Details of Grid Events during the Month of November 2023 in Northern Region

	-डंडिया
	-INDIA

													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)		ration / loss of the Grid Event	% Loss of genera load w.r.t An Generation/Lo Regional Grid dur Even	tecedent ad in the	Antecedent Generati Regional (Brief details of the event (pre fault and post fault system conditions)	Elements Tripped
	(GI 1or GI 2/ GD-1 to GD-5)					Generation Loss(MW)	Load Loss (MW)	% Generation Loss (MW)	% Load Loss (MW)	Antecedent Generation (MW)	Antecedent Load (MW)		
1	GI-2	Rajasthan	03-Nov-2023 09:16	03-Nov-2023 09:59	00:43	0	335	0.000	0.623	46716	53744	i) During antecedent condition, 220kV Hindaun220-Sikrai(Dausa)(Rai) cit was not in service and MVA loading of 400/220 kV 315 MVA ICT-1 & 2 at Hindaun(Rai) was 269 and 259 MVA in respectively. ii) As reported, at 09-16 hrs, 400/220kV 315MVA ICT-1 & 2 both tripped due to overloading. iii) As per BC, current in three phase in IV side of 400/220 kV 315 MVA ICT-1 at Hindaun(Rai) are I_R=936A, I_Y=966A and I_B=938A. iv) As per SVALAB Aside loss of approx. 335MVA is observed in Raijstath.	1) 400/220 kV 315 MVA ICT - 1 at Hindaun(Raj) 2) 400/220 kV 315 MVA ICT - 2 at Hindaun(Raj)
2	GI-2	Uttar Pradesh	04-Nov-2023 04:03	04-Nov-2023 05:48	01:45	455	0	1.492	0.000	30487	39273	During antecedent condition, interconnectors were in opened condition, 490MW Unit-5 was not running and 490MW Unit-6 was generating approx. 455MW. HOTC Rhand-Dadri Bipole was carrying total +500MW. John Schuller and Land Contracted on 400MV Dadri-Mandola ckt-1. Fault distance was approx. 100meter from Dadri TrS end. This fault was sensed by both the ends in 2-1. After +150mec (86 cycles) of fault, 8-ph pole of C is a both then ends opened and A/R started. Further after +1sec (dead time), line successfully astrochooled due to remaine nature of fault body between the contractions of the contraction of the contractio	13 400 KV Distripht?)-MandolajPG j PG j Cls-1 23 400 KV Distripht?-MandolajPG j PG j Cls-2 33 400 KV Distripht?-MandolajPG j PG j Cls-2 33 400 KV Distripht?-Loni Harch VinarjDV j (HT) Cls-2 449 601 KV Distripht TS-LURT Z 53 500 KV HVDC Rihand-Disdri (PG) Cls-1 63 500 KV HVDC Rihand-Disdri (PG) Cls-2
3	Gi-1	Himachal Pradesh	10-Nov-2023 13:54	10-Nov-2023 14:30	00:36	0	90	0.000	0.181	45307	49690	10 During antecedent condition, 400/220W 215MVA.ICT at Dehar(BB) was carrying 95MW among which 220W Dehar(BB)-Kangoo(PP) (PPPTCL) Cit was carrying 45MW and 220/1232W 45MWA.ICT-1 & 2 user carrying 22MW and 20MW respectively and the total of 42MW was executing through 12 EV Dehar(IB)-Kangoo(PP) (PPPTCL) Cit. 10 A reported, at 15% hav, 22MW Dehar(BB)-Kangoo(PP) (PPPTCL) Cit. 10 A reported, at 15% hav, 22MW Dehar(BB)-Kangoo(PP) (PPPTCL) Cit. 10 A reported, at 15% hav, 22MW Dehar(BB)-Kangoo(PP) (PPPTCL) Cit. 10 A reported by 15MB carrying 10 A reported by 1	1) 220 KV Dehar(BB)-Kangoo(HP) (HPPTCL) Ctt 2) 122 KV Dehar(BB)-Kangoo(HP) (HPPTCL) Ctt
4	GI-2	Himachal Pradesh	16-Nov-2023 02:01	16-Nov-2023 08:14	06:13	0	0	0.000	0.000	27333	33193	3 400/2230x Gumma(IPF) has one and half breaker scheme at 400kV level. 3) Are operated, at 02:01hm, but has protection operated at both 400xV loss 18, 2 at Gumma(IPF) due to malfunction of relay P746 (I* phase relay of Bus-1). Due to this, both the 400xV buses at Gumma(IPF) became dead and 400/220 xV 315 xV McV. T. 8, 2 at Gumma(IPF) due to malfunction of relay P746 (I* phase relay of Bus-1). Due to this, both the 400xV buses at Gumma(IPF) became dead and 400/220 xV 315 xV McV. T. 8, 2 at Gumma(IPF) due tripped. 3) Though the main Cits at Gumma(IPF) did 400xV Gumma(IPF) shathpa 3) havin Cit-18, 2 and 400xV Gumma(IPF) Panchkula(IPG) Cit-18, 2 tripped due to bus bar protection operation, but to Cits of the action circuits treamed closed. 4) As per P401 at Panchkula(IPG), no fault is observed in the custored area.	13 400 KV Gumma (#P)- Bus 1 23 400 KV Gumma (#P)- Bus 2 33 400/220 kV 315 MVA CT 1 at Gumma (#P) 4) 400/220 kV 315 MVA CT 2 at Gumma (#P)
5	GI-2	Rajasthan	17-Nov-2023 20:36	17-Nov-2023 23:11	02:35	0	80	0.000	0.179	34411	44672	100W Suragarh(R) has one and half breaker bus scheme. 400W Suragarh SCTPS curriagarh. 43:18.2 xts a interconnector between Suragarh SCTPS and Suragarh SCTPS are further connected via two interconnectors. 10 During antercedent condition, Unit-3, 4, 5.8 6 are connected at 400W Suragarh(R)S and Unit-7.8 8 of SCTPS are further connected via two interconnectors. 10 During antercedent condition, Unit-3, 4, 5.8 6 were already boxed up and Unit-7.8 8 of SCTPS were running at 488MW and 221MW load respectively. 400 W Suragarh(R)UII)-Blance(R)S (SIS ct and 400 W Suragarh(R))	13.400 KV Suratgarh(RVUN)-Ratangarh(RS) (RS) Ckt-1 23.400 KV Suratgarh SCTPS(RVUN)-Suratgarh(RS) (RS) Ckt-1 33.400 KV Suratgarh SCTPS(RVUN)-Suratgarh(RS) (RS) Ckt-2 43.400 KV Suratgarh(RVUN)-Bikaner(RS) (RS) Ckt
6	Gl-1	Punjab	30-Nov-2023 06:51	30-Nov-2023 08:14	01:23	463	60	1.331	0.140	34790	43000	1) 20/1/123/V Ropar (GGTPPS) has main and transfer bus scheme at 220kV level. 1) During entercedent condition, 1) 10 MW Guru Gobbind Singh TS (Ropar) - UNIT 1 (carrying "16HMW), UNIT 5 (carrying "16HMW) & UNIT 6 (carrying "151MW) and 220kV feeders to Kharry, Mohal & Goldinghirs 2-wer connected to 220kV main sessetion—18. Bit of the elements were connected to main Bus section—8. Bit. 11) As reported, at (MGS1 hrs, 220kV GGSTP-haurs Ckt tripped on R N phase to earth fault (tone—1 distance protection operated) with fault current of 4.071bA and fault distance of 333-lish mit mod GGTP in 4, paid current for 4.071bA and fault distance of 333-lish mit mod GGTP in 4, paid current for 4.071bA and fault distance of 333-lish mit mod GGTP in 4, paid current for 4.071bA and fault distance of 333-lish mit mod GGTP in 4, paid current for 4.071bA and fault distance of 333-lish mit mod GGTP in 4, paid current for 4.071bA and fault distance of 333-lish mit mod GGTP in 4, paid current for 4.071bA and fault distance of 333-lish mit mod GGTP in 4, paid current for 4.071bA and fault distance of 333-lish mit mod GGTP in 4, paid for 6.071bA and fault distance of 333-lish mit mod GGTP in 4, paid for 6.071bA and fault distance of 333-lish mit mod GGTP in 4, paid for 6.071bA and fault distance of 333-lish mit mod GGTP in 4, paid fault distance of 333-lish mit mod GGTP in 4, paid fault distance of 333-lish mit mod GGTP in 4, paid fault distance of 333-lish mit mod GGTP in 4, paid fault distance of 333-lish mit mod GGTP in 4, paid fault distance of 333-lish mit mod GGTP in 4, paid fault distance of 333-lish mit mod GGTP in 4, paid fault distance of 333-lish mit mod GGTP in 4, paid fault distance of 333-lish mit mod GGTP in 4, paid fault distance of 333-lish mit mod GGTP in 4, paid fault distance of 333-lish mit mod GGTP in 4, paid fault distance of 333-lish mit mod GGTP in 4, paid fault distance of 333-lish mit mod GGTP in 4, paid fault distance of 333-lish mit mod GGTP in 4, paid fault distance of 333-lish mit mod GGTP in 4, paid fault	1) 210 MW Guru Gobind Singh TPS (Roper) - UNIT 4 2) 210 MW Guru Gobind Singh TPS (Roper) - UNIT 5 3) 210 MW Guru Gobind Singh TPS (Roper) - UNIT 6 4) 2000 W GOTP Others Ct. 4) 2000 W GOTP Abers Ct. 7) 2000 W GOTP Singh Puthars Ct. 7) 2000 W GOTP Singh Puthars Ct. 7) 2200 W GOSTP-Gobindgerh Ct-1 8) 2200 W GOSTP-Gobindgerh Ct-1 8) 2200 W GOSTP-Gobindgerh Ct-1
7	GD-1	Uttarakhand	30-Nov-2023 17:31	30-Nov-2023 19:17	01:46	500	0	1.371	0.000	36478	47744	JA00WT Tehri(THOC) has double main bis scheme. I) During aftercedent condition, 250 MW TEHRI HPS - UNIT 2 was running at approx. 250MW and 250 MW TEHRI HPS - UNIT 3 was synchronized to grid at 17-24 hrs and was increasing the tool generation upon approx. 250MW and 250 MW TEHRI HPS - UNIT 3 was synchronized to grid at 17-24 hrs and was increasing the tool generation upon approx. 250MW and 250 MW TEHRI HPS - UNIT 3 hrs, 400 VT behri(THOC) Koteshwar(PG) (PG) Cls 1 tripped from both the ends and 400 NV Tehri(THOC) Koteshwar(PG) (PG) Cls 2 tripped from 16 MPS - UNIT 1, 2 & 3 also tripped due to los 3 were valuation path. I) On tripping of both 400 NV Tehri(THOC) Koteshwar(PG) (PG) Cls 1 at 2, 250 MW TEHRI HPS - UNIT 1, 2 & 3 also tripped due to los 3 were valuation path. II A 18 ST	1) 400 KV Tehri(THDC)-Koteshwar(PG) (PG) Ck: 1 2) 400 KV Tehri(THDC)-Koteshwar(PG) (PG) Ck: 2 3) 250 MW TEHR IRS - UNIT 1 4) 250 MW TEHR IRS - UNIT 2 5) 250 MW TEHR IRS - UNIT 3

								Deta	ails of Gr	id Events durii	ng the Mon	th of November 2023 in Western Region	िग्रह-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)		ration / loss of the Grid Event	% Loss of genera load w.r.t An Generation/Lo Regional Grid dui Even	tecedent oad in the ring the Grid	Antecedent Generat Regional		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	03-Nov-23 17:52	03-Nov-23 18:14	00:22	-	200	-	0.30%	72953	66421	At 17:52 hrt/03-11-2023, B phase lightening arrestor of 220 kV Kawas-Ichhapore-1 at Ichhapore station failed and resulted Bus Bar protection operation and 220 kV Ichhapore-Bus-182 and all connected elements tripped. Load loss of 200 MW occurred at Ichhapore due to the event.	Tripping of follwing elements- 1. 200 W. Ichhapore-Bus-182 2. 200 W. Klaws-Libhapore-Bus-182 2. 200 W. Klaws-Libhapore-Bus-182 3. 200 W. Sachin-Ichhapore-14 2. 200 W. Blut-Schhapore-14 5. 200 W. Blut-Schhapore-162 5. 200 /66 W. Ichhapore-ICT-1,2,384
2	GI-1	WR	11-Nov-23 06:54	11-Nov-23 12:00	05:06	152	-	0.23%	-	67080	60700	At 06-54 Hrs/11-11-2023, 220 kV Bus coupler of Dedhiya substation of Nakhatrana Wind PSS tripped on overcurrent protection resulting in tripping of 220 kV Dedhiya Bus-2 and 220/33 kV Dedhiya-ICT-182 were hand tripped at 08-24 hrs to prevent high inrush current during charging of bus coupler. Generation loss of 152 MW occurred at Dedhiya Wind power plant due to the event.	Tripping of follwing elements- 1. 220 kV Dedniya-Bus coupler 2. 220/33 kV Dedniya-ICT-182 3. 220 kV Dedniya-ICT-182
3	GD-1	WR	07-Nov-23 23:12	08-Nov-23 00:38	01:26	19.13	-	0.03%	-	67521	61977	At 23:12 Hey/07-11-2023, 220 kV Indore-Pritamnagar tripped on R-E fault at Pritamnagar end only and auto recloser successfull at Indore end, Pritamnagar Wind Power Plant became dead. Generation loss of 19.13 MW occurred Pritamnagar Wind Power Plant due to loss of evacuation path.	Tripping of follwing elements- 1. 220 kV Indore-Pritamnagar-1 2. 20/33 kV Pritamnagar-6T-1.2&3 3. 2.0 kV Pritamnagar-8us-1.82
4	GD-1	WR	13-Nov-23 11:11	13-Nov-23 12:18	01:07	-	167	-	0.28%	57136	58781	At 1.10 les /13.11.2023, opening of 400 kV Jetpur-Bus Coupler Bay-8 phase Bus 2 side Dropper Jumper from Ply-Over Bus resulted in tripping of 400kV Jetpur Bus-1 and all connected elements on Bus Bar protection operation. 40()220 kV Jetpur (TC-1 tripped on over-cutrent protection operation and 400 kV TPCL Mundra-Jetpur-2 tripped on over-cutrent protection operation. 40()20 kV Jetpur Bus-1 and 40()	Tripping of follwing elements- 1. 400 kV PECL Mundra-Jetpur-I&2 2. 400 kV Jetpur-Ameli- 1 3. 400/220 kV Jetpur ICT-12, (315 MVA) 4. 4000kV Jetpur Bus-1 5. 400/220 kV Jetpur ICT-14, (500 MVA)
5	GI-2	WR	14-Nov-23 05:00	14-Nov-23 09:45	04:45	,	-	-	-	53156	48265	At 05:00 Hrs /14-11-2023, fault in R-phase Disconnector swith (DS1) of 400 NV Vav-Kosamba resulted in tripping of 400 NV Vav Bus- 1 and all the connected elements on Bus bar protection operation. 400 NV Vav-Kosamba was under outage due to high-voltage but its Disconnector swith (DS1) was dosed. 400 NV Usa-Vav connected to 400 NV Vav Bus- 2 also tripped during the event on Zone-4 protection operation and Carrier recieved. No load loss occurred due to the event.	Tripping of follwing elements- 1. 400/220 kV vsv (T-3 (500 M/A) 2. 400 kV Vs bis Reactor 3. 400 kV Vs bis Reactor 3. 400 kV Vss Bis Coupler 4. 400 kV Vlas Vs (Connected to 400 kV Vsv Bis- 2) 5. 400 kV Vsv Kosamba-1
6	GD-1	WR	25-Nov-23 18:20	25-Nov-23 19:37	01:17	35	-	0.05%	-	70810	65221	At 18:20 Hey/25-11-2023, 20XV Kotda Math-Bhuj-1 tripped on 8-E fault from Kotda Madh end and Auto Reciser successfully operated at Bhuj end. Kotda madh end AR blocked due to unhealthy PLCC. Generation loss of 40 MW reported at Kotda Madh wind power plant due to loss of evacuation path.	Tripping of follwing elements- 1. 220 kV Bhuj-Kotda Madh-1
7	GD-1	WR	27-Nov-23 02:20	27-Nov-23 18:52	16:32	115	-	0.24%	-	48200	42027	At 02:20 Hs / 27-11-2023, 220 NV Indoor-PGI-Pritamnagar-1 tripped on Y-E fault due to Y phase jumper open at fault location. Generation loss of 115 MW occurred at Pritamnagar [AWEMPJR] wind power plant due to loss of evacuation path.	Tripping of follwing elements- 1. 220 kV Indore(PG)-Pritamnagar-1
8	GD-1	WR	27-Nov-23 13:55	27-Nov-23 16:03	02:08	17	-	0.03%	-	61545	52483	At 13:55 Hs / 27-11-2023, 220 NV Binuj-Korlda Madh-1 tripped due to false DT signal received from Binuj end. Generation loss of 17 MW occurred at Kolda Madh (Alfanar) wind power plant due to loss of evacuation path.	Tripping of follwing elements- 1. 220 kV Bhuj-Kotda Madh-1
9	GI-1	WR	28-Nov-23 16:27	28-Nov-23 18:15	01:48	135	-	0.002	-	63658	53346	At 16:27 Ms / 29 11-2023, 220 NV Bhuj-Nanavalka-1 auto reclosed successfully at both end on 8-E fault. At same time 220/23 NV Nanavalka-VCT-18.2 tripped on Over Current Earth Fault protection operation. No fault found during inspection. Generation loss of 135 MW occurred at Nanavalka (Alfanar) wind power plant due to the event.	Tripping of follwing elements- 1. 220/33 kV Nanavalka-ICT-1&2
10	GD-1	WR	29-Nov-23 16:06	29-Nov-23 18:09	02:03	-	487	-	0.009	62831	52678	As 16:04 No. / 25-11-2023, R phase CT of Bus coupler burst at 220 VV thandgolds. 220 VV Khandgolds-New Khandgolds-182 tripped on Over Current Earth Fault, 200 NV Vapi-Bhitos-1 and 220 VV Vapi-Khandgolds-1 tripped from Vapi end only on zone-2 R & Isult. Due to these trippings gowerflow to 220 NV Khandgolds-Bus-182 became zero (Bus became bead), Load Bus of 487 NVV occurred at Khandgolds and Bhitos due to the event.	Tripping of follwing elements- 1. 220 k V Kharadpada-New Kharadpada-18.2 2. 200 k V Vap-Fillosa-1 3. 220 kV Vapi-Kharadpada-1

								Detai	ils of Grid	l Events durin	g the Mont	h of November 2023 in Southern Region	ग्रिड- <mark>इंडिया</mark> 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)		ration / loss of the Grid Event	% Loss of general load w.r.t Ant Generation/Lo Regional Grid dur Event	tecedent ad in the ring the Grid	Antecedent Generat Regional		Brief details of the event (pre fault and post fault system conditions)	Elements Tripped
	(GI 1or GI 2/ GD-1 to GD-5)					Generation Loss(MW)	Load Loss (MW)	% Generation Loss (MW)	% Load Loss (MW)	Antecedent Generation (MW)	Antecedent Load (MW)		
1	GD-1	Tamil Nadu	03-Nov-23 03:19	03-Nov-23 07:12	3hrs 53mins	0	200	0.00%	0.57%	30368	34874	Complete Outage of 230AV/130W Koyumbedu SS, 230KV Guindy SS, 230KV/33kV Mambalam SS and 230AV/33kV BA Puram SS of TANTBANSCO: During antecedent conditions, were being radially fed from 230KV/130W Koyumbedu SS. As per the reports submitted in the triggering incident was B N fault in 230W Koyumbedu Guindy line. Koyumbedu end failed to clear the fault and the fault was cleared but remote ends of other connected lines in zone-3. This resulted in complete outage of 230kV/130W Koyumbedu SS, 230kV Guindy SS, 230kV Gui	1. 230kV Koyambedu Guindy 2. 230kV Koyambedu Alamathy 3. 230kV Koyambedu Shiperumbudur 4. 230kV Koyambedu Shiperumbudur 4. 230kV Koyambedu Ambathur 5. 230kV Koyambedu Thiruverkadu
2	GD-1	Kerala	08-Nov-23 13:35	08-Nov-23 14:12	37mins	25	420	0.06%	0.91%	43336	45916	Complete Outage of 220kV/110kV/11kV Mylatty SS, 220kV/110kV Ambalathars SS, 220kV/110kV/11kV Kanhirode SS, 220kV/110kV/31kV Talparamba SS and 220kV/110kV Talassery SS of KSEBs. As per the reports submitted, 220kV Orlattery Areabook was under outage. The triggering incident was fault in 220kV Areabook Kanhirode Line-1 and the line tripped. Since 220kV/110kV/11kV Mylatty SS, 220kV/110kV Areabook SS, 220kV/110kV Markindes SS, 220kV/110kV/31kV Areabook SS, 220kV/110kV Markindes SS, 220kV Markindes SS,	220kV Areakode Kanhirode Line-1
3	GD-1	Karnataka	08-Nov-23 22:14	09-Nov-23 01:20	3hrs 06mins	1089	260	3.15%	0.65%	34624	40171	Complete Outage of 400W/J208V UPCI, 208W MSEZ SS, 2208V Kavoor and Tripping of 2208V Bis-1 of 2208V Remar SS: During antecedent conditions, 2208V Fermar SS was operating with a bus split condition with 2208V Pottur, 2208V Visits, and 2208V Hegguing on 2208V Bis-2 and 2208V UPCI, 2208V MSEZ and 2208V VECV Bis-1 4008V UPCI. West personal proproximately 4000M. The triggering includent was a 8 in fault on 4008 UPCI. West personal shall lime 182 during beary nain. The fault was series in zone-2 at both ends and the lines tripped with a delay of approximately 4000m. Immediately, UPCI. Unit-2 tripped on SPS operation. Tripping of both three lines resulted in an unstable island with 400W/J200W UPCI, 2208V WSEZ SZ, 2200W Kavoor, 320 WSE WREM SEL - Where UPCI. Unit-12 enroped nows aroner than local . Immediately, under frequency protection operated and UPCI. Unit-13 tripped. This resulted in a complete outage of 400W/J200W UPCI, 2208V MSEZ SS, 2200W Kavoor, and 2206V Kemar Bus-1 L	1. 400kV UPCL Hebbenshall Line-182
4	GD-1	Tamil Nadu	11-Nov-23 03:21	11-Nov-23 04:05	44mins	100	0	0.33%	0.00%	30478	34994	Complete Outage of 23/BV JSW, Vilathikulam, Wind Station: As per the reports submitted, the triggering incident was Y-N fault in 23/BV TTGS JSW_Vilathikulam_Wind line and the line tripped. Tripping of the only connected line resulted in complete outage of 23/BV JSW_Vilathikulam_Wind Station.	230kV TTGS JSW_Vilathikulam_Wind
5	GD-1	Andhra Pradesh	13-Nov-23 07:59	13-Nov-23 10:26	2hr 27mins	0	0	0.00%	0.00%	34550	39401	Complete Outage of 220kV Tallapally SWS of AFTRANSCO: As per the reports submitted, the triggering incident is the R-phase CVT failure for 220kV Tallapally-rissallam R8-2 at Tallapally end. Since VT four Ital was observed before the eventual failure of the CVT in the line, the zone protection was blocked in the line. The fault in R-phase was observed to have a fault current of 32kA and developed into a RV fault after around 250ms. Since the zone protection was blocked in the line of 220kV Tallapally-Sinsallam R8-2, the lines tripped at renote end on 22 or in 22 at Tallapally-Sinsallam R8-2, the lines tripped at renote end on 22 or in 22 at Tallapally-Sinsallam R8-2, the lines tripped at renote end on 22 or in 22 at Tallapally-Sinsallam R8-2, the lines tripped at renote end on 22 or in 22 at Tallapally-Sinsallam R8-2, the lines tripped at renote end on 22 or in 22 at Tallapally-Sinsallam R8-2, the lines tripped at renote end on 22 or in 22 at Tallapally-Sinsallam R8-2, the lines tripped at renote end on 22 or in 22 at Tallapally-Sinsallam R8-2, the lines tripped at renote end on 22 or in 22 at Tallapally-Sinsallam R8-2, the lines tripped at renote end on 22 or in 22 at Tallapally-Sinsallam R8-2, the lines tripped at renote end on 22 or in 22 at Tallapally-Sinsallam R8-2, the lines tripped at renote end on 22 or in 22 at Tallapally-Sinsallam R8-2, the lines tripped at renote end of 220kV Tallapally-Sinsallam R8-2, the lines tripped at renote end of 220kV Tallapally-Sinsallam R8-2, the lines tripped at R8-2, th	220kV Talappally Rentachintala 220kV Talappally Piduguralla-1&2
6	GD-1	Karnataka	20-Nov-23 10:19	20-Nov-23 11:05	46mins	14	363	0.03%	0.70%	50677	51988	Tripping of 20kW Bus-1 of 40kW/220kW Guttur SS, 220kW Bus-2 of 220kW/56kW Honald SS and complete outage of 20kW/10kW Ranebenur SS, 220kW/66kW Honald SS and complete outage of 20kW/110kW Ranebenur SS, 220kW/66kW Honald SS and complete outage of 220kW/66kW Demander SS, 22	1. 400/220 kV ICT-1 AT GUTTUR
7	GD-1	Tamil Nadu	22-Nov-23 18:22	23-Nov-23 20:17	1hr 55mins	0	0	0.00%	0.00%	39153	47552	Complete Outage of 230AV SPRNG_Pugatur: As per the reports submitted, the triggering incident was R-N fault in 230AV Pugatur Spring_Pugatur line and the line tripped. Tripping of the only connected line resulted in complete outage of 230AV SPRNG_Pugatur.	1. 230kV Pugalur Sprmg_Pugalur line
8	GD-1	Andhra Pradesh	22-Nov-23 00:39	24-Nov-23 09:39	9hrs	0	0	0.00%	0.00%	32560	32548	Complete outage of 400AV RYTPP Generating station of ARGENCO: As per the reports submitted, the triggering incident was Over voltage at RYTPP end. Immediately Over voltage or AVENTP Control of 400AV RYTPP calls in Line 282 operated at RYTPP end and DT was sent to Kalikin. Tripping of both lines resulted in complete outages of 400AV RYTPP Generating station.	1. 400kV RYTPP Kalikir Line-1&2
9	GD-1	Karnataka	24-Nov-23 08:05	24-Nov-23 09:17	1hr 12 mins	0	159	0.00%	0.38%	41846	41991	Complete Outage of 220M/56MV Ancheplays SS, 220M/56MV Magadi SS and 220M/56MV Maga Mangala SS of KPTCL: As per the reports submitted, the triggering incident was tripping of 400/220M Nelamangala-500M/NA (CT 2 on operation of WTL immediately, SPS operated tripping the 220MV Nelamangala-Anchepalya and 220MV Nelamangala-Magadi Siese. Tripping of these lines resulted in a complete outage of 220MV/56MV Ancheplays SS, 220MV/56MV Magadi SS and 220MV/56MV Naga Mangala SS. At the same time, 400MV Nelamangala-Hassan line, whose main breaker was under outage and was charged through Tie of 400MV/23MV Nelamangala-CT-2, also tripped along with the ICT-2	1.400kV Nelamangala-Hassan 2. 220kV Nelamangala - Magadi 3. 220kV Nelamangala - Anchepalya 4. 220kV Anchepalya – Nagamangala 182 5.400/220kV Nelamangala 500MVA ICT 2
10	GD-1	Karnataka	29-Nov-23 12:15	29-Nov-23 12:25	10mins	50	270	0.12%	0.63%	40890	42824	Complete Outage of 220kV/664V Begur SS, 220kV/664V K Halli Ss., 220kV/664V Chamrajnagor SS, 220kV/664V Madhuvanshalli SS and 220kV/664V Hebbani SS and 220kV Bus-2 of 220kV/664V Waymanagala SS of BPTCL: During anterestent conditions, 220kV TR Halli Kantapura line was under outage. As per the reports submitted, the triggering incident was Y phase jumper failure in 220kV Morore Kadakola Inc. At the same time, 220kV Kadakola Adakanshaly Line-182 tripped on DEF protection at Kadakola end. Subesquently, Vaymanagala bus coupler tropled on over correct protection. This resulted in complete outage of 220kV/664V Begur SS, 220kV/664V TK Halli SS, 220kV/664V Chamrajnagar SS, 220kV/664V Madhuvanshalli SS and 220kV/664V Madhuvansh	220kV Kadakola Adakanahalily Line-182 220kV Kadakola Mysore line
11	GI-1	Kerala	07-Nov-23 13:02	07-Nov-23 14:33	1hr 31mins	0	0	0.00%	0.00%	42815	47556	Tripping of 220kl/110kV Pothencode SS of KSSB: As per the reports submitted, the triggering incident was tension insulator failure in 220kV Bus-1 causing an R-N fault in the bus. Immediately BBP operated and all the elements connected to the bus tripped.	220kV Edamon Pothencode Line-1 220kV Pothencode Kattakada Line-1 220kV Pothencode Triandrum Line-1 4.220kV/110kV Pothencode Transformer Line-18.3
12	GI-2	Tamil Nadu	12-Nov-23 02:23	12-Nov-23 08:19	5hr 56mins	267	0	0.95%	0.00%	28206	33659	Tripping of 400kV Bus-1 of 400kV NTECL Vallur Generating station: As per the reports submitted, while withdrawing NTECL Vallur Unit-2, LBB operated and all the elements connected to the 400kV NTECL Bus-1 tripped.	1. 400kV Vallur Kalivendapattu Line-1 2. 400kV Vallur Alamathi Line-1 3. 400kV Vallur NCTPS line-1 4. 400kV Vallur Unit-3

						Details of G	rid Events du	ring the Month of Nove	ember 2023 in Eastern Region	ि ग्रिड-इंडिया GRID-INDIA
SI	Category of Grid Event	Affected Area Time and Date of occurrence of Grid Event	Time and Date of Restoration	Duration (HH:MM)	Loss of 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 Gener Regiona		Brief details of the event (pre fault and post fault system conditions)	Elements Tripped
	(GI 1or GI 2/ GD-1 to GD-5)				Generation Load Loss Loss(MW) (MW)	% Generation	Antecedent Generation (MW)	Antecedent Load (MW)		
	NIL									

ि ग्रिड-इंडिया GRID-INDIA Details of Grid Events during the Month of November 2023 in North Eastern Region % Loss of generation / loss of load w.r.t Antecedent Loss of generation / loss of edent Generation/Load in the Category of Generation/Load in the Grid Event load during the Grid Event Regional Grid* Regional Grid during the Grid Time and Date of Duration Event Elements Tripped Affected Area Brief details of the event (pre fault and post fault system conditions) currence of Grid Ever Restoration (HH-MM (GI for GI 2 Load Loss (MW) % Generation % Load Loss (MW) Antecedent Loss (MW) Load (MW) GD-1 to GD-5) Loss(MW) Generation (MW) ukia along with Margherita areas of Assam Power System were connected with the rest of the grid by 220 kV Kathalguri-Tinsukia 2 line. 220 kV NTPS-Tinsukia line. 220 kV NRPP-Tinsukia line. 132 kV Dibrugarh-Tinsukia line. 132 kV Bordubi-Tinsukia line. 132 kV Rupai-Tinsukia line & 132 kV Rupai-Margherita lines. 220 kV Kathalguri-Tinsukia 1 line was under planned shutdown prior to the event. At 12.48 Hrs of 07-11-2023, 220 kV Kathalguri-Tinsukia 2 line, 220 kV NTPS-Tinsukia line, 220 kV Mapai-Tinsukia line, 132 kV Rupai-Tinsukia line, 132 kV Rupai-Tinsukia line, 132 kV Rupai-Tinsukia line, 132 kV Rupai-Tinsukia line & 132 kV Rupai-Tins 220 kV Kathalguri-Tinsukia 2 line. 220 kV NTPS-Tinsukia line. 220 Tinsukia & Margherita area kV NRPP-Tinsukia line, 132 kV Dibrugarh-Tinsukia line, 132 kV Bordubi-Tinsukia line, 132 kV GD-I 07-Nov-23 12:48 07-Nov-23 13:38 53 4.29% 2.78% 2287 1905 of Assam Power system Rupai-Tinsukia line & 132 kV Rupai-Margherita lines Power was extended to Tinsukia and Margherita areas of Assam Power system by charging 220 kV Tinsukia-NTPS line & 132 kV Rupai-Margherita line at 13:38 Hrs and 14:02 Hrs of 07-11-2023 respectively. Rokhia area of Tripura Power System were connected with the rest of the grid by 132 kV Rokhia-Agartala I & II lines and 132 kV Rokhia-Monarchak lines. AT 14:12 Hrs of 17-11-2023, 132 kV Rokhia-Agartala D/C & 132 kV Rokhia-Monarchak lines tripped. Due to tripping of this elements, Rokhia area of Tripura Power System got separated from rest of NER grid and collapsed due to load-generation mismatch in this area. Rokhia area of Tripura 17-Nov-23 14:12 GD-I 17-Nov-23 15:41 01:29 20 1.18% 0.37% 1698 1642 132 kV Agartala-Rokhia I & II and 132 kV Rokhia-Monarchak Power system wer was extended to Rokhia area of Tripura Power system by charging 132 kV Rokhia-Agartala I line at 15:41 Hrs of 17-11-2023. hima area of Tripura Power System were connected with the rest of the grid by 132 kV Dimapur- Kohima, 132 kV Karong- Kohima At 11:51 Hrs of 25-11-2023, 132 kV Dimapur- Kohima, 132 kV Karong- Kohima and 132 kV Chiempobozou- Kohima lines.tripped. Due to Kohima area of Nagaland 132 kV Dimapur- Kohima, 132 kV Karong- Kohima and 132 kV Chiempobozo 25-Nov-23 12:21 GD-I 25-Nov-23 11:51 00:30 17 0 0.92% 0.00% 1853 1874 tripping of this elements,Kohima area of Nagaland Power System got separated from rest of NER grid and collapsed due to load-generation mismatch in this area. Power System wer was extended to Rokhia area of Tripura Power system by charging 132 kV Karong-Kohima line at 12:21 Hrs of 25-11-2023.