1	Himachal Pradesh	01-Jul-2023 16:08	01-Jul-2023 16:14	0:06	0	150	0.000	0.236	54276	63555	(1 220/64V Uperlanangal (HP) has double main bus scheme at both 220V & 66V level. During antecedent condition, power was flowing through 220/64V 80/000W KT 14 2 at Uperlanangal(HP) to the feeders connected at 66V level of Uperlanangal(HP). J Ar report, at 1 at 660 hrs on 01 27.022 32.0666V 80/000W KT 14 uperlanangal(HP) topped on A Phase overcurrent earth fault (Ir=1.12A) on fault in 66V feeder. Due to this, 220/64V 80/000W AICT 2 at Uperlanangal(HP) also tripped due to overloading. This resulted in further unloading of feeders connected at 66V level and boal toos at Uperlanangal(HP) also tripped due to overloading. This resulted in further unloading of feeders connected at 66V level and boal toos at Uperlanangal(HP) also tripped due to overloading. This resulted in further unloading of feeders connected at 66V level and boal toos at 040W is observed in the system. HP has been communicated to share the DR/EL for confirmation of fault nature and location.	1) 220/66W 80/100WVA ICT-1 at Uperfamingal(HP) 2) 220/66W 80/100WVA ICT-2 at Uperfamingal(HP)
3	Gi-1	Delhi	03-Jul-2023 12:24	03-Jul-2023 12:32	0:08	0	245	0.000	0.349	62300	70281	I) During antecedent condition, 220W Bawana -Shalimarbagh Ckt. 1, 220W Shalimarbagh - Watripur Ckt. 1, 8 (I, 220W Shalimarbagh, 220W Shalimarbagh, 200W Shalimarba	1) 220 KV Bawana – Shalimarbagh (OTL) CK-1
4	GI-2	Himachal Pradesh	09-Jul-2023 10:28	09-Jul-2023 16:35	6:07	o	0	0.000	0.000	43993	47878	(1) During antecodent condition, 77MW unit-1.282 all were under shutdown due to high all ("900099M) condition since around 23:33 hrs of 08th July 2022. (3) Ar reported, due to heavy discharge in the river, land sile occurred and led to the collapsing of power no. 1 from Chamera-B and a 10:28 hrs. Collapsing of tower no.1 further resulted into collapsing of gastry of 220 Kr Chamera-3, 10(H)-Chamba/PG (PGC) Kr:1.6 2 at Chamera-3 and 2-20 hrs. Collapsing of gastry led to the damage of 22 accords. Or 03 nos. of lighteen garactors 8.0 no. Now ter tay at Chamera-3, 20(H) end. (ii) As reported, at the time, bus protection of 220 KP Sun-182 at Chamba/PG (poprated which led to the tripping of all the elements connected at 220kV died of Chamba/PD, cleakis of future 3 chamba/CPG and ere to be received. (v) As per SMU, B-4 halt with delayed charance in 560msc followed by Y-M fault which cleared within 100msc is observed. (v) As per SADA, no change in demand and load is observed.	1) 2201V Bus 1 at Chamba(PG) 2) 2201V Bus 2 at Chamba(PG) 3) 2201V Chamera, 2(NH)-Chamba(PG) (PG) Ctt-1 4) 2201V Chamera, 2(NH)-Chamba(PG) (PG) Ctt-2 5) 400/2201V 31VA (CT 1 at Chamba(PG) 6) 400/2201V 31S MVA (CT 2 at Chamba(PG) 7) 2201V Chamba(PG)-Sarian(HP) (HPSEB) Ctt-1
5	GD-1	Uttarakhand	14-Jul-2023 02:48	14-Jul⊧2023 05:16	2:28	108	35	0.232	0.058	46478	60431	(I) During antecedes condition. 33MW Unit 1, 2 and 3 at Singel Bhatvari HEP were generating approx. 36MW exh respectively. (I) A resported, at 1224 hrs, station transformer (33N/D, 4XY) which is connected on tertiary winding of 400/230 kt 315 MVA (CT 2 at Sringger(UK) damaged with heavy blad and hence (CT 2 arigned on differential protection operation. (II) The station (TF was placed under the 220 VS sing at Sringger(UK). Our to blas in station (TF, heavy arc developed and T/F oil spread on 220 VF Bus 1. (IF) Using the state mem. 220 VS sing at Sringger(UK). Due to blas in station (TF, heavy arc developed and T/F oil spread on 220 VF Bus 1. (IF) Using the state mem. 220 VS sing at Sringger(UK). Due to blas in station (TF, heavy arc developed and T/F oil spread on 220 VF Bus 1. (IF) Using the state mem. 220 VS sing at Sringger(UK). Due to blas the stranger(UK). Using at Sringger(UK). Using the stranger(UK) can be abla wave (Sing)(III) Using 1.2 and at Sringger(UK). (IF) Using the stranger (UK) damaged binavaris/Sing(III) Using 1.2 and 2.2 and	1) 220 KV Singoli Bhatwari(Singoli(TUH/P))-Srinagar(UK) (PTCUL) Ckt-1 2) 220 KV Singoli Bhatwari(Singoli(TUH/P))-Srinagar(UK) (PTCUL) Ckt-2 3) d00/220 V 33 SMV-1CT 14 Srinagar(UK) 4) d00/220 V 33 SMV-1CT 14 Srinagar(UK) 5) 33MV Unit-3 at Singoli Bhatwari HCP 6) 33MV Unit-3 at Singoli Bhatwari HCP 7) 33MW Unit-3 at Singoli Bhatwari HCP
6	GI-2	Rajasthan	18-Jul-2023 19:56	18-Jul-2023 22:37	2.41	O	O	0.000	0.000	58065	69404	() 400/220KV Bhadla(Ra)) has one and half breaker scheme at 400KV side and double main & transfer bus scheme at 220KV side. (i) Jouring antecedent condition, 400/220 KV 500 MVA ICT 18.3 at Bhadla(RS) were carrying "141MV each and 400/220 KV 500 MVA ICT 2 at Bhadla(RS) was not in service. (ii) A reported, at 19:50hrs, R-N phase to earth fault occurred on 400 KV Bhadla(RS)-Bhadla(PG) (PC) Cht 2. Fault was in 2.1 from Bhadla(RS) end and in 2.2 from Bhadla(RS) end to 10 https://dx.dbm.dbm.dbm.dbm.dbm.dbm.dbm.dbm.dbm.dbm	1) 400 KV Bhadai(IS)-Bhadai(IPG) (PG) Ckr-1 2) 400 KV BhadaiRS-Bhadai(IPG) (PG) Ckr-2 3) 400 KV BhadaiR-Rangarh (IS) Ckr-1 4) 400 KV BhadaiR-Rangarh (IS) Ckr-2

									Details o	f Grid Events d	luring the Month of July 2023 in Northern Region
	Category of Grid Event		Time and Date of occurrence of		Duration		a / loss of load during rid Event	% Loss of generation Antecedent Genera Regional Grid durin	tion/Load in the	Antecedent Generat Regional G	Grid*
SI No.	(GI 1or 2/ GD-1 to GD-5)	Affected Area	Grid Event	Time and Date of Restoration	(HH:MM)	Generation Loss(MW)	Load Loss (MW)	% Generation Loss(MW)	% Load Loss (MW)	Antecedent Generation (MW)	Bitef details of the event (pre fault and post fault system conditions) Elements Tripped Antercent Load (AWW)
7	GD-1	Rajasthan	20-Jul-2023 13:53	20-Jul-2023 15:29	1:36	2526	o	4.140	0.000	61013	 (1) On 20th July 2023 at 13:53 hrs, as reported, R-N phase to earth fault occurred on 220kV Bhadla/PG)- MRPL ckt, R-ph jumper snapped at tower location no. (3) On this duals (CB at Bhadla/PG) and The MRPL line (connected at 220kV lines 19) didn't open and therefore, LBB of MRPL kay, R-ph jumper snapped at tower location no. (3) On this duals (CB at Bhadla/PG) and 220kV lines 19) didn't open and therefore, LBB of MRPL kay, R-ph Jumper snapped at tower location no. (4) Do this duals (CG) and Bhadla/PG) and 220kV lines to BE stations i.e., MRPL GSPIL, ACME & MANDBA connected at 220 kV Bhadla/PG) and 220kV lines to BE stations i.e., MRPL GSPIL, ACME & MANDBA connected at 220 kV Bhadla/PG)-Mohos Solar/LAMIN (ACME) CK-1 (4) Z0 KV Bhadla/PG, PA base to earth fault with didged desances is observed. (4) A the same time, drop in Egeneration at R stations connected at other UST pooling station in Baymon, 270MV Ox dual to tripping of R Egeneration as approx. 270MV Ox dual to tripping of R Egeneration as approx. 270MV Ox dual to tripping of R Egeneration as approx. 270MV Ox dual to tripping of R Egeneration as approx. 270MV Ox dual to tripping of R Egeneration after 117/20MW RE generation recovered within 02 min of the event.
8	GD-1	Uttarakhand	23-Jul-2023 00:44	21-Jul-2023 01:50	1:06	108	30	0.200	0.040	54019	1) During antendent condition. 31MW Unit-1, 2 and 3 at Singoli Bhatwari (EP evere generating approx. 30MW each respectively. 11) As reported at 2004 https://doi.org/10.1111/0.1111111111111111111111111111
9	GD-1	Delhi	23-Jul-2023 20:21	23-si-2023 20:25	0.04	0	314	0.000	0.443	51817	 1) 220KV side of 400/220KV Mandola/PG) has double main & transfer bus scheme and 220/66/33KV Gopalpur(DTL) & 220/66KV Marcla has double main bus scheme. III) During antecedent condition, 400/220KV 500MVA ICT-4, 220KV feeders i.e., Gopalpur dk: 8. Narela kk: 9 were connected at 220KV bus-1 at Mandola/PG). III and 400/220KV 500MVA ICT-9, 125MVAr bus reactor-1, 220KV feeders i.e., Gopalpur dk: 8. Narela kk: 9 were connected at 220KV bus-1 at Mandola/PG. III and 400/220KV 500MVA ICT-9, 125MVAr bus reactor-1, 220KV feeders i.e., Gopalpur dk: 8. Narela kk: 9 were connected at 220KV bus-1 at Mandola/PG. III and 6 and 7220KV 600KV Sand 720KV 600KV schemes from and 220KV Marela 5/s was: connected through 220KV Mandola FG (1 at 220KV 600KV 60KV schemes from schemes from and 10KV 10KV 10KV schemes from schemes from and 10KV 10KV 10KV schemes from schemes fro
10	GD-1	Rajasthan	24-Jul-2023 03:29	24-Jul-2023 09:48	6:19	D	205	0.000	0.305	49195	 i) 220/132V/ Bhinsd(RS) has double main hus scheme at 220W side. ii) As reported, at 03:25hrs, 220/132V 150M/W ICT 1 Bhinsd(IS) Caught fire which created internal fault in the ICT and due to this LBB operated. Rajastinn has been alact to share the reason of LBB operation. iii) During this time; 220 of Whinsd(RS) (RS) (C4: 1 at Bhinsd(IS) (RS) (C4: 1 at B
11	GI-2	Haryana	25-Jul-2023 14:44	25-Jul-2023 18:00	3:16	0	190	0.000	0.258	54660	1) 200V side of 400/200V Side diabulgrahi(FG) has double main & transfer bus scheme. 1) As reported, at 54.21 km, sporting is observed in main & transfer bus scheme. 1) As reported, at 54.22 km, sporting is observed in the main & transfer bus scheme. 1) As reported, at 54.22 km, sporting is observed in the main & transfer bus scheme. 1) As reported, at 54.22 km, sporting is observed. 11 400/220 km Site at 84 hadrugrahi(FG) 2200V Site at 84 hadrugrahi(FG) 2200V Km Site at 84 hadrugrahi(FG
12	GD-1	Rajasthan	26-Jul-2023 09:23	26-Jul-2023 11:58	2:35	450	D	0.866	0.000	51973	 i) Total MW generation of Avaada Surce, Avaada RJHN and Avaada Sustainable are pooled at 400kV Avaada pooling and total generation is evacuated through 400 KV Avaada Pooling SL

									Details of	f Grid Events d	luring the N	fonth of July 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 (HH:MM)		n / loss of load during irid Event	% Loss of generation Antecedent Genera Regional Grid durin	tion/Load in the	Antecedent Generat Regional G	tion/Load in the Grid*	Brief details of the event (pre fault and post fault system conditions)	Elements Tripped
	(GI 1or 2/ GD-1 to GD-5)		Grid Event		(HH:MM)	Generation Loss(MW)	Load Loss (MW)	% Generation Loss(MW)	% Load Loss (MW)	Antecedent Generation (MW)	Antecedent Load (MW)		
13	GD-1	Uttar Pradesh	26-Jul-2023 04:46	26-Jul-2023 06:32	1:46	ō	430	0.000	0.712	46861	60382	() 400W side of 400/220/132kV Gr.Nolda(UP) has double main & transfer bus scheme. (i) 400W side of 400/220/132kV Gr.Nolda(UP) has double main & transfer bus scheme. (ii) 400W side of 400/220 kV 500 MVA ICT 5 & 6 at Gr.NoldA(UPC). (iii) A reported, at 0.4-86 hrs, B-ph conductor of 400W bus 1 at Gr.Nolda(UPC) broke and fell on Y-ph bay of 400 KV Dadri(NT)-Gr.Nolda(UPC) [PC] Ckt-1 which created Y & phase to phase fault at Bus 1. Due to this bus bar protection operated and elements to Bus 1 tripped. (ii) It is further reported That due to debug dependion that the scheme Character (iii) at a scheme fored during the same time. Eventually 400/220/132kV Gr.NoldA(UPC) Si became dead. (ii) A terp OR, 400 X Dadri(UT)-Gr.Nolda(UPC) (DR end) [PG] Ckt-1 tripped on Y-B phase to phase fault with fault currents of 16.57NA and 15.56kA respectively in Y and B phase To Dadrit (I)-Gr.Nolda(UPC) (DR end) [PG] Ckt-1 tripped on Y-B phase to phase fault with fault currents of 16.57NA and 15.56kA respectively in Y and B phase To Dadrit (I)-Gr.Nolda(UPC) (DR end) [PG] Ckt-1 tripped on Y-B phase to the scheme Character (I)-GR (I)	1) 400/20 W 315 WAN (C1 1 # G-Node(URC) 3) 400/20 W 315 WAN (C1 2 # G-Node(URC) 3) 400/20 W 315 WAN (C1 2 # G-Node(URC) 3) 400 W 20 which (CF Ande(URC) (CP) (C1 -1 5) 400 W Cr Ande(URC) (CP) (C1 -1 5) 400 W Cr Ande(URC) (CP) (C1 -1 6) 400 W Cr Ande(URC) (CP) (C1 -1 7) 400/22 W 500 WAN (C1 5 # G-Node(URC) 8) 400 W Cr Ande(URC) (CP) (C1 -1 9) 400/22 W 500 WAN (C1 5 # G-Node(URC) 9) 400/22 W 500 WAN (C1 5 # G-Node(URC) 10) 400 W 500 a 2 # G-Node(URC)
14	GI-1	Himachal Pradesh	26-Jul-2023 07:07	26-Jul-2023 09:11	2:04	O	125	0.000	0.229	47116	54598	I) 202/132W Majri (HP) has double main bus scheme at both 220KV & 132KV level. During antecedent condition, active power flowing through 220 KV Khodr(UH-VA)qr(HP) (UK) GA1. & 2 was 72MW each respectively. Ii) Ar sported, a COT hrs. 220 KV ModU(UM-Majr(HP) (UK) CL3. tripped on Y4 phase to phase fault. As per DB of Khodri end, Y-B phase to phase fault in Z with fault current of 3.42K ach respectively in Y and B phase and fault desrance time of 34mm is observed. Iii) During the same mice, 220 KV ModU(HA)ql(HP) (UK) CL3. To bit podd due to over-current protection operation (hy=1.959kA and tb=1.735kA) from Wajs end. Line tripped from Majri end only and remained charged from Khodri end. V) As per YAUL 34Mmanup(FG), Y=Bhase to phase fault will deslayed fault desrance time of 400mis is observed in the system. V) As per SXLADA, charge in demand of approx. 125MW is observed in HP control area.	1) 220 FV Khodri(UK)-Majr(HP) (UK) CK-1 2) 220 FV Khodri(UK)-Majr(HP) (UK) CK-2
15	GD-1	Uttar Pradesh	26-Jul-2023 05:30	26-Jul-2023 06:40	1:10	O	105	0.000	0.179	47234	58819	(1) 220W vide of 220/1332W Musaffarragar2(Nara)[UP] has main and transfer bus scheme. (ii) A reported, at 05:30 hrs. 220W Nara(UP)-RootkeqUB) (UP) Cit tripped from Roorkee end only on R-M fault. (iii) This fault was sensed by Nara(UP) end in 2-1 with Hault current of approx-4.8 k k and fault distance of 31.9 km. However, relay at Nara(UP) failed to initiate tripping command. (iv) Due to this, 220 KV Meerul(PO), Nara(UP) (PG) Cit (fault current 3.537M as per DR), 220KV Nara(UP)-Ansath(UP) Cit (fault distance 82.9 km from Nara) and 220KV Nara(UP) (Dit (fault current 2.537M has per DR), 220KV Nara(UP) Ansath(UP) Cit (fault distance 82.9 km from Nara) (iv) Due to this, 220 XV Meerul(PO) (Cit (fault current 3.517M has per DR), 220KV Nara(UP) Analt protection operation. (iv) Ouries phis. time, 220,137XV (2004M). Cit -1 at Nara(UP) Also tripped dam to over-current earth Mart protection operation. (iv) A per SCADA 220KV Nara(IP) (PC) (Cit (fault current 2.517 Las to over-current earth Subt protection operation. (iv) A per SCADA 220KV Nara(IP) (PS) (Cit (fault current 2.517 Las to over-current earth Subt protection operation. (iv) A per SCADA 220KV Nara(IP) (PS) (Cit (fault current 2.517 Las to over-current earth Subt protection operation. (iv) A per SCADA 220KV Nara(IP) (PS) (Cit (fault current 2.517 Las to over-current earth Subt protection operation. (iv) A per SCADA 220KV Nara(IP) (PS) (Cit (fault current 2.517 Las to over-current earth Subt protection operation. (iv) A per SCADA 220KV Nara(IP) (PS) (PS) (PS) (Cit Cit to over-current earth Subt protection operation. (iv) A per SCADA 220KV Nara(IP) (PS) (PS) (PS) (Cit Cit to over-current time of 1600 ms is observed. (iv) A separated PK), R a phase to earth fault with delayed fault clarance time of 1600 ms is observed. (iv) A separated PK), R and phase to earth fault with delayed fault clarance time of 1600 ms is observed.	1) 220IV Nara(UP)-Roonkee(UR) (UP) Oct 2) 220 VX Meeru(PG)-Yara(UP) (PG) Oct 2) 220V VAII/UP) MaanffUmagar(UP) Oct 4) 220V VAII/UP) MaanffUmagar(UP) Oct 9) 220(7) 220V 100MVA KC1-2 at Valid(UP)
16	Gi-1	Jammu and Kashmir	26-Jul-2023 14:19	26-Jul-2023 15:00	0:41	0	135	0.000	0.208	55367	64808	() (A reported, at 14:19 hrs, 220 KV Wagoora/PG)-Pampore(POD) (PG) (K-1 tripped on R-4 phase to earth fault with fault current of 1.18kA and fault distance of X57.4km from Wagoora/PG) end, fault was sensed in Zone-3 from Wagoora/PG). (i) At the same time, 220 KV Wagoora/PG)-Pampore(PDD) (PG) (At-2 also tripped from Pampore end only on over current protection operation. (ii) A per FMAL, Phase to phase fault with delynef fault desame time of 950ms is observed in system. (v) As per SOLOA, load loss of approx. 135WM occurred in J&K control area.	1) 220 KV Wagoora(PG)-Pampore(PDD) (PG) C4:-1 2) 220 KV Wagoora(PG)-Pampore(PDD) (PG) C4:-2
17	GI-2	Delhi	29-Jul-2023 12:26	29-Jul-2023 12:50	0:24	O	70	0.000	0.116	52986	60558	() () 400/220W Maharanibagh(DTI) has double main bus scheme at both 400W and 220W level. 220 kV Maharanibagh-todhi road (DTI) CK-18.2 were feeding the load of 220W Lodhi Road 5/k. (ii) As reported, at 12.26 hrs, 220 W Maharanibagh-todhi road (DTI) CK-1 Riz year feeding thabranibagh-end. Fault sensed in zone-1 at Maharanibagh-todhi (DTI) CK-1.8 los tripped during the same time (reason yet to be shared) (868 operated at Lodhi road end). (iv) As per 7MU at Maharanibagh-todhi (DTI) CK-1.8 los tripped during the same time (reason yet to be shared) (868 operated at Lodhi road end). (iv) As per 7MU at Maharanibagh-todhi (DTI) CK-1.8 los tripped during the same time (reason yet to be shared) (868 operated at Lodhi road end). (iv) As per 7MU at Maharanibagh-todhi (DTI) CK-1.8 los tripped during the same time (reason yet to be shared) (868 operated at Lodhi road end). (iv) As per 7MU at Maharanibagh-todhi (DTI) CK-1.8 los tripped during the same time (reason yet to be shared) (868 operated at Lodhi road end). (iv) As per 5MU at Maharanibagh-todhi (DTI) CK-1.8 los tripped during the same time (reason yet to be shared) (808 operated at Lodhi road end). (iv) As per 5MU at Maharanibagh-todhi (DTI) CK-1.8 los tripped during the same disconse to the shared (808 operated at Lodhi road end). (iv) As per 5MU at Maharanibagh-todhi (DTI) CK-1.8 los tripped during the same disconse tripped todhi (DTI) CK-1.8 los	1) 220 VV Maharanibagh-Lodhi Road (DTL) CK-1 2) 220 VV Maharanibagh-Lodhi Road (DTL) CK-2
18	GD-1	Rajasthan	31-kul-2023 10:36	31-Jul-2023 22:39	12:03	1620	0	2.639	0.000	61385	68548	(J On 31st July, 2023, at 10:36:11:200 hns, B-ph jumper at RSUPL end of 2208V Fatehgarh2-RSUPL kt snapped at tower location no. 10 at distance "18bm from RSUPL end. II) On this fault, Ape DR of both the ends, line successfully auto reclosed from both ends. However after approx. 750mesc of A/R operation, line tripped from RSUPL end on under Valage protection. Say DR has been communicated to disable thru under voltage protection. Say Birl Association (J in the tripped from RSUPL end on under Valage protection. Say DR has been communicated to disable thru under voltage protection. Say Birl Association (J in the ends. III) At 10:36:11:38 DNs, R H fault occurred on 2204V Fatehgarh2-RJIPL ctA. Ay er DR do both the ends, line successfully autoreclosed from both ends. V) A top H and Ling Interprint, and the stations connected at other ISS pooling diation in Rajasithan RC complex also occurred on LVTR (triggered due to bh & R A H and III in the system). IN the BA R A H and III in the system.	

							Details	of Grid E	vents du	ring the Mon	th of Ju	ly 2023 in Western Region	🚺 गिड-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	ration / loss of he Grid Event	% Loss of gene load w.r.t A Generation/ Regional Gri Grid I	Antecedent Load in the d during the Event	Antecedent Genera the Regional		Brief details of the event (pre fault and post fault system conditions)	Elements Tripped
	(GI 1or 2/ GD-1 to GD-5)					Generation Loss(MW)	Load Loss (MW)	% Generation Loss(MW)	% Load Loss (MW)	Antecedent Generation (MW)	Antecedent Load (MW)		
1	GD-1	WR	01-Jul-23 01:19	01-Jul-23 03:49	2:30	145.2	-	0.002	-	58756	48315	At 01:19 Hrs / 01-07-2023, 220 kV Bachau-Ostro 1 & 2 tripped due to blast of Yph LA of 33kV feeder 1. Generation loss of 145.2 MW occurred at 220 kV Ostro (Renew Power) wind power plant due to loss of evacuation path.	Tripping of 1. 220 kV Bachau-Ostro 1 & 2
2	GD-1	WR	04-Jul-23 20:09	05-Jul-23 12:33	16:24	20	-	0.000	-	69871	57616	At 20:09 Hrs / 04-07 -2023, 220 kV Bhuj-Kotda Madh tripped on B phase to earth fault. During patrolling, a rope was found hanging on B phase conductor which came in induction zone and line tripped. Generation loss of 20 MW occurred at 220 kV Kotda Madh (Alfanar) wind power plant due to the event.	Tripping of 1. 220 kV Bhuj-Kotda Madh
3	GD-1	WR	07-Jul-23 19:22	07-Jul-23 20:55	1:33	53	-	0.001	-	67942	55110	At 19:22 Hrs / 07-07-2023, 220 kV Bhuj-Vadva tripped on Y phase to earth fault at Vadva end only and A/R successfully at Bhuj end. Generation loss of 53 MW occurred at 220 kV Vadva (GIWEL) wind power plant due to the event.	Tripping of 1. 220 kV Bhuj- Vadva
4	GD-1	WR	09-Jul-23 20:54	09-Jul-23 22:10	1:16	-	197	-	0.004	66624	51197	At 20:54 Hrs/09-07-2023, 220 kV Magarwada Buses 1&2 tripped on Y-B phase fault on BB protection operation due to earth wire snapped and came in induction zone of 220 kV Magarwada Buses 1&2. Load loss of 197 MW occurred due to the event.	Tripping of 1. 220 kV Magarwada- Magarwada(PG) 1&2 2. 220 kV Magarwada- Vapi(PG) 1&2 3. 220 kV /66 kV Magarwada ICTs 1,2,3&4
5	GD-1	WR	12-Jul-23 05:03	13-Jul-23 16:22	11:19	31	-	0.000	-	63296	50634	At 05:03 Hrs/12-07-2023, 220 kV Jamkhambaliya- Sidhpur tripped on B-E fault. Generation loss of 31 MW occurred at 220 kV Sidhpur (Torrent) wind power plant due to loss of evacuation path. During patrolling, insiulator flashover was found at location 31/04 and after replacement of insulator also line did not hold. On more insulator flashover found at location 34/00. Line charged after replacement of the insulator.	Tripping of 1. 220 kV Jhamkhambaliya- Sidhpur
6	GD-1	WR	13-Jul-23 01:49	13-Jul-23 02:50	1:01	960	-	0.015	-	65842	52759	At 01:49 Hrs/13-07-2023, While test charging 400 kV MEL- Bilaspur 2 from MEL end, 400 kV Bilaspur-MEL 1 tripped on Over Voltage protection operation from Bilaspur end. Prior to the event, 400 kV MEL- Bilaspur 2 tripped on B-E fault at 00:05 Hrs/13-07-2023. Generation loss of 960 MW at 400 kV MEL due to loss of evacuation path.	Tripping of 1. 400 kV MEL- Bilaspur 1&2

							Details	of Grid E	vents du	ring the Mon	th of Ju	ly 2023 in Western 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 gener load during t	ration / loss of he Grid Event	% Loss of gene load w.r.t A Generation/ Regional Grid Grid I	intecedent Load in the d during the	Antecedent General 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)		
7	GD-1	WR	14-Jul-23 20:07	15-Jul-23 01:25	5:18	47	-	0.001	-	72228	56810	At 20:07 Hrs / 14-07 -2023, 220 kV Bhuj-Kotda Madh tripped on B-E fault. During patrolling, foreign material was found hanging on B phase conductor. Generation loss of 47 MW occurred at 220 kV Kotda Madh (Alfanar) wind power plant due to loss of evacuation path.	Tripping of 1. 220 kV Bhuj-Kotda Madh
8	GD-1	WR	15-Jul-23 16:47	15-Jul-23 22:05	5:18	205	-	0.003	-	68878	54677	At 16:47 Hrs / 15-07 -2023, 220 kV Bhuj- Dayapar 2 tripped on R-Y phase fault. Durring patrolling, R phase jumper open at Tower No. 154. Generation loss of 205 MW occurred at 220 kV Dayapar (INOX) wind power plant due to loss of evacuation path.	Tripping of 1. 220 kV Bhuj- Dayapar 2
9	GD-1	WR	18-Jul-23 17:10	18-Jul-23 21:40	4:30	54	-	0.001	-	63848	55106	At 17:10 Hrs/18-07-2023, 220 kV Bhuj-Kotda Madh tripped on B-E fault. Generation loss of 54 MW occurred at 220 kV Kotda Madh (Alfanar) wind power plant due to loss of evacuation path.	Tripping of 1. 220 kV Bhuj-Kotda Madh
10	GD-1	WR	20-Jul-23 02:04	20-Jul-23 02:55	0:51	720	-	0.012	-	61747	50037	At 02:04 Hrs / 20-07-2023, 400 kV Hadala-Vadinar-1 tripped on R-E fault. At the same time 400 kV Hadala-Vadinar-2 tripped on R-Y phase to phase fault on Zone-1 protection operation at Vadinar end only due to over-reach (As fault was on Line -1). Due to these trippings Vadinar (EPGL-Essar Power Gujarat Limited) units 1 & 2 (600 MW each) tripped due to loss of evacuation path, leading to blackout of Vadinar substation. Generation loss of 720 MW occurred at Vadinar (EPGL)	Tripping of 1. 400 kV Hadala-Vadinar-1 & 2 2. Vadinar-Unit-1 & 2 (600 MW) 3. 400 kV Vadinar-Bus-1 & 2
11	GD-1	WR	20-Jul-23 20:15	20-Jul-23 20:55	0:40	615	-	0.009	-	71890	55647	At 20:15 Hrs / 20-07-2023, while charging of 400 kV Hadala-Vadinar-1, 400 kV Hadala-Vadinar-2 tripped on R-Y phase to phase fault, Zone-1 operation. Due to this tripping Vadinar (EPGL-Essar Power Gujarat Limited) units 1 & 2 (600 MW each) tripped due to loss of evacuation path, leading to blackout of Vadinar substation. Generation loss of 615 MW occurred at Vadinar (EPGL) power station.	Tripping of 1. 400 kV Hadala-Vadinar-2 2. Vadinar-Unit-1 & 2 (600 MW) 3. 400 kV Vadinar-Bus-1 & 2
12	GI-1	WR	22-Jul-23 15:43	22-Jul-23 20:04	4:21	3	-	0.000	-	61445	52186	At 15:43 Hrs / 22-07-2023, 220/33 kV Ramnagar Pahad ICT-1, 2 & 3 tripped from LV side on REF trip. At the time of these trippings heavy rains and lightning were reported by site. Generation loss of 3 MW occurred at 220 kV Ramnagar Pahad (Mahindra) solar plant due to the event.	Tripping of 1. 220/33 kV Ramnagar Pahad ICT-1, 2 & 3
13	GD-1	WR	26-Jul-23 19:38	26-Jul-23 20:50	1:12	70	-	0.001	-	69489	57913	At 19:38 Hrs./26-07-2023, 220 kV Jamkhambaliya-Khakarda line tripped from Khakarda end only on df/dt protection operation. As informed by AEPL, df/dt protection disabled at Khakarda end. Generation loss of 70 MW occurred at 220 kV Khakarda (AEPL) wind power plant due to loss of evacuation path.	Tripping of 1. 220 kV Jamkhambaliya- Khakarda
14	GD-1	WR	27-Jul-23 19:05	27-Jul-23 20:24	1:19	180	-	0.003	-	67375	56097	At 19:05 Hrs/27-07-2023, While FTC of 220/33 kV Dayapar ICT 4 from 220 kV side, 220 kV Bhuj- Dayapar-2 tripped from Dayapar end only on under voltage protection operation. Generation loss of 180 MW occurred at 220 kV Dayapar(INOX) wind power plant due to loss of evacuation path.	Tripping of 1. 220 kV Bhuj- Dayapar
15	GD-1	WR	28-Jul-23 09:44	28-Jul-23 11:18	1:34	250	-	0.004	-	64590	55795	At 09:44 Hrs/28-07-2023, 220 kV Bhuj- Naranpar tripped on B-E fault. Generation loss of 250 MW occurred at 220 kV Naranpar(GIWEL) wind power plant due to loss of evacuation path.	Tripping of 1. 220 kV Bhuj- Naranpar

								Details o	of Grid Ev	ents during t	ne Month	of July 2023 in Southern Region
Sl 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 G		% Loss of gene load w.r.t A Generation/Load Grid during th	Intecedent	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	Tamil Nadu	02-Jul-23 13:07	02-Jul-23 14:04	57mins	504	0	1.05%	0.00%	48020	49300	Complete Outage of 230kV NCTPS Stage-1 Generating Station of TANGEDCO: As per the reports submitted, the triggering incident was tripping of 230kV NCTPS ETPS line and 230kV NCTPS Kilapuk line on faults at 13:07hrs and 13:09hrs respectively. Tripping of these lines led to tripping of NCTPS Unit-1,2 & 3 on over-frequency protection. This led to a complete outage of the 230kV NCTPS Stage-1 Generating Station.
2	GD-1	Karnataka	27-Jul-23 09:41	27-Jul-23 10:09	28mins	0	98	0.00%	0.24%	42616	41205	Complete Outage of 220kV/110kV Ambewadi SS of KPTCL: Duirng antecedent conditions, all 220kV elements were connected to 220kV 8us-1 at 220kV/110kV Ambewadi SS. As per the reports submitted, the triggering incident was 8-N 1. 220kV/110kV Ambewadi Transformer-1,2&3 fault in 220kV Nagiher1 Ambewadi line-2 and the line tripped. Because of this, 220kV Ambewadi Nagheri Ine-1 got 2. 220kV Nagiher1 Ambewadi Line-1&2 overloaded and caused the 8-phase bus jumper connected to the line to fail. This resulted in a B-phase bus fault causing 3. 220kV Ambewadi Nare-1&2 BBP to operate and all the elements connected to the 220kV Bus tripped. This led to a complete outage of 4. 220kV Ambewadi Ponda Line-1&2 220kV/110kV Ambewadi SS.
3	GD-1	Telangana	27-Jul-23 16:10	27-Jul-23 21:27	5hrs 17mins	0	0	0.00%	0.00%	42297	40176	Complete Outage of 220kV/11kV BG Kothur LIS SS of TSTRANSCO: As per the reports submitted, the triggering incident was tripping of all 220kV connected lines at 220kV/11kV BG Kothur LIS SS on CTD operation due to DC supply failure. This resulted in complete outage of 220kV/11kV BG Kothur LIS SS.
4	GI-2	Andhra Pradesh	03-Jul-23 17:37	03-Jul-23 18:33	54 mins	0	0	0.00%	0.00%	43575	45632	Tripping of 400kV Bus-1 of 400kV Hinduja Generating station: As per the reports submitted, the triggering incident was B-N fault in 400kV Guddigudem Hinduja line-1. At Hinduja end, the main breaker failed to open causing LBB to operate and all the main breakers connected to 400kV Bus-1 tripped.
5	GI-1	Telangana	06-Jul-23 00:34	06-Jul-23 01:27	53 mins	0	0	0.00%	0.00%	40442	39752	Tripping of 220kV Bus-2 of 220kV Upper Jurala PH of TSGENCO: During antecedent conditions, there was no generation at 220kV Upper Jurala PH. As per the reports submitted, the triggering incident was R-N fault in 220kV Jurala 1. 220kV Jurala Raichur_KA Line-2 Raichur_KA Line-2. At the same time, the Bus Coupler tripped on over current protection. Tripping of only connected line and bus coupler resulted in de-energization of 220kV Bus-2 at 220kV Upper Jurala PH.
6	GI-2	Andhra Pradesh	11-Jul-23 19:54	11-Jul-23 23:00	3hrs 6mins	0	0	0.00%	0.00%	43527	44793	Tripping of 400kV Bus-3 and Bus-4 of 400kV/220kV Kalpakka SS of APTRANSCO: As per the reports submitted, the triggering incident was R-phase CT failure in Bus coupler-2 bay of 400kV/220kV Kalpakka SS. Immediately, 400kV Bus-3 and Bus-4 BBP operated and all the elements connected to the Bus-3 and Bus-4 tripped.
7	GI-2	Tamil Nadu	27-Jul-23 07:12	27-Jul-23 09:46	2hr 34mins	0	0	0.00%	0.00%	37555	38621	Tripping of 400kV Bus-1 of 400kV/230kV/110kV Alamathy SS of TANTRANSCO: 400kV/230kV/110kV Alamathy SS is operating with one and half breaker scheme at 400kV level. As per the reports submitted, the triggering incident was bus-side B-phase CT failure in 400kV/230kV/120kV/120kV/120kV/120kV Alamathy SS. Immediately, 400kV Bus-1 BBP 1. 400kV/230kV ICT-5 at Alamathy operated and the main breakers connected to the 400kV Bus-1 tripped. This resulted in de-energisation of 400kV Bus-1 of 400kV/230kV/110kV Alamathy SS.

						Deta	ails of (Grid Eve	nts durin	g the Montl	ı of July	2023 in Eastern Region	ि जिड-इंडिया GRID-INDIA
SI N	Category of Grid Event	Affected Area	Time and Date of occurrence of Grid Event	Time and Date of Restoration	Duration (HH:MM)	Loss of gene of load duri Eve	ng the Grid	of load w.r. Generation Regional Gr	eneration / loss t Antecedent d/Load in the d during the Event	Antecedent Gener the Regions		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	GI-2	Farakka (FSTPP)	01.07.2023 02:17	01.07.2023 05:28	03:11	1420	0	4.61%	0.00%	30802	22584		3*200 MW Unit at FSTPP 2*500 MW Unit at FSTPP
2	GI-2	GMR (Odisha)	31.07.2023 16:29	01.08.2023 16:40	24:11	262	0	0.93%	0.00%	28268	26624		

						D	etails of Grid	Events dur	ing the Month	of July 20	023 in North	Eastern Region	🚺 गिड-इंडिया GRID-INDIA
	Category of Grid Event		Time and Date of			Loss of gene	ration / loss of load he Grid Event		tion / loss of load w.r.t neration/Load in the		neration/Load in the ional Grid		
SI No.	(GI 1or 2/ GD-1 to GD-5)	Affected Area	occurrence of Grid Event	Time and Date of Restoration	Duration (HH:MM:SS)	Generation Loss(MW)	Load Loss (MW)	% Generation Loss(MW)	% Load Loss (MW)	Antecedent Generation (MW)	Antecedent Load (MW)	Brief details of the event (pre fault and post fault system conditions)	Elements Tripped
1	GD 1	New Umtru Generating Station of Meghalaya Power System	03-Jul-23 14:46	03-Jul-23 14:53	0:07:00	20	o	0.69%	0.00%	2898	2447	New Umtru Generating Station of Meghalaya Power System was connected with the rest of NER Grid through 132 kV EPIP II - New Umtru and 132 kV Umtru - New Umtru lines. At 14-66 Hrs on 03.07.2023, 132 kV EPIP II - New Umtru and 132 kV Umtru - New Umtru lines tripped. Due to tripping of these elements, New Umtru Generating Station of Meghalaya Power System got separated from NER Grid and subsequently collapsed due to loss of evacuation path. Power supply was extended to New Umtru Generating Station of Meghalaya Power System by charging 132 kV EPIP II - New Umtru line at 14-53 Hrs on 03.07.2023.	132 KV EPIP II - New Umtru and 132 KV Umtru - New Umtru lines.
2	GD 1	Sarupathar and Bokajan areas of Assam Power System	04-Jul-23 10:00	04-Jul-23 10:20	0:20:00	0	24	0.00%	0.90%	2404	2661	Sarupathar and Bokajan areas of Assam Power System were connected with rest of NER grid through 132 kV Sarupathar -Golaghat line. 132 kV Bokajan - Dimapur(PG) line was under planned shutdown prior to event. At 10:00 Hrs on 04.07.2023, 132 kV Sarupathar - Golaghat line tripped. Due to tripping of this element, Sarupathar and Bokajan areas of Assam Power System got separated from rest of NER Grid and subsequently collapsed due to no source available in these areas. Power supply was extended to Sarupathar and Bokajan areas of Assam Power System by charging 132 kV Sarupathar - Golaghat line at 10:20 Hrs on 04.07.2023.	132 KV Sarupathar - Golaghat line
3	GD 1	Sarupathar and Bokajan areas of Assam Power System	04-Jul-23 10:48	04-Jul-23 11:17	0:29:00	0	22	0.00%	0.84%	2340	2608	Sarupathar and Bokajan areas of Assam Power System were connected with rest of NER grid through 132 kV Sarupathar -Golaghat line: 132 kV Bokajan - Dimapur(PG) line was under planned shutdown prior to event. At 10:48 Hrs on 04.07.2023, 132 kV Sarupathar - Golaghat line tripped. Due to tripping of this element, Sarupathar and Bokajan areas of Assam Power System got separated from rest of NER Grid and subsequently collapsed due to no source available in these areas. Power supply was extended to Sarupathar and Bokajan areas of Assam Power System by charging 132 kV Dimapur (PG) - Bokajan line at 11:17 Hrs on 04.07.2023.	132 kV Sarupathar - Golaghat line
4	GD 1	Margherita(Ledo), Rupai, Chapakhowa areas of AssamPower System and Roing, Tezu, Namsai, Pasighat, Along, Daporijo and Ziro areas of Arunachal Pradesh Power System	04-jul-23 18:32	04-Jul-23 20:47	2:15:00	0	72	0.00%	2.41%	2781	2987	Margherita(Ledo), Rupai, Chapakhowa areas of Assam Power System and Roing, Tezu, Namsai, Pasighat, Along, Daporijo and Ziro areas of Arunachal Pradesh Power System were connected with rest of NEB grid through 132 kV Tinsukia - Margherita(Ledo) line. 132kV Ranganadi - Ziro and 132 kV Tinsukia - Rupai lines were under outage prior to event. At 18:32 Hrs on 04.07.2023, 132 kV Tinsukia - Margherita(Ledo) line tripped. Due to tripping of this element, Margherita(Ledo), Rupai, Chapakhowa areas of Assam Power System and Roing, Tezu, Namsai, Pasighat, Along, Daporijo and Ziro areas of Arunachal Pradesh Power System got separated from rest of NER Grid and subsequently collapsed due to no source available in these areas. Power supply was extended to Roing, Tezu, Namsai, Pasighat, Along, Daporijo and Ziro by charging 132 kV Ziro - Ranganai line at 2034 Ths on 04.07.2023. Power supply was extended to Margherita(Ledo), Rupai, Chapakhowa areas of Assam Power System a 132 kV Tinsukia - Margherita(Ledo) line at 23:16 Hrs on 04.07.2023.	132 KV Tinsukia - Margherita(Ledo) line
5	GD 1	Tuirial Generating Station of Mizoram Power System	05-Jul-23 18:05	05-Jul-23 18:17	0:12:00	18	0	0.68%	0.00%	2639	3043	Tuirial Generating Station of Mizoram Power System was connected with the rest of NER Grid through 132 kV Tuirial-Kolasib line. At 18:05 Hrs on 05.07.2023, 132 kV Tuirial-Kolasib line tripped. Due to tripping of this element, Tuirial Generating Station of Mizoram Power System got separated from rest of NER Grid and subsequently collapsed due to loss of evacuation path. Power supply was extended to Tuirial Generating Station of Mizoram Power System by charging 132 kV Tuirial-Kolasib line at 18:17 Hrs on 05.07.2023	132 kV Tuirial-Kolasib line
6	GD 1	Tuirial Generating Station of Mizoram Power System	06-Jul-23 16:10	06-Jul-23 16:20	0:10	18	0	1%	0%	2203	2794	Tuirial Generating Station of Mizoram Power System was connected with the rest of NER Grid through 132 KV Tuirial-Kolasib line. At 16:10 Hrs on 06:07.2023, 132 KV Tuirial-Kolasib line tripped. Due to tripping of this element, Tuirial Generating Station of Mizoram Power System got separated from rest of NER Grid and subsequently collapsed due to loss of evacuation path. Power supply was extended to Tuirial Generating Station of Mizoram Power System by charging 132 kV Tuirial-Kolasib line at 16:20 Hrs on 06:07.2023	132 KV Tuirial-Kolasib line

						<u>D</u>	etails of Grid	l Events dur	ing the Montl	n of July 20	023 in North I	Castern Region	👔 ग्रिड-इंडिया GRID-INDIA
	Category of Grid Event	1	Time and Date of			Loss of gener during f	ation / loss of load he Grid Event		tion / loss of load w.r.t neration/Load in the		eneration/Load in the zional Grid		
l No.	(GI 1or 2/ GD-1 to GD-5)	Affected Area	occurrence of Grid Event	Time and Date of Restoration	Duration (HH:MM:SS)	Generation Loss(MW)	Load Loss (MW)	% Generation Loss(MW)	% Load Loss (MW)	Antecedent Generation (MW)	Antecedent Load (MW)	Brief details of the event (pre fault and post fault system conditions)	Elements Tripped
7	GD 1	Pasighat, Roing, Tezu & Namsai areas of Arunchal Pradesh Power System and Chapakhowa area of Assam Power System	14-Jul-23 13:20	14-Jul-23 13:29	0:09	0	19	0%	1%	2613	2607	Pasighat, Roing, Tezu & Namsai areas of Arunchal Pradesh Power System and Chapakhowa area of Assam Power System were connected with rest of NER grid through 132 kV Along-Pasighat and 132 kV Rupai- Chapakhowa lines. At 13:20 Hrs on 14.07.2023, 132 kV Along-Pasighat and 132 kV Rupai-Chapakhowa lines tripped. Due to tripping of these elements, Pasighat, Roing, Tezu & Namsai areas of Arunchal Pradesh Power System and Chapakhowa are of Assam Power System os to-garated from the rest of NER Grid and subsequently collapsed due to no source available in these areas.	132 kV Along-Pasighat and 132 kV Rupai- Chapakhowa lines
												Power supply was extended to Pasighat, Roing, Tezu & Namsai areas of Arunchal Pradesh Power System and Chapakhowa area of Assam Power System by charging 132 kV Rupai-Chapakhowa Line at 13:29 Hrs on 14.07.2023.	
												Karbi Langpi Generating Station of Assam Power System was connected with the rest of NER Grid through 220 kV Sarusajai-Karbi Langpi 1 line. 220 kV Sarusajai-Karbi Langpi 2 line was under planned shutdown since 08:52 Hrs on 15:07.2023 for maintenance of Isolator.	
8	GD 1	Karbi Langpi Generating Station of Assam Power System	15-Jul-23 10:33	15-Jul-23 10:47	0:14:00	50	0	1.74%	0.00%	2875	2764	At 10:46 Hrs on 15.07.2023, 220 kV Sarusajai-Karbi Langpi 1 line tripped. Due to tripping of this element, Karbi Langpi Generating Station of Assam Power System got separated from rest of NER Grid and subsequently collapsed due to loss of evacuation path.	220 kV Sarusajai-Karbi Langpi 1 line
												Power supply was extended to Karbi Langpi Generating Station of Assam Power System by charging 220 kV Sarusajai-Karbi Langpi 1 line at 10:47 Hrs on 15.07.2023	
												Meluri & Kiphire areas of Nagaland Power System were connected with rest of grid through 132 kV Kohima- Meluri line.	
9	GD 1	Meluri & Kiphire areas of Nagaland Power System	18-Jul-23 17:13	18-Jul-23 17:54	0:41:00	16	9	0.47%	0.32%	3381	2808	At 17:13 Hrs on 18.07.2023, 132 kV Kohima-Meluri line tripped. Due to tripping of this element, Meluri & Kiphire areas of Nagaland Power System got separated from rest of NER Grid and subsequently collapsed due to load generation mismatch in these areas.	132 kV Kohima-Meluri line
												132 kV Kohima-Meluri line was declared faulty at 17:54 Hrs on 18.07.2023. Power supply was extended to Meluri & Kiphire areas of Nagaland Power System by charging 132 kV Kohima-Meluri line at 11:40 Hrs on 19.07.2023.	
												K Arbbi Langpi Generating Station of Assam Power System was connected with the rest of NER Grid through 220 kV Sarusajai-Karbi Langpi 1 line. 220 kV Sarusajai-Karbi Langpi 2 line was under state approved shutdowr from 06:58 Hrs on 18.07.2023.	
10	GD 1	Karbi Langpi Generating Station of Assam Power System	18-Jul-23 10:46	18-Jul-23 11:17	0:31:00	50	0	1.75%	0.00%	2850	2478	At 10:46 Hrs on 18.07 2023, 220 kV Sarusajai-Karbi Langpi 1 line tripped. Due to tripping of this element, Karbi Langpi Generating Station of Assam Power System got separated from rest of NER Grid and subsequently collapsed due to loss of evacuation path.	220 kV Sarusajai-Karbi Langpi 1 line
												Power supply was extended to Karbi Langpi Generating Station of Assam Power System by charging 220 kV Sarusajai-Karbi Langpi 1 line at 11:17 Hrs on 18.07.2023	
												Nirjuli area of Arunachal Pradesh Power System was connected with rest of NER Grid through 132 kV Lekhi - Nirjuli line. 132 kV Gohpur - Nirjuli line was under shutdown to avoid over loading of 132 kV Itanagar - Lekhi line	
11	GD 1	Nirjuli area of Arunachal Pradesh Power System	20-Jul-23 14:03	20-Jul-23 14:57	0:54:00	0	23	0.00%	0.75%	2867	3055	At 14:03 Hrs on 20.07.2023, 132 kV Lekhi - Nirjuli line tripped. Due to tripping of this element, Nirjuli area of Arunachal Pradesh Power System got separated from rest of NER Grid and subsequently collapsed due to no source available in this area.	132kV Lekhi - Nirjuli line
												Power supply was extended to Nirjuli area of Arunachal Pradesh Power System by charging 132 kV Lekhi - Nirjuli line at 14:57 Hrs on 20.07.2023.	
												Karong area of Manipur Power System was connected with the rest of NER Grid through 132 kV Imphal (MSPCL) - Karong & 132 kV Karong - Kohima lines.	
12	GD 1	Karong area of Manipur Power System	22-Jul-23 09:31	22-Jul-23 10:03	0:32	0	12	0%	0%	2798	2627	At 09:31 Hrs on 22.07.2023, 132 kV Imphal (MSPCL) - Karong & 132 kV Karong - Kohima lines tripped. Due to tripping of these elements, Karong area of Manipur Power System got separated from rest of NER Grid and subsequently collapsed due to no source available in this area.	132 kV Imphal (MSPCL) - Karong & 132 kV Karong - Kohima lines
												Power supply was extended to Karong area of Manipur Power System by charging 132 kV Imphal (MSPCL) - Karong line at 10:03 Hrs on 22.07.2023	

						D	etails of Grid	Events dur	ing the Month	n of July 20)23 in North I	Castern Region	📢 ग्रिड-इंडिया GRID-INDIA
	Category of Grid		Time and Date of			Loss of gene	ration / loss of load he Grid Event	% Loss of generat	tion / loss of load w.r.t eration/Load in the		eneration/Load in the		
Sl No.	Event (GI 1or 2/ GD-1 to GD-5)	Affected Area	occurrence of Grid Event	Time and Date of Restoration	Duration (HH:MM:SS)	Generation Loss(MW)	Load Loss (MW)	Matteredient Gen % Generation Loss(MW)	% Load Loss (MW)	Antecedent Generation (MW)	ional Grid Antecedent Load (MW)	Brief details of the event (pre fault and post fault system conditions)	Elements Tripped
13	GD 1	Tenga, Khupi areas and Dikshi HEP of Arunachal Pradesh Power System	22-Jul-23 19:07	22-Jul-23 19:46	0:39	27	36	1%	1%	3273	3182	Tenga, Khupi areas and Dikshi HEP of Arunachal Pradesh Power System were connected with rest of NER grid through 132 kV Balipara- Tenga line. At 19:07 Hrs on 22.07.2023, 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 rest of NER Grid and subsequently collapsed due to load generation mismatch in these areas. 132 kV Balipara-Tenga line was declared faulty at 19:46 Hrs on 22.07.2023. Power supply was extended to Tenga, Khupi areas and Dikshi HEP of Arunachal Pradesh Power System by charging 132 kV Balipara- Tenga line at 13:51 Hrs on 23.07.2023.	132 kV Balipara- Tenga line
14	GD 1	Lunshnong area of Meghalaya Power System	23-Jul-23 10:40	23-Jul-23 12:10	1:30	0	30	0%	1%	2799	2227	Lunshnong area of Meghalaya Power System was connected with rest of NER grid through 132 kV Khleihriat- Lunshnong line: 132 kV Lunshnong-Panchgram line tripped at 08:36 Hrs on 23.07.2023 and was declared faulty. At 10:40 Hrs on 23.07.2023, 132 kV Khleihriat-Lunshnong line tripped. Due to tripping of this element, Lunshnong area of Meghalaya Power System got separated from rest of the NER Grid and subsequently collapsed due to no source available in this area. Power supply was extended to Lunshnong area of Meghalaya Power System by charging 132 kV Khleihriat- Lunshnong area to 12:0 Hrs on 23.07.2023.	132 kV Khleihriat-Lumshnong line
15	GD 1	Tenga, Khupi areas and Dikshi HEP of Arunachai Pradesh Power System	23-Jul-23 18:04	23-Jul-23 18:35	0:31	17	22	1%	1%	3178	2618	Tenga, Khupi areas and Dikshi HEP of Arunachal Pradesh Power System were connected with rest of NER grid through 132 kV Balipara- Tenga line. At 18:04 Hrs on 23.07.2023, 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 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 18:35 Hrs on 23.07.2023.	132 KV Balipara- Tenga line
16	GD 1	Umtru and New Umtru Power Stations of Meghalaya Power System	23-Jul-23 20:38	23-Jul-23 20:46	0:08	36	0	1%	0%	3586	3142	Umtru and New Umtru Power Stations of Meghalaya Power System were connected with rest of NER grid through 132 kV Killing - EPIP II D/C, 132 kV EPIP II - Umtru D/C, 132 kV EPIP II - New Umtru , 132 kV Umtru - Umiam IV D/C, 132 kV Umtru - Umiam III D/C, 132 kV Umtru - New Umtru Ines. 133 kV Umtru - Sarusajal D/C lines and 132 kV Umtru - Kahilipara D/C lines were idle charged to avoid overloading of 132 kV EPIP-II - Umtru D/C lines. At 20-38 Hrs on 23.07.2023, 132 kV Killing - EPIP II D/C, 132 kV EPIP II - Umtru D/C, 132 kV Umtru - New Umtru Ines Umtru J32 kV Umtru - Numiam IV D/C, 132 kV Umtru - Umiam III D/C, 132 kV Umtru - New Umtru Ines System got separated from rest of the NER Grid and subsequently collapsed due to loss of evacuation path. Power supply was extended to Umtru and New Umtru Power Stations of Meghalaya Power System by charging 132 kV Umtru - New Umtru line at 20.46 Hrs on 23.07.2023.	132 kV Killing - EPIP II D/C, 132 kV EPIP II - Umtru D/C, 132 kV EPIP II - New Umtru, 132 kV Umtru - Umian IV D/C, 132 kV Umtru - Umiam III D/C, 132 kV Umtru - New Umtru lines
17	GD 1	Dhaligaon,Barpeta, Kokrajhar, Gosaigaon, Bilasipara, Gauripur and Bornagar areas of Assam Power System	25-Jul-23 11:45	25-Jul-23 11:47	0:02	0	130	0%	5%	2785	2760	Dhaligaon, Barpeta, Kokrajhar, Gosaigaon, Bilasipara, Gauripur and Bornagar areas of Assam Power System were connected with rest of NER grid through 160 MVA 220/132 kV ICT-1 & 100 MVA 220/132 kV ICT-1 at BTPs. 132 kV BTPS(AS) - Ohaligaon 1 line tripped to 60:30 Hrs on 25 07.2023 and was under ESD due to isolator issue at BTPS. 132 kV Malbari-Barpetal line was under shutdown to avoid overloading of 132 kV Braglia-Nalbari line and 132 kV Gossigaon-Gauripur line was under shutdown to avoid overloading of 132 kV BTPS-Kokrajhar D/C lines. At 11:45 Hrs on 25.07 2023, 160 MVA 220/132 kV ICT-1 & 100 MVA 220/132 kV ICT-1 at BTPS tripped. Due to tripping of these elements, Dhaligaon, Barpeta, Kokrajhar, Gossigaon, Bilaispar, Gauripur and Bornagar areas of Assam Power System got separated from rest of the NER Grid and subsequently collapsed due to no source available in these areas. Power supply was extended to Dhaligaon, Barpeta, Kokrajhar, Gossigaon, Bilasipar, Gauripur and Bornagar areas of Assam Power System by charging 100 MVA 220/132kV ICT-11 at BTPS at 11:47 Hrs on 25.07.2023.	160 MVA 220/132 kV ICT-I & 100 MVA 220/132 kV ICT-II at BTPS.

						D	etails of Grid	l Events du	ring the Montl	n of July 20	023 in North 1	Eastern Region	🕡 ग्रिड-इंडिया GRID-INDIA
l No.	Category of Event (GI 1or GD-1 to G	2/ Affected Area	Time and Date of occurrence of Grid Event	Time and Date of Restoration	Duration (HH:MM:SS)	Loss of gene during t Generation Loss(MW)	ration / loss of load he Grid Event Load Loss (MW)		ation / loss of load w.r.t neration/Load in the % Load Loss (MW)	Antecedent Ge Reg Antecedent Generation	eneration/Load in the gional Grid Antecedent Load (MW)	Brief details of the event (pre fault and post fault system conditions)	Elements Tripped
18	GD-1 to G	Zuangtui, Saitual areas and Vankal Solar Power Station of	25-Jul-23 13:13	25-Jul-23 13:42	0:29	18	20	Loss(MW)	1%	(MW) 2735	(MW) 2797	Zuangtui, Saituai areas and Vankal Solar Power Station of Mizoram Power System were connected with rest of NER grid through 132 kV Melriat(PG) - Zuangtui line. 132 kV Serchip-Zuangtui line tripped at 13:08 Hrs on 25.07.2023. At 13:13 Hrs on 25.07.2023, 132 kV Melriat(PG) - Zuangtui line tripped. Due to tripping of this element, Zuangtui, Saituai areas and Vankal Solar Power Station of Mizoram Power System ext separated from rest of	132 kV Melriat(PG) - Zuangtui line
		Mizoram Power System										Zuangur, Santua areas and vankal solar Power Station of Mizoram Power System got separate from rest of the NER Grid and subsequently collapsed due to load generation mismatch in these areas. Power supply was extended to Zuangtui, Saltual areas and Vankal Solar Power Station of Mizoram Power System by charging 132 kV Melriat-Zuangtui line at 13:42 Hrs on 25:07.2023.	
												Pare HEP of Arunachal Pradesh Power System were connected with rest of NER grid through 132 kV Pare - Itanagar D/C lines. 132 kV Ranganadi-Pare-1 and 132kV Pare - Lekhi lines were under shutdown for straightening of 132 kV Ranganadi-Lekhi/Nirjuli line and commissioning of 132 kV Pare-North Lakhimpur transmission line and LILO at Nirjuli.	
19	GD 1	Pare HEP of Arunachal Pradesh Power System	25-Jul-23 14:11	25-Jul-23 14:34	0:23	120	0	4%	0%	2749	2715	At 14:11 Hrs on 25.07.2023, 132 kV Pare - Itanagar D/C lines tripped. Due to tripping of these elements, Pare HEP of Arunachal Pradesh Power System got separated from rest of the NER Grid and subsequently collapsed due to loss of execution path. 132 kV Pare - Itanagar D/C lines were declared faulty at 14:34 Hrs on 25.07.2023. Power supply was	132 kV Pare - Itanagar D/C lines
												Lizze Vr de "nanagen Dje mes weie bekansto naury at 2-3-4 in 3 on 22/07/2027. Porter suppry was extended to Pare HEP of Arunachal Pradesh Power System by charging 132 kV Pare - Itanagar 2 line at 18:41 Hrs on 25:07:2023.	
20	GD 1	Itanagar area and Pare HEP of Arunachal Pradesh Power System	27-Jul-23 22:15	27-Jul-23 22:48	0:33	119	18	4%	1%	3400	3241	Itanagar area and Pare HEP of Arunachal Pradesh Power System were connected with rest of NER grid through 132 kV BNC-Itanagar D/C and 132 kV Lekhi-Itanagar lines. At 22:15 Hrs on 27.07.2023, 132 kV BNC-Itanagar D/C and 132 kV Lekhi-Itanagar lines tripped. Due to tripping of these elements, Itanagar area and Pare HEP of Arunachal Pradesh Power System got separated from rest of the NER Grid and subsequently collapsed due to load generation mismatch in these areas.	
												Power supply was extended to Itanagar area and Pare HEP of Arunachal Pradesh Power System by charging 132 kV Lekhi-Itanagar line at 22:48 Hrs on 27:07.2023.	
21	GD 1	Tenga, Khupi areas and Dikshi HEP of Arunachal Pradesh Power System	28-Jul-23 09:04	28-Jul-23 09:44	0:40	11	21	0%	1%	2918	2544	Tenga, Khupi areas and Dikshi HEP of Arunachal Pradesh Power System were connected with rest of NER grid through 132 kV Balipara- Tenga line. At 09:04 Hrs on 28.07.2023, 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 rest of NER Grid and subsequently collapsed due to load generation mismatch in these areas. 132 kV Balipara- Tenga line was declared faulty at 09:44 Hrs on 28.07.2023. Power supply was extended to Tenga, Khupi areas and Dikshi HEP of Arunachal Pradesh Power System by charging 132 kV Balipara- Tenga line at 15:31 Hrs on 28.07.2023.	132 kV Balipara- Tenga line
22	GD 1	Tenga, Khupi areas and Dikshi HEP of Arunachal Pradesh Power System	29-Jul-23 01:14	29-Jul-23 01:43	0:29	5	18	0%	1%	2955	2826	Tenga, Khupi areas and Dikshi HEP of Arunachal Pradesh Power System were connected with rest of NER grid through 132 kV Balipara- Tenga line. At 01:14 Hrs on 29.07.023, 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 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 01:43 Hrs on 29.07.2023.	132 kV Balipara- Tenga line
												Dharmanagar area of Tripura Power System was connected with the rest of NER Grid through 132 kV Dharmanagar - Duilavchera line. 132 kV Dharmanagar - PK Barl Line was declared faulty since 10-43 Hrs of	
23	GD 1	Dharmanagar area of Tripura Power System	29-Jul-23 11:05	29-Jul-23 11:25	0:20	0	18	0%	1%	2971	2465	29.07.2023. At 11:05 Hrs on 29.07.2023, 132 kV Dharmanagar - Dullavchera line tripped. Due to tripping of this element, Dharmanagar area of Tripura Power System was separated from the rest of NER Grid and subsequently collapsed due to no source available in this area.	132 kV Dharmanagar - Dullavchera line
												Power supply was extended to Dharmanagar area of Tripura Power System by charging 132 kV Dharmanagar - Dullavchera line at 11:25 Hrs on 29.07.2023.	

						D	etails of Grid	Events dur	ing the Month	of July 2	023 in North I	Eastern Region	👔 ग्रिड-इंडिया GRID-INDIA
	Category of Grid Event		Time and Date of				ration / loss of load he Grid Event		tion / loss of load w.r.t neration/Load in the		eneration/Load in the zional Grid		
SI No.	(GI 1or 2/ GD-1 to GD-5)	Affected Area	occurrence of Grid Event	Time and Date of Restoration	Duration (HH:MM:SS)	Generation Loss(MW)	Load Loss (MW)	% Generation Loss(MW)	% Load Loss (MW)	Antecedent Generation (MW)	Antecedent Load (MW)	Brief details of the event (pre fault and post fault system conditions)	Elements Tripped
24	GD 1	Kohima, Meluri and Kiphire areas of Nagaland Power System	29-Jul-23 13:26	29-Jul-23 14:48	1:22	23	13	1%	0%	3067	2828	Kohima, Meluri and Kiphire areas of Nagaland Power System were connected with rest of NER grid through 132 kV Dimapur-Kohima, 132 kV Kohima-Chiephobozou, 132 kV Kohima-Karong &132 kV Meluri-Kiphire lines. At 13:26 Hrs on 29.07.2023, 132 kV Dimapur-Kohima, 132 kV Kohima-Chiephobozou, 132 kV Kohima-Karong & 132 kV Meluri-Kiphire lines tripped. Due to tripping of these elements, Kohima, Meluri and Kiphire areas of Nagaland Power System og tseparated from rest of NER Grid and subsequently collapsed due to load generation mismatch in these areas. Power supply was extended to Kohima, Meluri and Kiphire areas of Nagaland Power System by charging 132 kV Dimapur-Kohima line at 14:48 Hrs on 29:07.2023.	132 kV Dimapur-Kohima, 132 kV Kohima- Chiephobozou, 132 kV Kohima-Karong &132 kV Meluri-Kiphire lines
25	GD 1	Bokajan area of Assam Power System	30-Jul-23 21:24	30-Jul-23 23:18	1:54	0	10	0%	0%	3466	3223	Bokajan area of Assam Power System was connected with rest of NER grid through 132 kV Bokajan - Sarupathar line. 132 kV Bokajan - Dimapur(PG) line was under outage from 21:23 Hrs on 30.07 2023 At 21:24 Hrs on 30.07.2023, 132 kV Bokajan - Sarupathar line tripped. Due to tripping of this element, Bokajan area of Assam Power System got separated from rest of the NER Grid and subsequently collapsed due to no source available in this area. Power supply was extended to Bokajan area of Assam Power System by charging 132 kV Bokajan - Sarupathar line at 23:18 Hrs on 30.07.2023.	132 kV Bokajan - Sarupathar line
26	GD 1	Tuirial Generating Station of Mizoram Power System	30-Jul-23 17:41	30-Jul-23 17:58	0:17	22	0	1%	0%	3027	2884	Tuirial Generating Station of Mizoram Power System was connected with the rest of NER Grid through 132 kV Tuirial-Kolasib line. At 17:14 Hrs on 30.07.2023, 132 kV Tuirial-Kolasib line tripped. Due to tripping of this element, Tuirial Generating Station of Mizoram Power System got separated from rest of NER Grid and subsequently collapsed due to loss of evacuation path. Power supply was extended to Tuirial Generating Station of Mizoram Power System by charging 132 kV Tuirial-Kolasib line at 17:58 Hrs on 30.07.2023	132 kV Tuirial-Kolasib line
27	GI-II	Assam	18-Jul-23 10:31	18-Jul-23 12:00	1:29	20	0	1%	0%	2855	2635	AGBPP Unit 7 tripped at 10:31 Hrs on 18:07.2023 due to Leakage of high capacity NRV. Revision done from Block No. 49 on 18:07.2023.	AGBPP Unit 7
28	GI-I	Tripura	24-Jul-23 06:02	24-Jul-23 08:00	1:58	10	0	0%	0%	2797	2362	AGTCCPP Unit 6 tripped at 06:02 Hrs on 24.07.2023 due to Turbine bearing temperature high. Revision done from Block No. 33 on 24.07.2023.	AGTCCPP Unit 6
29	GI-II	Tripura	28-Jul-23 12:57	28-Jul-23 14:30	1:33	526	0	19%	0%	2803	2591	Palatana Module 1 and Module 2 tripped at 12:57 Hrs and 12:59 Hrs respectively on 28.07.2023 due to loss of Flame in GTG-1 and generator protection operated in GTG-2. Revision done from Block No. 59 on 28.07.2023.	Palatana Module 1 and Module 2
30	GI-I	Tripura	30-Jul-23 19:29	30-Jul-23 20:45	1:16	18	0	1%	0%	3414	3165	AGTCCPP Unit 5 tripped at 19:29 Hrs on 30.07.2023 due to Exhaust Steam Pressure High Trip. Revision done from Block No. 84 on 30.07.2023.	AGTCCPP Unit 5