



उ.पू.क्षे का तिमाही सिस्टम संचालन रिपोर्ट

जनवरी'25 - मार्च'25

Quarterly System Operation Report of North Eastern Region January'25 - March'25

ग्रिड कंट्रोलर ऑफ इंडिया लिमिटेड

(भारत सरकार का उद्यम)

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उत्तर पूर्वी क्षेत्रीय भार प्रेषण केन्द्र

North Eastern Regional Load Despatch Centre

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उपक्षे का तिमाही सिस्टम स्टेटस रिपोर्ट / Quarterly Report of North Eastern Region

अवधि के लिए / for the period w.e.f Jan '25 to Mar '25
पर जारी / Issued on : 17-Apr-2025

1. पावर अंश की गुणवत्ता (वोल्टेज और आवृत्ति प्रोफाइल) / Quality of Power (Voltage and Frequency Profile) excerpt

1.1 वोल्टेज प्रोफाइल पीयू में / Voltage Profile in pu

Month	AZARA - 400KV					BALIPARA - 400KV					BgTPP - 400KV					BISWANATH CHARIALI - 400KV				
	Maximum (kV)	Maximum (PU)	Minimum (kV)	Minimum (PU)	VDI	Maximum (kV)	Maximum (PU)	Minimum (kV)	Minimum (PU)	VDI	Maximum (kV)	Maximum (PU)	Minimum (kV)	Minimum (PU)	VDI	Maximum (kV)	Maximum (PU)	Minimum (kV)	Minimum (PU)	VDI
Jan '25	413.34	1.033	396.00	0.990	0.00	416.00	1.040	392.00	0.980	0.00	419.00	1.048	394.00	0.985	0.00	416.00	1.040	393.00	0.983	0.00
Feb '25	418.00	1.045	395.00	0.988	0.00	416.00	1.040	395.00	0.988	0.00	417.00	1.043	396.00	0.990	0.00	418.00	1.045	395.00	0.988	0.00
Mar'25	413.00	1.033	394.00	0.985	0.00	417.00	1.043	392.00	0.980	0.00	416.00	1.040	394.55	0.986	0.00	417.00	1.043	391.00	0.978	0.00

Month	BONGAIGAON - 400KV					BYRNIHAT (KILLING) - 400KV					IMPHAL(PG) - 400KV					Kameng - 400KV				
	Maximum (kV)	Maximum (PU)	Minimum (kV)	Minimum (PU)	VDI	Maximum (kV)	Maximum (PU)	Minimum (kV)	Minimum (PU)	VDI	Maximum (kV)	Maximum (PU)	Minimum (kV)	Minimum (PU)	VDI	Maximum (kV)	Maximum (PU)	Minimum (kV)	Minimum (PU)	VDI
Jan '25	419.72	1.049	394.00	0.985	0.00	421.00	1.053	401.00	1.003	0.00	416.00	1.040	396.00	0.990	0.00	417.61	1.044	392.00	0.980	0.00
Feb '25	419.00	1.048	395.00	0.988	0.00	420.00	1.050	396.00	0.990	0.00	417.00	1.043	395.00	0.988	0.00	416.02	1.040	395.00	0.988	0.00
Mar'25	417.00	1.043	397.00	0.993	0.00	417.00	1.043	395.00	0.988	0.00	416.00	1.040	392.81	0.982	0.00	418.00	1.045	392.00	0.980	0.00

Month	MARIANI (PG) - 400KV					MISA - 400KV					NEW KOHIMA - 400KV					PALATANA - 400KV				
	Maximum (kV)	Maximum (PU)	Minimum (kV)	Minimum (PU)	VDI	Maximum (kV)	Maximum (PU)	Minimum (kV)	Minimum (PU)	VDI	Maximum (kV)	Maximum (PU)	Minimum (kV)	Minimum (PU)	VDI	Maximum (kV)	Maximum (PU)	Minimum (kV)	Minimum (PU)	VDI
Jan '25	415.00	1.038	396.00	0.990	0.00	416.00	1.040	395.00	0.988	0.00	417.14	1.043	395.00	0.988	0.00	413.94	1.035	392.00	0.980	0.00
Feb '25	420.00	1.050	396.00	0.990	0.00	420.00	1.050	395.00	0.988	0.00	417.47	1.043	394.00	0.985	0.00	415.00	1.038	395.00	0.988	0.00
Mar'25	415.13	1.038	394.00	0.985	0.00	414.00	1.035	393.00	0.983	0.00	416.89	1.043	394.00	0.985	0.00	415.00	1.038	395.00	0.988	0.00

Month	PK BARI (STERLITE) - 400KV					RANGANADI - 400KV					SILCHAR - 400KV					Surajmaninagar (Sterlite) - 400KV				
	Maximum (kV)	Maximum (PU)	Minimum (kV)	Minimum (PU)	VDI	Maximum (kV)	Maximum (PU)	Minimum (kV)	Minimum (PU)	VDI	Maximum (kV)	Maximum (PU)	Minimum (kV)	Minimum (PU)	VDI	Maximum (kV)	Maximum (PU)	Minimum (kV)	Minimum (PU)	VDI
Jan '25	411.00	1.028	395.00	0.988	0.00	415.61	1.039	392.00	0.980	0.00	419.00	1.048	397.93	0.995	0.00	410.16	1.025	391.00	0.978	0.00
Feb '25	416.78	1.042	393.00	0.983	0.00	417.00	1.043	395.00	0.988	0.00	419.00	1.048	398.00	0.995	0.00	415.78	1.039	395.00	0.988	0.00
Mar'25	413.73	1.034	393.82	0.985	0.00	419.00	1.048	392.00	0.980	0.00	418.00	1.045	396.00	0.990	0.00	412.51	1.031	394.00	0.985	0.00

Month	AGBPP - 220KV					AGIA - 220KV					AZARA - 220KV					BALIPARA - 220KV				
	Maximum (kV)	Maximum (PU)	Minimum (kV)	Minimum (PU)	VDI	Maximum (kV)	Maximum (PU)	Minimum (kV)	Minimum (PU)	VDI	Maximu m (kV)	Maximum (PU)	Minimum (kV)	Minimum (PU)	VDI	Maximum (kV)	Maximum (PU)	Minimum (kV)	Minimum (PU)	VDI
Jan '25	233.00	1.059	218.00	0.991	0.00	234.00	1.064	217.00	0.986	0.00	233.00	1.059	218.04	0.991	0.00	231.13	1.051	218.25	0.992	0.00
Feb '25	235.31	1.070	216.82	0.986	0.00	232.00	1.055	216.02	0.982	0.00	232.00	1.055	219.30	0.997	0.00	233.11	1.060	219.00	0.995	0.00
Mar'25	232.00	1.055	218.00	0.991	0.00	232.03	1.055	216.41	0.984	0.00	235.00	1.068	216.64	0.985	0.00	234.00	1.064	218.00	0.991	0.00

Month	BOKO - 220KV					BONGAIGAON - 220KV					BTPS - 220KV					BYRNIHAT (KILLING) - 220KV				
	Maximum (kV)	Maximum (PU)	Minimum (kV)	Minimum (PU)	VDI	Maximum (kV)	Maximum (PU)	Minimum (kV)	Minimum (PU)	VDI	Maximu m (kV)	Maximum (PU)	Minimum (kV)	Minimum (PU)	VDI	Maximum (kV)	Maximum (PU)	Minimum (kV)	Minimum (PU)	VDI
Jan '25	233.00	1.059	219.00	0.995	0.00	232.00	1.055	219.00	0.995	0.00	233.00	1.059	219.00	0.995	0.00	232.00	1.055	220.00	1.000	0.00
Feb '25	233.11	1.060	218.59	0.994	0.00	236.23	1.074	217.55	0.989	0.00	235.83	1.072	218.00	0.991	0.00	232.00	1.055	220.00	1.000	0.00
Mar'25	232.00	1.055	215.00	0.977	0.00	232.00	1.055	218.00	0.991	0.00	232.00	1.055	217.00	0.986	0.00	236.57	1.075	216.52	0.984	0.00

Month	DEOMALI - 220KV					DIMAPUR (PG) - 220KV					JAWAHARNAGAR - 220KV					KOPILI - 220KV				
	Maximum (kV)	Maximum (PU)	Minimum (kV)	Minimum (PU)	VDI	Maximum (kV)	Maximum (PU)	Minimum (kV)	Minimum (PU)	VDI	Maximu m (kV)	Maximum (PU)	Minimum (kV)	Minimum (PU)	VDI	Maximum (kV)	Maximum (PU)	Minimum (kV)	Minimum (PU)	VDI
Jan '25	232.00	1.055	218.00	0.991	0.00	231.00	1.050	218.00	0.991	0.00	233.00	1.059	218.00	0.991	0.00	231.00	1.050	218.00	0.991	0.00
Feb '25	232.00	1.055	218.00	0.991	0.00	233.00	1.059	216.00	0.982	0.00	231.26	1.051	216.00	0.982	0.00	231.30	1.051	217.00	0.986	0.00
Mar'25	234.00	1.064	216.00	0.982	0.00	233.00	1.059	216.00	0.982	0.00	236.00	1.073	210.24	0.956	0.00	236.69	1.076	211.14	0.960	0.00

Month	LANGPI - 220KV					MARIANI (AS) - 220KV					MARIANI (PG) - 220KV					MISA - 220KV				
	Maximum (kV)	Maximum (PU)	Minimum (kV)	Minimum (PU)	VDI	Maximum (kV)	Maximum (PU)	Minimum (kV)	Minimum (PU)	VDI	Maximu m (kV)	Maximum (PU)	Minimum (kV)	Minimum (PU)	VDI	Maximum (kV)	Maximum (PU)	Minimum (kV)	Minimum (PU)	VDI
Jan '25	234.00	1.064	217.00	0.986	0.00	232.00	1.055	218.42	0.993	0.00	231.39	1.052	219.00	0.995	0.00	229.65	1.044	219.00	0.995	0.00
Feb '25	232.00	1.055	216.80	0.985	0.00	232.00	1.055	216.80	0.985	0.00	234.00	1.064	219.00	0.995	0.00	234.00	1.064	218.00	0.991	0.00
Mar'25	235.69	1.071	211.64	0.962	0.00	232.00	1.055	216.00	0.982	0.00	231.00	1.050	219.00	0.995	0.00	236.73	1.076	216.69	0.985	0.00

Month	MOKOKCHUNG - 220KV					NTPS - 220KV					RANGIA - 220KV					SALAKATI - 220KV				
	Maximum (kV)	Maximum (PU)	Minimum (kV)	Minimum (PU)	VDI	Maximum (kV)	Maximum (PU)	Minimum (kV)	Minimum (PU)	VDI	Maximu m (kV)	Maximum (PU)	Minimum (kV)	Minimum (PU)	VDI	Maximum (kV)	Maximum (PU)	Minimum (kV)	Minimum (PU)	VDI
Jan '25	235.00	1.068	219.00	0.995	0.00	238.00	1.082	218.00	0.991	0.00	236.00	1.073	217.00	0.986	0.00	232.14	1.055	217.88	0.990	0.00
Feb '25	238.00	1.082	218.00	0.991	0.00	235.00	1.068	217.67	0.989	0.00	235.91	1.072	217.00	0.986	0.00	238.00	1.082	216.00	0.982	0.00
Mar'25	236.74	1.076	217.00	0.986	0.00	237.00	1.077	215.00	0.977	0.00	235.35	1.070	210.06	0.955	0.00	231.05	1.050	219.00	0.995	0.00

Month	SAMAGURI - 220KV					SARUSAJAI - 220KV					SONABIL - 220KV					SONAPUR - 220KV				
	Maximum (kV)	Maximum (PU)	Minimum (kV)	Minimum (PU)	VDI	Maximum (kV)	Maximum (PU)	Minimum (kV)	Minimum (PU)	VDI	Maximu m (kV)	Maximum (PU)	Minimum (kV)	Minimum (PU)	VDI	Maximum (kV)	Maximum (PU)	Minimum (kV)	Minimum (PU)	VDI
Jan '25	231.00	1.050	217.00	0.986	0.00	233.00	1.059	217.28	0.988	0.00	229.87	1.045	218.00	0.991	0.00	239.00	1.086	217.00	0.986	0.00
Feb '25	234.00	1.064	216.00	0.982	0.00	233.94	1.063	217.00	0.986	0.00	231.00	1.050	216.00	0.982	0.00	236.04	1.073	216.00	0.982	0.00
Mar'25	236.02	1.073	214.51	0.975	0.00	235.99	1.073	214.48	0.975	0.00	236.00	1.073	217.00	0.986	0.00	236.25	1.074	213.75	0.972	0.00

Month	TINSUKIA - 220KV																			
	Maximum (kV)	Maximum (PU)	Minimum (kV)	Minimum (PU)	VDI															
Jan '25	237.00	1.077	218.00	0.991	0.00															
Feb '25	237.00	1.077	216.07	0.982	0.00															
Mar'25	237.16	1.078	219.00	0.995	0.00															

Month	AIZWAL - 132KV					IMPHAL(PG) - 132KV					KAHILIPARA - 132KV					NIRJULI - 132KV				
	Maximum (kV)	Maximum (PU)	Minimum (kV)	Minimum (PU)	VDI	Maximum (kV)	Maximum (PU)	Minimum (kV)	Minimum (PU)	VDI	Maximu m (kV)	Maximum (PU)	Minimum (kV)	Minimum (PU)	VDI	Maximum (kV)	Maximum (PU)	Minimum (kV)	Minimum (PU)	VDI
Jan '25	139.00	1.053	126.00	0.955	0.00	136.17	1.032	125.00	0.947	0.00	138.00	1.045	125.00	0.947	0.00	136.00	1.030	127.00	0.962	0.00
Feb '25	139.00	1.053	126.21	0.956	0.00	138.00	1.045	127.00	0.962	0.00	136.00	1.030	126.00	0.955	0.00	136.00	1.030	127.00	0.962	0.00
Mar'25	138.00	1.045	126.00	0.955	0.00	138.00	1.045	125.00	0.947	0.00	137.00	1.038	126.00	0.955	0.00	137.00	1.038	127.00	0.962	0.00

1.2 आवृत्ति प्रोफाइल % में (विभिन्न सीमाओं में अवधि) / Frequency Profile (in %) (Duration in

Month	< 49.9	49.9- 50.05	> 50.05	% of time Frequency outside IEGC band
Jan '25	5.65	75.89	18.45	24.11
Feb '25	6.49	75.17	18.34	24.83
Mar'25	6.31	77.04	16.65	23.60

2. बिजली आपूर्ति की स्थिति / Power Supply Position

2.1. Peak Demand Met and Unrestricted Demand

Month	State / UT	Peak Requirement (MW)	Peak Demand Met (MW)	Shortage(MW)	Shortage(%)
Jan '25	Arunachal Pradesh	196	196	0	0.00
	Assam	1,581	1,561	20	0.01
	Manipur	267	267	0	0.00
	Meghalaya	393	393	0	0.00
	Mizoram	168	168	0	0.00
	Nagaland	172	159	13	0.08
	Tripura (excluding Bangladesh)	234	234	0	0.00
	Tripura (including Bangladesh)	295	295	0	0.00
	NER (excluding Bangladesh)	2,941	2,941	0	0.00
	NER (including Bangladesh)	3,008	3,008	0	0.00

Feb '25	Arunachal Pradesh	218	191	27	0.12
	Assam	1,647	1,627	20	0.01
	Manipur	248	248	0	0.00
	Meghalaya	352	352	0	0.00
	Mizoram	160	160	0	0.00
	Nagaland	173	173	0	0.00
	Tripura (excluding Bangladesh)	252	252	0	0.00
	Tripura (including Bangladesh)	334	334	0	0.00
	NER (excluding Bangladesh)	2,890	2,890	0	0.00
	NER (including Bangladesh)	2,958	2,958	0	0.00

Mar'25	Arunachal Pradesh	180	180	0	0.00
	Assam	1,917	1,897	20	0.01
	Manipur	213	213	0	0.00
	Meghalaya	354	354	0	0.00
	Mizoram	151	151	0	0.00
	Nagaland	164	164	0	0.00
	Tripura (excluding Bangladesh)	322	322	0	0.00
	Tripura (including Bangladesh)	376	376	0	0.00
	NER (excluding Bangladesh)	3,273	3,273	0	0.00
	NER (including Bangladesh)	3,312	3,312	0	0.00

2.2 . Energy Availability and Requirement

Month	State / UT	Requirement(MU)	Energy Met (MU)	Shortage(MU)	Shortage(%)
Jan '25	ARUNACHAL PRADESH	95	95	0.00	0.000%
	ASSAM	853	853	0.00	0.000%
	MANIPUR	114	114	0.00	0.000%
	MEGHALAYA	204	204	0.00	0.000%
	MIZORAM	70	70	0.00	0.000%
	NAGALAND	75	75	0.00	0.000%
	TRIPURA(EXCLUDING BANGLADESH)	128	128	0.00	0.000%
	TRIPURA(INCLUDING BANGLADESH)	167	167	0.00	0.000%
	REGION(INCLUDING BANGLADESH)	1,539	1,539	0.00	0.000%
	REGION(EXCLUDING BANGLADESH)	1,577	1,577	0.00	0.000%
Feb '25	ARUNACHAL PRADESH	94	94	0.00	0.000%
	ASSAM	795	795	0.01	0.001%
	MANIPUR	93	89	4.32	4.635%
	MEGHALAYA	155	155	0.00	0.000%
	MIZORAM	60	60	0.00	0.000%
	NAGALAND	70	70	0.00	0.000%
	TRIPURA(EXCLUDING BANGLADESH)	124	124	0.00	0.000%
	TRIPURA(INCLUDING BANGLADESH)	162	162	0.00	0.000%
	REGION(INCLUDING BANGLADESH)	1,392	1,388	4.33	0.311%
	REGION(EXCLUDING BANGLADESH)	1,430	1,426	4.33	0.303%
Mar'25	ARUNACHAL PRADESH	94	94	0.00	0.000%
	ASSAM	946	946	0.04	0.004%
	MANIPUR	90	85	5.54	6.126%
	MEGHALAYA	172	172	0.00	0.000%
	MIZORAM	63	63	0.00	0.000%
	NAGALAND	73	73	0.00	0.000%
	TRIPURA(EXCLUDING BANGLADESH)	159	159	0.00	0.000%
	TRIPURA(INCLUDING BANGLADESH)	201	201	0.00	0.000%
	REGION(INCLUDING BANGLADESH)	1,598	1,592	5.58	0.349%
	REGION(EXCLUDING BANGLADESH)	1,640	1,634	5.58	0.340%

3. SCHEDULE Vs ACTUAL DRAWAL BY STATES

Month	State / UT	Schedule(MU)	Drawal (MU)	OD (+) / UD (-)
Jan '25	ARUNACHAL PRADESH	94.67	90.88	-3.79
	ASSAM	637.32	654.48	17.16
	MANIPUR	119.86	114.28	-5.58
	MEGHALAYA	166.97	162.37	-4.60
	MIZORAM	57.51	53.05	-4.46
	NAGALAND	73.97	72.29	-1.68
	TRIPURA	101.03	102.67	1.64
	Region	1,251.33	1,250.02	-1.31
Feb '25	ARUNACHAL PRADESH	94.45	91.34	-3.11
	ASSAM	618.98	629.72	10.74
	MANIPUR	88.40	88.95	0.55
	MEGHALAYA	128.15	123.34	-4.81
	MIZORAM	52.52	47.69	-4.83
	NAGALAND	69.53	68.11	-1.42
	TRIPURA	103.52	101.34	-2.18
	Region	1,155.55	1,150.49	-5.06
Mar'25	ARUNACHAL PRADESH	96.75	91.26	-5.49
	ASSAM	748.00	761.80	13.80
	MANIPUR	82.07	84.89	2.82
	MEGHALAYA	141.12	138.16	-2.96
	MIZORAM	56.33	52.65	-3.68
	NAGALAND	72.46	71.39	-1.08
	TRIPURA	133.02	139.14	6.12
	Region	1,329.75	1,339.29	9.54

4. जलाशय स्तर व ऊर्जा सामग्री विवरण / Water Level & Energy Content details

Reservoir	As on 31-Mar '24		As on 31-Mar '25	
	Water Level	MU Content	Water Level	MU Content
Doyang	308.35	3.00	307.90	3.00
Gumti	89.55	14.00	0.00	-
Kameng	766.12	-	767.65	-
Khandong	713.00	59.00	713.10	60.00
Kopili	606.90	79.00	605.30	67.00
Loktak	766.91	24.00	766.80	20.00
Pare	242.87	-	243.27	-
Ranganadi	565.88	-	566.32	-
Umium	974.73	28.00	976.59	33.00

5. INTER-REGIONAL EXCHANGE (PHYSICAL) IN MU

Month	220KV-SALAKATI-ALIPURDUAR-DC		400KV-BONGAIGAON-ALIPURDUAR-DC		400KV-BONGAIGAON-NEW SILIGURI-DC		HVDC800KV-BISWANATH CHARIALI-AGRA	
	Import	Export	Import	Export	Import	Export	Import	Export
Jan '25	0.00	37.74	1.60	159.70	3.09	83.02	464.98	0.00
Feb '25	0.00	42.09	0.00	145.31	1.35	72.25	433.46	0.00
Mar '25	0.00	38.36	0.00	129.08	0.00	66.23	587.65	0.00

Month	ER		NR	
	Import	Export	Import	Export
Jan '25	4.69	280.46	464.98	0.00
Feb '25	1.35	259.65	433.46	0.00
Mar '25	0.00	195.31	587.65	0.00

Inter-Country Exchanges during the quarter

Month	11 KV-MOREH-TAMU-1		132KV-RANGIA-DEOTHANG		132KV-SALAKATI-GELEPHU		132KV-SURAJMANI NAGAR-COMILLA(BANGLADESH)-D/C	
	Import	Export	Import	Export	Import	Export	Import	Export
Jan '25	0.00	0.67	0.84	1.82	0.00	12.48	0.00	38.48
Feb '25	0.00	0.54	1.10	2.38	0.00	5.21	0.00	37.97
Mar '25	0.00	0.65	4.41	0.27	0.60	7.02	0.00	41.81

Month	BANGLADESH		BHUTAN		MYANMAR	
	Import	Export	Import	Export	Import	Export
Jan '25	0.00	38.48	0.84	14.30	0.00	0.67
Feb '25	0.00	37.97	1.10	7.59	0.00	0.54
Mar '25	0.00	41.81	5.01	7.29	0.00	0.65

6. एनईआर प्रणाली में ग्रीड घटनाएं Grid Incidents in NER system

A. Grid Disturbance

Sl No.	Category of Grid Event	Affected Area	Time and Date of occurrence of Grid Event	Time and Date of Restoration	Duration	Loss of generation / loss of load during the Grid Event		% Loss of generation / loss of load w.r.t Antecedent Generation/Load in the Regional Grid during the Grid Event	
	GD-1 to GD-5 and Nearmiss					Generation Loss(MW)	Load Loss (MW)	% Generation Loss(MW)	% Load Loss (MW)
1	GD I	Napit and Niglok areas of Arunachal Pradesh Power System	07-01-2025 22:25	08-01-2025 13:12	14:47:00	0	5	0.00%	0.24%
2	GD I	Daporijo area of Arunachal Pradesh Power System	13-01-2025 15:45	13-01-2025 17:27	01:42:00	0	3	0.00%	0.14%
3	GD I	Leshka HEP of Meghalaya Power System	20-01-2025 09:16	20-01-2025 09:36	00:20:00	62	0	2.71%	0.00%
4	GD I	Along area of Arunachal Pradesh Power System	23-01-2025 18:36	23-01-2025 19:27	00:51:00	0	5	0.00%	0.18%
5	GD I	Along, Pasighat, Napit & Niglok areas of Arunachal Pradesh Power System	05-02-2025 11:15	05-02-2025 12:17	01:02:00	0	21	0.00%	1.02%
6	GD I	Khuppi and Seppa areas of Arunachal Pradesh Power System	13-02-2025 15:25	13-02-2025 18:22	02:57:00	0	1.2	0.00%	0.06%

7	GD I	Rengpang area of Manipur Power System	14-02-2025 05:51	14-02-2025 10:19	04:28:00	0	1	0.00%	0.06%
8	GD I	Along area of Arunachal Pradesh Power System	15-02-2025 00:38	15-02-2025 03:44	03:06:00	0	4	0.00%	0.25%
9	GD I	Doyang S/S of NEEPCO	16-02-2025 19:59	16-02-2025 20:32	00:33:00	20	0	0.86%	0.00%
10	GD I	Panchgram area of Assam Power System	20-02-2025 12:30	20-02-2025 12:48	00:18:00	0	18	0.00%	0.89%
11	GD I	Panchgram area of Assam Power System	22-02-2025 14:26	22-02-2025 15:05	00:39:00	0	20	0.00%	1.00%
12	GD I	Tezu and Namsai areas of Arunachal Pradesh Power System	10-03-2025 09:58	10-03-2025 10:49	00:51:00	0	3	0.00%	0.15%
13	GD I	Tipaimukh area of Manipur Power System	13-03-2025 09:36	13-03-2025 10:40	01:04:00	0	1	0.00%	0.05%
14	GD I	Tipaimukh area of Manipur Power System	15-03-2025 12:35	15-03-2025 14:03	01:28:00	0	1	0.00%	0.05%

15	GD I	Tezu and Namsai areas of Arunachal Pradesh Power System	18-03-2025 15:56	18-03-2025 21:14	05:18:00	0	8	0.00%	0.39%
16	GD I	Tuirial HEP of NEEPCO & Kolasib and Bairabi areas of Mizoram Power system	20-03-2025 14:24	20-03-2025 15:26	01:02:00	0	6	0.00%	0.30%
17	GD I	132 kV Kameng S/S of NEEPCO & Khupi and Seppa areas of Arunachal Pradesh Power system	23-03-2025 18:18	23-03-2025 19:41	01:23:00	0	3	0.00%	0.11%
18	GD I	Mawlyndep area of Meghalaya Power System	23-03-2025 12:09	23-03-2025 12:32	00:23:00	0	12	0.00%	0.62%
19	GD I	Loktak HEP of NHPC and radially connected Rengpang area of Manipur Power System	24-03-2025 11:38	24-03-2025 13:05	01:27:00	0	1	0.00%	0.05%
20	GD I	Gohpur area of Assam power system	26-03-2025 17:38	26-03-2025 18:52	01:14:00	0	0	0.00%	0.00%
21	GD I	Rengpang area of Manipur power system	29-03-2025 10:52	29-03-2025 11:13	00:21:00	0	1	0.00%	0.04%
22	GD I	Thoubal(Old) area of Manipur power system	29-03-2025 14:27	29-03-2025 17:45	03:18:00	0	11	0.00%	0.44%
23	GD I	Thoubal(Old) area of Manipur power system	29-03-2025 21:56	30-03-2025 00:31	02:35:00	0	8	0.00%	0.29%

B. Grid Incidence

Sl No.	Category of Grid Event	Affected Area	Time and Date of occurrence of Grid Event	Time and Date of Restoration	Duration	Loss of generation / loss of load during the Grid Event		% Loss of generation / loss of load w.r.t Antecedent Generation/Load in the Regional Grid during the Grid Event	
	GI 1 or 2					Generation Loss(MW)	Load Loss (MW)	% Generation Loss(MW)	% Load Loss (MW)
NIL									

7. High Voltage

The following lines were opened to maintain voltage profile of 400 kV Bus(s) at Misa, Balipara, Bongaigaon, Biswanath Chariali & Ranganadi within IEGC band:-

Nil

8. Lines opened to control overloading :

1	132 kV Kamalpur – Ambassa line
2	132 kV Umtru – Kahilipara D/C and 132 kV Umtru Sarusajai D/C
3	400/132 kV, 2x315 MVA ICT I or II at Surajmaninagar (Sterlite)
4	400/132 kV, 2x315 MVA ICT I or II at PK Bari(Sterlite)
5	132 kV Rangia-Sipajhar or 132 kV Rangia-Tangla line
6	132 kV Nalbari-Barpeta and Bus Split at Barnagar
7	220 kV Agia-Boko & 220 kV Agia-Azara

9. Lines under long outage :

1	400KV-IMPHAL(PG)-THOUBAL-1 (Out since 18-OCT-2021)
2	132 kV Jiribam-Rengpang (Out since 17-Nov-2023)
3	132 kV Kohima-Meluri (Out since 27-Sep-2023)
4	132kV Ningthoukhong-Churachandpur ckt 1 (Out since 04-Aug-2024)

10. Transformers/ICTs/Reactor under long outage :

1	220KV/132 kV New Shillong-ICT-1 (Out since 02-JUN-2024)
2	MARIANI (AS) - 220KV B/R 1 (Out since 21-SEP-2024)

11. Generation Constraints**Major Generation outage:**

Sl. No	Name of Power Station	Unit No	Rating in MW	Owner	Outage		Restoration		Reason/Remarks
					Date	Time	Date	Time	
1	Loktak - UNIT 1	1	35.0	NHPC	04/Jan/2025	09:49	04/Jan/2025	10:47	Due to excitation trouble (control supply to excitation fail)
2	AGTCCPP - GTG 3	3	21.0	NEEPCO	06/Jan/2025	11:51	06/Jan/2025	13:28	Tripped for raising of Lube Oil Temperature
3	AGBPP - STG 1	1	30.0	NEEPCO	07/Jan/2025	06:34	07/Jan/2025	19:21	Turbine trip channel - II operated, Relay - 86A11 & 86A12
4	AGTCCPP - GTG 3	3	21.0	NEEPCO	07/Jan/2025	14:36	07/Jan/2025	15:48	Auxiliary power supply failure
5	Kopili - UNIT 2	2	50.0	NEEPCO	07/Jan/2025	17:06	07/Jan/2025	17:28	Governor primary signal failure
6	Kopili - UNIT 2	2	50.0	NEEPCO	14/Jan/2025	16:20	14/Jan/2025	16:42	Due to Governor primary signal failure
7	BGTPP - UNIT 3	3	250.0	NTPC	17/Jan/2025	21:50	18/Jan/2025	03:36	Tripped due to flame failure
8	AGBPP - GTG 1	1	33.50	NEEPCO	19/Jan/2025	22:55	20/Jan/2025	00:44	Compressor failure
9	AGBPP - GTG 4	4	33.50	NEEPCO	19/Jan/2025	22:55	20/Jan/2025	00:47	Compressor failure
10	BGTPP - UNIT 3	3	250.0	NTPC	23/Jan/2025	03:59	23/Jan/2025	08:14	Due to Loss of Fuel
11	AGTCCPP - GTG 3	3	21.0	NEEPCO	23/Jan/2025	04:51	23/Jan/2025	13:58	Due to high turbine air inlet differential pressure
12	AGBPP - GTG 5	5	33.50	NEEPCO	26/Jan/2025	02:55	27/Jan/2025	22:36	Inlet air filter trouble
13	Palatana - STG 2	2	130.91	OTPCL	30/Jan/2025	01:05	30/Jan/2025	10:23	GT Mechanical protection fail
14	Palatana - GTG 2	2	232.39	OTPCL	30/Jan/2025	19:50	30/Jan/2025	20:35	Due to exhaust frame blower trip protection
15	Palatana - GTG 2	2	232.39	OTPCL	30/Jan/2025	01:05	30/Jan/2025	09:22	GT Mechanical protection fail
16	Palatana - STG 2	2	130.91	OTPCL	30/Jan/2025	13:32	30/Jan/2025	20:58	Mal functioning of governor system
17	Koplii - UNIT 3	3	50.0	NEEPCO	30/Jan/2025	21:02	31/Jan/2025	15:26	Tripped due to Upstream pressure low
18	Palatana - GTG 2	2	232.39	OTPCL	30/Jan/2025	13:32	30/Jan/2025	19:37	Mal functioning of governor system
19	Palatana - GTG 2	2	232.39	OTPCL	01/Feb/2025	00:08	01/Feb/2025	00:39	GBC tripped
20	Palatana - STG 2	2	130.91	OTPCL	01/Feb/2025	00:08	01/Feb/2025	01:06	Due to tripping of GTG 2
21	AGBPP - GTG 5	5	33.50	NEEPCO	06/Feb/2025	06:16	07/Feb/2025	16:22	High exhaust temperature spread trip
22	AGTCCPP - STG 2	2	25.50	NEEPCO	09/Feb/2025	17:57	09/Feb/2025	18:52	Desynced due to dumping issue
23	AGTCCPP - STG 2	2	25.50	NEEPCO	09/Feb/2025	12:38	09/Feb/2025	14:40	Alarm main steam pressure HI

24	Doyang - UNIT 3	3	25.0	NEEPCO	16/Feb/2025	19:59	17/Feb/2025	16:34	Tripped on Heavy voltage jerk
25	Kopili - UNIT 1	1	50.0	NEEPCO	21/Feb/2025	14:29	21/Feb/2025	14:51	Tripped due to a cooling water problem
26	Koplii - UNIT 3	3	50.0	NEEPCO	21/Feb/2025	16:46	21/Feb/2025	17:09	OPU Oil Pressure low
27	Koplii - UNIT 3	3	50.0	NEEPCO	21/Feb/2025	15:32	21/Feb/2025	15:58	OPU Oil Pressure low
28	AGBPP - STG 1	1	30.0	NEEPCO	22/Feb/2025	10:45	22/Feb/2025	16:33	Due to sudden failure of the Main UPS system of AGBPS
29	Doyang - UNIT 2	2	25.0	NEEPCO	23/Feb/2025	19:35	23/Feb/2025	19:45	Due to Station Supply Tripped resulted loss of excitation; Relay 86I & 86Z Operated
30	AGBPP - STG 3	3	30.0	NEEPCO	25/Feb/2025	09:59	25/Feb/2025	11:59	Exhaust steam pressure very high
31	AGBPP - GTG 3	3	33.50	NEEPCO	26/Feb/2025	15:11	26/Feb/2025	15:56	Tripping of Gas Compressor
32	KAMENG HEP - UNIT 1	1	150.0	NEEPCO	26/Feb/2025	15:52	26/Feb/2025	16:19	Low forward power
33	Kameng HEP - UNIT 1	1	150.0	NEEPCO	02/Mar/2025	00:53	02/Mar/2025	01:23	Due to huge voltage jerk
34	AGTCCPP - GTG 3	3	21.0	NEEPCO	04/Mar/2025	08:45	31/Mar/2025	10:12	Due to lube oil header temperature high
35	AGTCCPP - STG 2	2	25.50	NEEPCO	04/Mar/2025	08:45	-	-	Due to tripping of GTG 3
36	Doyang - UNIT 3	3	25.0	NEEPCO	08/Mar/2025	17:05	08/Mar/2025	18:13	Governor problem
37	Kopili - UNIT 1	1	50.0	NEEPCO	09/Mar/2025	12:26	09/Mar/2025	13:21	Over voltage due to Overflux
38	AGBPP - GTG 3	3	33.50	NEEPCO	09/Mar/2025	13:06	09/Mar/2025	13:55	Due to tripping of Gas Compressor-2
39	Ranganadi - UNIT 2	2	135.0	NEEPCO	11/Mar/2025	18:28	11/Mar/2025	19:55	Oil leakage from the PRV of GT B-Phase
40	Loktak - UNIT 3	3	35.0	NHPC	15/Mar/2025	19:26	15/Mar/2025	19:50	Mal functioning of governor system
41	Loktak - UNIT 3	3	35.0	NHPC	15/Mar/2025	20:10	15/Mar/2025	20:56	Mal functioning of governor system
42	Kameng HEP - UNIT 4	4	150.0	NEEPCO	16/Mar/2025	17:20	16/Mar/2025	21:02	due to thyristor fan supply failure
43	AGBPP - STG 1	1	30.0	NEEPCO	17/Mar/2025	14:08	17/Mar/2025	14:29	Low forward power tripped
44	Loktak - UNIT 3	3	35.0	NHPC	25/Mar/2025	16:15	-	-	Due to Thrust Bearing Pad Temp High
45	Koplii - UNIT 4	4	50.0	NEEPCO	28/Mar/2025	12:13	28/Mar/2025	16:50	REF operated
46	Koplii - UNIT 4	4	50.0	NEEPCO	30/Mar/2025	13:10	30/Mar/2025	13:44	Restricted E/F
47	Palatana - GTG 1	1	232.39	OTPCL	31/Mar/2025	07:10	31/Mar/2025	17:52	Lube Oil header pressure low
48	Palatana - STG 1	1	130.91	OTPCL	31/Mar/2025	07:10	31/Mar/2025	18:32	Due to tripping of GTG 1