						l	Details	of Grid I	Events	during th	ne Mon	th of February 2024 in Northern Region	🚺 गिड-इंडिया GRID-INDIA
SI No.	Category of Grid Event	Affected Area	Time and Date of occurrence of Grid Event	Time and Date of Restoration	Duration (HH:MM)	Loss of gene load during t	eration / loss of the Grid Event	% Loss of genera load w.r.t An Generation/Le Regional Grid du Even	tion / loss of tecedent aad in the ring the Grid	Antecedent Genera Regional	tion/Load in th Grid®	Brief details of the event ( pre fault and post fault system conditions)	Elements Tripped
	( GI 1or GI 2/ GD-1 to GD-5)					Generation Loss(MW)	Load Loss (MW)	% Generation Loss (MW)	% Load Loss (MW)	Antecedent Generation (MW)	Antecedent Load (MW)		
1	GI-2	Jammu and Kashmir	01-02-2024 01:20	01-02-2024 06:07	04:47	25	0	0.089	0.000	28144	33714	A to per S2504.502, MMU and information release from constituents the sugnment of event is as follows: A r0115191 S12110, Gold SBWU/BBW tensore 4dBW2 setworkedDip opend. B A r012-3011100 Turs, B H phase to earth fault is observed as per PAMU at Amagen/HDOGR00 (reacre reason and lexation of fault yet to be shared). C A sper PAMU, reduce priorestore 10.1 pp. and dever-voltage three formand pickeds by a lowerer atthough voltage reduced to 12075 pu. after fault but over-voltage trip command didin't get reset (drop-off to pick-up ratio may be reviewed) and after 5 sec., ad 0.12.03.5:100 hrv, 6 MU V U1_10HH-Amargath (HDOGR00) (NOGR00) (	1) 400 IV Uri_1(HH)-Amargarh (INDIGRID) (INDIGRID) CM-2
2	GD-1	Jammu and Kashmir	01-02-2024 01:50	01-02-2024 02:56	01:06	51	600	0.184	1.837	27750	32660	() As per SCADA SOE, PAU and information received from constituents the sequence of event is as follows: a. Add LSH 3th rs, 800 KU LL, 2014/U-LL, 1014/ (FO) CLA and 400 KU LL, 2014/W.Wagoora (FO) (FO) CLA tabo tripped on over-voltage. b. This 4 but tripped of GAWU this 4.1 usi, 2014/(Beerearing: TabW) and absorbing: "STAWA) due to to sol evacuation path. Complete blackout occurred at 400KU LL, 2014/, c. Add LSAD Athrs, 800 KU LL, 2014/(Beerearing: TabW) and baching: "STAWA) due to to serve voltage. b. This 4 but tripping of GAWU this 4.1 usi, 2014/(Beerearing: TaBW) and baching: "STAWA) due to to serve voltage. c. Add LSAD Athrs, 800 KU LL, 2014/(Beerearing: TaBW) and baching: "STAWA) due to to serveusion path. Complete blackout occurred at 400KU LL, 14(1), 14(1), 14(1), 15(1), 16(1), 16(1), 17(1),	1 460 (Y A Amarganh (NiliGilli)) Somhal/GC (NiliGilli) (L-1. 240 (Y A Amarganh (NiliGilli)) Somhal/GC (NiliGilli) (L-1. 31 400 (Y A Amarganh (NiliGilli)) Vagora/(FG) (NiliGilli) (L-1. 31 400 (Y A Amarganh (NiliGilli)) Vagora/(FG) (NiliGilli) (L-2. 51 200 (Y A Amarganh (NiliGilli)) Vagora/(FG) (NiliGilli) (L-2. 51 200 (Y A Amarganh (NiliGilli)) Valenci(FG) (PIO J) (C L-2. 51 200 (Y A Amarganh (NiliGilli)) Valenci(FG) (PIO J) (C L-2. 51 200 (Y A Amarganh (NiliGilli)) Valenci(FG) (PIO J) (C L-2. 51 200 (Y A Amarganh (NiliGilli)) Valenci(FG) (PIO J) (C L-2. 51 200 (Y A Amarganh (NiliGilli)) Valenci(FG) (PIO J) (C L-2. 51 200 (Y A Amarganh (NiliGilli)) Valenci(FG) (PIO J) (C L-2. 51 200 (Y A Amarganh (NiliGilli)) Valenci(FG) (PIO J) (C L-2. 51 200 (Y A Amarganh (NiliGilli)) Valenci(FG) (PIO J) (C L-2. 51 200 (Y A Amarganh (NiliGilli)) Valenci(FG) (PIO J) (C L-2. 51 200 (Y A Amarganh (NiliGilli)) Valenci(FG) (C L-1. 51 200 (Y L)) (NiliGilli)) (NiliGilli)) (NiliGilli)) (NiliGilli)) (NiliGilli)) (NiliGilli)) (NiliGilli)) (NiliGilli)) (Nil
3	GD-1	Punjab	01-02-2024 08:30	01-02-2024 11:21	02:51	0	30	0.000	0.060	44749	50280	I) As reporting, of 82.30m; Joue Am protection of 22.804 But 3 at Jamalgur (BB) operated (exact reason, nature and location of fault yet to be shared). II) Due to bus have protections operations, all the elements connected to 22.004 Bus; at Jamalgur (BB) Upped and 20.004 Bus; at J	1)220KV Bus 1 at Jamabpur (88) 22 20K VI Jahandhar-Jamabpur (88) (Xt-1 3) 220 KV Jahandhar (88) (Xt-1 3) 220 KV Ganguava Jamalpur (88) (Xt-1 5) 220 (Kd-1) 20 MVA (KT-1 at Jamabpur (88M8) 5) 220 (Kd-1) 20 MVA (KT-1 at Jamabpur (88M8) 7) 220 (J1232V 100 MVA (KT-1 at Jamabpur (88M8)
4	GD-1	Himachal Pradesh	02-02-2024 15:27	02-02-2024 16:30	01:03	0	785	0.000	1.616	44573	48586	() As reported, at 15:27 hrs, 2220V Baddill/HP, Peijorel/HV) (HPPCL) [Clt: 18.2 tripped on R·Y phase to phase fault; zone-1 disatrice protection operated at Prijore end. (Exact resson, nature and location of fault yet to be shared) [10 bet to tripped of determentioned lines; 20V Baddi-Kunihar(HP) [Ckt: 18.2, 220 V Baddi-Upper Nangal(HP) [Ckt; 220 V Baddi-Madhal(HP) [Ckt and 220 V Baddi- Wardthman(HP) [Ckt tripped due to over-bading and 220/E4XB Badd(HP) S/s became dead. [0] Jourige the same (new, 220 V Maddi-Loper NangBI/OF (220 V Bhadi-Kunhar(HP) [Ckt and 220 V Ubaddi-Upper NangBI/OF (24 and 220 V Baddi- H) [or ther, at 15:34 hrs, at 15:	1 1200V Maddiffy Philopret/W) (HPPTCL) Ck-1 2 200V Maddiffy Philopret/W) (HPPTCL) Ck-2 3 220 VK Madd-Kunhar(HP) Ck-1 2 20 VK Madd-Kunhar(HP) Ck-2 5 220 VK Madd-Mahar(HP) Ckt 2 20 VK Madd-Mahar(HP) Ckt 2 20 VK Madd-Mahar(HP) Ckt 3 220 VK Madd-Mahar(HP) Ckt 3 220 VK Madh-Mahar(HP) Ckt 3 220 VK Madh-Manhar(HP) Ckt 3 22 22 22 22 22 22 22 22 22 22 22 22 22
5	GI-2	Uttar Pradesh	05-02-2024 23:58	06-02-2024 00:53	00:55	0	170	0.000	0.447	30345	38002	I) During antecedent condition, 400/226W 500MVA ICT-2, 220/328W 160MVA ICT-3 and 4 at Resra(UP) was carrying approx. 180MW, 30MW and 30MW respectively, 400/226W 500MVA ICT-2 at Resra(UP) and can be approxed at both the 226W bases of 400/226/328W Resra(UP) indicating flag "tow gas pressure zone-1". II) Are rported, at 23.58 hrs, bas bar protection operated at both the 226W bases of 400/226/328W Resra(UP) indicating flag "tow gas pressure zone-1". III) Due to the, all 226W cits and 400/226W ICT-2 at 220/132W ICT-3 & 4 thepped and both the 226W bases at Rear(UP) lecture dead. III) During inspectively. Dwag appressure and found and 60 physically and the flag was reset. It seems that the relay mail-operated due to which this tripping occurred. IV) As per VAU at Bala(PG). In offult is observed in the system. IV) As per VAU at Bala(PG). In offult is observed in the Occurred area.	1) 400/2209 /500/hv (ET-2 at Reura(UP) 2) 220/122V /160/Vv (ET-3 at Reura(UP) 2) 220/122V /160/Vv (ET-4 at Reura(UP) 4) 2204 / Reura-Bears 220(UP) (Ct 4) 2204 / Reura-Bears 220(UP) (Ct 5) 2204 / Reura-Bears(UP) (Ct-1 6) 2204 / Reura-Bears(UP) (Ct-2 2) 2204 / Reura-Bears(UP) (Ct-2
6	GD-1	Delhi	06-02-2024 10:10	06-02-2024 11:24	01:14	477	587	0.957	0.989	49866	59355	During antecedent condition, 400W interconnection 4592 and 42325 between 400W bases at Bawana (CGTIN) (2011) and 400W bases at Bawana CGGTIN) (2012) are in off popolion. 400/2202W 153M/W Bawana GS- UNIT 5 (176-1) & 6 (5) (27-2) are regenerating approx. H5MW, 154MW, 154MW and 90MW respectively. 216 MW Bawana GS- UNIT 1 (27-1) & 8 (GT- 4) and 23.5 MW Bawana GS- UNIT 5 (176-1) & 6 (5) (27-2) are regenerating approx. H5MW, 154MW, 154MW, 154MW and 90MW respectively. 216 MW Bawana GS- UNIT 1 (GT-1) & 8 (GT- 3) are in bask-shared condition for meting the station auditory supply. 1) As reported, at around 512.01 hrs, henvy sparking and Blah over were observed in 400 MV switchyard CICCT Bawana. On inspection it was found that Y - phase drog down mapper of bay 131 (400 V Bawana CGTBI(IPGCL) Bahadurgan(PG) (PG) (21) snapped from Jack Bus and field on the support structure which led to fast in 400 V Bawana CGTBI(PGCL) - Bus 2. GT Serverbe and a tropped after a time interval of 150ms from Bawana end. Although the fault was on Bus-2, yet both the line sensed the fault incide ic Raw and in the sensed the fault incide ic Raw and in the sensed the fault incide ic Raw and in the sensed the fault incide ic Raw and in the sensed the fault incide ic Raw and in the sensed the fault incide ic Raw and in the resense of a fault since ic Raw and the fault was on Bus-2, yet both the line sensed the fault incide ic Raw and in the sensed the fault incide ic Raw and in the sensed the fault incide ic Raw and in the sensed the fault incide ic Raw and incide in the sensed the fault incide ic Raw and incide in the sensed the fault incide ic Raw and incide in the sensed the fault incide ic Raw and incide in the sensed the fault incide ic Raw and incide in the sensed the fault incide ic Raw and incide in the sensed the fault incide ic Raw and incide in the sensed the fault incide ic Raw and incide in the sensed the fault incide ic Raw and incide in the sensed the fault incide ic Raw and in the resensed the fault incide ic Raw and incide in	11 400 YV Bawana CGTR[II/GC]_Bhivan(IPG) [PG) Ckt 24 00 YV Bawana CGTR[II/GC]_Bhivan(IPG) [PG] Ckt 3) 256 MV Bawana GPS - UNT 2 (GT-2) 4) 245 MV Bawana GPS - UNT 5 (GT-1) 5) 253.6 MW Bawana GPS - UNT 5 (GT-2) 7) 400/22203 Y35MV AICT - 41 Bawana(IV) 8) 400/22034 Y35MV AICT - 44 Bawana(IV) 9) 400/22203 Y35MV AICT - 44 Bawana(IV) 9) 400/22203 Y35MV AICT - 45 Bawana(IV) 9) 400/22203 Y35MV AICT - 45 Bawana(IV)
7	GI-1	Delhi	06-02-2024 10:29	06-02-2024 11:04	00:35	0	126	0.000	0.213	50745	59286	1.220(24X Varesh[07]). Is double main bis scheme. 1.20(24X Varesh[07]). Is double main bis scheme. 2.20(24X Varesh[07]). Is double main bis scheme. 2.20(24X Varesh[07]). Is double main bis scheme. 2.20(24X Varesh[07]). Is double main bis double main bis scheme. 2.20(24X V	1) 220 KV Mandola(PG) Narela(IV) (DTL) Ch-1 2) 220 KV Mandola(PG) Narela(IV) (DTL) Ch-2 2) 220 KV Mandola(PG) Narela(IV) (DTL) Ch-2 2) 20 KV 050C Narela(IV) (DTL) Ch-2 2) 20 KV 050C Narela(IV) (DTL) Ch-2 5) 220(KAV 1000KV (LT-1 at Narela(IV) 6) 220(KAV 1000KV (LT-2 at Narela(IV) 2) 220(KAV 1000KV (LT-2 at Narela(IV) 8) 220KV fluot 1 at Narela(IV) 8) 220KV fluot 1 at Narela(IV)
8	GD-1	Himachal Pradesh	08-02-2024 10:41	08-02-2024 10:59	00:18	0	525	0.000	0.901	49687	58261	I) During antecedent condition, as per SCADA, power was flowing towards Kunhar through 220 W Bhabh-Kunhar(HP) Cit and 220 W Badd-Kunhar(HP) Cit and 20 W Badd-Kunhar(H	1) 220 VV Bhabha-Kunhar(HP) Ckt 2) 220 VV Jeof-Kunhar(HP) Ckt 3) 220 VV Badd-Kunhar(HP) Clt-1 4) 220 VV Badd-Kunhar(HP) Clt-1 5) 220 VV Badd-Upper Kangal(HP) Clt 6) 220 VV Badd-Maha(HP) Ckt 7) 220 VV Badd-Wardthman(HP) Ckt

						]	Details	of Grid I	Events	ne Mont	h of February 2024 in Northern Region	गिड-इंडिया GRID-INDIA	
SI	Category of Grid Event	Affected Area	Time and Date of occurrence of Grid Event	Time and Date of Restoration	Duration (HH:MM)	Loss of gene load during	eration / loss of the Grid Event	% Loss of gener load w.r.t Ar Generation/L Regional Grid du Ever	ation / loss of ntecedent .oad in the uring the Grid nt	Antecedent Genera Regional	ation/Load in the Grid*	Brief details of the event ( pre fault and post fault system conditions)	Elements Tripped
	( GI 1or GI 2/ GD-1 to GD-5)					Generation Loss(MW)	Load Loss (MW)	% Generation Loss (MW)	% Load Loss (MW)	Antecedent Generation (MW)	Antecedent Load (MW)		
4	GD-1	Haryana	08-02-2024 16:22	08-02-2024 16:45	00:23	547	160	1.214	0.343	45045	46699	Burg anterdent condition, 208V DCRTPP(R) Junique) (L1 - 1 & 2, 208V DCRTPP(R)) bargur(R) (L1 - 1 & 2 and 208V DCRTPP(R)) unspur(R) (L1 - 1 & 2 and 208V DCRT	1) 220KV DCRTPP(HI)-brial(HI) ckt - 2 2) 220KV DCRTPP(HI)-brial(HII) ckt - 1 3) 220KV krant(HII)-Unispur(HII) ckt - 4) 220KV Sampur(HII)-Bisban(HII) ckt - 1 6) 220KV DCRTPP(HII)-Unispur(HII) ckt - 1 6) 220KV DCRTPP(HII)-Bisban(HII) ckt - 1 8) 220KV DCRTPP(HII)-Bisban(HII) ckt - 1 8) 220KV DCRTPP(HII)-Bisban(HII) ckt - 1 8) 220KV DCRTPP(HII)-Bisban(HII) ckt - 1 3) 20KV DCRTPP(HII)-Bisban(HII) ckt - 1 3) 30K MW DCRTPP(HII)-Bisban(HII) ckt - 1 3) 30KW DCRTPP(HIII)-Bisban(HII) ckt - 1 3) 30KW DCRTPP(HIII)-Bisban(HIII) ckt - 1 3) 30KW DCRTPP(HIIII)-Bisban(HIII) ckt - 1 3) 30KW DCRTPP(HIIII)-Bisban
1	0 GD-1	Rajasthan	14-02-2024 09:49	14-02-2024 18:23	08:34	45	0	0.089	0.000	50457	62135	Generation of 2020 w MELB PS3 = REstations executes through 228 fV Advant RenewPerk, SJ, FABUH, FRTL (AREPRL) - MELHL PS3 18 JFABUH, FRTL (AREPRL) CALL     During entrocedent motion, MFEL PS3 is attainen segnement and papervs. AdVAN are per VSAIA.     III ALT Sports, at 009-Minz, 2020 V Advant RenewPerk SJ, FABUH, FRTL (AREPRL) - MELHL PS3 18 JFABUH, FRTL (AREPRL) CALL tripped an mak-operation of really leading to     Bary-204 G trip (reactions) extended TS3 Sports, attained and tripped and mak-operation of really leading to     Biry-204 G trip (reactions) extended Ts4 Sports, attained     Jii Als representation to tripping of 2020 W AdVAL PS3 THE FRTL (AREPRL) AREFRL) CALL tripped an mak-operation of really leading to     Biry-204 G trip (reactions) extended Sports, attained     Jii Als per Wall, attained to ready attained and tripping attained tripping attained Sports, attained     Jii Als per Wall, attained to ready attained attained attained attained attained attained attained     Jii Als per Wall, attained the ready resolution attained Sports attained     Jii Als per Wall, attained to ready attained attained attained attained attained attained attained attained     Jii Als per Wall, attained the ready attained attained attained attained attained attained attained     Jii Als per Wall, attained the ready attained attained attained attained attained attained attained     Jii Als per Wall, attained the ready attained attained attained attained attained attained     Jii Als per Wall, attained the ready attained     Jii Als per Wall, attained the ready attained attain	1) 220 KV Adani RenewPark, SL_FGARH_FBTL (AREPRL)-AHEJAL PSS 3 H8_FGRAH_FBTL (AHEJAL) (AREPRL) Ckt
1	1 GD-1	Himachal Pradesh	16-02-2024 11:30	16-02-2024 11:36	00:06	40	400	0.073	0.645	54781	62049	I) During intecedent condition, as per SCADA, power was flowing towards Kunhar through 220X/ Jeori-Kunhar(HP) (X1, 220 X/ Wagtoo-Bhabha-Kunhar(HP) (X1, C-connection) and 220 V Badd-Kunhar(HP) (X1, 220 X/ Wagtoo-Bhabha-Kunhar(HP) (X1, C-connection) and 220 V Badd-Kunhar(HP) (X1, X2, X2, X2, X2, X2, X2, X2, X2, X2, X2	1) 220 KV Bhabhe Kunihar (H9) Kt 2) 220 KV Black Jean-Kunihar (H9) Ckt 3) 220 KV Badd-Kunihar (H9) Ckt- 4) 220 KV Badd-Kunihar (H9) Ckt- 5) 220 KV Badd-Madhal (H9) Ckt 6) 220 KV Badd-Madhal (H9) Ckt 8) 220 KV Badd-Madhal (H9) Ckt 8) 220 KV Badd-Madhal (H9) Ckt 8) 220 KV Jeon-Bhaba(H9) Ckt
1	2 GD-1	Jammu and Kashmir	19-02-2024 19:19	19-02-2024 20:20	01:01	0	260	0.000	0.485	41035	53652	1,220(54V) DrassPGD have chould main but arrangement at 220% side. 10 Jurning entercent condition, approx. 254WW power was compiler from Alsteng to Drass and approx. 23MW power was going out from Drass to Kargil. 10) Arrangent, at 112 Jin Hu, 220 V Alutitety-Drass PGD (24 tripped on B-4 bytase to earth fault with blaut with blaut extend science of Sidem from Drass end. 10) Job to this tripped usophy to 220 V Drass (PG) Fairgil CL was to that blautout control at 220(54V) DrassPGS (5/s. 14) App er MAU at Anarganh, B-4 phase to earth fault is observed with fault clearly and at 220(54V) DrassPGS (5/s. 14) App er MAU at Anarganh, B-4 phase to earth fault is observed with fault clearly and a 220(54V) DrassPGS (5/s. 14) App er MAU at Anarganh, B-4 phase to earth fault is observed with fault clearly and a 220(54V) DrassPGS (5/s. 14) App er MAU at Anarganh, B-4 phase to earth fault is observed with fault clearly and a 220(54V) DrassPGS (5/s. 14) App er MAU at Anarganh, B-4 phase to earth fault is observed with fault clearly and a 220(54V) DrassPGS (5/s. 14) App er MAU at Anarganh, B-4 phase to earth fault is observed with fault clearly and a 220(54V) DrassPGS (5/s. 14) App er MAU at Anarganh, B-4 phase to earth fault is observed with fault clearly and a 220(54V) DrassPGS (5/s. 14) App er MAU at Anarganh, B-4 phase to earth fault is observed with fault clearly and a man and a 20(54V) DrassPGS (5/s. 15) App er MAU at Anarganh, B-4 phase to earth fault is observed with fault clearly and a man and a man and a 20(54V) DrassPGS (5/s. 15) App er MAU at Anarganh, B-4 phase to earth fault is observed with fault clearly and a man and	1) 220 KV Alusteng-Drass (PG) Ckt
1	3 GD-1	Himachal Pradesh	20-02-2024 17:32	20-02-2024 19:41	02:09	0	45	0.000	0.091	45200	49340	B During entercedent condition, no generation was there at Bainskul(NH). B Are posted, 12:752-202 Vol Bainskul(NH) engo BB(NF) (C) tripped on 3-phase to earth fluit (zone-2 distance protection operated at Pong(BB) end) with fluit distance of 75:55m and fluit current of Ir=2 502Ma, Irp=272A and Ib=-2 32BA from Pong(BB) end), with fluit distance of 54:22km and fluit current of Ir=4 51BA, Vol Pong(BB) (P) endition (P) endit	1] 220 IV Barasull(NH-) Pong (IBB)PG) skt 2) 220 IV Barasull(NH-) Jessore (HP)(PG) skt
1	4 GI-2	Uttar Pradesh	20-02-2024 21:47	20-02-2024 22:51	01:04	0	0	0.000	0.000	35580	44516	9.1955/40022001/ UnacufUP) has double main and transfer four scheme at 4000V level. 10.0 Unarge entercent contision, a002 Vage-brinna (UP) (LC) 400 V Unano-Luckowa (UP) (UP) (LC) 400 VV Barelly-Unana (UP) C42, 400 VV Unano-UU/P) and transfer the elements were connected to 4000V bits at Unanos(UP) and transfer the elements were connected to 4000V bits at Unanos(UP) and transfer the elements were connected to 4000V bits at Unanos(UP). 101 A per 5260A, 400228 VV 315 MVA CT 1 at Unanos(UP), 756/400 VV 1000 MVA (CT 2 and 3 at Unanos(UP) were connected to 4000V bits at Unanos(UP). 101 A per 5260A, 400228 VV 315 MVA CT 1 at Unanos(UP), 756/400 VV 1000 MVA (CT 2 and 3 at Unanos(UP) were connected to 4000V bits at Unanos(UP). 101 A per 5260A, 400228 VV 315 MVA CT 1 at Unanos(UP), 756/400 VV 1000 MVA (CT 2 and 3 at Unanos(UP) erec carrying approx. 131MW, 518MW end 535MW respectively. V) A per ported, at 12 V Ins. 1000 per particular do to that at Main C d 400 VV bits at Unanos(UP) and transfer to 4000V bits at Unanos(UP) repet and 1000V bits at Unanos(UP). 104 A per 504 di 400 V Barelly-Unanos (UP) C12, 2. Nei haats to earch fulls to dereved with fault correct of 6.135M from Unanos(UP) and 2.197A from Barelly(UP). Fault was sensed in non-3 at Unanos(UP) and 3.197A from Barelly(UP). Fault was sensed in viol. 3 (at 2 correct with fault coloring time of 280ms. v) A per 604 di 400 V Barelly-Unanos (UP) C12, 2. Nei haats to earch fault a behaved with fault correct on the classifier.	1 800 IV Agra-Monao (UP) C41 3 400 IV Agra-Monao (UP) C41 3 400 IV Manak-Lucksow (UP) C42 400 VV Mana(UP)-Jenta, Lendor Read (UP) (PG) C42- 5 400 VV Mana(UP)-Jenta, Lendor Read (UP) (PG) C42- 5 900/224 VV 3150 MV/A (C1 at Unnae)(UP) 6 7 56/406 VV 1000 MV/A (C1 at Unnae)(UP) 7 55/406 VV 1000 MV/A (C1 at Unnae)(UP) 8 400/V 4021 at Unnae)(UP)
1	5 GD-1	Jammu and Kashmir	21-02-2024 10:00	21-02-2024 11:50	01:50	0	115	0.000	0.205	49115	56164	§ 220(540 // DrashC)(1) have double main bus arrangement at 220X visite. (i) During anticedem condition, approx. ATWW power was coming from Austeng to Drass and approx. 45MW power was going out from Drass to Kargii. (ii) As reported, at 100 hm, 220X // Austenge drass (PG) (20 tripped on R & phases to phase fault with fault current of 22A and 22AA from Austeng end in R and B phases respectively and four data current of 22A and 22AA from Austeng end in R and B phases respectively and Austenge and In R and In	1) 220 KV Alusteng-Drass (PG) Ckt
1	5 GD-1	Punjab	24-02-2024 10:31	24-02-2024 12:03	01:32	123	70	0.231	0.116	53134	60108	i) During antecedent condition, 220 IV Luchhana/PG-Dandhari Kalan/PS) Cit was not in service. 126MV Unit-3 at Bhakra@BMBI was generating approx. 123MV. ii) Are reported, at 10.21Mrs, Yophuse jumper (exact location yet to be shared) of 220 IV Lation Kalan/PS) Doanhari Kalan/PS) PTCL) Cit xanapeet. Cit divide from from humdhari kalan end, due to whol.200 IV analugule/Bbandhari Kalan/PS) Cit Vas at on Kalan/PS-Dandhari Kalan/PS) PTCL) Cit xanapeet. Cit divide from from humdhari ii) As 200 V Ludhina/PG-Dandhari Kalan/PS) Cit was on in service and 220 V Lation Kalan/PS) Dandhari Kalan/PS) PTCL) Cit x 20 V Janapeet Cit divide from humdhari ii) As 200 V Ludhina/PG-Dandhari Kalan/PS) Cit was on in service and 220 V Lation Kalan/PS) Dandhari Kalan/PS) PTCL) Cit x 20 V Janapeet Cit divide from humdhari iii As 200 V Ludhina/PG-Dandhari Kalan/PS) Cit was on in service and 220 V Lation Kalan/PS) Dandhari Kalan/PS) PTCL) Cit x 20 V Janapeet Cit divide from humdhari iii As 20 V Ludhina/PG-Dandhari Kalan/PS) Cit was on in service and 220 V Lation Kalan/PS) Barta/Lit (X x 20 V Janapeet Cit divide from humdhari iii As 20 V Ludhina/PG-Dandhari Kalan/PS) Cit was on in service and 220 V Lation Kalan/PS (PTCL) Cit x 20 V Janapeet Cit divide from humdhari iii As 20 V Ludhina/PG (As 20 V Ludhina/Balan/PG) Dandhari Kalan/PS (PTCL) Vit As 20 Kalan/PG (PTCL) Cit x 20 V Janapeet Cit divide from humdhari Vit As per Cit Coll Cit x 20 V Vita As at annapurita/Balan/PG (Balan/PG) As at annapurita/Balan/PG (Balan/PG) As at annapurita/Balan/PG (Cit X x 20 V Janapeet Cit divide from humdhari Vit As per Coll Coll Cit x 20 VI Vita As at annapurita/Balan/PG (Balan/PG) As at annapurita/Balan/PG (Cit X x 20 V Janapeet Cit divide from humdhari Vit As per Coll Coll Cit x 20 VI Vita As at annapurita/Balan/PG (Balan/PG) As at annapurita/Balan/PG (Cit X x 20 V Janapeet Cit divide from humdhari Vit As per Coll Coll Cit x 20 VII Vita As at annapurita/Balan/PG (Cit X x 20 VII X at annapurita/Balan/PG) As at annapurita/Balan/PG (Cit X x 20 VII X at annapuri	1) 220 KV Lalton Kalan(PS)-Dandhari Kalan(PS) (PSTCL) Ckt 2) 220 KV Ganguwal-JamaJour (BB) Cks-2 2) 220 KV Janabugan(BS) Sangur(PS) (BB) Cks-2 2) 220 KV Janabugan(BS) Sangur(PS) (BB) Cks-2 5) 220 KV Janabugan(BS) Sangur(PS) (SSTCL) (Ck-2 5) 220 KV Janabugan(BS) Sangur(PS) (SSTCL) (Ck-2 2) 220 KV Janabugan(BS) Sangur(PS) (SSTCL) (Ck-2 2) 220 KV Janabugan(BS) Sangur(PS) (SSTCL) (Ck-2 2) 220 KV Janabugan(BS) (SSTCL) (SSTC

						]	Details	of Grid I	Events	during th	ne Mont	h of February 2024 in Northern Region	🚺 ग्रिड-इंडिया GRID-INDIA
SI No.	Category of Grid Event	Affected Area	Time and Date of	Time and Date of	Duration	Loss of generation / loss of load during the Grid Event		% Loss of generation / loss of load w.r.t Antecedent Generation/Load in the Regional Grid during the Grid Event		Antecedent Generation/Load in the Regional Grid®		Brief details of the event ( pre fault and post fault system conditions)	Elements Tripped
	( GI 1or GI 2/ GD-1 to GD-5)				()	Generation Loss(MW)	Load Loss (MW)	% Generation Loss (MW)	% Load Loss (MW)	Antecedent Generation (MW)	Antecedent Load (MW)		
17	GI-2	Rajasthan	25-02-2024 12:55	25-02-2024 14:08	01:13	1890	545	3.714	0.942	50888	57861	During intercedent condition, MVA power flows of 400/220 bV 500 MVA ICT 1, 2.8 3 at Bhath[95] were 417MVA, 452MVA and 454MVA respectively is per 52ADA. II) Are reported, et 12:255rs, 400/220 bV 500 MVA ICT 1 at Bhath[95] tripped due to burring of isolative (resat reson, nature and location of flast yet to be shared) III) bur to this tripped AV0/220 IV 500 MVA ICT 1 at Bhath[95] do everabled and tripped due to over-improve thoreas to reserve III) bur to this tripped (PV2) MV3 ICT 1 at 21 at Bhath[95] do everabled and tripped due to over-improve to reserve to reson. IV) As per FMU at Bikane(PGI, PF v)axe to phase flast converted to 3-phase flash is observed with delayed flash clearance time of 880 ms. V) As per 52ADA, thorge in framorid or papers. 55MVR observed in Signathian control stress.	1) 400/220 KV 500 MVA.ICT 1 at Bhadla(KS) 2) 400/220 KV 500 MVA.ICT 2 at Bhadla(KS) 3) 400/220 KV 500 MVA.ICT 3 at Bhadla(KS)
18	GD-1	Uttar Pradesh	27-02-2024 13:57	27-02-2024 14:11	00:14	580	0	1.199	0.000	48368	52560	Burring extendent constition, SVBWW Anparso TPS Unit-182 were generating approx. 285MW & 225MW respectively and excussing from 76SW Anapara_0-Otra_C CAI carrying approx.523MW. B) Are properties, 41.13-57hrs, BN phase to earth fluid vocared on 75SW Anapara_D Otra_C CAI. Full distance was "S.Bim from Obra_C end, 2.1 from Obra_C end, and 2.2 from Anapara_0 end. On this JM, SSW Anapara_D Obra_C CAI traped from Anapara_C ender and 400 V Anapara-Approx_D Dut. B) Are properties of the second of the second second ender the second second ender and the seco	1) 1956 VX Angear, D(UP) - Biss 1 2) 556 VX Angear, D(UP) - Biss 2 3) 756 VX Angear, D(UP) - Biss 2 3) 756 VX Diag, C (1975 Angear, D, UP) Pick 1 5) 756 VX Angear, C (1049) - Angear, D(UP) (UP) Ck-1 5) 756 VX Angear, Angear, D(UP) (UP) Ck-1 5) 756 VX Angear, Angear, D(UP) (UP) Ck-1 3) 756 VX Angear, Angear, D(UP) Ck-1 3) 400 VX Angear, Angear, D (UP) Ck-2 3) 400 VX Angear, Angear, D (UP) Ck-2
19	GI-2	Rajasthan	28-02-2024 06:58	28-02-2024 07:38	00:40	0	680	0.000	1.314	42410	51769	I) During antecedent condition, 220 kV BassI(PG)-Dausa(PS) (PG) Ckt-18.2 were carrying approx. 255MV towards Dausa and 400/220 kV 315 MVA ICT 18.2 at Hindaur(PS) were carrying approx. 255MV towards Dausa and 400/220 kV 315 MVA ICT 18.2 at Hindaur(PS) were carrying approx. 255MV towards Dausa and 400/220 kV 315 MVA ICT 18.2 at Hindaur(PS) were carrying approx. 255MV towards Dausa and 400/220 kV 315 MVA ICT 18.2 at Hindaur(PS) were low to approx. 255MV towards Dausa and 400/220 kV 315 MVA ICT 18.2 at Hindaur(PS) were low towards Dausa and Low to tripping of 220 kV BassI(PG)-Dausa(PS) (PG) Ckt-18.2 horeset. The tripping of 220 kV BassI(PG)-Dausa(PS) (PG) Ckt-2 and torpping of Dausa(PS) (PG) Ckt-2 and PS) (PG) Ckt-2 and PS) (PG) (PG) (PG) (PG) (PG) (PG) (PG) (PG	1) 220 IV Bassi(PG)-Dausa(RS) (PG) Ck-1 2) 220 IV Bassi(PG)-Dausa(RS) (PG) Ck-2 3) 220 IV Artha(PT) Schaftpart(RS) (FG) Ck-1 4) 400/220 IV 31S MVA (CT 1 at Hindbarn(RS) 5) 400/220 IV 31S MVA (CT 1 at Hindbarn(RS)
20	GI-2	Rajasthan	28-02-2024 18:16	28-02-2024 20:35	02:19	200	0	0.487	0.000	41038	50247	I) During antecedent condition, 250MW Suratgarh TPS Unit-3,48.5 were generating approx. 153MW, 203MW & 205MW respectively. 400/220/W ICT-2 was under shutdown and 250MW Unit 6 was not in service. I) Arreported, all Staffer, Bab kar protection of 400W Bus-2 at Suratgarh TPS operated. Event occurred during renocation work of protection system of ICT-2. During investigation, IBB cable of ICT-2 coming to bus bar panel was found earth. Date to operation of bus bar protection of 400W Bus-2 at Suratgarh, 400 VS suratgarh 57(BVU)-Suratgarh 75(BVU)-Suratgarh 75(BV	1) 400 KV Suratgarh SCTPS(RVUN)-Suratgarh(RS) (RS) Ct-2 2) 400 KV Suratgarh(RVUN)-Ratangarh(RS) (RS) Ct-1 3) 250 MW Suratgarh TPS - UNIT 4

						De	etails of	Grid Ev	ents du	uring the	Month	of February 2024 in Western Region	जिंड-इंडिया GRID-INDIA
SI No.	Category of Grid Event	Affected Area	Time and Date of occurrence of Grid Event	Time and Date of Restoration	Duration (HH:MM)	Loss of gene load during	eration / loss of the Grid Event	% Loss of gener load w.r.t An Generation/L Regional Grid du Ever	ation / loss of ntecedent .oad in the uring the Grid at	Antecedent Geners Regional	ation/Load in the   Grid*	Brief details of the event ( pre fault and post fault system conditions)	Elements Tripped
	( GI 1or GI 2/ GD-1 to GD-5)					Generation Loss(MW)	Load Loss (MW)	% Generation Loss (MW)	% Load Loss (MW)	Antecedent Generation (MW)	Antecedent Load (MW)		
1	GI-1	WR	13:22 / 02-02-2024	14:26 / 02-02-2024	01:04	-	26	-	0.04%	73800	68305	At 13:22 Ws / 02:02:2024, Rashover of Y-ghase Potential Transformer of 220 IV Kharghan-Bus-1 resulted in tripping of 220 KV Kharghan-Bus-1 and all connected elements on bushar protection operation. Load loss of around 26 MW occurred due to the event.	Impage on numming elements:           1.200 VK hungher-Bus 1           2.200 VK hungher-Aran-1           2.200 VK hungher-Ament           4.200 VK hungher-Ament           2.200 VK hungher-Ament           2.200 VK hungher-Ament           4.200 VK hungher-Ament           5.200 VK hungher-Ament           5.200 VK hungher-Ament           6.200 VK hungher-Ament           6.400/200 V315 MVA hungher KT 3           5.400 August           6.400/200 V315 MVA hungher KT 3
2	GD-1	WR	20:01 / 04-02-2024	02:05 / 05-02-2024	06:04	29	-	0.04%	-	68384	58109	At 20:01 Hrs / 04-02 2024, 220 IV Bhuj-Gadhsisa and 220 IV Bhuj-Baranda tripped on Y-E fault and B-E fault respectively due to faling of conductor on gantry at Bhuj End. Generation loss of 24 MW and 5 MW reported at Baranda (ASPE) and Gadhsisa (Renew AP2) Wind Power Plants respectively.	Tripping of follwing elements: 1. 220 kV Bhuj-Baranda 2. 220 kV Bhuj-Gadhsisa
3	GD-1	WR	18:01 / 05-02-2024	19:55 / 05-02-2024	01:54	6	-	0.01%	-	75788	66658	At 18:01 Hrs /US-02-2024, 220 HV Bhuij-Kotda Madh tripped on B-E fault from Kotda Madh end only, auto recloser successfully operated from Bhuj end. Generation loss of 6 MW occurred at Kotda Madh (Alfanar) wind power plant due to loss of evacuation path.	Tripping of follwing elements: 1. 220 kV Kotda Madh-Bhuj
4	GD-1	WR	09:41 / 06-02-2024	10:04 / 06-02-2024	00:23	-	500	-	0.69%	78442	72530	At 09:41 Hry06b22024, flashover in 8-phase bus side loadstor of 400 W Gandhar-Hazira 2 & Gandhar end resulted in hus bar protection operation at 400 W Gandhar Bus 1 and tripping of all connected elements. 400 W Hazira-Bus 18:2 also tripped as 400 W Gandhar-Hazira 2 was already under planned shutdown since 09:07 hrs / 06:02.2024. Load loss of around 500 MW arounder at Nazira IAMN01 Units. In two of execution onth	Tripping of follwing elements- 1. 400 kV Gandhar-Hazira-1&2 2. 400/220 kV Hazira-ICT-1 &2
5	GD-1	WR	18:10 / 07-02-2024	19:28 / 07-02-2024	01:18	115	-	0.16%	-	72368	65000	At 18:10 Hrs/07.02.2024,220 kV Bhuj-Gadhsia tripped on R-E fault from Gadhsias and only and auto recloser successful at Bhuj and. Generation loss of 115MW occurred at Gadhsias (Renew Power) wind power plant due to loss of evacuation path	Tripping of follwing elements- 1. 220 kV Bhuj Gadhsisa
6	GD-1	WR	02:26 / 10-02-2024	03:24 / 10-02-2024	00:58	-	-	-	-	61355	54686	At 02:26 Hrs/10-02-2024, 220 kV Tillari-Hakarni and 220 kV Tillari-Amona tripped on distance protection operation from remote ends due to fault in 33 kV Kanur feeder connected to Halkarni. No load loss / generation loss occurred due to the event.	I npping of follwing elements 1. 220 kV Tillari-Halkarni 2. 220 kV Tillari-danoga
7	GD-1	WR	15:28 / 12-02-2024	22:37 / 19-02-2024	175:09	0	-	0.00%	-	72348	68302	Pri 152 and 57 (12022) 2022 To the matter is become the same to ever the same board of the operation of the same board of the operation of the operation of the same board of the operation of the same board of the same board of the operation of the same board of th	1.400 kV Vav-Jhanor 2.400 kV Vav-Jhanor
8	GD-1	WR	18:38 / 12-02-2024	22:07 / 12-02-2024	03:29	5		0.01%	-	68384	58109	A2 20:01 Hrs / 12-02-2024, 220 kV Baranda-Bhuj tripped on 8-E fault. On patrolling it was bound that tripping was done by some local villagers by throwing foreign object on line near tower number 231. Generation loss of around 5 MW occurred reported at Baranda (ASIPL) Wind Power Plant due to loss of evacuation path.	1. z20 kV Bhuj-Baranda
9	GD-1	WR	19:09 / 13-02-2024	00:38 / 14-02-2024	05:29	36.26	-	0.05%	-	73007	64860	At 19:09 Hrs / 13-02-2024, 220 kV Baranda-Bhuj tripped on B-E fault. On patrolling it was found that tripping was done by some local villagers by throwing foreign object on line near tower number 238. Generation loss of around 36.26 MW occurred reported at Baranda (ASIR), Wind Power Pant due to loss of evacuation path.	Tripping of follwing elements: 1. 220KV Bhuj-Baranda
10	GD-1	WR	19:15 / 14-02-2024	01:11 / 15-02-2024	05:56	78.24	-	0.11%	-	73908	64020	At 19-15 Hrs / 14-02-2024, 220 AV Barands-Bhuj tripped on B-E fault. On patrolling it was found that tripping was done by some local villagers by throwing foreign object on line near tower number 260. Generation loss of around 78.24 MW occurred reported at Baranda (ASIR), Wind Power Plant due to loss of evacuation path.	Tripping of follwing elements: 1. 220KV Bhuj-Baranda
11	GD-1	WR	18:48 / 15-02-2024	21:37 / 15-02-2024	02:49	47.5	-	0.06%	-	74058	65280	At 18:48 Hrs / 15-02-2024, 220 kV Baranda-Bhuj tripped on B-E fault. On patrolling it was found that tripping was done by some local villagers by throwing foreign object on line near tower number 260. Generation loss of around 47.5 MW occurred reported at Baranda (ASIPL) Wind Power Plant due to loss of evacuation path.	Tripping of follwing elements: 1. 220KV Bhuj-Baranda
12	GI-1	WR	14:21 / 19-02-2024	18:10 / 19-02-2024	03:49	49.1	-	0.07%	-	68439	62866	At 14:21 Ws / 19-02-2024, Failure of B-phase suspension disc insulator string of 220 kV Raigarh/MP/Faigarh/RD/F. bay at Raigarh/MP/ caused in flashower from gantry to conductor resulting in Bushar protection opeartion of 220 kV Raigarh(MP/Bus-1 and tripping of all connected elements. Generation loss of 49.1 MW occurred at Clean Wind Power due to the event.	Tripping of following Elements: 1.201 kV Jagurh(MP)-Bust 2.201 kV Jagurh(MP)-Galgarh(PG)-1 3.201 kV Jaggrh(MP)-Clean Wind Power 4.20/132 kV Jagurh(MP)-KT-2 (100 MVA)
13	GD-1	WR	12:09 / 24-02-2024	16:41 / 24-02-2024	04:32	-	400	-	0.58%	75696	68566	At 12:09 Ws / 24:02 2024. 2021 WS Sitara-Main Bus Potential Transformer cable was short circuited resulting in tripping of 220 WS Sitara-Main Bus VS Sitara-Main Bus became dead due to these trippings (Bus bar protection not operated). Generation loss of 400 MW occured at Sitara due to the event.	Tripping of following Elements: 1.202 kV Siltara-Darkefhi 2.208 kV Siltara-Raita 3.202 kV Urbi-Siltara 4.202 kV und Siltara-Raipu(PG) 5.202 kV Siltara-Nain Bus 5.202 kV Siltara-Nain Bus
14	GI-1	WR	04:57 / 25-02-2024	06:20 / 25-02-2024	01:23	-	-	-	-	73006	66947	AI 04:57 Ws / 25-02-2024, Busbar protection operation in 220 W Kansari-Bus-2 resulted in tripping of 220 W Kansari-Bus-2 and all connected elements. On inspection it is suspected that the fault might have occurred due to bird coming near to the gantry. No load loss occured due to the event.	Tripping of following Elements:           1.20 W/ Kansar-Therad           2.20 W/ Kansar-Thewr-2           2.20 W/ Kansar-Thewr-2           2.20 W/ Kansar-Thewr-3           2.20 W/ Kansar-T-34 d(15 M/W)           8.2006 GW Kansar-(T-31.06 M/WA)
15	GI-1	WR	12:11 / 25-02-2024	13:17 / 25-02-2024	01:06	47	-	0.06%	-	76406	69412	At 12:11 Hrs / 25-02-2024, 220/33 kV Kotda Madh-KT-182 tripped on under voltage protection operation for fault in 33 kV Feeders. On checking the relay settings it was observed that the Time setting for under voltage protection was neither coordinated with UVRT settings of WTGs. Generation loss of 47 MW occured at Kotda Madh/Alfanar) due to the event.	Tripping of following Elements: 1. 220/33 kV Kotda Madh-ICT-1&2
16	GD-1	WR	11:16 / 26-02-2024	12:28 / 26-02-2024	01:12	434	-	0.56%	-	78149	71043	At 11:16 Hs / 26-02-2024, 400 KV Tammar-TRN Energy-18.2 tripped from TRN Energy end only on receipt of Direct Trip (DT). On inspection no fault or abnormality found in line or Tammar end. Generation loss of 434 MW occured at TRN Energy due to loss of evocuation path.	Tripping of following Elements: 1. 400 kV Tarmar-TRN Energry-18.2 2. TRN Unit-18.2 (300 MW)

						]	Details	of Grid I	Events	during th	ne Mont	h of February 2024 in Southern Region	fys-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 / loss of load during the Grid Event		% Loss of generation / loss of load w.r.t Antecedent Generation/Load in the Regional Grid during the Grid Event		Antecedent Genera Regional	tion/Load in the Grid*	Brief details of the event ( pre fault and post fault system conditions)	Elements Tripped
	( GI 1or GI 2/ GD-1 to GD-5)					Generation Loss(MW)	Load Loss (MW)	% Generation Loss (MW)	% Load Loss (MW)	Antecedent Generation (MW)	Antecedent Load (MW)		
1	GD-1	Tamil Nadu	03-02-2024 19:22	05-02-2024 10:06	14:44	0	0	0.00%	0.00%	43266	46525	Complete outage of 765W Anyolar and 765W NOPS of TANTRANSCO. 765W Anyolar and 765W NOPS are being radially fed from 765W Anyolar-Thiruvalam-2. The triggening condicient is the tripping of 755W Anyolar-Thiruvalam-2 at Thiruvalam end on the operation of over-voltage protection and DT was sent to the remote end. From theD at Thiruvalam end, voltages observed are W – 66.62W, W – 58.43W, Who – 36.13W which is 105% of rated voltage. Since 765W Anyolar and 765W NCPS are being radially fed from 765W Anyolar- Thiruvalam-2 tripping of this line led to a Complete outage of 765W Anyolar and 765W NCPS.	1.765kV Ariyalur Thiruvalam Line-2
2	GD-1	Karnataka	22-02-2024 14:18	22-02-2024 14:53	0:35	0	710	0.00%	1.14%	52763	62448	Complete outage of 220X Value, Analisers, Bettedwarkers, Stralloppa andfraping of Ru-2 at Normal, KB Cross and 40XV Bur-1 and Bur-2 at Talapapos of VPTCL in The antecenter condition, 20XV folder, Analisers, Bettedwarkers, Stralloppa and Bur-2 Honnik, KB Cross and 40XV Bur-1 and Bur-2 at Talapapos of VPTCL in the the R N I and In 2 20XV Value, Analisers, Bettedwarkers, Bettedwark	1. 220kV Shimoga-Anthrasanahalii 2. 220kV Shimoga-Hassan 3. 400/220kV Talaguppa ICT-1 4. 400/220kV Talaguppa ICT-3
3	GD-1	Karnataka	23-02-2024 14:10	23-02-2024 14:54	0:44	0	181	0.00%	0.29%	54025	63381	Complete outage of 220X/66XV Dwanagere 55, 220X/66XV Hosadorga 55, 220X/66XV Benkkere 55 and Tripping of 220XV Bun-1 of 220X/66XV Honnali 55 of KPTQL : During the antecedent conditions 220X/66XV Dwanagere 55, 220X/66XV Hosadorga 55, 220X/66XV Benkkere 55 and 220XV Bun-1 of 220X/66XV Honnali 55 were being radially fed through 20XV/220XV Ganture Sthrough 220X Conturn-Dwanagere 1, and 3 lines of which line - 2vas under Groet outage. The Table 20XV/66XV Honnali 55 were being radially fed through 20XV/220XV Ganture Sthrough 220X Conturn-Dwanagere 1, and 3 lines of which line - 2vas under Groet outage. The Table 20XV Ganture 220XV Ganture 220XV/66XV Honnali 55 were being radially fed through 20XV/220XV Ganture Sthrough 220X Conturn-Dwanagere 1, and 3 lines of which line - 2vas under Groet outager. The Table 20XV Ganture 220XV Ganture 20XV/220XV Ganture Brites and a star 1, and 3 lines of which line - 2vas under Groet outage. The Table 20XV Ganture 20XV/220XV Ganture Brites and a star 1, and 3 lines of which line - 2vas under Groet outage. The Table 20XV Ganture 20XV/220XV Ganture Brites and 20XV Ganture 20XV/220XV Ganture Brites and 20XV Ganture 20XV/220XV Ganture Brites and a star 1, and 3 lines of which line - 2vas under Groet outage. The Table 20XV Ganture 20XV/220XV Ganture Brites and 20XV Ganture 20XV/220XV	1. 220kV Guttur-Davanagere-1&3
4	GD-1	Karnataka	24-02-2024 06:52	24-02-2024 11:52	5:00	118	0	0.30%	0.00%	39436	54735	Complete Outage of 220kV Kadra PH of KPCL and 220kV/110kV Karwar SS of KPTCL: During antecedent conditions, 220kV Kaiga Kadra and 220kV Kaiga Kodasaly were under outage. 220kV Kadra PH and 220kV/110kV Karwa SS were being radially fed through 220kV Kadra Kodasili line. As per the reports submitted, the triggering incident was an R-N fault in 220kV Kadra Kodsalli line. Tripping of this line led to a complete outage of 20kV Kadra PH and 220kV/110kV Karwar SS.	1. 220kV Kadra Kodsalli
5	GI-1	Karnataka	07-02-2024 13:14	07-02-2024 14:15	1:01	0	49	0.00%	0.08%	52454	58574	Tripping of 220kV Bus-1 of 220kV/G6kV Chintamani SS of KPTCL: As per the reports submitted, the triggering incident was 220kV Bus-1 BBP maloperation causing all the lines connected to 220kV Bus-1 to trip.	1. 220kV Kolar Chintamani Lilne-1 2. 220kV Chintamani Sriniasapura Line-2 3. 220kV/66kV Chintamani Auto Transformer-1
6	GI-2	Andhra Prasdesh	14-02-2024 06:58	14-02-2024 10:16	3:18	0	0	0.00%	0.00%	42948	56288	Tripping of 400kV Bus-1 of 400kV/220kv Kalpakka SS of APTRANSCO : As per the reports submitted, the triggering incident was isolator failure in 400kV Kalpakka Simhadri Line-4 at Kalpakka SS causing a B-N fault in 400kV Kalpakka SSmhadri Line-4 at Kalpakka SS causing a B-N fault in 400kV Kalpakka SSmhadri Line-4 at Kalpakka SS causing a B-N fault in 400kV Kalpakka SSmhadri Line-4 at Kalpakka SS causing a B-N fault in 400kV Kalpakka SSmhadri Line-4 at Kalpakka SS causing a B-N fault in 400kV Kalpakka SSmhadri Line-4 at Kalpakka SS causing a B-N fault in 400kV Kalpakka SSmhadri Line-4 at Kalpakka SSmhadri Line-4 at Kalpakka SSmhadri Line-4 at Kalpakka SS causing a B-N fault in 400kV Kalpakka SSmhadri Line-4 at Kalpakka SS causing a B-N fault in 400kV Kalpakka SS causing a B-N fault in 400kV Kalpakka SSmhadri Line-4 at Kalpakka SS causing a B-N fault in 400kV Kalpakka SS causing a B-N fault in 400kV Kalpakka SSmhadri Line-4 at Kalpakka SS causing a B-N fault in 400kV Kalpakka SS causing a B-N fault in 400kV Kalpakka SSmhadri Line-4 at Kalpakka SS causing a B-N fault in 400kV Kalpakka SS cau	1. 400kV Kalpakka-Simhadri-4, 2. 400kV Hinduja-Kalpakka-1 3. 400/220kV ICT-1 at Kalpakka
7	GI-1	Telangana	27-02-2024 17:32	28-02-2024 21:06	3:34	0	0	0.00%	0.00%	43952	55879	Tripping of 220X Bus-2 of 220X KTPS station of TSGENCO. As per the reports submitted, the triggering incident was LBB maloperation in 220X KTPS Nunna line which is connected to 220X Bus-2 at the KTPS end. Immediately all the elements connected to Bus-2 tripped.	1. 220kV KTPS Nunna 2. 220kV KTPS BG Kothuru 3. 220kV KTPS Manuguru Line-2

							Detai	ls of Grio	d Even	ts during	the Mo	nth of February 2024 in Eastern Region	🚺 ग्रिड-इंडिया GRID-INDIA
SI No.	Category of Grid Event	Affected Area	Time and Date of	Time and Date of Restoration	Duration (HH:MM)	Loss of generation / loss of load during the Grid Event		% Loss of generation / loss of load w.r.t Antecedent Generation/Load in the Regional Grid during the Grid Event		Antecedent Generation/Load in the Regional Grid*		Brief details of the event ( pre fault and post fault system conditions)	Elements Tripped
	( GI 1or GI 2/ GD-1 to GD-5)					Generation Loss(MW)	Load Loss (MW)	% Generation Loss (MW)	% Load Loss (MW)	Antecedent Generation (MW)	Antecedent Load (MW)		
1	GD-1	Dhanbad	16.02.2024 09:15	16.02.2024 11:52	02:37	0	90	0.00%	0.43%	30046	20809	AI 09:15 Hrs on 16.02.2024, Bus Bar protection of both bus operated (due to Shorting of 8-Phase MB#2 and Y-Phase MB#1 due to some foreign element) at 220/132 kV Dhanbad 5/5 which led to total power failure at 220/132 kV Dhanbad (DVC) 5/5. Around 50 MW load loss occurred: 220KV Dhanbad Bus normalized through 220 kV Dhanbad-Giridh. ckt#1 at 11:52 hrs.	220 kV Main Bus-1 & 2 at Dhanbad 220 kV Main Buintino-Dhanbad D/c 220 kV Gritho-Bandad D/c 220 kV Gritho-Bandad D/c 220 kV Gritho-Bandad D/c 220 kV Gritho-Bandad D/c

				Ē	Details	of Grie	d Event	ts during	the M	onth of F	ebruary	y 2024 in North Eastern Region	🚺 ग्रिड-इंडिया GRID-INDIA
SI	Category of Grid Event	Affected Area	Time and Date of	Time and Date of	Duration (HH-MM)	Loss of generation / loss of load during the Grid Event		% Loss of gener load w.r.t A Generation/I Regional Grid du Even	ration / loss of ntecedent Load in the uring the Grid nt	Antecedent Genera Regional	tion/Load in the Grid*	Brief details of the event ( pre fault and post fault system conditions)	Elements Tripped
	( GI 1or GI 2/ GD-1 to GD-5)				(1111.1111)	Generation Loss(MW)	Load Loss (MW)	% Generation Loss (MW)	% Load Loss (MW)	Antecedent Generation (MW)	Antecedent Load (MW)		
1	GD I	Churachandpur and Thanlon areas of Manipur power system	01-02-2024 22:47	01-02-2024 23:25	00:38:00	0	8	0.00%	0.40%	1518	1983	Churachandpur and Thanion areas of Manipur Power system was connected with the rest of the grid by 132 V Hingthoukhong- Churachandpur II liber. 132 kV Ningthoukhong-Churachandpur II line is under outage since 13/01/2004. Alko, 132 kV Churachandpur- Rackning & 132 kV Churachandpur-Falaglaengolxig lines is out since 08/06/2023. At 22-47 hrs of 01/2024. 132 kV Ningthoukhong- Churachandpur II line tripped and Churachandpur and Thanion areas of Manipur Power system got separated from rest of the grid due to no source available in this area. Power was extended to Churachandpur and Thanion areas of Manipur Power system by charging 132 kV Ningthoukhong-Churachandpur	132 kV Ningthoukhong-Churachandpur II
2	GD I	Churachandpur and Thanlon areas of Manipur power system	02-02-2024 01:37	02-02-2024 06:45	05:08:00	0	5	0.00%	0.33%	1181	1506	II line at 23.25 kms of 01/02/02024. Obundandapua and Thankon areas of Manipur Power system was connected with the rest of the grid by 132 kV Ningthoukhong- Obundandapua II line. 132 kV Ningthoukhong-Obundahorg II line is under outage since 13/02/2024. Alico, 132 kV Obundahadgua Churachandpus II line. 132 kV Obundahong-Obundahorg V line is under outage since 13/02/2024. Alico, 132 kV Obundahadgua Churachandpus II line tripped and Obundahorg-Obundahorg V and Since 106/02/2024. Alico XI Vingthoukhong- Churachandpus II line tripped and Obundahorg V and Thankon areas of Manipur Power system got separated from rest of the grid due to no source available in this area. Power was extended to Churachandpur and Thankon areas of Manipur Power system by charging 132 kV Ningthoukhong-Churachandpur	132 kV Ningthoukhong-Churachandpur II
3	GD I	Ningthoukhong, Churachandpur and Thanlon areas of Manipur power system	02-02-2024 10:05	02-02-2024 10:32	00:27:00	0	18	0.00%	0.84%	1649	2135	II line at Hrs of 02/02/2024. Ningthoukhong, Churachandpur and Thanion areas of Manipur Power system was connected with the rest of the grid by 132 kV toktak- Mingthoukhong, 254 VI minphal(PG)-Ningthoukhong and 132 kV Ningthoukhong-Churachandpur II lines. 132 kV Ningthoukhong- Churachandpur II line is under outage since 13/01/2024. Also, 132 kV Oturachandpur-kalching, 8 132 kV Churachandpur-lingdiangpoth lines is out since 06/05/0223. A 1105 hos of 02/02/2024. J2 kV Ucktak'Ningthoukhong, 8 132 kV Churachandpur-lingdiangpoth tripped and Ningthoukhong. Churachandpur and Thanion areas of Manipur Power system got separated from rest of the grid due to no source available in this area. Power was extended to Ningthoukhong, Churachandpur and Thanion areas of Manipur Power system by charging 132 kV Imphal(PG)- Ningthoukhong in et 1032 kris of 02/02/2024.	132 kV Loktak-Ningthoukhong & 132 kV Imphal(PG)-Ningthoukhong lines
4	GD I	Ningthoukhong, Churachandpur and Thanlon areas of Manipur power system	02-02-2024 18:44	02-02-2024 19:16	00:32:00	0	19	0.00%	0.76%	2821	2492	Nengthoukhong, Churckhandgur and Thanlon areas of Manipur Power system was connected with the rest of the grid bp 112 VL totak- nengthouhong, 124 VI Impair[G5]-Mentokhong and 124 VI Wengthoukhong-Churchandpur II lines I as ut a more than a structure of the grid bp 112 VL totak- Churchandpur II line is under outage since 13/01/2024. Also, 124 VC Unurchandpur VI lines [as 124 VI Unurchandpur-Lineghangpoth) lines is out since (G5/02/022. 1124 kH no f0/20/2024. 2124 VL totak-kinghouthong & 132 VL VI Unurchandpur-Lineghangpoth tripped and Ningthoukhong. Churchandpur and Thanlon areas of Manipur Power system got separated from rest of the grid due to no source available in this area.	132 kV Loktak-Ningthoukhong & 132 kV Imphal(PG)-Ningthoukhong lines
5	GD I	Churachandpur and Thanlon areas of Manipur power system	08-02-2024 12:57	08-02-2024 15:09	02:12:00	0	7	0.00%	0.34%	1470	2033	Membrowshoen line at 19.6 f. Kar of 17.07.2023 Orunzahadpur and Thanion areas of Manipur Power system was connected with the rest of the grid by 13.2 kV Ningthoukhong- Churachandpur II line. 13.2 kV Ningthoukhong Churachandpur II line is under outage aince 12/0/2.2024. Also, 13.2 kV Churachandpur- Kaching & 13.1 kV Churachandpur-Balgengokpi line are out since 08/6/0/2021. Also, 13.2 kV Churachandpur- Jan 2022 and 2022	132 kV Ningthoukhong-Churachandpur II
6	GD 1	Churachandpur and Thanlon area of Manipur power system	21-02-2024 06:57	21-02-2024 07:31	00:34:00	0	2	0.00%	0.09%	1680	2202	Due to the outage of 132 kV Churachandpur-Kakching, 132 kV Churachandpur-Elangkangpokpi and 132 kV Ningthoukhong- Churachandpur 1 line, Churachandpur and Thailon area of Kanipur ratiality connected with rest of the grid with through 132 kV Ingthoukhong-Churachandpur line, Churachandpur II line tripped resulted into the blackout of the Churachandpur and Thainon area of Manipur power system. Power was extended to 132 kV Churachandpur \$/5 by charging 132 kV Ningthoukhong-Churachandpur II Line at 07:31 His of 21-02- 2024.	132 kV Ningthoukhong- Churachandpur II
7	GD 1	Kolasib, Turial and Bairabi areas of Mizoram Power System	22-02-2024 13:47	22-02-2024 16:23	02:36:00	0	5	0.00%	0.27%	1254	1861	Kolasib, Turial and Bairabi areas of Mizoram Power System were connected with rest of NER Grid through 132 kV Badarpur-Kolasib line and 132 kV Aizawi Kolasib line. A11347 kr of 252-0202,1124 kV Badarpur-Kolasib and 132 kV Aizawi Kolasib tripped. Due to tripping of this element, Kolasib, Turial and Barabia areas of Mizoram Power System were losited from NER Grid and collapsed due to no source available in these areas. Power was extended to Kolasib, Turial ad Barabi areas of Mizoram Power System by charging 132 kV Aizawi-Kolasib line at 16.23 Hrs, subsequently 132 kV Badarpur-Kolasib line at 16.24 Hrs of 22.02.2024.	132 kV Badarpur-Kolasib & 132 kV Alzawi Kolasib
8	GD 1	Karong area of Manipur Power System	28-02-2024 20:40	28-02-2024 21:56	01:16:00	0	15.8	0.00%	0.64%	2499	2455	132 LV Karong Sultstation of Manipur Power System was connected with rest of NER Grid via 132kV Karong-Kohima and 132 kV Karong- Imphal (Yurembam) lines. At 20:04 Nr of 28.02.2024, 132kV Karong-Kohima and 132 kV Karong-Imphal (Yurembam) lines tripped. Due to tripping of these dements, Karong are of Manipur Power System ks isolated from NER Grid and collapsed due to no source available in this area. Power supply was extended to Karong area of Manipur Power System by charging 132kV Karong-Kohima at 21:56 Hrs of 28.02.2024.	132kV Karong- Kohima & 132 kV Karong- Imphal (Yurembam)
9	GI 2	AGBPP	23-02-2024 06:31	-	-	223	0	13.43%	0.00%	1660	2065	AGBP UP 17 Lt. 576-31 under tripped condition since 12.502.2024 due to cooling water system failure (Under Planned shutdown from 0007 His of 13.02.2024). As reported from AGBPP, at 06.21 Hrs station transformer tripped which lead to tripping all gas compressors and subsequently tripped all available unit (10.102, 31, 41, 52, 60, 88, 99). Restoration time of various units are as follows:- Unit 1 : 23.02.2028 4052 Hrs Unit 2 : 302.2028 4052 Hrs Unit 2 : 302.2028 0.06 Hrs	All available Units