						I	Details	of Grid I	Events	during th	e Mont	<u>h of June 2024 in Northern Region</u>	णिड-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 Ar Generation/L Regional Grid du Ever	ation / loss of ntecedent oad in the uring the Grid at	Antecedent Genera Regional	tion/Load in the Grid*	Brief details of the event ( pre fault and post fault system conditions)	Elements Tripped
	( GI 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	Delhi	01-06-2024 15:40	01-06-2024 18:05	02:25	0	98	0.000	0.131	64982	74546	1/220/G6W DDDCDV/ has double main Bus arrangement at 220W 3de. 1/220/G6W DDDCDV/ has double main Bus arrangement at 220W 3de. 1/20/G6W DDDCDV/ has double main Bus arrangement at DDDCDV/ Hough 220 W DDDC-Bawana (DV) ck-1 & ck-2 was approx. 44MW & SMMV respectively (as per SCADA). 220 W DDRC-Bawana (DV) ck-1, 220/64W 160MW A(C-1 & LODMVA(C-1 & LODMVA). DVB. ac cupier 0210W bar-1 & BODCDV war 24 DV DDRC- Bawana (DV) ck-2, 2006W 100MWA (C-1 & BOMVA (C-1 & BODCW) war 24 DDRCDV, Bus ccupier 0210W bar-1 & BODCV Bar-1 & BODCW). Bus ccupier 0210W bar-1 & BotA - 2 & LODMVA (C-1 & LODMVA). Ch-2 & LODMVA (C-1 & LODMVA). DVBC- Bawana (DV) ck-2, 2006W 100MWA (C-1 & BOMVA (C-1 & BODCW) war 24 DDRCDV Bar-2 & LODMVA (C-1 & LODMVA). DVBC- Bawana (DV) ck-2, 2006W 100MWA (C-1 & BODCW) war 24 DDRCDV (DVB ac 24 DDRCDV). Balar epsted, at 150A DOX, ct 3 = 0.00 hs, 220 W DSDC- Bawana (DV) ck-1 & BotA = 0.00 hs, 220 W DSDC- Bawana (DV) ck-1 & BotA = 0.00 hs, 220 W DSDC- Bawana (DV) ck-1 & BotA = 0.00 hs, 220 W DSDC- Bawana (DV) ck-1 & BotA = 0.00 hs, 220 W DSDC- Bawana (DV) ck-1 & BotA = 0.00 hs, 220 W DSDC- Bawana (DV) ck-1 & BotA = 0.00 hs, 220 W DSDC- Bawana (DV) ck-1 & BotA = 0.00 hs, 220 W DSDC- Bawana (DV) ck-1 & BotA = 0.00 hs, 220 W DSDC- Bawana (DV) ck-1 & BotA = 0.00 hs, 220 W DSDC- Bawana (DV) ck-1 & BotA = 0.00 hs, 220 W DSDC- Bawana (DV) ck-1 & BotA = 0.00 hs, 220 W DSDC- Bawana (DV) ck-1 & BotA = 0.00 hs, 220 W DSDC- Bawana (DV) ck-1 & BotA = 0.00 hs, 220 W DSDC- Bawana (DV) ck-1 & BotA = 0.00 hs, 220 W DSDC- Bawana (DV) ck-1 & BotA = 0.00 hs, 20 W DSDC- Bawana (DV) ck-1 & BotA = 0.00 hs, 20 W DSDC- Bawana (DV) ck-1 & BotA = 0.00 hs, 20 W DSDC- Bawana (DV) ck-1 & BotA = 0.00 hs, 20 W DSDC- Bawana (DV) ck-1 & BotA = 0.00 hs, 20 W DSDC = 0.00 hs, 20 W DSDC- WA 220 W DSDC- WA 220 W DSDC- War 240 hs, 20 W DSDC = 0.00 hs, 20 W DSDC (DV) us at a sectored, by S1DC-Deth, load los of approx. 98 MW ccurred. Wil/A reported, at 18.05hr, power supply restored at 220/66W DSDC(DV) us at a sector ck-1 & 2 f	1) 220 W DSDC dawana (DV) ch 1 2) 220 W DSDC dawana (DV) ch 2
2	GI-2	Haryana, Punjab, Uttar Pradesh and Rajasthan	01-06-2024 13:26	01-06-2024 13:52	00:26	1835	545	2.627	0.664	69862	82023	IAs reported, at 13:26 krs, 765 kV Meerut Bhiwani (PG) Ck-1 tripped from Bhiwani(PG) end only on R-N phase to earth fault with fault current of 4.679 kA and fault distance of 148.715 km from Bhiwani(PG) end. Line was successfully auto-reclosed from Meeru(PG) end. IIJA per PMU at Bhiwani(PG), R-N phase to earth Bult with Bult Clearing time of B0ms is observed. Voltage diped spto 0.779 p.u. at Bhiwani(PG). IIIJA per SADA, heapen INR total ada generation of approx. 350 MV (IST SGL=1-1655 MV) was observed witch almost revived within 5 minutes. Volbue to a significant dip in Regrenation fapore. 140 MV is also observed. Vi/Due to a significant dip in Regrenation fapore. 340 MV IST SGL=0.735 KW (Volbue) to 49.575 HJ. V) As per SADA, total change in Northern region demand of approx. 353 KW (Punjab: ~445 MV, UP- *100 MVI) is observed. Demand dipped in Punjab area due to df/dt operation as informed by Punjab SJDC. As reported by SJDC Punjab, load loss of ~427 MV occurred due to df/dt operation in Punjab.	3) 765 KV Meerut-Bhiwani (MS) CLt 1
з	GI-2	Delhi, Haryana, Punjab, Uttar Pradesh and Rajasthan	01-06-2024 13:43	01-06-2024 14:35	00:52	3180	1300	4.567	1.570	69630	82782	Us reported, at 13-33 krs, 400 KV Bawano-Mundha (DV) CK-18.2 trigged from Mundka(DV) end only on R B phase to phase bulk (phase sequence issue deverved (react reason, nature and location of fault yet to be shared); no trigging reported at Bawana(DV) end. Fault was sensed in zone 4 at Bawana(DV), but zone 4 got reset as fault got cloared before zone 4 line delay. If Jape FM VII 4 shall bulk(DJ)(DV), FA Jape to phase bulk with Multi clearing time of 80ms is observed. Voltage disped upto 0.559 p.u. at Abulitapur(PG). Iii)As per KVII 4 shall bulk(DJ)(DV), FA Jape to phase bulk with Multi clearing time of 80ms is observed. Voltage disped upto 0.559 p.u. at Abulitapur(PG). Iii)As per KVII 4 shall bulk total solar generation of approx. 3120 MV (ISTS 50ar: ~2710 MV, Rajantian Solar: ~110 MV) was observed which almost revider within 60 minutes. Change in Baytathan wind generation of approx. 3100 MV (Deit-12 M), Mayama '235 MV, Punjab: ~555 MV, UP ~220 MV) is observed. Demand disped in UP and Punjab area due to df/dt operation as informed by UP and Punjab SLDC. As reported by SLDC Punjab, load loss of ~533 MV occurred due to df/dt operation in Punjab.	1) 400 KV Bawana-Mundha (DV) CA: 1 2) 400 KV Bawana-Mundha (DV) CA: 2
4	GD-1	Rajasthan	02-06-2024 01:04	02-06-2024 02:18	01:14	0	247	0.000	0.335	53813	73790	11220/1324 Kuthihera(RS) has double main flus arrangement at 220W side. 11220/1324 Kuthihera(RS) has double main flus arrangement at 220W side. 1120m antecedent condition, incoming power at Kuthihera(RS) 5/h through 220 KV Nemmana/PG)-Kuthihera(RS) (RS) CKt & 220 KV Bihwad(PG)- Kuthihera(RS) (RS) CAT was approxe. 91MW & 142MW respectively (a per SCADA). 220W lines from Kuthihera (RS) (RS), Kthangan(RS) were not in service. Two bases are connected only through biolator. 110/Ar type content, at 02.04%, yPhane CT of 220 KV Nemmana/RG) Kuthihera(RS) (RS) (Rt at Kuthihera(RS) fab lasted which resulted in Buc bar fault and bus bar protection operated. 10/A In the vegetare contended only through biological (RT) (RS) (CR) CT at Kuthihera(RS) and 220/132W LG0MM (RCT-1 & 2 at Kuthihera(RS) (RS) (RS) (RT) (RT) (RT) (RT) (RT) (RT) (RT) (RT	11 220 FV Reservend(RG) Kushkhera(RS) (RS) Ckt 22 20 FV Bhaad(PG)-Kushkhera(RS) (RS) Ckt 31 220 FV Bhaad(PG)-Kushkhera(RS) 42 20(1332V 160M/A, ICT-3 at Kushkhera(RS)
5	GD-1	Jammu and Kashmir	03-06-2024 17:33	03-06-2024 20:20	02:47	0	120	0.000	0.163	57513	73807	(As reported, at 17:33hrs, 220 kV Barr(K)-Kishenpur(PG) CK-1 tripped on R-N phase to earth fault with fault current of 5.094kA from Kishepur(PG) end (as per DB), As per DR, none-1 distance protection operated at Kishepur(PG) end (exact reason and location of fault yet to be shared). Tollowing the same time, 220 kW Barr((K)-Kishempur(PG) CK-1 at Kisheppur(PG) and (an exeminated variant for the shared). Kishepur(PG) end (as per DB), fault sensed in zone-2 at Kisheppur(PG) and (an exeminated variant for Kishepur(PG) end. Wighter to tripping et box 220 kW Barr((K)-Kishempur(PG)). Ext. 22, complete bialcond current of 220 kW Barr((KK) S/A. Wighter to FSADA, load loas of approx. 120MW occurred in L&K control area.	1220 VV Barry(K) Kohenpur(PK) CK+1 2220 VV Barry(K) Kohenpur(PK) CK+2

						Ī	Details o	of Grid I	Events	during th	e Mont	h of June 2024 in Northern Region	🚺 ग्रिड-इंडिया GRID-INDIA
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	( GI 1or GI 2/ GD-1 to GD-5)					Generation Loss(MW)	Load Loss (MW)	% Generation Loss (MW)	% Load Loss (MW)	Antecedent Generation (MW)	Antecedent Load (MW)		
6	GI-1	Haryana	03-06-2024 00:38	03-06-2024 01:26	00:48	0	565	0.000	0.763	53147	74075	(JA reported, at 00.38 krs, burning of B-ph CT of 220kV bus coupler-2 at Panipat(BB) end occurred which created B-N phase to earth fault in busbar differential zone. The reason of burning of the B-ph CT was observed to be some internal fault in hightacre make CT installed on the bay on 39th November 2018. (JThe Numerical low Impedance type MiCom P741 Bus-Bar Differential Protection Scheme (ALSTOM make) sensed the fault and operated tripping all the elements on either side of bas coupler is. 220X Bus 24 Baray 24 Panipat(BB), (JThe Numerical low Impedance type MiCom P741 Bus-Bar Differential Protection Scheme (ALSTOM make) sensed the fault and operated tripping all the elements on either side of bas coupler is. 220X Bus 24 Baray 24 Panipat(BB), (JThe Section, basel bas 20X Bury) at Baray 24 Panipat(BB), (JThe Section, basel bas 20X Bury) at Baray 24 Panipat(BB), (JThe Section, basel bas 20X Bury) at Baray 24 Panipat(BB), (JThe Section, basel bas 20X Bury) at Baray 24 Panipat(BB), (JThe Section, basel bas 20X Bury) at Baray 24 Panipat(BB), (JThe Section, basel bas 20X Bury) at Baray 24 Panipat(BB), at Differential Protection, Baray 20KV Bus- 24 Panipat(BB), which schemer 202 CB at Panipat(BB), wijAs remedial action taken, on 03rd June 2024 at 10 at at 10 at Baray 20KV Bus- pate of bursted CT and bus coupler-2 was changed at 17:38 hrs on 03rd June 2024.	1220 EV PringetTH(HY)-Pringet(BB) (NVPHL) Cb-1 2220 EV PringetTH(HY)-PringetBB) (NVPHL) Cb-2 2220 EV PringetTH(HY)-PringetBB) (NVPHL) Cb-3 4220 EV PringetTH(HY)-PringetBB) (NVPHL) Cb-3 4220 EV PringetBB) (NVPHL) Cb-3 2220 EV PringetBB) (NVPHL) Cb-3 2220 EV PringetBB) (NVPHL) Cb-3 2220 EV PringetBB) (NVPHL) (Cb-3 2220 EV PringetBB) (BB) (SC-3 2220 EV PringetBBB) (SC-3 2220 EV PringetBBB) (SC-3 2220 EV PringetBBB) (SC-3 2220 EV PringetBBBB) (SC-3 2220 EV PringetBBBB) (SC-3 2220 EV PringetBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBB
7	GD-1	Himachal Pradesh	03-06-2024 22:47	04-06-2024 00:14	01:27	238	0	0.430	0.000	55406	71913	(IDuring antecedent condition, 66MW Unit-1, 2, 3 & 6 at Pong HEP were running and generating approx. SBMW, 60MW, 60MW and 60MW respectively (as per SCADA). 66MW Unit-8 & 5 at Pong HEP were not in arvice. IDIA reported, 12: 227 hs, while stopped 66MW Unit-1 at Pong[BB] b-ph limb failed to open due to failure of operating mechanism of CB. Generator Circuit Breaker din ot open. Abnormal sound was observed from TG Unit 1 and smoke was also observed from TieB Dacharge Cubick of Excitation System of Unit 1. Baraker din to open. Abnormal sound was observed from TG Unit 1 and smoke was also observed from TieB Dacharge Cubick of Excitation System of Unit 1. BipUncting din drive partie in this case. To Ea Flaure condition, and the system of Unit 1. BipUncting and the same time, all other running units, Le, 60MW Unit-2, 3 & 6 at Pong HEP tripped Generator Transforme Back up Earth Fault Protection operation due to system insblance. IV/Juriher, 42:253 hs, 2200K Mu 1, 3 & 21 Pong[BB) were de-energized manually by opening all CBs of 220W feeders to save Unit 1 as the B-ph limb of makine CB was studie included position. V)Ap per FMU at Jalandhar(FG), no fault is observed in the system. However, fluctuation in voltage is observed. V)Ap per SCHOA, generation loss of approx. 238 MW at Pong HEP (BB) and no load loss is observed in HP control area.	1366 MW Hong HPS - UNIT 2 2966 MW Hong HPS - UNIT 3 3366 MW Hong HPS - UNIT 3 3206 JW Hong HPS - UNIT 6 3220 VF JW HONG HPA (1980) (V5 L1 3220
8	GD-1	Jammu and Kashmir	04-06-2024 19:31	04-06-2024 20:26	00:55	61	0	0.111	0.000	54929	71784	(Power flows from Alusterg(PC) to Drass(PC) to Kargil to Khals's to Leh (radial connection). Generation of Chutak is connected to Kargil and generation of Namoe bage is connected to Luch. User sported, at 321 bits, 220 Khalseng-Onas (PG) C4 trigged on P-V phase to earth flush with flush distance of 135m from Alusterg(PG), im(With the trigging of 220 Khalseng-Onas (PG) C4 trigged on P-V phase to earth flush with flush distance of 135m from Alusterg(PG), im(With the trigging of 220 Khalseng-Onas (PG) C4 trigged on P-V phase to earth flush with flush distance of 135m from Alusterg(PG), im(With the trigging of 220 Khalseng-Onas (PG) C4 trigged on P-V phase to earth flush distance of the Second Secon	1) 220 KV Alusteng Grass (PG) Ckt
9	GI-2	Jammu and Kashmir	04-06-2024 13:05	04-06-2024 13:25	00:20	230	0	0.324	0.000	70947	82825	IDuring antecedent condition, 130MV Uni-1, 2 & 3 at Dufusts HEP were running and generating 127MVX, 121MV and 126MV respectively (as per SCADA). Total generated power of 374MV was exacuting through 400 KV Dufust(IM)-Kthenpur[FG) [FG] Ck + 1 & 2. III) As reported, at 13 GSHx, 400 VD Dufust(IM)-Kthenpur[FG] (FG) Ck + 1 (pped on RY phase to phase fluit (eact reason and location of fault yet to be detend), kape for RA Dufust(IM)-Kthenpur[FG] (FG) Ck + 1 (pped on RY phase to phase fluit (eact reason and location of fault yet to be detend), kape for RA Dufust(IM)-Kthenpur[FG] (FG) Ck + 1 (pped on RY phase fluit) (eact reason and location of fault yet to be the Dufust(IM) (FG) (here is a scheme which identify appropriate) (pped on RY phase fluit) (eact reason and location of fault yet to be expected with HER/INFC), there is a scheme which identify appropriate data bus structures in the command to running units connected to that bus to minimize the corrected unit, Le unit 1 & 0.2 VID/act to this fault, underviolage was sensed which was identified as dead bus condition by this scheme and it sent command to unit-controller to trip the connected unit, Le unit 1 & 0.2 VID/act to this, 130MW Unit-1 and 2 at Dufusst IEP tripped. VII/As per YMU at Khepur [FG], RY has to phase that is observed with fluit clearing time of 80ms. VII/As per SOLDA, generation loss of approx. 230MW is observed at Dufusst IEP.	1360 KV Dolhast(H4) Kohenpur(P6) (P6) (K5 L6 1 2130WV Onis 1 at Ouhaat H4P 3130WV Onis 2 at Duhaat H4P
10	GI-1	Jammu and Kashmir	07-06-2024 16:29	07-06-2024 16:45	00:16	0	363	0.000	0.479	60503	75810	I/A reported, at 16:28hrs, 220/132kV 160MVA ICT 2 at Bam(J&K) tripped on over current earth fault protection operation (exact reason, location and type of fault yet to be shared). IJDue to eshared). IJDue to be shared). IJDue to advance of the shared bar where the shared bar	11220/132NV 16040VA (CT 2 at Barnjášk) 21220/132NV 16040VA (CT 3 at Barnjášk) 31220/132NV 16040VA (CT 3 at Barnjášk)

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	( GI 1or GI 2/ GD-1 to GD-5)					Generation Loss(MW)	Load Loss (MW)	% Generation Loss (MW)	% Load Loss (MW)	Antecedent Generation (MW)	Antecedent Load (MW)		
11	GI-1	Punjab	07-06-2024 08:56	07-06-2024 09:12	00:16	0	168	0.000	0.248	58735	67824	I)During antecedent condition, 220 kV lines from Jalandhar(BB) to Alawaipur, Pong ckt-2, Jamaipur ckt-2, Jamaher ckt-1, 220/664V 100MVA (CT-2, 220/1324V 100MVA (CT-4 & 220/1324V 90MVA (CT-2 were connected to 220K / Bus-2 and Butari, Pong ckt-1, Jamaipur ckt-2, Jamaher ckt-3, I20/664 V 100MVA (CT-1 and 20/1324V 100MVA (CT-8 & 3 were connected to 220K / Bus-2 and Butari, Pong ckt-1, Jamaipur ckt-2, Jamaher ckt-3, I20/664 V 100MVA (CT-1 and 20/1324V 100MVA (CT-8 & 3 were connected to 220K / Bus-1 aliandhar(BB) (St-1) and Butari, Yana Ioni, Isarvica (St-1) and 20/1324V 100MVA (CT-8 & 3 were connected to 220K / Bus-1 aliandhar(BB) (St-1) and Butari St-1) aliandhar(BB) end. Biandhar(BB) end. Bay DD, Rati Carenari et al. 224A for aliandhar(BB) (St-1) and Butari St-2) (St-1) and Bus-1 ali Jandhar(BB) end. Biandhar(BB) end. Georeance from Jalandhar(BB) end. (St-1) (SB) (Ckt-1) cmainthar(BB) (end. Bay Bonetion operated which led to tripping of all Vibuo to failure of dopendig of 200 V Janahord(BB) Jammér(P) (SB) (Ckt-1) cmainthar(BB) (end. Bay Bonetion operated which led to tripping of all 28 Buta' Connected to 220K JBus-2 and 220V JBus-2 bacame edsat, 2 Jalandhar(BB) (end. Bay Bonetion operated which led to tripping of all 24 Buta' Connected to 220K JBus-2 and 220V JBus-2 bacame edsat, 2 Jalandhar(BB) (end. Bas-2) Jalov 1200VA (CT-4 and Bus Capetric) 204K further regrestioned (end. 2006 V 100MVA (CT-3 Jalandhar(BB)) (Cl-1 Jalandhar(BB)) (Cl-2) (Cl-1) (Cl-1) Jalov 120V JBus-2 204/6 Line regrestion data and all papero. 168 MW is observed in Punjab control area.	1220 YV Manshine Rong (BI) (9-3 2020 YV Manshine Kamolyne (BI) (9-3 2020 YV Kamolyne) (BI) (9-3 2020 VK Kamolyne) (9-3 2020 KKK) (9-3
12	GD-1	Rajasthan	08-06-2024 21:03	08-06-2024 21:41	00:38	125	0	0.225	0.000	55520	75925	I]Generation of 220kV AHEJ4L PSS4(P) station evacuates through 220 KV Adam RenewPark_SL_FGARH_FBTL (AREPRL)-AHEJ4L PSS 4 HB_FGAAH_FBTL (AHEJ4L) (AREPRL) Cit. During antecedent condition, AHEJ4L PSS4(P) station was generating approx. 123MW (as per PMU). II)Ar reported, at 213Mx, 220 KV Adam RenewFark_SL_FGARH_FBTL (AREPL)-AHEJ4L PSS 4 HB_FGAAH_FBTL (AHEJ4L) (AREPRL) Cit. Tripped due to R-N Billyho to tripping C220 KV Adam RenewFark_SL_FGARH_FBTL (AREPL)-AHEJ4L PSS 4 HB_FGAAH_FBTL (AHEJ4L) (AREPRL) Cit. Tripped due to R-N Billyho to tripping C220 KV Adam RenewFark_SL_FGARH_FBTL (AREPL)-AHEJ4L PSS 4 HB_FGAAH_FBTL (AHEJ4L) (AREPRL) Cit. AHEJ4L PSS4(P) S(- to t its connectivity from grid and blackod occurred at 220K VAHEJ4L PSS4(P) (AHEJ4S AHEJ4L (SS4(P) S(- to t its connectivity from grid and blackod occurred at 220K VAHEJ4L PSS4(P) (AHEJ4S AHEJ4 (SS4(P) S(- to t its connectivity) from grid and blackod occurred at 220K VAHEJ4L PSS4(P) (AHEJ4S AHEJ4L (SS4(P) S(- to t its connectivity) from grid and blackod occurred at 220K VAHEJ4L PSS4(P) (AHEJ4S AHEJ4L (SS4(P) S(- to t its connectivity) from grid and blackod occurred at 220K VAHEJ4L PSS4(P) (AHEJ4S AHEJ4L (SS4(P) S(- to t its connectivity) from grid and blackod occurred at 220K VAHEJ4L PSS4(P) (AHEJ4L) (AREPRL) Cit. AHEJ4L PSS4(P) (AHEJ4L) (AREPRL) Cit. Tripped Ci	1) 202 KV Adust Romonfort, S.L. FORKUL FITE, (AREPRE)-Antole, PSS 4 10. FORKA, J.B.T. (ANEGRE) (AREPRE) CK
13	GI-2	Rajasthan	08-06-2024 19:53	08-06-2024 23:29	03:36	168	0	0.310	0.000	54212	72136	Not sported, as 15 Junits, but on many immensions managers (Junitson), why propage do local two local of 2404 Kentson Junitson) maging estimation of the 2346 from Akal[KS] end. As per Dia Akal[KS] end (J2014 Kala-Jan) (KS) (L4, R4 plaxes to earth full or J2014 Kala-Jalia [KS] et al. As per Dia Akal[KS] end (J2014 Kala-Jalia [KS] (L4, R4 plaxes to earth full or J2014 Kala-Jalia [KS] et al. Jikar regords, disting the same time, due vory high full current, d0/J2201 VISI MACT CF and 40/J2015 VISI 000 MACT CF and 40/J2015 VISI 000 MACT And 40/JKS] end. Jikar regords, disting the same time, due vory high full current, d0/J2201 VISI MACT CF and 40/J2015 VISI 000 MACT CF and 40/J2015 VISI 00	1400 Y V Ala-Jodhur (KS) C L 2400/220 V J S M/A C T Jar Akal(KS) 2400/220 V J S M/A C T Jar Akal(KS) 4020V A Jar Alams (KS) A C 4020V Ala-Jahan (KS) A C 4020V A A A Jahan (KS) A C 4020V A A JANAN (KS) A C 4020V A A JANA
14	GI-2	Rajasthan	09-06-2024 11:21	09-06-2024 13:05	01:44	2625	435	4.177	0.603	62538	72177	I)As reported, at 11:21 hrs, R-phase conductor of 400 KV Akai-Jaisahner/2(Bhainnar) (RS) Ct broke at location no. 134 which caused R-B phase to phase fault on 400 KV Akai-Jaisahner/2(Bhainnar) (RS) Ct. Line tripped from JAkal(RS) end on zone-1 distance protection operation with fault current of Im-S2XA & ther-S5XA at distance of 4.8 Jbm from Jaisley end out therphef from Jaislance Z(Bhainnar) (RS) cut broke at count of the coun	1) 460 VV Barmer(R5) attachmer3(Brainwer) (R5) CSc 29 460 VV Barmer(R5) approxel(R9) V(R5) Csc 20 400 VV Adal-attachmer(2) Baharan (R5) CSc 40 20 VV Adal-attachmerar(Surdon) Csc 42 20 SV Adal-attachmerar(Surdon) Csc
15	GD-1	Delhi	11-06-2024 14:10	11-06-2024 14:50	00:40	279	1601	0.400	1.931	69737	82920	Income inscretent consumer, sources a sources a constraint of a set of an analysis of sets can rig approx. Same R, 2017M,	1460/220 V 900 M/A ICT 1 at Mondauld/PG 2/60/220 V 900 M/A ICT 2 at Mondauld/PG 4/60/220 V 900 M/A ICT 2 at Mondauld/PG 4/60/220 V 900 M/A ICT 4 at Mandauld/PG

						I	Details	of Grid I	Events	during th	ne Mont	h of June 2024 in Northern Region	ि ग्रिड-इंडिया GRID-INDIA
SI No	Category of Grid Event	Affected Area	Time and Date of occurrence of Grid Event	Time and Date of Restoration	Duration (HH:MM)	Loss of gene load during	eration / loss of the Grid Event	% Loss of gener- load w.r.t Ar Generation/L Regional Grid du Ever	ration / loss of ntecedent load in the aring 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)					Generation Loss(MW)	Load Loss (MW)	% Generation Loss (MW)	% Load Loss (MW)	Antecedent Generation (MW)	Antecedent Load (MW)		
1	6 GI-1	Jammu and Kashmir	13-06-2024 06:48	14-06-2024 08:59	26:11	0	100	0.000	0.136	55820	73692	(1220/1324/ Hiranagar(1&K) has double main bus arrangement at 220K voltage side. (1320/1324/ Hiranagar(1&K) has double main bus arrangement at 220K voltage side. His reported, at 06 28hrs, 220 KV Sambid/PG/Hiranagar(PD0) (PG) CH-1 tripped on YA phase to earth fault. Fault sensed in zone-1, fault current ly="d-9HA and fault distance was 0.8km from Hiranagar end (Exact reason of fault yet to be recieved). High the same time 220 KV Sambid/PG/Hiranagar(PD0) (PG) CH-2 sito tripped from Hiranagar(18A) end on overcurrent protection operation. Hi/220 KV Sambid/PG/Hiranagar(PD0) (PG) CH-1 tripped from both ends (Samba and Hiranagar) and 220 KV Sambid/PG/Hiranagar(PD0) (PD0 IX) CH-2 tripped from Hiranagar end only. VJA per KYMU at Sambid/PG, YA phase to earth followed by R-8 phase to phase fault with fault clearing time of 80 mae is observed. VJA per KYMU at Sambid/PG, YA phase to earth followed by R-8 phase to phase fault with fault clearing time of 80 mae is observed in J&K control area.	11220 KV Sambal/PG-Hizanagar/POD) (PG) (KG C4: 1 21220 KV Sambal/PG-Hizanagar/POD) (POD JK) C4: 2
1	, GI-1	Himachal Pradesh	14-06-2024 23:16	14-06-2024 23:32	00:16	0	296	0.000	0.370	58688	80098	(1)220/132V Kunihar(HP) 5/s has double main Bus arrangement at 220KV side. (1)200/132V Kunihar(HP) 5/s has double main Bus arrangement at 220KV side. (1)200/132V Kunihar(HP) 5/s has double main Bus arrangement at 220KV side. (1)200/132V Kunihar(HP) 5/s has double main Bus arrangement at 220KV Kunihar-Badi (HP) 6/L m I double on 220/132V 200MVA transformer bank- 8 2 at Kunihar(HP) was 72MV (Is reported). 22/0132V 200MVA transformer bank-3 at Kunihar(HP) typed on RA phase to earth full. Fault occurred due to bust of R- phase CT(Trye of protection operated yet to be recieved). WAR per MUK, FN (Jhate to earth fault is observed with Buil clearing time of B0ms. (V) At the same time, to tripping of 22013XV 200MVA transformer bank-1, the complete load shifted to 220/132VV 200MVA transformer bank-2 and the transformer-2 tripped due to oversidant. (If P) at the same time, value or the side (HP) at tripped on RA version ge protection operation (Ine voltage shoot upto 270KV). (VP has been mornunizated to bare the voltage protections series (IK) stantify(HP) (St via to tripping of 270KV). (VP has been mornunizated to bare the voltage protections series (IK) stantify(HP) (St via to tripping of 200KV). wijDuring the same time. 220 VP Baddi-Upper NangHIPI CK tako tripping (east reason of tripping yet to be received). wijDuring the same time. 220 VP Baddi-Upper NangHIPI CK via to tripping (east reason of tripping yet to be received).	11220/1136V 200404 ICT-1 at Kunibar(HP) 21220/1336V 200404 ICT-2 at Kunibar(HP) 312202 V Kunibar-Kon (HP) dxt 41220 VV Baddi-Upper Namgal(HP) Cxt
1	3 GI-1	Himachal Pradesh	16-06-2024 15:56	16-06-2024 16:15	00:19	0	240	0.000	0.285	65695	84229	(1220)/G&V Baddi(HP) has double main bus arrangement at 220KV side. III)As reported, at 15:56 krs, KP have to phase fault occurred on 220KV Baddi(HP)-Phijore(HV) (HPPTL) CA: 2 at a distance of 1.4km from Badd(HP) end with fault current (I=13:26X AB (H=1 3304, AB (H=1 304, AB (HP))). Badd(HP) end (Aa pet DR), Relay flags not received from Phipre end). III)As reprival a relax of DR), Relay flags not received from Phipre end). III)As reprival a relax of DR), Relay flags not received from Phipre end). IIIIA server that a relax badd(HP)-Phipre(HV) (HPPTL) CL 2: 220 KV Badd-Upperts Hanga(HP) CL 8: 220 KV Badd-Kumihar (HP) et a los tripped. As per DB from Badd(HP) end; 220KV Badd(HP)-Phipre(HV) (HPPTL) CL 2: 220 KV Badd-Upperts Hanga(HP) CL 8: 220 KV Badd-Kumihar (HP) et a los tripped. As per DB from Badd(HP) end; 220KV Badd(HP)-Phipre(HV) (HPPTL) CL 2: 220 KV Badd-Upperts Hanga(HP) CL 8: 220 KV Badd-Kumihar (HP) et a los tripped. As per DB from Badd(HP) end; 220KV Badd(HP)-Phipre(HV) (HPPTL) CL 2: 220 KV Badd-Upperts Hanga(HP) CL 8: 200 KV Badd-VB et all to the received). IVA the end and these lines with the received).	12220LV Badd(HP)-Project(MV) (HP97CL) Cts.1 22202V Badd(HP)-Project(MV) (HP97CL) Cts.2 22202 V Badd(HP2CL) Astap(HP) Cts. 42220LV Badd(HC) Astap(HP) Cts.2
1	GI-2	Rajasthan	16-06-2024 18:20	16-06-2024 19:38	01:18	0	319	0.000	0.433	54344	73690	(H00/220KV Kankam(IS5) has one and half breaker bus arrangement at 400KV side. (H00/220KV Kankam(IS5) has one and half breaker bus arrangement at 400KV side. (H00/220KV Kankam(IS5) has one and half breaker bus 315 MVA (CT-1 and 400/220 KV 500 MVA (CT-2 at Kankam(IS5) was approx. 223 MW and 341 MW respectively (As per 520A). (H) respectively (As per 520A), was approxed at Kankam(IS5) tripped on master trip relay maloperation due to issue in control cables (exact reason of tripping yet to be received). (H) Sign (FML) at 1200 MVA (CT-2, complete load of (CT-2 shifted to 400/220 KV 315 MVA (CT-1 at Kankam(IS5) which led to tripping of 400/220 (H) 315 MVA (CT-1 at Kankam(IS5)) which led to tripping of 400/220 (H) 315 MVA (CT-1 at Kankam(IS5)) which led to tripping of 400/220 (H) 315 MVA (CT-1) mortiseling. (H) Apper FML) at 1200 MVA (ET-2, complete load of (CT-2 shifted to 400/220 KV 315 MVA (CT-1) at Kankam(IS5)) which led to tripping of 400/220 (H) 315 MVA (CT-1) mortiseling. (H) Apper FML) at 1200 MVA (ET-2, complete load of (CT-2 shifted to 400/220 KV 315 MVA (CT-1) at Kankam(IS5)) which led to tripping of 400/220 (H) 315 MVA (CT-1) mortiseling. (H) Apper FML) at 1200 MVA (ET-2, complete load of (CT-2 shifted to 400/220 KV 315 MVA (CT-1) at Kankam(IS5)) which led to tripping of 400/220 (H) 315 MVA (CT-1) mortiseling. (H) Apper FML) at 1200 MVA (ET-2) mortiseling. (H) Apper FML) at 12	31400/220 VV 315 MVA ICT 1 at Kankan/(KS) 21400/220 VV 500 MVA ICT 2 at Kankan/(KS)
2	GD-1	Himachal Pradesh	17-06-2024 18:25	17-06-2024 18:57	00:32	208	0	0.357	0.000	58300	79666	IDuring antecedent condition, 96 MW Unit-1. & 2 at ADIPU(IP) were generating approx. 105 MW and 104 MW respectively as per SCADA. IDA: reported, at 18.25 hrs, due to inclement weather condition, 2200V Phocal/IP)-Auliaganh/IPG (IADIPU) CH tripped on V-B-A double phase to earth fault with fault distance of 86.4m from Nallaganh/IPG in AL aper OR, fault served in zon-2 with fault current of hv=-2XAB. & B=r-3.4ka at Nallaganh/IPG in ad. IDA/GPI end to the same firm, due to indement weather condition, 2200V AD hydro(ADI-Nallaganh/E) (ADIPU) CAT tripped on V+B hate to earth fault with fault distance of J75km and 57.5m from Nallaganh/IPG in Ad. Dhydro(IP) end respectively. Aper OR, none-1 distance protection operated from both ends with fault current of hv=-73X.84. JV=-10AA ta Nallaganh/IPG in ad. AD hydro(IP) end respectively. Aper OR, none-1 distance protection operated from both ends with fault current of hv=-73X.84. JV=-10AA ta Nallaganh/IPG in ad. AD hydro(IP) end respectively. Aper OR, none-1 distance protection operated from both ends with fault current of hv=-73X.84. JV=-10AA ta Nallaganh/IPG (ADIPE) (L can do and L current of JVDar to tripping of 220 KV Phocal/IP) (ADIPE) (L can do 20 KV AD hydro(IA)-Nallaganh/IPG (ADIPE) (L current), in/JAs per MUL 1 at JVI and 20 KV AD hydro(IA)-Phaal/IPI (ADIPE) (L can do generation-load imbalance accurred. Atter this, SMM WIL-18.2 at AD hydro(IA) tripped due to over-specific; wij/Abre tripping of 320 KV AD hydro(IA). Phaal/IPI (ADIPE) (L can do generation-load imbalance accurred. Atter this, SMM WIL-18.2 at AD hydro(IA) tripped due to over-specific; wij/Abre tripping of SMM WIL-18.2 at AD hydro(IA). Ad DM AdVIA(IA)-Phaal/IPI (DUPIP) (L tip of de-energized and complete blackout occurred at 2200K ADIPR(IP); wij/Abre tripping of SMM WIL-18.2 at AD hydro(IA). AdVIA (MAIA) (MAIA	11220 KV Pinczel(HPF) Hallegerh(PG) (ADHH1) Ckt 21220 KV An byders(AD)-Hallegerh(PG) (ADHR1) Ckt 312664WU kni: 1 An Dhydro(AD) 49564WU kni: 1 at AD hydro(AD)
2	GD-2	Haryana, Punjab, UP, Delhi, J&K, HP, Chandigarh, Uttarakhand & Rajasthan	17-06-2024 13:53	17-06-2024 14:32	00:39	5240	16500	7.089	18.454	73922	89410	IJA 13-53 Hrs Northern Region demand experienced a dip of around "16,500 MW. The incident occurred immediately after tripping of 4 poles of HVDC Champa – Kurkishetra which was carrying "4500MW from the Western Region to Northern Region. Further 755,400kW Aliganh (PGCU) station faced major ordarges and Stus. Of 754 Vites from Anglen PG sringed. III The frequency post event rote to 50.68 Hr from 50.03 Hr. III Code vere roterode progressively station [3:430 hrs. Loads were gradually restored considering low voltages and high loading on 765 KV Agra-Gwalior lines. System to dava sreatored to normal levels by 15.00 hrs. Iviji The Knohme Region hydrogenerating units tripped at Bhaira, Karcham, Sainj, RSO (Totai-1237 MW). Thermal generating units tripped at Lalitpur, Rajvest, Lunchaira, Panipat (Totai -1250 MW). VinOrthern Region newable Generation (Sain) of 73.00 WW agroca: was also affectd, however 150.04 WW ass generation units in the Western Region (Mahan Energen – 2x600 MW) and 02 modules of OLTC Palatana (approx. 700 W) in the North Eastern Region were reported, all of which has since been revived.	10% KV Hopur(UP)-Rampur , PKSTL (UP) (GTL (St-1 20% KV Jajum)(UP)-Stampur , PKSTL (UP) (GTL (St-1 20% KV Jajum)(UP)-Stampur(VP)-10% L2 4132 KV JAMendat Regin(VP)-Tasta- 10% KV JAMendat Regin(VP)-Tas

						]	Details	of Grid I	Events	during th	e Mont	h of June 2024 in Northern Region	🚺 ग्रिड-इंडिया GRID-INDIA
SI No.	Category of Grid Event	Affected Area	Time and Date of occurrence of Grid Event	Time and Date of Restoration	Duration (HH:MM)	Loss of gen load during	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	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)		
21	GI-1	Uttar Pradesh	18-06-2024 01:04	18-06-2024 01:40	00:36	0	146	0.000	0.178	59894	81806	1220W Agra2(UP) (220W Sikandra, Agra(UP)) has double main and transfer bus scheme at 220W (evel and main and transfer bus scheme at 132W (evel. 10/During antecedent condition, loading of 220)132W 160MW AICT-1 & 2 and 220/1332W 100MW (ICT-3 at Agra2(UP) were 33 MW, 83 MW and 47 MW respectively. 10/As reported, at 01:04 hrs, 1322W Agra2-railway TSS (gathol) CK1 trigged on 8-W phase to enth fault from Agra2(UP) end. Fault distance was 0.4km and zone-1 distance protection operated from agra2(UP) end. 10/As per PMU at Agra[PG). YH phase to earth fault with delayed fault desrance time of 640ms is observed (phase sequence issue). 10/As per PMU at Agra[PG). YH phase to earth fault with delayed fault desrance time of 640ms is observed (phase sequence issue). 10/As per perted, at the same time, doe to bedrep fault desrance. 220/132W 160MW (ICT-3 & and 220/132W 100MW (ICT-3 & abo trigged on overcurrent protection operation 10/As per perted, at 10:02 (2012) AV 10:00 MW (ICT-1 & 2 and 220/132W 100MW (ICT-3 & and 220/132W 100MW (ICT-3 & abo trigged on overcurrent 10/As per perted, at 10:02 (2012) AV 10:00 MW (ICT-3 & and 220/132W 100MW (ICT-3 & abo trigged on evercurent 10/As per perted, at 10:02 (2012) AV 10:00 MW (ICT-3 & and 220/132W 10:00 MW (ICT-3 & abo trigged on evercurent 10/As per perted, at 10:02 (2012) AV 10:00 MW (ICT-3 & abo trigged from 30:00 My (Astri, 10:00 MW (ICT-3 & abo trigged on evercurent 10/As per torigen (2012) AV 10:00 MW (ICT-3 & abo trigged from 30:00 My (Astri, 10:00 MW (ICT-3 & abo trigged from 30:00 MW (ICT-3 & abo trigged on above toriged to above the same time at the above toriget to a network). 10/As per torigen (2012) AV 10:00 MW (ICT-3 & above 12:00 MW (ICT-3 & above 12:	2200V Agra2-Agra1 (UP) Cit 132VV Agra2-arilway TS5 (pathol) Cit 1 2201123VV 160AVA (if 1 at Agra2(UP) 2201123VV 160AVA (if 1 at Agra2(UP) 2201123VV 160AVA (if 1 at Agra2(UP)
23	GD-1	Rajasthan	18-06-2024 23:03	19-06-2024 10:09	11:06	0	180	0.000	0.219	61172	82109	(400/220/V Kalisindh(RS) his one and half breaker scheme at 400KV level and double main transfer bus scheme at 220kV level. IB/Buring antecedent condition, generation of 600 MW Kalisindh TPS – UNT1 & 2 vere 531 KW 2658 KW respectively. This total power wis evacuating through 400 KV Ark-Kalisindh (RS L-V 1696MW) and 400/200V 31 SM XVI-(TT-100KW), 220KV halawat C/V was concelled from 400/220V 31 SM XVI-(TT-100KW), 220KV halawat C/V was Concelled from the scheme at the scheme at 400KV level and the scheme at the scheme at 220kV level. Total AB (FT-100K) and 52.2 KF and the scheme at 400KV level and the scheme at the scheme at 220kV level. Total AB (FT-100K) and 52.2 KF and the scheme at 400KV level at the scheme at the scheme at 200KV level. Total AB (FT-100K) and 52.2 KF and the scheme at 400KV level at the scheme at 200KV level. Total AB (FT-100K) and 52.2 KF and 50.2 KF and	1)400 KV Anta-Kalainah (KS) CK-2 2(400 MW Kalainah TK's - UNIT 1 3)600 MW Kalainah TK's - UNIT 2
24	GI-2	Rajasthan, Uttar Pradesh & Punjab	19-06-2024 12:42	19-06-2024 14:20	01:38	5530	1050	7.440	1.167	74323	89938	I)During antecedent condition, low voltage scenario was prevailing in mainly Rajasthan, Dehi and UP control area. As per SADA, voltage at 400kV Blane (RIS), Bhadig(RS), Bhandig(RS), Bhandig(RS), Both and Santa Santa (RS), Bhadig(RS), Bhandig(RS), Bhand	1.135 MW Rajwet (IPP) LTPS - UNIT 2 2.135 MW Rajwet (IPP) LTPS - UNIT 4 1.135 MW Rajwet (IPP) LTPS - UNIT 5 5.135 MW Rajwet (IPP) LTPS - UNIT 8
25	Gi-1	Haryana	19-06-2024 22:05	19-06-2024 22:35	00:30	0	86	0.000	0.112	58638	76643	1220/132V Safdor(HV) has double mail bus scheme at 220V vide. 10During antexedent condition, 220V vines from safdor(HV) to lind(HV) dx1, 41, Mund(HV) dx1, 18, 2, PTTS(HV) dx1, 18, 2 vert connected to 220V Bus 2 at 220V Bus 1 and 220V Bus from safdor(HV) to lind(HV) dx2, PTTS(HV) dx2, 8, 2 and 220V 120MVA ICT 1, 8, 3 vert connected to 220V Bus 2 at Safdor(HV). 10JA reported, at 220S Hrs, due to indement weather, 220V Safdor-Mund (HV) dx1, 8, 2 tripped on 8-N phase to earth fault (Bx-4, SA) and R+8 three phase fault (IT=-4, TA), H=-2, TA), B=-4, SA) with fault distance of 2.4 SAm and 3.6 SAm respectively from Safdor(HV) and Zone-2 distance protection operated for the infer fom Safdor(HV) end. VIA) to spret faure, the infer fom Safdor(HV) end. VIA) the same time, the info Maid correct, sprake galax connection in a by (loaktor) of 220V Safdor-Mund (HV) dx1, 8, 12, at Safdor(HV) end due to which bus VIA the same time, the info Maid correct, sprake galax connection in a by (loaktor) of 220V Safdor-Mund (HV), dx1, 8, 12, at Safdor(HV) end due to which bus vide the same time, due to indig that connection 220V Bus 1, 1220V Intes to PTS dx1, Jun dx1, at 220(132V ID00HVA ICT) (inged at VIA) the same time, due to indig that connection 220V Bus 1, 1220V Intes to PTS dx1, Jun dx1, at 220(122V ID00HVA ICT) (inged at VIA) the same time, due to indig that connection 220V Bus 1, 1220V ID00HVA ICT 200 V ISAfort Mund (HV) (HV) (HV) VIA the same time, due to indig that connection connection 200 V Bus 1, 1220V ID00HVA ICT 200 V ISAF0, MUND (HV) (HV) VIA the same time, due to indig that connection 200 V Bus 1, 1220V ID00HVA ICT 200 V ISAF0, MUND (HV) (HV) VIA the same time at the at the antime to HV Inter of 1, 5M from Mund(HV) end (IV) (HV) (HV) (HV) VIA the same time end that in that with that current of 1, 5M from Mund(HV) end (IV) (HV) (HV) (HV) (HV) (HV) (HV) (HV) (H	31220 KV Safdon-Jind (HV) Cb-1 3220 KV Safdon-Mund (HV) Cb-1 220 KV Safdon-Mund (HV) Cb-2 520 KV Safdon (HV) F(HV) Cb-2 5220 KV Safdon (HV) F(HV) Cb-1 5220 KV Safdon (HV) F(HV) Cb-1 7220 KV Safdon (HV) F(HV) Cb-2 8220 KV Safdon (HV) F(HV) Cb-2
26	GD-1	Rajasthan	20-06-2024 22:59	21-06-2024 05:54	06:55	0	0	0.000	0.000	57173	77776	(1400/22304 Bilanex-2(PG) one and hull breaker bus arrangement at 40004 side and double main & transfer bus arrangement at 22004 side. (1)During anterectient condition, on power generation at 22004 sub-statement connected from 400/22004 V300 MAI CT 3 at a tilkinex-2(PG) (Gain Energy, Perek Green, & TS-yang Stathervall), Stading of LCT 18.2 vas approx.0 MW at Bilanex-2(PG) 400/22004 V500 MAI CT 3 at a 2004 line to Serentica at Bilanex-2(PG) were not in service. III)Buring and the state of th	1)220 KV BTPL, SL, BK2, PG-Blamer, 2 (PBTSL) (BANDERWALA, TPSL) Ck 2400226 KV 500 MWA (CT 1 at Blamer, 2 (PBTSL) 3000220 KV 500 MWA (CT 1 at Blamer, 2 (PBTSL)

						Ī	Details	of Grid H	Events	during th	e Mont	<u>h of June 2024 in Northern Region</u>	🚺 ग्रिड-इंडिया GRID-INDIA
SI Ne	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 genera load w.r.t An Generation/La Regional Grid du Even	ation / loss of atecedent oad in the ring the Grid at	Antecedent Generat Regional	ion/Load in the Grid*	Brief details of the event ( pre fault and post fault system conditions)	Elements Tripped
	( GI 1or GI 2/ GD-1 to GD-5)					Generation Loss(MW)	Load Loss (MW)	% Generation Loss (MW)	% Load Loss (MW)	Antecedent Generation (MW)	Antecedent Load (MW)		
2	7 GI-1	Delhi	20-06-2024 12:29	21-06-2024 14:06	25:37	0	219	0.000	0.265	71717	82570	1220/66V Park Street[0T1] has double main Bus arrangement at 220V side. 110A reports, at 12:29 trs, 31W Park StreetFailer det 24 tripped on Buil on the same line (nature, resson and location of fault yet to be received). 110A reported, at the same time, 220/33V 100MV AICT3 & a also tripped at Park Street[0T1]. LTG3 tripped on Buchholz relay operation and ICT4 tripped on opening of income fue to damage in a phase pole of ICT4 of leax resson of tripping of both ICTs yet to be received). 11/A rep STADA, change in demand of approx. 219 MW is observed in Dehi control area.	11220/38W 12004VA CT-3 at Park Street[DT1] 21220/38W 12004VA CT-4 at Park Street[DT1]
2	8 Gi-1	Rajasthan	21-06-2024 11:37	21-06-2024 13:29	01:52	0	744	0.000	0.912	66360	81554	process registering and a sensing memory and provide a sensitive sensiti sensiti sensitive sensi	1220 EV X5TP5-Ranpur (K5) ckt 2220 EV X65TP5-Ranpur (K5) ck-1 4220 EV X5TP5-Statupar (K5) ck-3 4110 MW (un-1 at KTP5(K5) 4110 MW (un-1 at KTP5(K5) 220 MW (un-4 at KTP5(K5) 7220 MW (un-4 at KTP5(K5) 9220 EV Un-(K5) 4cta)(K5) Ckt
2	9 GD-1	Punjab	21-06-2024 10:38	21-06-2024 11:24	00:46	0	320	0.000	0.400	63575	80089	(220)GBV Mohal(PS) and 220)GBV Maja(PS) 55 have double main bus arrangement at 220V side. (1)During antecedent condition, 220W Lines from Mohal(PS) 16 Nallagan(PG) DC, Maja(PS), Mohal(PS), 220)GBV 160 MVA (CT-1 & 220)GBV 160 MVA (CT-2) and complete 220 V VIII Majah(PG) (CT-1 & 220)GBV 160 MVA (CT-2) and complete 220 V VIII Majah(PG) (CT-1 & 220)GBV 160 MVA (CT-2) and complete 220 V VIII Majah(PG) (CT-1 & 220)GBV 160 MVA (CT-2) and complete 220 V VIII Majah(PG) (CT-1 & 220)GBV 160 MVA (CT-2) and complete 220 V Majah(PG) (CT-1 & 220)GBV 100 MVA (CT-2) and complete 220 V Majah(PG) (CT-1 & 220)GBV 100 MVA (CT-2) and complete 220 V Majah(PG) (CT-1 & 220)GBV 100 MVA (CT-2) and complete 220 V Majah(PG) (ST-1 & 220)GBV 100 MVA (CT-2) and complete 220 V Majah(PG) (ST-1 & 220)GBV 100 MVA (CT-2) and complete 220 V Majah(PG) (ST-1 & 220)GBV 100 MVA (CT-2) and complete 220 V Majah(PG) (ST-1 & 220)GBV 100 MVA (CT-2) and complete 220 V Majah(PG) (ST-1 & 220)GBV 100 MVA (CT-2) and complete 220 V Majah(PG) (ST-1 & 220)GBV 100 MVA (CT-2) and complete 220 V Majah(PG) (ST-1 & 220)GBV 100 MVA (CT-2) and complete 220 V Majah(PG) (ST-1 & 220)GBV 100 MVA (CT-2) and complete 220 V Majah(PG) (ST-1 & 220)GBV 100 MVA (CT-2) and complete 220 V Majah(PG) (ST-1 & 220)GBV 100 MVA (CT-2) and complete 220 V Majah(PG) (ST-1 & 220)GBV 100 MVA (CT-2) and complete 220 V Majah(PG) (ST-1 & 220)GBV 100 MVA (CT-2) and complete 220 V Majah(PG) (ST-1 & 220)GBV 100 MVA (CT-2) and complete 220 V Majah(PG) (ST-1 & 220)GBV 100 MVA (CT-2) and complete 220 V Majah(	1/220 KV Nalagarh(PG)-Mohail(PS) (PS) Gs 1 2220 KV Nalagarh(PG)-Mohail(PS) (PS) Gs 2 3230 KV Gangwark(PS) (PS) Gs 2 3230 KV Gangwark(PS) (PS) Gs
3	0 GD-1	Delhi	21-06-2024 00:54	21-06-2024 01:34	00:40	0	173	0.000	0.227	56253	76070	11220/66V Navinal(DTL) has double main bus arrangement at 220KV side. 11220/66V Navinal(DTL) has double main bus arrangement at 220KV side. 113A reported, at 00:54 frs, 220/33W 200MVA (CT_2, 2 and 3 at Navinal(DTL) tripped on O/C protection operation due to B-Ph cable end terminal of 33KV Bus-2 damaged at Naraina(DTL). 100/bus to trippen of all the three (TS at Naraina(DTL), complete blackout occurred at 220/33W Narina(DTL) \$/s. 110/bus to trippen of all the three (TS at Naraina(DTL), complete blackout occurred at 220/33W Narina(DTL) \$/s. 110/bus to trippen of all the three (TS at Naraina(DTL), complete blackout occurred at 220/33W Narina(DTL) \$/s. 110/bus to trippen of all the three (TS at Naraina(DTL), complete blackout occurred at 220/33W Narina(DTL) \$/s. 110/bus to trippen of all the three (TS at Naraina(DTL), some the site of a trippen of trippen o	1)220/38-V 1004WA KC1 3 at Namina(011) 2)20(33-W 1004WA KC1 3 at Namina(011) 3)220/38-W 1004WA KC1 3 at Namina(011)
3	1 Gi-2	Haryana and Punjab	23-06-2024 09:11	23-06-2024 10:24	01:13	0	880	0.000	1.208	58647	72828	IDuring extrecedent condition, B00V WDC Champa-Kurukhetra was carrying total 5687 MW (approx. 1415 MW, 1425 MW, 1425 MW, 1425 MW and 1421 MW by Pale 1, 2, 3 and 4 respectively). High reported at 021 https://doi.org/10.1000/000000000000000000000000000000	1800 kV HVDC Kurukshetra[PG] Pole 01 2800 kV HVDC Kurukshetra[PG] Pole 03
3	2 GI-1	Delhi	23-06-2024 15:35	23-06-2024 16:15	00:40	0	312	0.000	0.395	63584	79056	Is00/220/66W TugHiakaba(0TL) his one and half bus arrangement at 400W side and double main bus arrangement at 220W side. 220W TugHiakabad- BTPS (DTL) D/C and 220W TugHiakabad-Obla (DTL) D/C have common lowers up to some distance. Isl'n reported, at 55:5 m; 220W TugHiakabad-BTS (DTL) D/C have common lowers up to some distance. Isl'n reported, at 55:5 m; 220W TugHiakabad-BTS (DTL) D/C have common lowers up to some distance. Isl'n reported, at 55:5 m; 220W TugHiakabad-BTS (DTL) D/C have common lowers up to some distance. Isl'n reported at 50:5 m; 220W TugHiakabad-BTS (DTL) D/C have common lowers up to some distance. Isl'n per some lower and suphyro, multiple R+8 th three plase faults are closered with didayed fault clearance time of 400msec. Isl'n per some lower lowers with a some fault have the some distance lower at the some distance of tropping and type of protection operated with to be received]. Vi As per SCADA, change in demand of approx. 312 MW is observed in Delhi control area.	1220xV Tughladadi 875 (DTI, Ct-1 2220xV Tughladadi 875 (DTI, Ct-2 220xV Tughladadi 875 (DTI, Ct-2 2020xV Tughladadi 840 (DTI, Ct-1 5)220xV Tughladadi Maqid Minh (DTI, Ct-1

						ļ	Details	of Grid I	Events	during th	ne Mont	th of June 2024 in Northern Region	<b>गिड-इंडिया</b> GRID-INDIA
SI No.	Category of Grid Event	Affected Area	Time and Date of occurrence of Grid Event	Time and Date of Restoration	Duration (HH:MM)	Loss of gene load during	ration / loss of the Grid Event	% Loss of gener load w.r.t Ar Generation/I Regional Grid du Eve	ration / loss of ntecedent .oad in the uring the Grid nt	Antecedent Genera Regional	ntion/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)		
33	GD-1	Delhi	27-06-2024 09:48	27-06-2024 10:39	00:51	0	214	0.000	0.333	57905	64327	In 2004 Oppopul_(11) (14) subseque mem tax arrangement at 2004 one. Induring anticedent condition, 2201, Vian from Gopalging/(11) to Mandaula/(Fc) dct-1, South Wairabad dct-2, Subtemandi dct-2 and 220/G64V 100M/A (T- 2 & 220/G64V 100M/A (T-4 wer connected to 2200 Vian-1 and 2200 Vian-2 in Gopalging/(11) to Mandaula/(Fc) dct-2, South Wairabad dct-2,	1.220 KV Mandola (PG) Gopalpur (PTL) (PTL) (PTL) (E1: 1 2.230 KV Mandola (PG) Gopalpur (PTL) (PTL) (E1: 2 2.230 KV Mandola (PG) Gopalpur (PTL) 4.200 KV Mohamadi Gopalpur (PTL) (E1: 2 5.220 (FA: 100 MA) (CT: 24 Copalpur (PTL) 6.220 (FA: 100 MA) (CT: 24 Copalpur (PTL) 8.220 (FA: 100 MA) (CT: 24 Copalpur (PTL)
34	GI-2	Haryana	27-06-2024 21:17	27-06-2024 21:54	00:37	0	625	0.000	0.800	54726	78141	IDuring antecedent condition, 800 KV HVDC Kurukhetra(PG) Pole-1, 2, 3 & 4 were carrying 1125 MW each and herce total 4500 MW power was flowing from Champa to Kurukhetra. IJA: reported at 217 phr, 300 KV HVDC Kurukhetra (PG) Pole-2 & 4 blocked on CLD HV Clabe Protection and Pole-1 & 3 blocked on latching of SYS Fall in Pole-3. III/Pole-4 Lane-2 (M1 & M2) went into fault due to latching of major fault without reporting any further alarms. DC Line Fault restant sequence operated once in Pole-4 along with activation of CAT-0 Alarm. Simultaneousiy, CLD Minor Fall alarm latched in Pole-1 A. Pole-4 Lane-2 was flavity, the Lane changeover was not succesful & controls generated for blocking of Pole-4 along with generated on CLD alarm which subsequently blocked its parallel Pole La Pole-2 and Up/Jouring the same time, SYS Fall latched onto Pole-3 and as both the Lanes beam unavailable, Pole-3 got blocked and generated CAT-8 Alarm which subsequently blocked its parallel Pole is. Pole-1 as both the Lanes beam unavailable, Pole-3 got blocked and generated CAT-8 Alarm which subsequently blocked its parallel Pole is. Pole-1 as both the Lanes beam unavailable, Pole-3 got blocked and generated CAT-8 Alarm which subsequently blocked its parallel Pole is. Pole-1 as both the Lanes beam unavailable, Pole-3 got blocked and generated CAT-8 Alarm which subsequently blocked its parallel Pole is. Pole-1 and so thet the Lanes beam unavailable, Pole-3 got blocked and generated CAT-8 Alarm which subsequently blocked its parallel Pole is and as both the Lanes beam. VIJAs per FNUL, Notali is observed in the system. However, fluctuation in voltage was observed. Wilks per FNUL, which is in demand a pagror. 400 MW and 225 MW in Rajasthan and UP control area are observed. However, Rajasthan and UP reported no df/dt operation during the event.	11 800 W HVOC KunishetrajPGj Pole-01 2) 800 W HVOC KunishetrajPGj Pole-02 3) 800 W HVOC KunishetrajPGj Pole-03 4) 800 W HVOC KunishetrajPGj Pole-04
35	Gi-2	Rajasthan	30-06-2024 11:14	30-06-2024 14:10	02:56	328	177	0.528	0.260	62115	67952	(400/220V Bhadla/R5) his double main and transfer bis arrangement at 220V Vide. (100/220V Bhadla/R5) his double main and transfer bis arrangement at 220V Vide. (100/ming anteoderic condition, loading of 400/220 IV 500 M/N, K71, 1, 8.3 were approx. 380 M/N, 371 M/W 8, 379 M/W respectively, 220 W Bhadla-Adani R5PBL (0.5 8 220 W Bhadla-Sayam U/I)-5 CM were carring approx. 215 M/W 2 20 M/W respectively (reported data). (10) For CM 500 For Instantomers at 400 W Vide (IV W 100 M/W CT) at Babdia/R5) snapped which led to tripping of ICT-1 on directional evenuent earth full protection operation. (10) Kpc er* 755 for Instantomers at 400 W/W Interadio (IV S00 M/N ICT 1 at Babdia/R5) (attached in Annexure). (14) Kpc er/ 1056 for Instantomers at 400 W/W Interadio (IV S00 M/N ICT 1 at Babdia/R5) (attached in Annexure). (14) Kpc er/ 1056 for Instantomers at 400 W/W Interadio (IV S00 M/N ICT 1 at De taken from oreolar leday) (VIC-12: 3.75 sec and ICT: 3: 35 sec). (14) Kpc F1 (150 for Ming C ICT 200 W) Units add/0 C220 W U/I sastesticalizient at to be taken from oreolar leday (VIC-12: 3.75 sec and ICT: 3: 35 sec). (14) Kpc F1 (150 for Ming C ICT 200 W) Units add/0 C220 W U/I sastesticalizient at the to be taken from oreolar leday (VIC-12: 3.75 sec and ICT: 3: 35 sec). (14) Kpc F1 (150 for Ming C ICT 23 J M/H ICT 12: 45 sec). (T2: 3.75 sec and ICT: 3: 35 sec). (14) Kpc F1 (150 for Ming C ICT 23 J M/H ICT 12: 45 sec). (T2: 3.75 sec and ICT: 3: 35 sec). (14) Kpc F1 (150 for Ming C ICT 23 J M/H ICT 12: 45 sec). (T2: 3.75 sec and ICT: 3: 35 sec). (14) Kpc F1 (150 for Ming C ICT 23 J Min	1960/220 HV 500 MVA (CF1 at Bhodis(K5) 21200 V Houla- Adam RFPR, Co 1 2020 V Houla- Adam RFPR, Co 1 2020 V Houla- Sam RFPR, Co 2 4120 V Hous sectionalizer II to evacuate power of Saurya Urja-II (D0 MW)
36	GD-1	Delhi	30-06-2024 10:12	30-06-2024 10:22	00:10	0	177	0.000	0.271	59280	65322	1)2204 (Sogalper(CTI)) has doabe main this strategement at 2204 vide. IDUring an exceed condition, 2204 vine from Grosphar(CTI) to Mandual/PC) dct-1, South Washabad dct-2, Subinmandi dct-2 and 220/661V 100M/N ICT- 2 & 22066W 160M/N ICT-4 were connected to 2204 Vise at 4 2204 Vises from Grosphar(CTI) to Mandual/PC) dct-2, South Washabad DC and Ct-1 and 220(73) and 100M/N ICT-3 as were connected to 2204 Vises at 6 Grosphar(DTI) (Sc 2204 Vises from Grosphar(DTI) CTI) as and further connected to 2204 Vises babinmand(DTI). A through 2204 Vises) and the connected to 2204 Vises at 6 Grosphar(DTI) (Sc 2204 Vises from Grosphar(DTI) CTI) as and further connected to 2204 Vises babinmand(DTI). The base to earth full is to bener dwite dispect from Grosphar(DTI) to be received). As per PMU at Mandual/PC, PA hase to earth full is observed with dispect from IGM and GROss respectively. IN/As reported, at 10:21 hn, R+ M phase to earth full is observed with dispect from IGM and alphor(DTI) (and IGM) for the IGM connected to 2204 Vises at a connectively. IN/As reported, bit to 21 hn, R+ M phase to earth full is observed with dispect from IGM connected context at Grosphar(DTI) to avoid any malogenetic to base protection resp. On R+ M phase to earth full is observed with dispect for an advalue/IPC) and IGM connected context at Grosphar(DTI) to avoid any malogenetic 220 KM Mandual/PC)-Grosphar(DTI) (DTI) (C ID /C K) (C yet to be received). Visk is turber received, 2203 WI 100M VICT 14 as 2206/GROV 100M/N ICT-2 as 220/GRAV 100M/N ICT-4 at Grosphar(DTI) to tripped on overcurrent approtection operation and 220/33 V 100M/N ICT-18 as 201666 V 100M/N ICT-2 as 220/GRAV 100M/N ICT-4 at Grosphar(DTI) to 10 C for Grosphar CHI) to 10 C for Grosphar CHI 10 10 IC /C drift (C received). Visk is turber received, 2203 WI 100M/N ICT-18 as 2206/GRAV 100M/N ICT-2 as 220/GRAV 100M/N ICT-3 at Grosphar(DTI) 10 ID /C tripped consequence). Visk is turber received, 2203 WI 100M/N ICT-18 as 2206/GRAV 100M/N ICT-2 as 220/GRAV 100M/N ICT-3 at Grosphar(DTI) 1	13220 RV Mandoln(R0)-dopadov(R01) (01), (24.1 31230 RV Mandoln(R0-dopadov(R01)) (01), (24.2 31220 RV Mandoln(R0-dopadov(R01)) 4220(484 V M004 RC 1: at dopadov(R01) 4220(484 V M004 RC 1: at dopadov(R01) 4220(321) V M004 RC 1: at dopadov(R01)

						Deta	ils of G	rid Ever	nts dur	ing the M	onth of	June 2024 in Western Region	👔 ग्रिड-इंडिया GRID-INDIA
SI No.	Category of Grid Event	Affected Area	Time and Date of occurrence of Grid Event	Time and Date of Restoration	Duration (HH:MM)	Loss of gener load during t	ation / loss of he Grid Event	% Loss of genera load w.r.t An Generation/Lo Regional Grid du Even	ation / loss of ttecedent oad in the ring the Grid at	Antecedent Generat Regional (	ion/Load in the Grid*	Brief details of the event ( pre fault and post fault system conditions)	Elements Tripped
	( GI 1or GI 2/ GD-1 to GD-5)					Generation Loss(MW)	Load Loss (MW)	% Generation Loss (MW)	% Load Loss (MW)	Antecedent Generation (MW)	Antecedent Load (MW)		
1	GD-1	WR	01-06-2024 00:26	01-06-2024 01:07	00:41	341		0.37%	-	91677	69201	At 00.26 Hrs / 01.06-2004, 220 W Bhuj-Bazanda-1 tripped on 3 phase to ground fault due to failing of spare conductor of 220 W Bhuj-Bazanda-1 Atabh on 220 W Bhuj-Bazanda-1 near Bhuj-gamzy - Samittaneoushy 220 W Bhuj-Gazbusa-1 tripped tau to matoperation of relay. Generation basic of 366 MW and x48 MW coursed to Gabahusa (Benerar Ween) and Bazanda (Aukina) (repectively) due to los of researcion path.	Tripping of following Elements: 1. 220 KV Bhuj-Baranda 2. 220 KV Bhuj-Gadhsisa
2	GD-1	WR	05-06-2024 01:28	05-06-2024 03:07	01:39	-	-	-	-	85001	64030	At 01:28 Hrs / 05-06-2024, 220 KV Raipur-Serisha tripped from Serisha end only due to relay maloperation at Serisha end. Maloperation of relay is under investigation by Serisha. No generation loss occurred at Serisha Solar Power plant (due to night hours) during above tripping.	Tripping of following Elements: 1. 220 kV Raipur-Serisha 2. 220/33 kV Serisha+CT-1 3. 220 kV Serisha+Main Bus
3	GD-1	WR	05-06-2024 23:07	06-06-2024 19:51	20:44	149.25	-	0.18%	-	84323	67866	At 23:07 Hrs / 05-06-2024, 220 W Bhuj-Barande-1 tripped on 3 phase to ground fault due to failing of spare conductor of 220 W Bhuj-Barande Jates and the stand of the standard stands on 220 W Bhuj-Barande Jates and the standard	Tripping of following Elements: 1. 220 KV Bhuj-Baranda 2. 220 KV Bhuj-Gadhsisa
4	GD-1	WR	09-06-2024 06:03	09-06-2024 06:38	00:35	-	75	-	0.13%	73050	59391	A BGG3 Mry (39-66-5024, 220 K Vasa(TP)-Malasopara 120 W Padghe-Nalasopara TAP at Vasal1 tripperd on The Flack Prior to the tripping, 220 W Bolar(PG)-Panchali was under planned shardborn. 220 W Nalasopara to being fed through two links, Padghe-Vasa(TP)-Malasopara and Bolar(PG)-Panchali- Padghe-Vasa(TP)-Malasopara, Nalasopara, substation became dark. Heavy rains and thurderstorms were reported at the time of tripping land issue of 33 MW occurred an Nalasopara (the Heavy and the mediation became dark. Heavy rains and thurderstorms were reported at the time of tripping land issue of 33 MW occurred an Nalasopara toging the event.	Tripping of following Elements: 1. 220 kV Vasai(TP)-Nalasopara
5	GD-1	WR	12-06-2024 13:10	12-06-2024 15:31	02:21	143	-	0.18%	-	77613	62443	41.33.00 hrs / 12-66-2024, 220 kV Nakhatrana-Dedhiya tripped on earthfault (as infromed in real time by Nakhatrana (Adam), However as seen from relay and PMU no fault indication is present the tripping was due to maloperation. Generation loss of 143 MW occurred at Dedhiya (Adam) wind power plant due to its or devacation path.	Tripping of following Elements: 1. 220 kV Nakhatrana-Dedhiya
6	GD-1	WR	13-06-2024 18:16	13-06-2024 18:27	00:11	1095	350	1.37%	0.57%	79926	61493	At 18:16 hrs / 13-06-2003, 400 W JP, Stage-1-Tamnar tripped on 2-1 protection operation due to flashover occurred in te breaker of 400 W JP. Stage-1- Tamnar and 400 W JP. Stage-1-8 Stage-2 due to lightening strike. At the same time 400 W JP. Stage-1-Raipu-182 tripped, no fault signature was present as sent from distuburst recorders. All four units at JP. stage-1 (250MW) tripped on over frequency protection operation. Generation loss of 1095 MW occurred at JP. L[indul] Stage-1 and SICOP. Load loss of 350 MW occurred in Genwani of Chhattiggarh control area.	Tripping of following Elements: 1.00 W/P Stage-Falips-182 2.00 W/P Stage-T-Fannar 3.00 W/P Stage-T-Fannar 4.200 W/P Stage-Gervani 5.200 W/P Stage-Gervani 5.200 W/P Stage-S-OCPP 6./PLStage-LURE1.2,384 (20 MW) 7.500P Wint 34 (21 SMW)
7	GD-1	WR	17-06-2024 11:32	17-06-2024 14:46	03:14	1076	250	1.37%	0.38%	78604	65399	A 13123 by 117.06 2024 650(28)V Korbs NTIC To Transformer 1 sliged an directional Earth Indir pontetion operation. This led to the tripping 0138 V Bio A at Korbs/NTIC and the submitter of Korbs/NTIC To Transformer 1 sliged an directional Earth Indir pontetion operation. This led to the tripping 0138 V Bio A at Korbs/NTIC and the submitter of Korbs/NTIC To Transformer 1 sliged and the shifting of feeders on 220 Korbs/W Bio 2 regord while shifting of feeders on 220 Korbs/W Bio 2 regord while shifting of feeders on 220 Korbs/W Bio 2 regord while shifting of feeders on 220 Korbs/W Bio 2 regord while shifting of feeders on 220 Korbs/W Bio 2 regord while shifting of feeders on 220 Korbs/W Bio 2 regord while shifting of feeders on 220 Korbs/W Bio 2 regord while shifting of feeders on 220 Korbs/W Bio 2 regord while shifting of feeders on 220 Korbs/W Bio 2 regord while shifting of feeders on 220 Korbs/W Bio 2 regord while shifting of feeders on 220 Korbs/W Bio 2 regord while shifting of feeders on 220 Korbs/W Bio 2 regord while shifting of feeders on 220 Korbs/W Bio 2 regord while shifting of feeders on 200 Korbs/W Bio 2 regord while shifting of feeders on 220 Korbs/W Bio 2 regord while shifting of feeders on 220 Korbs/W Bio 2 regord while shifting of feeders on 220 Korbs/W Bio 2 regord while shifting of feeders on 220 Korbs/W Bio 2 regord while shifting of feeders on 220 Korbs/W Bio 2 regord while shifting of feeders on 220 Korbs/W Bio 2 regord while shifting of feeders on 220 Korbs/W Bio 2 regord while shifting of feeders on 220 Korbs/W Bio 2 regord while shifting of feeders on 220 Korbs/W Bio 2 regord while shifting of feeders on 220 Korbs/W Bio 2 regord while shifting of feeders on 220 Korbs/W Bio 2 regord while shifting of feeders on 220 Korbs/W Bio 2 regord while shifting of feeders on 220 Korbs/W Bio 2 regord while shifting of feeders on 220 Korbs/W Bio 2 regord while shifting of feeders on 220 Korbs/W Bio 2 regord while shifting of feeders on 220 Korbs/W Bio 2 regord while shifting 220 W Arms/Karbs/W Bio 2 regor	Tripping of following Elements:           1.2020 W Annupus Amarkanaka 2           2.40(3) A W London(VPC) The Transformer 1           2.40(3) A W London(VPC) A DE Transformer 1           2.40(3) A U London(VPC) A DE Transformer 1           2.200 W London A DE Transformer 1           2.200 W Church A DE Transformer 1
8	GD-1	WR	17-06-2024 13:54	17-06-2024 14:45	00:51	1117	-	1.41%	-	79451	65856	At 13-54 hrs / 17-06-2024, Mahan Energen-Unit-182 (000 MW) tripped on overfrequency operation. At the time of tripping grid frequency was around 50.63 Hrs. At 13-13 hrs / 17-06-2024, related loss of 9725 MW accurred in the Grid. The incident occurred immediately diret tripping fold biological of MOC Champa-bandelates and the size antiping 42-000 MW from the WK to Na Affet tripping of the VOC line. Jow others we observed acous the Northem Campa-bandelates are object acoustic and the Northem Campa-bandelates are object acoustic and the Northem Campa-bandelates are object acoustic and the Northem Campa-bandelates and the Northem Campa-bandelates and the Northem Campa-bandelates and the Northem Campa-bandelates and the Northem Campa-bandelates and the Northem Campa-bandelates and the Northem Campa-bandelates and the Northem Campa-bandelates and the Northem Campa-bandelates and the Northem Campa-bandelates and the Northem Campa-bandelates and the Northem Campa-bandelates and the Northem Campa-bandelates and the Northem Campa-bandelates and the N	Tripping of following Elements: 1. Mahan Energen-Unit-18.2 (600 MW) 2. HVDC Champa-Kurukshetra Pole-1,2,3.84
9	GI-2	WR	18-06-2024 03:15	18-06-2024 19:01	15:46	200	-	0.25%	-	79655	58460	At 03.15 hrs / 18 66-2004, Y phase CT failure of Main bay of 400 kV RGPPL Dabhol Hageshane 2 at RGPPL Dabhol resulted in Bus bar protection operation of 400 VK RGPPL Dabhol Bus-1. 400 WK RGPPL Dabhol-Naggeshane 2 and Main bars concented to 400 VK RGPPL Dabhol Bus-1 tripped. 400 VK RGPPL Dabhol Bus-1. 400 WK RGPPL Dabhol-Naggeshane 2 and Main bars concented to 400 VK RGPPL Dabhol Bus-1 tripped. 400 VK RGPPL Dabhol Bus-1. 400 WK RGPPL Dabhol-Naggeshane 2 and Salar Bus RGPPL Dabhol Bus-1 tripped. 400 WK RGPPL Dabhol Bus-1. 400 WK RGPPL Dabhol-Naggeshane 2 and Bus RGPPL Dabhol Bus At The Top RGPL Dabhol Bus RGPPL Dabhol Bus RGPL Dabhol Bus RGPL Bus RGPL RGPL RGPL RGPL RGPL RGPL RGPL RGPL	Tripping of following Elements: 1.400 W KGPPL Dabhol-Huspathane-2 2.400 W KGPPL Dabhol-Gur-1 3. RGPPL Dabhol-Gr-3X 4. RGPPL Dabhol-Unit-3A
10	GI-2	WR	22-06-2024 08:11	22-06-2024 10:05	01:54	-	-	-	-	72416	57541	At 2011 Hrs / 22 06 2004, 765 W Padghe-Bun-1 tripped due to DC earth fault in the system. 765/400 W Padghe-KT-1 which was in dia with 765 W Padghe- Bun Reactor tripped. 765/400 W Padghe-KT-2 tripped due to CCD relay maillunctioning due to DC earth fault. No load or generation isso accumed during the event.	Tripping of following Elements: 1.765 KV Padghe-Bus-1 .765 KV Padghe-Bus 2.765 KV Padghe-Bus Reactor
11	GD-1	WR	22-06-2024 22:52	23-06-2024 04:38	05:46	59	-	0.07%	-	80553	61757	At 22-52 Hrs / 22-06-2024, 220 kV Bhuj-Gadhsias tripped on R-E fault due to falling of spare conductor of 220 kV Bhuj-Kotda Madh on 220 kV Bhuj-Kotda Madh on 220 kV Bhuj-Kotda Madh on 220 kV Bhuj-Kotdhsia between location 485. Generation loss of 59 MW occurred at Gadhsia (Renew Power) Wind Power plant due to loss of execution path.	Tripping of following Elements: 1. 220 kV Bhuj-Gadhsisa
12	GD-1	WR	23-06-2024 21:01	24-06-2024 00:44	03:43	91	-	0.12%	-	76659	57086	At 21:01 Inr./ 23-06-2024. 220 W Jamkhambaliya-Khakharda Irripped due to Gas dennity cable got damaged at Jamkhambaliya end. Generation loss of 91 MW occurred at Dishlandia (Apraava) Wine Power Plant due to loss of execuation path.	Tripping of following Elements: 1. 220 kV Jamkhambaliya-Khakharda
13	GD-1	WR	24-06-2024 16:36	24-06-2024 18:30	01:54	57		0.07%	-	76659	57086	At 15:26 km / 24:66 2024. 76:58 V Moude 3-58 http: 1 topped on persisting v E fund, (Auto incident not interpret at blands end). Phore to the new? 75:58 V Moude 3-58 http: 21:06 on persisting V E Auto. With these trepped no execution path was preent for generation at Davada PSS-1 and Davade PSS-2. Generation loss of 27 MW occurred at blands 45: connected plants due to loss of exocution path.	Tripping of following Elements: 1. 765 kV Khavda-PS-Bhuj-1&2
14	GD-1	WR	28-06-2024 15:09	28-06-2024 23:12	08:03	66	-	0.09%	-	72391	58806	At 15:09 Hr / 28:06-2024, 220 W Bhuj-Gadhuisa tripped on 8-E fault due to failing of CT connector at Bhuj End. Generation loss of 66 MW occurred at Gadhuisa (Renew Power) Wind Power plant due to loss of execution path.	Tripping of following Elements: 1. 220 kV Bhuj-Gadhsisa
15	GD-1	WR	28-06-2024 17:56	28-06-2024 19:20	01:24	113	-	0.15%	-	73850	57233	A17256 Ivr / 28-06-2024. 220 IVI Bhuj-Konta Madh Hipped on B & Fuelt. As informed by Konta Math, the tripping was done by some miscreants. Generation loss of 113 MW occurred at Kotta Madh (Alfanar) Wind Power plant due to loss of evacuation path.	Tripping of following Elements: 1. 220 kV Bhuj-Kotda Madh
16	GD-1	WR	30-06-2024 23:37	01-07-2024 02:16	02:39	28.5	-	0.04%	-	72774	57776	At 15:09 Hrs / 28:06 2024, 220 W Bhuj-Gadhuisa on B-E fault. During patrolling no abnormalities were found. Generation loss of 28:5 MW occurred at Gadhuisa (Renew Power) Wind Power plant due to loss of execution path.	Tripping of following Elements: 1. 220 KV Bhuj-Gadhsisa

							Deta	ils of Gri	d Ever	nts during	the Mo	onth of June 2024 in Southern Region	🚺 ग्रिड-इंडिया GRID-INDIA		
SI No.	Category of Grid Event	Affected Area	Time and Date of occurrence of Grid Event	Time and Date of Restoration	Duration (HH:MM)	Loss of gene load during	ration / loss of the Grid Event	% Loss of genera load w.r.t An Generation/Lo Regional Grid Grid Ev	ation / loss of atecedent and in the during the rent	Antecedent Generat Regional	ion/Load in the Grid*	Brief details of the event ( pre fault and post fault system conditions)	Elements Tripped	Energy Unserved date to Generation	Energy Unserved due to Load loss (MU)
	( GI lor GI 2/ GD-1 to GD-5)					Generation Loss(MW)	Load Loss (MW)	% Generation Loss (MW)	% Load Loss (MW)	Antecedent Generation (MW)	Antecedent Load (MW)			lass (MU)	
1	GD-1	Andhra Pradesh	05-06-2024 13:02	05-06-2024 13:09	00:07	0	292	0.00%	0.57%	48215	50834	Complexe Orage of 2200/112W Kalkinds SS, 2200/112W Kalkinds SS, 220W Areal SW of AFTANAECO. Due to the tower callapse of 220W VSF Anwards, 200W Forwards and 220W Area Sea on basing caded) accounted from 3200/112 Markanda SS formaly, 320W Kalkinda Baromanu and 320W Kalkinda Sammatidati, Al aper the regions sademitist, the accounted of the sea of the	L 220KV Kakinada-Bommuru II. 220KV Kakinada-Samalitot	0	Not furnished
2	GD-1	Andhra Pradesh	07-06-2024 23:31	09-06-2024 08:45	33:14	0	0	0.00%	0.00%	42325	41305	Complete Coupling of 4000 MPTP of ADSICCO. 4000 MPTPPs consented reliable hhough 4000 Valide MPT B.12. Japp 400 MPTPs 1000 MPT MPTPs 1000 MPTPs 1000 MPTP	I. 400kV RYTPP Kalikri Line-182	0	0
3	GD-1	Andhra Pradesl	10-06-2024 10:33	10-06-2024 10:48	00:15	0	100	0.00%	0.23%	48175	43730	Complete Outpage of 22004/131/W Varunada S of AFIRMAGCD. During antecedent condition, 22004 V/S9 Paravada Line's a was under outpage. 2004 Verunada Fakinda and 22004 Paravada Anarki Navee under LC. 2004/131/W Parawada S was being radially incept 22004 Paravada Visi-Lei and 131/W Parawada Brandia line. A per the reports submitted, the triggering incident was R&H fault in 22004 VSS Parawada Line-1 and the line tripped. Subsequently, 13204 Parawada Brandia line. A performant and the line tripped. Subsequently, 13204 Parawada Brandia line tripped on over current. This led to	i. 220kV VSS Parawada Line-1 ii. 132kV Parawada Brandix	0	Not furnished
4	GD-1	Tamil Nadu	11-06-2024 11:40	11-06-2024 12:26	00:46	570	250	1.13%	0.54%	50233	45893	Complete Oragina of 2289(11)2016 Control 53, 1289(11)2017 Control 53, 2019(11)2017 Control 54, 2019(11)2017 Control 55, 2017 Control 54, 2017	I. 230W Varaikudi Kaonuv Line-1,2,38.4 II. 230W Varaikudi Valuthur III. 330W Valanikudi NT Kudi Line-18.2 IV. 320W Varaikudi Ranakudi (PG-18.2 V. 230W/110W Varaikudi Transformer-18.2	Not furnished	Not furnished
5	GD-1	Andhra Pradesh	25-06-2024 12:24	25-06-2024 12:41	00:17	288	51	0.53%	0.10%	54592	51114	Complete Oracity of 22000 Obers 9506 2000/1110 Kanabilagabab 55, 22000/1110 Kalabilagabab 52, 2000/1120 Kalabilagab 52, 22000/1120 Kalabilagab 52, 22000/112	I. 220KV Dhone Sattenapally Line-18.2 II. 220KV Dhone Gooty Line-18.2	Not furnished	Not furnished
6	GD-1	Karnataka	26-06-2024 09:34	26-06-2024 09:54	00:20	0	209	0.00%	0.43%	49698	49101	Tripping of 2200V Bus 1 of 2200V/1100V famar 53 and Complete Outage of 2200V/1100V favour 55 and 2200V/1100V MMS2 55. During antecedent conditions, 2200V/1100V famar is quenting with this upit condition as 2200V/100V favour 55 and 2200V/1100V favour 55 and 2200V/1100V MMS2 55. During and/adv connected to 2200V Bas of famar 55. As per the reports animating, the regimper and outcomes with 8 plas in 2200V VII.100V in the 22.2 and the inter topped. Tripping of both lines list to loss of power supply to 2200V famar Bus -1 which inturn left to complete outge of 2200V/1100V famor 55 and 2200V/1100V MS2 55.	I. 220kV UPCL Kemar Lise-1&2	0	Not furnished
7	GI-1	Andhra Pradesh	01-06-2024 01:06	01-06-2024 03:13	02:07	0	0	0.00%	0.00%	47147	49762	Tripping of 200V Bus 2 of Vising Seatons of APTRANSED. As per the reports submitted, the tripping incident was RN fault in 200V VSS Parawaka line. At VSS end, the fault was senied in some 3 and the line tripped, Howwer, b poils of the braker tailed to open casualing LBB to open an and all lines connected to 200V Bus 2 tripped.	I. 220HV VSS Parawada Line II. 400kV/220KV Gazowaka ICT-182 III. 220KV VSS Kalapaka-II V. 220KV Gangavaram	0	0
8	GI-1	Andhra Pradesh	03-06-2024 07:54	03-06-2024 09:27	01:33	0	0	0.00%	0.00%	37934	41246	Troping of 2004 No.1 of 2004 Stalahm RB Generating station of APGENCO. As per the reports submitted, the triggering incident was LG fault in 2004 Stalahm RB Nagarjun Sagar Bin. At Stalahm end, the fault was ensued in zone-1 but breaker table to open. LBB operated and all elements connected to 2004 No.1 trigged.	L 220W Sricaliam RB Nagarjun Sagar line II. 220W Sricaliam RB Bilakala Goduru line III. 220W Sricaliam RB Markagur line IV. 220W Sricaliam RB Talapati line-1 V. 220W Sricaliam Domalapenta line	0	0
9	GI-1	Andhra Pradesh	06-06-2024 00:59	06-06-2024 03:53	02:54	0	0	0.00%	0.00%	36752	41253	Tripping of 2200V Bus-2 of 2200V Tallapall SMS of APTRANSCO. As per the reports submitted, the triggering incident was maloperation of LBB in LV side of 400kv/2200V Nagarjun Sager KT-18.2. This routed in the tripping of 2200V Bus-2 of Tallapall SWS.	1. 220W Talipati NagarjunaSagar-2. 2. 220W Talipati NagarjunaSagar-3. 2.220W Talipati Sirsilam-2. 4. 220W Talipati Ingurujepati -2. 5. 400W/220W Talipati VCT-18.2.	0	0
10	GI-1	Tamil Nadu	06-06-2024 08:11	06-06-2024 08:36	00:25	0	0	0.00%	0.00%	36296	43109	Tripping of 230xV bis of 230xV/110xV facabud 55 of TANTMARSCO. As per the reports submitted, the triggering incident was V-M ball in 230xV facabudi HT suby Line 2. At Karabadi end, the breaker failed to open causing LBB to open causing LBB cooperating and the memory open causing LBB cooperating and elements connected to 230xV bas tripped. 110xV was interf.	I. 230W Varaikudi Kavonur Line-1,283 III. 230W Varaikudi VT Gud Line-882 III. 230W Varaikudi Valathur V. 230W Varaikudi Valathur V. 230W/J10W Varaikudi Auto Transformer-182	0	0
11	GI-1	Tamil Nadu	13-06-2024 15:57	13-06-2024 16:12	00:15	0	0	0.00%	0.00%	47546	46711	Trigging of 110V Bio-182 of 400W/316W/316W/316W Alamathy 55 of TANTIANECO. As per the reports submitted, the triggering incident six 8-h but in 110V Bio-1 of Molocy/320W/120W/Alamathy 55: Immediating, 130P Bio-180P apended and all all all imments connected to the bio trigged which incide 400W/120W Alamathy (CT. 5 Schlequently, 400W/130W Alamathy ICT.1 trigged on over bading leading to bio of power supply to 110W Bio-2 of 400W/320W/110W Alamathy SS.	i. 400kV/110kV Alamathy ICT-18.2	0	0
12	GI-1	Tamil Nadu	16-06-2024 23:31	17-06-2024 00:46	01:15	0	0	0.00%	0.00%	44285	43775	Topping of 1100V Bus 142 of 400W/1100V Buspaham 55 of TAVIENECCO. As per the reports submitted, the triggering incident as VAI fault in 110W Bus 142 of 400W/110W Bisglaylam 55, immediately, 110W Bus 142 BBF operated and al dements connected to the busis trigged including 400W/110W Buspaham ICF 1.243.	i. 400kV/110kV Rasipalyam KT-1,283	0	0
13	GI-2	Telangana	17-06-2024 12:36	17-06-2024 13:43	01:07	0	0	0.00%	0.00%	53264	53132	Troping of 400V bit 1 & bit 2 of 400V/200V Auspite 55 of TSTRAVECO. As per the reports submitted, the triggering incident was & h fault in 400V Rhamman Auspite Line 1. Immediately, 400V/200V Auspite ICT 1 triggering incident Tills led to bits of power supply to 400V bits 1 & Bits 2 of 400V/200V Auspite SS.	i. 400kV Khammam Asopaka Lino-1 ii. 400kV/320kV Asopaka KT-1.	0	0
14	GI-1	Karntaka	18-06-2024 13:14	18-06-2024 15:58	02:44	93	0	0.18%	0.00%	50704	50483	Topping of 220V Bu-2 of 220V Sharauthy PM of UPCL As per the reports submitted, the triggering incident was 8-M fault in 220V Bu-2 and 88P operated trigging all elements connected to 220W Bu-2 of 220W Sharauthy PM.	I. Sharavathy Uni-6,7,8 & 10 II. 220NY Sharavathy Sinsi Line-18.2	Not furnished	0

							Det	ails of G	rid Ev	ents durir	ng the N	Aonth of June 2024 in Eastern Region	र्जिड-इंडिया GRID-INDIA
Categor E' Sl	ry of Grid vent	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 genera load w.r.t An Generation/Le Regional Grid du Even	ation / loss of tecedent oad in the ring the Grid at	Antecedent Genera Regional	tion/Load in the Grid*	Brief details of the event ( pre fault and post fault system conditions)	Elements Tripped
( GI 1 GD-1	lor GI 2/ to GD-5)					Generation Loss(MW)	Load Loss (MW)	% Generation Loss (MW)	% Load Loss (MW)	Antecedent Generation (MW)	Antecedent Load (MW)		
1 G	iD-1	Budhipadar, IB- TPS	05.06.2024 04:11	05.06.2024 04:54	00:43	350	0	1.17%	0.00%	30020	25838	At 0411 Hrs on 05.06.2024 , R ph CT of 220kV IBTPS-Buchlpadar #3 burst at Buchlpadar end and all emanating lines from Buchlpadar tripped. Both units of IB TPS tripped due to loss of evacuation path, leading to generation loss of 350MW. Power was restored via charging of 220kV Buchlpadar-Lapanga ck82 at 04.54 Hrs.	2029 V hohpsdar III 1,3,4 2020 V hohpsdar III 1,3,4 2020 V hohpsdar Artor 1,2 2020 V hohpsdar 1,
2 G	iD-1	Tenughat, Govindpur	13.06.2024 16:55	13.06.2024 17:08	00:13	00:00	140	0.50%	0.49%	28515	28582	At 1655 hrs on 13.06 2024, 220KV Dumka-Govindpur D/C tripped on R_N Fault. 220 kV Tenughat-Bharsharif was already under breakdown. Consequently, Tenughat unit - tripped ( as unit -1 was under forced shutdown ) due to loss of evacuation path and around 142 MW generation loss occurred. Around 140 MW load loss in Govindpur, Chandanisyan, Jainamod area reported.	220 IV Terught - Govindpur 1 220 IV Terught - Govindpur 2 220 Vb so: #1, 2 at Terught 220 Vb so: #1, 2 at Govindpur 210 MV UH2 at Terught
3 G	iD-1	Budhipadar , IB-TPS	13.06.2024 19:11	13.06.2024 20:46	01:35	320	0	1.07%	0.00%	29775	29345	At 1911 hrs on 11.06.2024, 220 W Bus 2 at Budhpadur tripped due to operation of bus bar protection after failure of R ph CB of 220 W Budhpadar-Raganh 1 at Budhpadar. A Sacodated Federa connected to Bus 2 tripped. At the same time, 320 MW generation loss occurred at IB TPS due to tripping of both running units leading to generation loss of 320 MW.	220KV Buchipadar IB 1,2,3,4 220KV Buchipadar-Korta 2 220KV-buchigadar-Kangman-1 220KV-buchigadar-Kangman-1 220KV-buchipadar-Lapman 2 220KV-buchipadar-2 220KV Buchipadar-2 220KV Buchipadar-2 220KV Buchipadar-2 220KV Buchipadar-2 220KV Buchipadar-2
4 G	iD-1	Baruipur	14.06.2024 14:35	14.06.2024 14:41	00:06	0	138	0.00%	0.46%	29864	29839	At 14:35 Hrs. on 14.06.2024, 220 kV Newtown-Sobhargram (PG)- Baruipur tripped due to fault in 8-ph, 220 kV Baruipur-Sobhargram (WB) was already in opened condition to control loading of ICTs at Sobhargram (PG) which led to a total load loss of 138 MW at Baruipur S/s Benia, Induka, Srakol & Baruipur Area). Power to the downstream network wa made available through 132 kV Lakhikantipur-Sinkol at 14:41 Hrs. 220 W bus was charged at 14:48 Hrs through 220 W Baruipur-Subhargram (WB)	220 kV Barulpur Subhatgram (PG)- Newtown
5 G	iD-1	New Melli , Jorethang & Tashiding	19.06.2024 06:38	19.06.2024 09:56	03:18	200	0	0.65%	0.00%	30782	30582	At 0638 hrs.on 19.06.2024, 220 kV Rangoo- New Meli-1 tripped due to phase to Phase fault (Y& Ph), 220 kV Rangoo- New Meli-2 was under planned shuddown since 21,05/2024. Consequently due to loss of execusion path, Tashiding unit #1 & unit #2 and Jorethang unit #1 & unit #2 tripped causing. Generation Loss around 200 MW (Fashiding-105 MW, Jorethang-55 MW).	220 KV Rangpo-New Melli-1
6 G	iD-1	GMR (STU), Meramundali- B	20.06.2024 19:18	20.06.2024 21:15	01:57	252	0	0.81%	0.00%	30964	26743	At 1918 Hrs on 20.06.2024, 400kV-GMR-MIRAAUUNDALI-8 tripped due to R. N. Built which led to tripping of GMR Unit 83 (350 MVI) due to loss of evacuation path (GMR Unit 83 i connected to Meramundai-8 bus only through single line, Bus Split at 400kV-GMR SyS). Total generation loss of around 252 MV occurred.	400 IV GMR-Meramundali B-1 350 MV UB3 at GMR

					Detai	ils of G	rid Eve	ents duri	ng the	Month of	June 2	024 in North Eastern Region	💱 ग्रिड-इंडिया GRID-INDIA
SI No.	Category of Grid Event	Affected Area	Time and Date of occurrence of Grid Event	Time and Date of Restoration	Duration (HH:MM)	Loss of gene load during	eration / loss of the Grid Event	% Loss of gener: load w.r.t Ar Generation/L Regional Grid du Even	ation / loss of ntecedent .oad 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)					Generation Loss(MW)	Load Loss (MW)	% Generation Loss (MW)	% Load Loss (MW)	Antecedent Generation (MW)	Antecedent Load (MW)		
1	GD I	Rengpang area of Manipur Power System	03-06-2024 13:09	03-06-2024 16:24	03:15	0	1	0.00%	0.05%	2947	2099	Rengpang area of Manipur power system is connected to the rest of the grid via 132 kV Loktak-Rengpang line and 132 kV Jiribam-Rengpang line. 132 kV Jiribam-Rengpang line is under outage since 18:18 Hrs of 17.11.2023. At 13:09 Hrs of 03-06-2024, 132 kV Loktak-Rengpang line tripped. Due to tripping of this element, Rengpang area of Manipur power system got separated from rest of the grid due to no source available in this area. Power was extended to Rengpang area of Manipur power system by charging 132 kV Loktak-Rengpang Line at 16:24 Hrs of 03-06-2024.	132 kV Loktak-Rengpang line
2	GD I	Churachandpur and Thanlon area of Manipur Power system	03-06-2024 13:59	03-06-2024 14:50	00:51	0	40	0.00%	1.94%	3271	2063	Churachandpur and Thanlon areas of Manipur power system is connected to the rest of the grid via 132 kV Ningthoukhong-Churachandpur I & II lines. Prior to the event, 132 kV Ningthoukhong-Churachandpur I line is under outage since 18:18 Hrs of 17.11.2023. At 13:59 Hrs of 03:06-2024, 132 kV Loktak-Ningthoukhong & 132 kV Ningthoukhong-Churachandpur II lines tripped. Due to tripping of these elements, Churachandpur and Thanlon areas of Manipur Power system got separated from rest of the grid due to no source available in these areas. Power supply was extended to Churachandpur and Thanlon area of Manipur Power System by the set of Churachandpur and Thanlon area of Manipur Power 132kV-Loktak-Ningthoukhong line at 14:25 Hrs of 03:06:2024 and then charging 132kV-Ningthoukhong- Churachandpur II line at 14:50 Hrs of 03:06:2024.	132 kV Loktak-Ningthoukhong & 132 kV Ningthoukhong- Churachandpur II lines
3	GD I	Part load of Bornagar area of Assam Power system	05-06-2024 01:07	05-06-2024 01:15	00:08	0	27	0.00%	1.16%	2908	2326	Bornagar area of Lower Assam Power System was connected with rest of NER Grid through 132 kV Dhaligone. Bornagar iran end 132 kV Bornagar - Nathkuchi line. Due to be soft at Bornagar, half load of Bornagar - Nathkuchi line. Due to be soft at Bornagar Line and half load is feeding through 132 kV Bornagar - Nathkuchi line. Soft Soft and the soft of the soft at Bornagar - Nathkuchi line tripped. Due to tripping of thiselement, partial load loss occurred at Bornagar area of Assam Power System. Power supply was extended to Bornagar area of Assam Power System by charging 132 kV Bornagar- Nathkuchi line at 01:15 Hrs of 05.06.2024.	132 kV Bornagar- Nathkuchi line
4	GD I	Ningthoukhong area of Manipur Power System	06-06-2024 16:13	06-06-2024 16:49	00:36	0	36	0.00%	1.28%	2661	2808	Ningthoukhong area of Manipur Power System was connected with rest of NER Grid via 132kV Loktak- Ningthoukhong line, 132kV-Ningthoukhong-Churachandpur D/C and 132kV-Ningthoukhong-Imphal lines. 132kV-Ningthoukhong-Churachandpur-1 was under coulog since 21:14 Hrs of 29-04-2021, PSD was taken for 132kV-Ningthoukhong-Churachandpur-2 for Replacement of disc insulators for 132 kV Ningthoukhong- Churachandpur-1 line. At 16:13 Hrs of 06-06-2024, while returning from shutdown after rectification work, while charging the line 132kV-Loktak-Ningthoukhong and 132kV limphal-Ningthoukhong line tripped resulting in blackout of Ningthoukhong Area of Manipur Power System. Power supply was extended to Ningthoukhong area of Manipur Power System by charging 132 kV Loktak- Ningthoukhong line at 16:49 Hrs of 06:06.2024.	132 kV Loktak-Ningthoukhong & 132 kV Imphal- Ningthoukhong lines
5	GD I	Blackout in Churachandpur, Thandon, Elangkangpokpi, Kakching, Chandel, Moreh, Thoubal old, Thoubal New and Kongba area of Manipur Power System and Tamu load of Myanmar power system	08-06-2024 18:40	08-06-2024 19:18	00:38	0	120	0.00%	3.74%	3231	3205	Churachandpur, Thanlon, Elangkangpokpi, Kakching, Chandel, Moreh, Thoubal old, Thoubal New and Kongba area of Manipur Power System and Tamu load of Myanmar power system were connected with rest or NER Grid through 132 kV Lokak Ningthoukhong line, 132 kV Ningthoukhong – Churachandpur D/C lines, 132 kV Singangpokpi -Kongba D/C lines, 400kV-Imphal/PG)-Thoubal-1 line was under outage since 1332 Hrs of 18.10.2021, 400kV-Imphal/PG)-Thoubal-2 line was under outage since 1332 Hrs of 08-06-2024, 132 kV Loktak-Ningthoukhong line, 132 kV Ningthoukhong – Churachandpur D/C lines, 132 kV Yangangpokpi -Kongba D/C lines tripped. Due to tripping of these elements, Churachandpur, Thanlon, Elangkangpokpi, Kaching, Chandel, Moreh, Thoubal old, Thoubal New and Kongba area of Manipur Power System and Tamu load of Myanmar power system were isolated from NER Grid and collapsed due to no source available in these areas Power was extended to Manipur power system at 19:18 Hrs of 08.06.2024.	132 kV Loktak-Ningthoukhong line, 132 kV Ningthoukhong – Churachandpur D/C lines, 132 kV Yiangangpokpi -Kongba D/C lines
6	GD I	Blackout in Churachandpur, Thanlon, Elangkangpokpi, Kakching, Chandel, Morch, Thouhal old, Thouhal New, Yiangangpokpi, Hundung, Yurenbam, Renggang and Kongba areas of Manjany Power System, Loktak Generating S/S and Tamu load of Myanmar power	09-06-2024 13:53	09-06-2024 14:39	00:46	70	60	2.75%	2.71%	2545	2213	Churachandpur, Thanlon, Elangkangpokpi, Kakching, Chandel, Moreh, Thoubal old, Thoubal New, Yiangangpokpi, Hundung, Yurembam, Rengpang and Kongba areas of Manipur Power System, Loktak Generating S/S and Tamu load of Myanmar power systemwere connected with rest of NEB Grid through 132 kV Loktak-Tinham & 132 kV Loktak Nightouhong line. 132 kV Inphal-Nightouhong went under planned shutdown at 10:17 Hrs & 132 kV Imphal-Loktak Line went under planned shutdown at 10:31 Hrs, 132 kV Jakish (Song Sang) and 132 kV Loktak-Singhung Log Sang) and Sang Sang Sang Sang Sang Sang Sang Sang	132 kV Loktak-Jiribam & 132 kV Loktak-Ningthoukhong line

					Deta	ils of G	rid Eve	ents duri	ng the	Month of	June 2	024 in North Eastern Region	जिड-इंडिया GRID-INDIA
SI No.	Category of Grid Event	Affected Area	Time and Date of occurrence of Grid Event	Time and Date of Restoration	Duration (HH:MM)	Loss of gene load during	eration / loss of the Grid Event	% Loss of gener load w.r.t Au Generation/L 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)					Generation Loss(MW)	Load Loss (MW)	% Generation Loss (MW)	% Load Loss (MW)	Antecedent Generation (MW)	Antecedent Load (MW)		
7	GD I	Zhadima, Chiephbozou & Wokha areas of Nagaland Power System	10-06-2024 22:31	11-06-2024 10:52	12:21	0	1	0.00%	0.03%	2915	3245	Zhadima, Chiephbezou & Wokha areas of Nagaland Power System is connected with rest of NER Grid through 132 kV Sanis-Wokha and 132 kV Kohima-Zhadima lines. Prior to the event, 132 kV Sanis-Wokha line was under planned shutdown since 0803 His of 10.06.2024. At 22:31 Hrs of 10-06-2024, 132 kV Kohima-Zadima line tripped. Due to tripping of this element, Zadima, Chiephebzoao and Wokha areas of Nagaland power system got separated from rest of the grid due to no source available in these areas. Power was extended to Zadima, Chiephebzoau and Wokha areas of Nagaland power system by charging	132 kV Kohima-Zadima line
8	GD I	Churachandpur, Thanlon, Elangkangpokpi, Kakching, Chandel, Moreh, Thoubal old, Thoubal New and Kongba area of Manipur Power System and Tamu load of Myanmar power system	12-06-2024 10:33	12-06-2024 10:57	00:24	0	45	0.00%	1.69%	2518	2657	<ul> <li>132 kV Kohima-Zadima line at 10:52 Hrs of 11-06-2024.</li> <li>Churachandpur, Thanlon, Elangkangrokpi, Kakching, Chandel, Moreh, Thoubal old, Thoubal New and Kongba uren of Manipur Power System and Tamu load of Myainmar power system are connected with rest of NER Grid through 132 kV Ningthoukhong – Churachandpur DC lines &amp; 132 kV Yiangangpokpi - Kongba DC lines, 400X-4mphal(PG)-Thoubal-1 line was under outage since 1532 Hrs of 1810.0221, 400K-4mphal(PG)-Thoubal-1 line was under outage since 1352 Hrs of 1810.0221, 400K-4mphal(PG)-Thoubal-1 line was under outage since 1532 Hrs of 1810.0221, 400K-4mphal(PG)-Thoubal-1 line was under outage since 168.6 2024.</li> <li>At 10:33 Hrs of 12-06-2024, 132 kV Loktak-Ningthoukhong line, 132 kV Ningthoukhong – Churachandpur 2 line, 132 kV Yiangangpokpi-Kongba DC lines tripped. Due to tripping of these elements, Churachandpur, Thanlon, Elangkangrobyk, Kakching, Chandel, Moreh, Thoubal old, Thoubal New and Kongba area of Manipur Power System and Tamu load of Myainmar power system by charging 132 kV Yiangangpokpi-Kongba DC lines at 10:57 Hrs of 12-06-2024.</li> </ul>	132 kV Loktak-Ningthoukhong line, 132 kV Ningthoukhong – Churachandpur 2 line, 132 kV Vingangpokpi -Kongba D/C lines
9	GD I	Churachandpur, Thaalon, Elangkangpokpi, Kakching, Chandel, Moreh arasi of Manjup Dwer System and Tamu load of Myanmar power system	13-06-2024 08:08	13-06-2024 08:54	00:46	0	40	0.00%	2.18%	2273	1838	Churachandpur, Thanlon, Elangkangrokpi, Kakching, Chandel, Morch areas of Manipur Power System and Tamu bad of Myammer power system as connected with res of NEB Grid Horogh 132 kV Ningbroukhong – Churachandpur D/C lines, 400KV-Imphal(PG)-Thoubal-J line was under outage since 1332 Hor of 181 to 2021, 400KV-Imphal(PG)-Thoubal-J line was under tripped condition since 08 06 2024, 132 kV New Thoubal – Kakching & 132 kV Old Thoubal – Kakching were under outage scondition prior to event. At 08:08 Hrs of 13-06-2024, 132 kV Ningthoukhong – Churachandpur 2 line tripped. Due to tripping of these elements, Churachandpur, Thanion, Elangkangrokpi, Kakching, Chandel, Morch areas of Manipur Power System and Tamu load of Myammar power system were isolated from NER Grid and collapsed due to no source available in these areas. Power system and Tamu load of Myammar power system by charging 132 kV Ningthoukhong – Churachandpur, Tanion, Elangkangrokpi, Kakching, Chandel, Morch areas of Manipur Power System and Tamu load of Myammar power system by charging 132 kV Ningthoukhong – Churachandpur 2 line at 08:54 Hrs of 13-06-2024.	132 kV Ningthoukhong – Churachandpur 2 line
10	GD I	Leshka generating station of Meghalaya Power System	13-06-2024 01:10	13-06-2024 01:19	00:09	0	36	0.00%	1.30%	2392	2771	Leshka HEP of Meghalaya Power System was connected with rest of NER Grid via 132 kV Leshka - Khlehrint D/C lines. At 01:10 Hrs of 13-06-2024, 132 kV Leshka - Khleihriat D/C lines tripped. Due to tripping of these lines, Leshka HEP of Meghalaya Power System was isolated from NER Grid and collapsed due to loss of evacuation path. Power supply was extended to Leshka HEP of Meghalaya Power System by charging 132 kV Myndu Leshka - Khleihriat 1 line at 01:19 Hrs.Subsequently, 132 kV Myndu Leshka - Khleihriat 2 line was charged at 01:21 Hrs.	132 kV Leshka - Khleihriat D/C lines
11	GD I	Bilasipara and Gauripur areas of Assam Power System	13-06-2024 05:02	13-06-2024 05:18	00:16	0	120	0.00%	7.01%	2248	1711	Bilaispirar and Gauripur areas of Assam Power System are connected to NER Power system via 132 kV Bilaispirar – Kokrajhar DC lines. 132 kV Gauripur – Gossigaon line is kept opened for load segregation purpose. At 05:02 Hrs of 13-06-2024, 132 kV Bilaispara – Kokrajhar D/C lines tripped. Due to tripping of these lines, Bilasipara and Gauripur areas of Assam Power System were isolated from NER Grid and collapsed due to no source available in these areas. Power was extended to Bilasipara and Gauripur areas of Assam Power System by charging 132 kV Bilasipara – Kokrajhar D/C lines at 05:18 Hrs of 13-06-2024.	132 kV Bilasipara – Kokrajhar D/C lines

Details of Grid Events during the Month of June 2024 in North Eastern Region													
SI	Category of Grid Event	Affected Area	Time and Date of	Time and Date of	Time and Date of Duration		eration / loss of the Grid Event	of nt % 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
140.	( GI 1or GI 2/ GD-1 to GD-5)		occurrence or on an Event	Restoration	(111.3131)	Generation Loss(MW)	Load Loss (MW)	% Generation Loss (MW)	% Load Loss (MW)	Antecedent Generation (MW)	Antecedent Load (MW)		
												BTPS, Kokrajhar, Bilasipara, Gauripur, Gossaingaon, Dhaligaon, APM, Barpeta, Nalbari, Barnagar, Nahkuchi, Kamalpur, Sipajhar, BGR, Railway TSS areas of Assam Power System was connected to NER Power system via multiple elements connected to 220 kV BTPS GSS.	
12	GD II	BTPS, Kokrajhar, Bilasipara, Gauripur, Gossaingaon, Dhaligaon, APM, Barpeta, Nalbari, Barnagar, Nathkuchi, Kamalpur, Sipajhar, BGR,	14-06-2024 22:32	14-06-2024 22:36	00:04	0.79	410	0.02%	13.82%	3344	2966	At 22:32 Hrs of 14-06-2024, all feeders connected to Bus 1 and Bus 2 of 220 kV BTPS GSS tripped due to operation of Bus bar protection. Due to tripping of these elements, BTPS, Kokrajhar, Bilasipara, Gauripur, Gossaigaon, Dhaligaon, APM, Barpeta, Nalbari, Barmagar, Nathkachi, Kamalpur, Sipajhar, BGR, Raihway TSS areas of Assam Power System was isolated from NER Grid and collapsed due to no source available in these areas.	BTPS Bus-1 & 2
		Railway TSS areas of Assam Power System										BTPS Bus-2 and its associated elements were charged first via 220 KV BTPS-Salakati 2 at 22:36 Hrs of 14.06.2024. Subsequently, BTPS Bus 1 was charged at 00:31 Hrs of 15.06.2024 by charging 220 kV BTPS-Salakati 1 line and Power supply was restored at BTPS, Kocharjahr, Blaispara, Camipur, Gossingson, Dhaligoon, APM, Barpeta, Nalbari, Barnagar, Nathkuchi, Kamalpur, Sipajhar, BGR, Railway TSS areas of Assam Power System.	
												Churachandpur Thanlon, Elangkangpokpi, Kakching, Chandel, Thoubal Old, New Thoubal and Kongba area of Manipur Power System were connected with rest of NER Grid via 132kV Ningthoukhong- Churachandpur-1 & 2 and 132kV Kongba – Yanganpokpi 1 & 2 lines.	
13	GD I	Churachandpur Thanlon, Elangkangpokpi, Kakching, Chandel, Thoubal Old, New Thoubal and Kongba area of Manipur Power System	15-06-2024 06:11	15-06-2024 07:03	00:52	0	45	0.00%	2.19%	2432	2059	At 06:11 Hrs of 15:06-2024, 132 kV Loktak-Ningthoukhong line, 132 kV Ningthoukhong-Churachandpur- 1 & 2 and 132 kV Kongha – Yangamokpi I & 2 linesi tripped. Due to tripping of these elements. Churachandpur, Thanton, Elangkangpekkji, Kakching, Chandel, Thoubul Odl, New Thoubail and Kongha areas of Manipur Power System were isolated from NER Grid and collapsed due to no source available in these areas.	132 kV Loktak-Ningthoukhong line, 132 kV Ningthoukhong- Churachandpur-1 & 2 and 132 kV Kongba – Yanganpokpi 1 & 2 lines
												Power supply was extended to Churachandpur and Thanlon area of Manipur Power System by first charging 132kV-Loktak-Ningthoukhong line at 06:43 Hrs of 15.06.2024 and then charging 132 kV Ningthoukhong- Churachandpurz line at 07.03Hrs of 15.06.2022	
	GD I	Nangalbibra, Rongkhon, Ampati areas and Ganol HEP of Meghalaya Power System	f 15-06-2024 04:52 15-06-2									Nangalibira, Rongkhon, Ampati areas and Ganol HEP of Meghahaya Power System are connected to NER Power system via 132 VA yea, swangabibra, 132 VM Wendpathar-Nangabibra & 132 V Ngia Nangabibra Nongation lines, Prior to the event, 132 kV Agia Nangalibira was under tripped condition since 03:32 Hrs of 15-06-2024 and 132 kV Mendipathar – Nangabibra line was under tripped condition since 03:48 Hrs of 15-06-2024.	
14				15-06-2024 05:14	00:22	22	30	0.86%	1.47%	2564	2040	At 04:52 Hrs of 15:06-2024, 132 kV Nangalbibra-Nongstoin line tripped. Due to tripping of this element, Nangalbibra, Rongkhon, Ampati areas and Ganol HEP of Meghalaya Power System were isolated from NER Grid and collapsed due to load generation mismatch in these areas.	132 kV Nangalbibra-Nongstoin line
												Power was extended to Nangalbibra, Rongkhon, Ampati areas and Ganol HEP of Meghalaya Power System by charging 132 kV Nangalbibra-Mendipathar line at 05:14 Hrs of 15.06.2024.	
												Serchhip area of Mizoram Power System was connected to NER Power system via 132 kV Zuangtui – Serchhip line. 132 kV Serchhip – Lunglei was kept open on system requirement.	
15	GD I	Serchhip area of Mizoram Power System	15-06-2024 13:46	15-06-2024 14:13	00:27	0	17	0.00%	0.73%	2602	2331	At 13:46 Hrs of 15:06:2024, 132 kV Zuangtui – Serchhip line tripped. Due to tripping of the element, Serchhip area of Mizoram Power System was isolated from NER Grid and collapsed due to no source available in this area.	132 kV Zuangtui – Serchhip line
												Power supply was extended to Serchhip area of Mizoram power system by charging 132 kV Zuangtui - Serchhip line at 14:13 Hrs of 15-06-2024.	
												Dhaligaon, Part load of Barnagar, Barpeta, APM, Gossaigaon areas of Assam Power System were connected to NER Power system via 132 kV Dhaligaon-BTPS D/C lines.	
16	GD I	Dhaligaon, Barnagar, Barpeta, APM, Gossaigaon areas of Assam Power System	16-06-2024 22:40	16-06-2024 23:06	00:26	0	110	0.00%	4.31%	3457	2553	At 22:40 Hrs of 16-06-2024, 132 kV Dhaligaon-BTPS D/C lines tripped. Due to tripping of these lines, Dhaligaon, Part load of Barragar, Barpeta, APM, Gossaigaon areas of Assam Power System were isolated from NER Grid and collapsed due to no source available in these areas.	132 kV Dhaligaon-BTPS D/C lines
												Power supply was extended to Dhaligaon, Part load of Barnagar, Barpeta, APM, Gossaigaon areas of Assam Power System by charging 132kV BTPS-Dhaligaon D/C lines at 23:06 Hrs of 16.06.2024.	
												Rongkhon, Ampati areas and Ganol HEP of Meghalaya Power System were connected to NER Power system via 132kV Rongkhon - Nangalbibra line.	
17	GD I	Rongkhon, Ampati areas and Ganol HEP of Meghalaya Power System	16-06-2024 04:51	16-06-2024 07:38	02:47	7.5	7	0.29%	0.37%	2600	1896	At 04-51 Hrs of 16-06-2024, 122 kV Rongkhon - Nangalbibra line tripped. Due to tripping of this element, Rongkhon, Ampati areas and Ganol HEP of Meghalaya Power System were isolated from NER Grid and collapsed due to load generation mismatch in these areas.	132 kV Rongkhon - Nangalbibra line
												Power supply was extended to Rongkhon, Ampati areas and Ganol HEP of Meghalaya Power System by charging 132 kV Ronkhon-Nangalbibra line at 07:38 Hrs of 16.06.2024.	
18	GD I	Rangia(220), Tangla, Sipajhar, Kamalpur, Nalbari, Nathkuchi and Barnagar areas of Assam Power system	17-06-2024 06:52	17-06-2024 07:26	00:34	0	53	0.00%	2.70%	2764	1960	Nalbari, Nathkuchi & part of Barragar radially connected to 220 kV Rangia SS. Kamalpur, Sipalpar & Tangla radially connected to 132 kV Rangia SS. 220 kV Rangia SS radially connected via 220 kV BTPS- Rangia D/C only. At 06:52 Hrs of 17-06-2204 due to heavy downpour, 220kV BTPS- Rangia D/C lines tripped resulting in	220 kV BTPS- Rangia I&II
												successful operation of SPS of the same. Due to which, 220kv Rangia S/S was isolated from 132kV Rangia S/S as well as Barnagar, Sipajhar, Kamalpur, , Nathkuchi, Tangla Subststions were isolated from	

	Details of Grid Events during the Month of June 2024 in North Eastern Region													
SI No.	Category of Grid Event	Affected Area	Time and Date of	Time and Date of Restoration	Duration (HH:MM)	Loss of gene load during	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		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)			
19	GD I	Nangalbibra, Rongkhon, Ampati areas and Ganol HEP of Meghalaya Power system	17-06-2024 07:03	17-06-2024 07:56	00:53	0	15	0.00%	0.78%	2767	1920	Nangalbibra, Rongkhon, Ampati areas and Ganol HEP of Meghalaya are connected with the rest of the grid through 132 kV Nangalbibra-Mendipathar line, 132 kV Agiu-Nangalbibra line & 132 kV Nangalbibra- Nongstoin line. Trio to the event, 132 kV Nangalbibra-Nongstoin and 132kV Agia-Nangalbibra lines tripped at 07:02 hrs of 17-06-2024. At 07:03 Hrs of 17-06-2024, 132kV Agia-Nangalbibra line tripped. Due to tripping of this line, Nangalbibra,	132kV Agia-Nangalbibra line	
												Rongkhon, Ampati areas and Ganol HEP of Meghalava Power System were isolated from NER Grid and Leshka HEP of Meghalava Power System was connected with rest of NER Grid via 132 kV Myntdu Leshka & Kbeiring D/C fors		
20	GD I	Leshka HEP of Meghalaya Power system	17-06-2024 20:30	17-06-2024 20:46	00:16	119	0	3.44%	0.00%	3457	2828	At 20:30 Hrs of 17:06-2024, 132 kV Myndu Leshka - Khleihriat D/C lines tripped. Due to tripping of these lines, Leshka HP of Meghalaya Power System was isolated from NER Grid and collapsed due to loss of evacuation path.	132 kV Myntdu Leshka - Khleihriat D/C lines	
												Power supply was extended to Leshka HEP of Meghalaya Power System by charging 132 kV Myntdu Leshka - Khleihriat 1 and 2 at 21:39 hrs and 20:46 hrs respectively of 17.06.2024.		
												Nalabari, Nathkuchi & part of Barmagar radially connected to 220 kV Rangia SS. Kamalpur, Sipajhar & Tangla radially connected to 132 kV Rangia SS. 220 kV Rangia SS radially connected via 220 kV BTPS- Rangia D/C only.		
21	GD I	Rangia(220), Tangla, Sipajhar, Kamalpur, Nalbari, Nathkuchi and Barnagar areas of Assam Power system	17-06-2024 21:17	17-06-2024 21:31	00:14	0	130	0.00%	4.68%	3269	2777	At 21:17 Hrs of 17-06-2024 due to heavy downpour, 220kV BTPS- Rangia D/C lines tripped resulting in successful operation of SPS of the same. Due to which, 220kV Rangia S/S was isolated from 132kV Rangia S/S as well as 132kV Dhaligono Bamagar. Sipajhar, Kamalpur, Nathkuchi, Tangla Substations were isolated from Rangia System resulting in blackout of Nalbari, part load of Barnagar, Sipajhar, Kamalpur, Nathkuchi, Tangla aress of Assam Pover System.	220 kV BTPS- Rangia D/C lines	
												Power supply was extended to the affected areas of Assam Power System by first charging 220kV BTPS- Rangia line I and II at 21:31 Hrs and 21:34 Hrs respectively of 17.06.2024		
												Leshka HEP of Meghalaya Power System was connected with rest of NER Grid via 132 kV Myntdu Leshka - Khleihriat D/C lines.		
22	GD I	Leshka HEP of Meghalaya Power system	17-06-2024 23:37	18-06-2024 00:33	00:56	42	0	1.42%	0.00%	2952	1923	At 23:37 Hrs of 17:06-2024, 132 kV Myndu Leshka - Khleihriat D/C lines tripped. Due to tripping of these lines, Leshka HEP of Meghalaya Power System was isolated from NER Grid and collapsed due to loss of evacuation path.	132 kV Myntdu Leshka - Khleihriat D/C lines	
												Power supply was extended to Leshka HEP of Meghalaya Power System by charging 132 kV Myntdu Leshka - Khleihriat 1 and 2 at 00:33 hrs and 00:36 hrs respectively of 18.06.2024.		
												Nangalibira, Rongkhoa, Ampati areas and Ganol HEP of Meghalaya are conexcted with the rest of the grid through 132 kV Nangalibira-Mendipathar line, 132 kV Agiu-Nangalibira line & 132 kV Nangalibira- Nongstoin line. Prior to the event, 132 kV Nangalibira-Nongstoin and 132 kV Agia-Nangalibira lines tripped at 05:01 hrs of 18-06-2024.		
23	GD I	Nangalbibra, Rongkhon, Ampati areas and Ganol HEP of Meghalaya Power system	18-06-2024 05:07	18-06-2024 05:41	00:34	0	15	0.00%	0.78%	2767	1920	At 05:07 Hrs of 18-06-2024, 132kV Mendipathar – Nangalbibra line tripped. Due to tripping of this line, Nangalbibra, Rongkhon, Ampaii areas and Ganol HEP of Meghalaya Power System were isolated from NER Grid and collapsed due to load generation mismatch in these areas.	132kV Mendipathar – Nangalbibra line	
												Power supply was extended to the affected areas of Meghalaya Power System by first charging 132kV Mentipathar - Nangalibira line at 05:41 Hrs of 18.06.2024 and subsequently charged 152 kV Agia- Nangalbitra at 05:49 Hrs of 18.06.2024		
												Rengpang area of Manipur Power System was connected with rest of NER Grid through 132 kV Loktak – Rengpang line. 132 kV Jiribam-Rengpang line was under outage since 18:18 Hrs of 17.11.2023.		
24	GD I	Rengpang area of Manipur Power system	20-06-2024 10:54	20-06-2024 15:23	04:29			0.00%	0.00%	2567	2128	At 19:52 Hrs of 19:04-2024, 132 kV Loktak – Rengpang line tripped. Due to tripping of this element, Rengpang area of Manipur Power System was isolated from NER Grid and collapsed due to no source available this areaAt 10:54 Hrs of 20:46-2024, 132kV Loktak-Rengpang line tripped.	132 kV Loktak – Rengpang line	
												Power supply was extended to Rengpang area of Manipur Power System by charging 132 kV Loktak – Rengpang line at 15:23 Hrs on 20:06-2024		
												Sarupathar area of Assam Power System was connected with connected to NER Power system via 132kV Golaghat-Sarupathar-Bokajan link.		
25	GD I	Sarupather Area of Assam Power system	20-06-2024 14:41	20-06-2024 14:55	00:14	0	3	0.00%	0.13%	2836	2285	At 14:41 Hrs,132 kV Golaghat-Sarupathar and 132 kV Sarupathar-Bokajan lines tripped due to which Sarupathar area of Assam Power System was isolated from NER Grid and collapsed due to no source available in these areas.	132 kV Golaghat- Sarupathar & 132 kV Sarupathar- Bokajan	
												Power supply was extended by charging 132kV Golaghat - Sarupathar line at 14:55 Hrs of 20.06.2024		

Details of Grid Events during the Month of June 2024 in North Eastern Region         Image: Comparison of the second													
SI No.	Category of Grid Event	Affected Area	Time and Date of	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	% Loss of generation / loss of load w.r.t Antecedent Generation/Load in the Regional Grid during the Grid Event		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)		
26		Gossaigaon and Gauripur area of Assam Power system										Gossaigon and Gauripur areas of Assam Power System were connected with connected to NER Power system via 132 kV Dhaligaon-Gossaigaon-Gauripur link (132 kV Gauripur-Bilasipara was under S/D for SF6 gas leakage issue at Bilasipara end).	
	GD I		22-06-2024 11:58	22-06-2024 12:09	00:11	0	60	0.00%	2.34%	2675	2568	At 11:58 Hrs, 122kV Dhaligaon-Gossaigaon line tripped due to which Gosaigaon and Gauripar areas of Assam Power System were isolated from NER Grid and collapsed due to no source available in these areas. Power sapply was extended by charging 132kV Dhaligon-Gossaigaon line at 12:09 Hrs and then charging 132kV Gossaigaon-Gauripar at 12:15 Hrs of 22:06:2024	132kV Dhaligaon-Gossaigaon lin
												Pasighat, Roing, Tezu and Namsai areas of Arunachal Pradesh Power System and Chapakhowa area of Assam Power System was connected with rest of NER Grid by 132 kV Along -Pasighat line. (After tripping of 132kV Rupai – Chapakhowa line at 11:59 Hrs of 22-06-2024)	
		Pasighat, Roing, Tezu, Namsai										At 12:03 Hrs of 22:06:2024, 132 kV Along. Pasighat tripped. Due to tripping of this element, Pasighat- Roing-Tezu-Namai area of Arauachal Pardash Power System and Chapakhowa area of Assam Power System was isolated from NER Grid and collapsed due to on source available in these areas.	
27	GD I	areas of Arunachal Pradesh power system and Chapakhowa area of Assam Power system	22-06-2024 12:03	22-06-2024 13:09	01:06	0	19	0.00%	0.72%	2573	2640	Power was extended to Chapakhowa area of Assam Power System, by charging 132 kV Chapakowa – Rupai line at 12:23 Hrs. Subsequently, Power was extended to Arunachal Pradesh power system by charging 132 kV Roing – Chapakhowa – 1 ki 1at 12:24 Hrs of 22:06-20:42. Power was extended to Pasightat and Along areas by charging 132kV Roing – Pasighat at 12:59 Hrs and 132kV Pasighat – Along line at 13:09 Hrs respectively. Also, 132kV Roing – Tezu was charged at 12:45 Hrs and 132kv Tezu – Namsai was charged at 12:48 Hrs	132 kV Along - Pasighat
	GD I	Ganol area of Meghalaya Power system	22-06-2024 12:03	2024 12:03 22:06:2024 13:09								Ganol HEP of Meghalaya Power was connected with rest of NER Grid by 132 kV Rongkhon-Ganol line.	
28					01:06	15	0	0.56%	0.00%	2677	2778	HEP of Meghalaya Power System isolated from NER Grid and collapsed due to miping on uns central, sound HEP of Meghalaya Power System isolated from NER Grid and collapsed due to no evacuation path. Power supply was extended to Ganol HEP of Meghalaya Power System by charging 132 kV Rongkhon- Ganol line at 14-21 Hrs.	132 kV Rongkhon-Ganol line
												Leshka HEP of Meghalaya Power System was connected with rest of NER Grid via 132 kV Myntdu Leshka - Khleihriat D/C lines.	
29	GD I	Leshka HEP of Meghalaya Power system	23-06-2024 16:00	23-06-2024 16:09	00:09	119	0	4.51%	0.00%	2640	2721	At 16:00 Hrs of 23:06-2024, 132 kV Myndu Leshka - Khleihriat D/C lines tripped. Due to tripping of these lines, Leshka HEP of Meghalaya Power System was isolated from NER Grid and collapsed due to loss of evacuation path.	132 kV Myntdu Leshka - Khleihriat D/C lines
												Power supply was extended to Leshka HEP of Meghalaya Power System by charging 132 kV Myntdu Leshka - Khleihriat 1 at 16:09 hrs	
												Umiam area of Meghalaya Power System was connected with rest of NER Grid via 132 kV Umiam Stage I- Umiam and 132 kV Nehu-Umiam lines.	
30	GD I	Umiam area of Meghalaya Power system	24-06-2024 13:38	24-06-2024 14:30	00:52	0	10	0.00%	0.38%	3052	2601	At 13:38 Hrs of 24-06-2024, 132kV Umiam Stage I-Umiam and 132 kV Nehu-Umiam lines tripped. Due to tripping of these lines, Umiam S/8 of Meghalaya Power System was isolated from NER Grid.	132kV Umiam Stage I-Umiam and 132 kV Nehu-Umiam lines
												Power supply was extended to Umiam area of Meghalaya Power System by charging 132kV NEHU- Umiam line at 14:30 hrs of 24-06-2024.	
												Gossaigon area of Assam Power System is connected with connected to NER Power system via 132 kV Dhaligaon Gossaigaon-Gauripur line (132 kV Gauripur-Gossaigaon was kept open due to system requirement)	
31	GD I	power system	25-06-2024 07:05	06-2024 07:05 25-06-2024 07:10	00:05	0	2	0.00%	0.08%	3020	2580	At 07:05 Hrs of 25:06:2024, 132 kV Dhaligaon-Gossaigaon line tripped due to which Gosaigaon area of Assam Power System was isolated from NER Grid and collapsed due to no source available in the area.	132 kV Dhaligaon-Gossaigaon line
												Kohima substation was connected with the rest of the grid via 132 kV Doyang-Sanis-Wokha-	
32	GD I	Kohima, Doyang, Sanis, Wokha, Chiephobozou, Zhadima and Karong areas	25-06-2024 13:15	25-06-2024 14:28	01:13	0	29	0.00%	1.06%	2946	2739	Chiepbolozone-Zhadhima link while Doyang SS was connected with rest of the grid via 132 kV Doyang- Mokokchung and 132 kV Doyang-Zansi link while Karong was fed from 132 kV Kohima-Karong line. Prior to the event, 132 kV Doyang-Zhingmen DC lines were under outage and 132 kV Meluri- Kohima line was under outage since 27-09-2023.	132 kV Doyang-Mokokchung line
												At 13:15 Hrs of 25-06-2024, 132 kV Doyang-Mokokchung line tripped. Due to tripping of this element, Kohima Sanie Wolcha Chianhohozout Zadhima areas of Nagaland Karona area of Maninur and Doyang	

	Details of Grid Events during the Month of June 2024 in North Eastern Region 💱 सिंह- क्रिया													
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 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)			
												Dhemaji and Silapathar areas of Assam Power System were connected with connected to NER Power system via 132 kV North Lakhimpur-Dhemaji line.		
33	GD I	Dhemaji and Silapathar areas of Assam Power System	26-06-2024 13:15	26-06-2024 13:26	00:11	0	37	0.00%	1.29%	3132	2869	At 13:15 Hrs of 26.06.2024, 132 kV North Lakhimpur-Dhemaji line tripped due to which Dhemaji and Silapathar areas of Assam Power System was isolated from NER Grid and collapsed due to no source available in these areas. Power supply was extended to Dhemaji and Silapathar areas of Assam Power System by charging 132 kV North Lakhimur Dhemaii line at 1320 Hrs of 26:06 2024.	132 kV North Lakhimpur-Dhemaji line	
												Haflong(PG) S/S and Haflong area of Assam Power System were connected with connected to NER Power system via 132 kV Haflong(PG)-Umrangshu line. 132 kV Haflong(PG)-Jiribam(PG) line was under outage since 20.06.2024.		
34	GD I	Haflong area of Assam Power System	26-06-2024 16:59	26-06-2024 17:16	00:17	0	5	0.00%	0.18%	3126	2822	At 16:59 Hrs of 26:06:2024, 132 kV Haflong(PG)-Umrangshu line tripped due to which Haflong(PG) S/S and Haflong area of Assam Power System were isolated from NER Grid and collapsed due to no source available in these areas.	132 kV Haflong(PG)-Umrangshu line	
												Power supply was extended to Haflong(PG) S/S and Haflong area of Assam Power System by charging 132 kV Haflong(PG)-Umrangshu line at 17:16 Hrs of 26.06.2024.		
												Leshka Generating Station of Meghalaya Power System was connected with connected to NER Power system via 132 kV Myntdu Leshka - Khleihriat D/C Lines.		
35	GD I	Leshka Generating Station of Meghalaya Power System	26-06-2024 12:01	26-06-2024 12:44	00:43	84	0	2.72%	0.00%	3088	2838	At 12:01 Hrs of 26.06.2024, 132 kV Myndu Leshka - Khleihriat D/C Lines tripped due to which Myndu Leshka Generating Station of Meghalaya Power System was isolated from NER Grid and collapsed due to loss of evacuation path.	132 kV Myntdu Leshka - Khleihriat D/C Lines	
												Power supply was extended to Myndtu Leshka Generating Station of Meghalaya Power System by charging 132 kV Myntdu Leshka -Khleihriat 1 Line at 12:44 Hrs of 26.06.2024.		
												Lungmual, Melriat and Lunglei areas of Mizoram Power System were connected with connected to NER Power system via 132 kV Aizawl - Luangmual Line.		
36	GD I	Lungmual, Melriat and Lunglei area of Mizoram Power System	26-06-2024 15:44	26-06-2024 21:45	06:01	0	22	0.00%	0.75%	3082	2941	At 15:44 Hrs of 26.06.2024, 132 kV Aizawl - Luangmual Line tripped due to which Lungmual, Melriat and Lunglei areas of Mizoram Power System were isolated from NER Grid and collapsed due to no source available in these area.	132 kV Aizawl - Luangmual Line	
												Power supply was extended to Lungmual, Melriat and Lunglei areas of Mizoram Power System by charging 132 kV Aizawl-Lungmual Line at 21:45 Hrs of 26.06.2024.		
												Mustem area of Meghalaya Power System is connected with connected to NER Power system via 132 kV Mawlyndep-Mustem line & 132 kV Khlichriat-Mustem line. Prior to the event, 132 kV Khlichriat-Mustem line tripped at 12:12 Hrs of 26.06.2024.		
37	GD I	Mustem area of Meghalaya Power System	26-06-2024 12:28	26-06-2024 12:40	00:12	0	7	0.00%	0.24%	2987	2900	At 12:28 Hrs of 26.06.2024, 132 kV Mawlyndep-Mustem line tripped due to which Mustem area of Meghalaya Power System was isolated from NER Grid and collapsed due to no source available in these area.	132 kV Mawlyndep-Mustem line	
												Power supply was extended to Mustem area of Meghalaya Power System by charging 132kV Khlichriat- Mustem line at 12:40 Hrs of 26.06.2024.		
												Tuirial HEP of Mizoram Power System was connected NER Power system via 132kV Tuirial - Kolasib line.		
38	GD I	Tuirial HEP of Mizoram Power System	26-06-2024 13:51	26-06-2024 14:05	00:14	45	0	1.42%	0.00%	3176	2883	At 13:51 Hrs of 26.06.2024, 132 kV Tuirial - Kolasib line tripped due to which Tuirial HEP of Mizoram Power System was isolated from NER Grid and collapsed due to loss of evacuation path.	132 kV Tuirial - Kolasib line	
												Power supply was extended to Tuirial HEP of Mizoram Power System by charging 132kV Tuirial - Kolasib line at 14:05 Hrs of 26:06.2024.		
												Wokha area of Nagaland Power System was connected with connected to NER Power system via 132kV Wokha-Chiephobozou and 132 kV Sanis-Wokha lines.		
39	GD I	Wokha area of Nagaland Power System	26-06-2024 09:31	26-06-2024 10:08	00:37	0	5	0.00%	0.18%	3034	2768	At 09:31 Hrs of 26,06,2024, 132 kV Wokha-Chiephobozou and 132 kV Sanis-Wokha lines tripped due to which Wokha area of Nagaland Power System was isolated from NER Grid and collapsed due to no source available in these area.	132 kV Wokha-Chiephobozou and 132 kV Sanis-Wokha lines	
												Power supply was extended to Wokha area of Nagaland Power System by charging 132 kV Sanis-Wokha line at 10:08 Hrs of 26.06.2024.		
												Sanis area of Nagaland Power System was connected with rest of NER Power system via 132 kV Doyang- Sanis and 132 kV Sanis Wokha lines.		
40	GD I	Sanis area of Nagaland Power System	27-06-2024 03:54	27-06-2024 04:23	00:29	0	1	0.00%	0.04%	3177	2640	At 03:54 Hrs of 27.06.2024, 132 kV Doyang-Sanis and 132 kV Sanis-Wokha lines tripped due to which Sanis area of Nagaland Power System was isolated from NER Grid and collapsed due to no source available in these area.	132 kV Doyang-Sanis and 132 kV Sanis-Wokha lines	
												Power supply was extended to Sanis area of Nagaland Power System by charging 132 kV Doyang-Sanis line at 04:23 Hrs of 27.06.2024.		

				024 in North Eastern Region	🕡 ग्रिड-इंडिया GRID-INDIA								
SI	Category of Grid Event	Affected Area	Time and Date of	Time and Date of Restoration	Duration (HH:MM)	Loss of generation / los load during the Grid E		n / loss of irid Event % Loss of generation / loss of Generation/Load in the Regional Grid during the Grid Event		s of e Antecedent Generation/Load in Grid 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)		
41	GD I	Along, Pasighat, Roing, Tezu, Namsai areas of Arnunchal Pradesh Power System and Chapakhowa area of Assam Power System	28-06-2024 13:23	28-06-2024 13:46	00:23	0	24	0.00%	0.94%	2772	2564	Along, Pasighat, Roing, Tezu, Namsai areas of Anmachal Pradesh Power System and Chapakhowa area of Assam Power System was connected with rest of NER Power system in 132 kV Along - Basar Line & 132 kV Rupai-Chapakhowa line. Prior to theevert, 132 kV Rupai – Chapakhpwa line was under outage condition to facilitate shutdown of 132 kV Rupai-Timsaka line. At 13:23 Hrs of 28.06.2024, 132 kV Along - Pasighat Line and 132 kV Along - Basar Line tripped due to which Along, Pasighat, Roing, Tezu, Namsai areas of Annanchal Pradesh Power System and Chapakhowa area of Assam Power System were isolated from NER Grid and collapsed due to no source available in these areas. Power supply was extended to Along, Pasighat, Roing, Tezu, Namsai areas of Annanchal Pradesh Power System and Chapakhowa area of Assam Power System by charging 132 kV Rupai – Chapakhpwa line at 13:46 Hrs of 28.06.2024.	132 kV Along - Pasighat Line and 132 kV Along - Basar Line
42	GD I	Pasighat, Roing, Tezu, Namsai areas of Arnnachal Pradesh Power System and Chapakhowa area of Assam Power System	29-06-2024 09-25	29-06-2024 10:47	01:22	0	14	0.00%	0.60%	2873	2337	Pasighat, Roing, Tezu, Namsai areas of Arunachal Pndesh Power System and Chapakhowa area of Assam Power System are connected with rest of NER Power system via 132 kV Along - Pasighat Line and 132 kV Rupai – Chapakhowa line. At 09:25 Hrs of 29.06.2024, 132 kV Along - Pasighat Line, 132 kV Roing - Pasighat Line and 132 kV Rupai – Chapakhowa line tripped due to which Pasighat, Roing, Tezu, Namsai areas of Arunachal Pradesh Power System and Chapakhowa area of Assam Power System were isolated from NER Grid and collapsed due to no source available in these areas. Power supply was extended to Chapakhowa area of Assam Power System by charging 132 kV Rupai – Chapakhopva line at 09:42 Hrs of 29.06.2024. Subsequently power supply was extended to Roing, Tezu and Namsai areas of Arunachal Pradesh Power System by charging 132 kV Rupai – Chapakhopva line at 09:42 Hrs of 29.06.2024. Subsequently power supply was extended to Roing, Tezu and Namsai areas of Arunachal Pradesh Power System by charging 132 kV Rupai – 10:01 Hrs of 29.06.2024. Power supply was extended to Pasighat area of Anunachal Pradesh Power System by charging 132 kV Roing - Pasighat Line at 10:47 Hrs of 29.06.2024.	132 kV Along - Pasighat Line, 132 kV Roing - Pasighat Line and 132 kV Rupai – Chapakhpwa line
43	GI 1	Loktak	09-06-2024 10:32	09-06-2024 10:32	00:00	105	0	4.24%	0.00%	2476	2181	Loktak Unit-1,2,3 tripped at 10:32 Hrs on 09.06.2024 due to loss of evacuation path due to tripping of 132 kV Loktak-Jiribum line on Overcurrent from Loktak end.	Loktak Unit-1,2,3