



Monthly Power Supply Position Report of North Eastern Region for JAN'2025

Grid Controller of India Limited

(A Government of India Enterprise)

North Eastern Regional Load Despatch Centre

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Regional Energy Generation

Name of Constituents	Hydro		Coal / Oil / Solar		Gas Based (Open cycle)		Gas Based (Com.cycle)		Total	
	Gross	Net	Gross	Net	Gross	Net	Gross	Net	Gross	Net
A: State Sector										
ARUNACHAL PRADESH	3.8153	3.777147	0	0	0	0	0	0	3.8153	3.777147
ASSAM	18.009	17.828	26.73	26.492	41.883	40.836	111.417	104.054	198.039	189.21
MEGHALAYA	41.907	41.391	0	0	0	0	0	0	41.907	41.391
MIZORAM	12.828	12.678	4.091	4.05	0	0	0	0	16.919	16.728
NAGALAND	2.252	2.229	0	0	0	0	0	0	2.252	2.229
TRIPURA	0	0	0.48	0.475	13.826	13.688	49.813	48.07	64.119	62.233
Total (State Sector)									327.0513	315.56815
B: Central Sector										
NEEPCO										
AGBPP	0	0	0	0	0	0	147.84	143.08	147.84	143.08
AGTCCPP	0	0	0	0	0	0	40.989	39.719	40.989	39.719
DOYANG	5.266	5.203	0	0	0	0	0	0	5.266	5.203
KAMENG HEP	127.46	125.93	0	0	0	0	0	0	127.46	125.93
KHANDONG	0	0	0	0	0	0	0	0	0	0
KOPILI	33.11	32.712	0	0	0	0	0	0	33.11	32.712
KOPILI-2	12.059	11.915	0	0	0	0	0	0	12.059	11.915
PARE	6.718	6.637	0	0	0	0	0	0	6.718	6.637
RANGANADI	8.177	8.095	0	0	0	0	0	0	8.177	8.095
NHPC										
LOKTAK	68.045	66.888	0	0	0	0	0	0	68.045	66.888
NTPC										
BGTPP	0	0	399.665	363.695	0	0	0	0	399.665	363.695
OTPCL										
PALATANA	0	0	0	0	0	0	325.97	312.215	325.97	312.215
Total (Central Sector)									1175.299	1116.089
Total NER	339.6463	335.283147	430.966	394.712	55.709	54.524	676.029	647.138	1502.3503	1431.65715

Inter Regional Exchange in MU :

	Import	Export
NER to ER	4.69	280.46
NER to NR	464.98	0
	Net_Import(MU)	
Net export by NER		280.46
Net import by NER		469.67

Estimation of Energy Requirement (MU)

Average Frequency (Hz)	50.001						
Name of Constituents	Generation	Energy drawal from grid		Energy Consumption	Frequency Correction #	Load Shedding	Actual Requirement
		Schedule	Drawal				
ARUNACHAL PRADESH	3.815	94.670	90.880	94.695	-0.003	0.000	94.695
ASSAM	198.039	637.320	654.480	852.519	-0.026	0.000	852.519
MANIPUR	0.000	119.860	114.280	114.280	-0.003	0.000	114.280
MEGHALAYA	41.907	166.970	162.370	204.277	-0.006	0.000	204.277
MIZORAM	16.919	57.510	53.050	69.969	-0.002	0.000	69.969
NAGALAND	2.252	73.970	72.290	74.542	-0.002	0.000	74.542
TRIPURA (including BANGLADESH)	64.119	101.030	102.670	166.789	-0.005	0.000	166.789
Total (including Bangladesh)	327.051	1251.330	1250.020	1577.071	-0.047	0.000	1577.071

Freq. Correction = Consumption * 0.03 * (50 - Frequency)

Monthly Power Supply Position of North Eastern Region for JAN'2025

Estimation of Peak Demand (MW)

Constituents	Maximum Demand Met (in MW)	Date & Time of Max Demand Met	Frequency at Max Demand Met Time (in Hz)	Frequency Correction #	Load Shedding at Max Demand Met Time (in MW)	Estimated Peak Demand (in MW) at 50 Hz
ARUNACHAL PRADESH	195.53	At 19:15 Hrs on 05.01.25	50.018	-0.106	0	195.53
ASSAM	1561.01	At 18:00 Hrs on 30.01.25	50.094	-4.402	20	1576.8
MANIPUR	267	At 17:45 Hrs on 17.01.25	49.967	0.264	0	267.24
MEGHALAYA	392.542	At 18:00 Hrs on 27.01.25	50.075	-0.883	0	391.602
MIZORAM	167.87	At 17:45 Hrs on 29.01.25	50.071	-0.358	0	167.87
NAGALAND	174	At 17:15 Hrs on 29.01.25	50.075	-0.392	13	171.32
TRIPURA (EXCLUDING BANGLADESH)	233.59	At 17:29 Hrs on 08.01.25	50.041	-0.287	0	233.31
TRIPURA (INCLUDING BANGLADESH)	295.01	At 17:38 Hrs on 06.01.25	49.991	0.080	0	295.1
NER (EXCLUDING BANGLADESH)	2941	At 17:30 Hrs on 29.01.25	50.052	-4.588	0	2995.5
NER (INCLUDING BANGLADESH)	3008	At 17:30 Hrs on 29.01.25	50.052	-4.692	0	3054.41

Freq. Correction = Demand Met * 0.03 * (50 - Frequency)

Requirement Vs Availability in the Region

Constituents	Energy requirement (in MU)				Peak Requirement (in MW)		
	Availability & Load Shedding at prevailing frequency						
	Requirement	Availability	Shortfall	Shortfall (%)	Demand	Demand Met	Shortfall
Arunachal Pradesh	94.695	94.695	0	0	195.53	195.53	0
Assam	852.519	852.519	0	0	1581.01	1561.01	20
Manipur	114.280	114.280	0	0	267	267	0
Meghalaya	204.277	204.277	0	0	392.542	392.54	0
Mizoram	69.969	69.969	0	0	167.87	167.87	0
Nagaland	74.542	74.542	0	0	171.7	158.7	13
Tripura (excluding Bangladesh)	128.309	128.309	0	0	233.59	233.59	0
Tripura (including Bangladesh)	166.789	166.789	0	0	295.01	295.01	0
NER (excluding Bangladesh)	1538.591	1538.591	0	0	2941	2941	0
NER (including Bangladesh)	1577.071	1577.071	0	0	3008	3008	0

Monthly Non Conventional and Conventional Generation of North Eastern Region

NON CONVENTIONAL

SL NO.	GENERATING STATION	INSTALLED CAPACITY (MW)		TYPE	GROSS GENERATION IN MU	NET GENERATION IN MU
ARUNACHAL PRADESH						
1	DIKSHI HEP	3*8	24	Hydro	3.8153	3.777147
ASSAM						
1	Champavati / HHCPL	2*2.025	4.05	Hydro	0.483	0.478
2	Myntreng	3*3+3*1.5	13.5	Hydro	2.722	2.694
3	Azure Solar_Boko	1*25	25	Solar	3.071	3.041
4	Azure Solar_Nagaon	1*15	15	Solar	2.142	2.121
5	Azure Solar_Pailapool	1*25	25	Solar	4.359	4.316
6	Azure Solar_Rowta	1*25	25	Solar	3.749	3.712
7	CALCOM Solar	1*20	20	Solar	2.366	2.366
8	Maheshwari Mining Solar	1*10	10	Solar	0.799	0.791
9	Patanjali Ayurved Solar	1*4	4	Solar	0.309	0.309
10	Suryatap	1*5	5	Solar	0.51	0.505
11	Solar park Amguri	1*70	70	Solar	9.425	9.331
MEGHALAYA						
1	Lakroh	1*1.5	1.5	Hydro	0.099	0.097
2	Sonapani	1*1.5	1.5	Hydro	0.406	0.402
3	Umiam Stage II	2*10	20	Hydro	3.21	3.178
4	Umtru	4*2.8	11.2	Hydro	0	0
MIZORAM						
1	Sertui B	4*3	12	Hydro	2.462	2.437
2	Vankal Solar	1*20	20	Solar	4.091	4.05
NAGALAND						
1	LIKIMRO HEP	3*8	24	Hydro	2.252	2.229
TRIPURA						
1	Gumti	3*5	15	Hydro	0	0
NEEPCO						
1	Monarchak Solar	1*5	5	Solar	0.48	0.475
TOTAL					46.7503	46.309147

CONVENTIONAL

SL NO.	GENERATING STATION	INSTALLED CAPACITY (MW)		TYPE	GROSS GENERATION IN MU	NET GENERATION IN MU
ASSAM						
1	Karbi Langpi	2*50	100	Hydro	14.804	14.656
2	LRPP	7*9.965	69.8	Open Cycle Gas	41.883	40.836
3	LTPS	3*20+1*20.4	80.4	Combined Cycle Gas	38.74	35.447
4	NRPP	1*62.5+1*36.15	98.65	Combined Cycle Gas	57.815	54.636
5	NTPS	1*17+1*15+1*9	41	Combined Cycle Gas	14.862	13.971

MEGHALAYA						
1	GANOL HEP		0	Hydro	1.517	1.502
2	Myntdu Leshka	3*42	126	Hydro	5.528	5.456
3	New Umtru	2*20	40	Hydro	8.484	8.399
4	Umiam Stage I	4*9	36	Hydro	6.233	6.092
5	Umiam Stage III	2*30	60	Hydro	7.841	7.762
6	Umiam Stage IV	2*30	60	Hydro	8.589	8.503
7	Adhunik	1*25	25	Coal	0	0
8	MPL	1*8+1*43	51	Coal	0	0
9	Maithan Alloys Ltd	1*15	15	Coal	0	0
10	Shyam Century	1*13.8	13.8	Coal	0	0
MIZORAM						
1	Bairabi	4*5.73+1*17.35	40.27	Oil	0	0
TRIPURA						
1	Baramura	1*6.5+2*5+2*21	58.5	Open Cycle Gas	0	0
2	Rokhia	6*8+3*21	111	Open Cycle Gas	13.826	13.688
NEEPCO						
1	DOYANG	3*25	75	Hydro	5.266	5.203
2	KAMENG	4*150	600	Hydro	127.46	125.93
3	KHANDONG	2*25	50	Hydro	0	0
4	KOPILI	4*50	200	Hydro	33.11	32.712
5	KOPILI STG II	1*25	25	Hydro	12.059	11.915
6	PARE	2*55	110	Hydro	6.718	6.637
7	RANGANADI	3*135	405	Hydro	8.177	8.095
8	TURIAL	2*30	60	Hydro	10.366	10.241
9	AGBPP	6*33.5+3*30	291	Gas	147.84	143.08
10	AGTCCPP	4*21+2*25.5	135	Gas	40.989	39.719
11	MONARCHAK GAS	1*65.42+1*35.58	101	Gas	49.813	48.07
NHPC						
1	LOKTAK	3*35	105	Hydro	68.045	66.888
OTPCCL						
1	PALATANA	2*232.2+2*131.1	726.6	Gas	325.97	312.215
NTPC						
1	BGTPP	3*250	750	Coal	399.665	363.695
TOTAL					1455.6	1385.348

Inter-Country Power Exchange

BHUTAN

IMPORT

1	132KV-RANGIA-DEOTHANG	0.84
2	132KV-SALAKATI-GELEPHU	0
Total		0.84

EXPORT

3	132KV-RANGIA-DEOTHANG	1.82
4	132KV-SALAKATI-GELEPHU	12.48
Total		14.3
Net exchange with bhutan ('-' import / '+' export)		13.46

BANGLADESH

1	Total Drawal by Bangladesh from Surjamaninagar (India) in MU	38.480
2	Maximum Drawal by Bangladesh from Surjamaninagar (India) in MW	78.660

MYANMAR

1	Total Drawal by Myanmar from Manipur (India) in MU	0.673
2	Maximum Drawal by Myanmar from Manipur (India) in MW	1.785