



Monthly Power Supply Position Report of North Eastern Region for MAR'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	3.245	3.213	0	0	0	0	0	0	3.245	3.213
ASSAM	10.434	10.329	29.95	29.677	42.34	41.282	109.77	102.533	192.494	183.821
MEGHALAYA	34.658	34.226	0	0	0	0	0	0	34.658	34.226
MIZORAM	6.4052	6.332	3.742	3.705	0	0	0	0	10.147	10.037
NAGALAND	1.695	1.678	0	0	0	0	0	0	1.695	1.678
TRIPURA	0	0	0.605	0.599	13.296	13.163	49.813	48.07	63.714	61.832
Total (State Sector)									305.9532	294.80741
B: Central Sector										
NEEPCO										
AGBPP	0	0	0	0	0	0	132.436	128.171	132.436	128.171
AGTCCPP	0	0	0	0	0	0	37.64	36.473	37.64	36.473
DOYANG	2.476	2.446	0	0	0	0	0	0	2.476	2.446
KAMENG HEP	130.223	128.66	0	0	0	0	0	0	130.223	128.66
KHANDONG	0	0	0	0	0	0	0	0	0	0
KOPILI	45.111	44.569	0	0	0	0	0	0	45.111	44.569
KOPILI-2	5.583	5.516	0	0	0	0	0	0	5.583	5.516
PARE	14.386	14.214	0	0	0	0	0	0	14.386	14.214
RANGANADI	39.393	38.999	0	0	0	0	0	0	39.393	38.999
NHPC										
3) OTPC	0	0	0	0	0	0	0	0	0	0
LOKTAK	18.968	18.645	0	0	0	0	0	0	18.968	18.645
PALATANA	0	0	0	0	0	0	354.472	339.513	354.472	339.513
OTPCL										
BGTPP	0	0	305.664	278.154	0	0	0	0	305.664	278.154
Total (Central Sector)									1086.352	1035.36
Total NER	351.169	346.956	339.961	312.135	55.636	54.445	684.131	654.76	1392.3052	1330.16741

Inter Regional Exchange in MU :

	Import	Export
NER to ER	0	233.67
NER to NR	587.65	0
	Net_Import(MU)	
Net export by NER	233.67	
Net import by NER	587.65	

Estimation of Energy Requirement (MU)

Average Frequency (Hz)	50.002						
Name of Constituents	Generation	Energy drawal from grid		Energy Consumption	Frequency Correction #	Load Shedding	Actual Requirement
		Schedule	Drawal				
ARUNACHAL PRADESH	3.21	96.75	91.26	94.48	-0.01	0.00	94.48
ASSAM	183.82	748.00	761.80	945.62	-0.05	0.04	945.66
MANIPUR	0.00	82.07	84.89	84.89	-0.01	5.54	90.43
MEGHALAYA	34.23	141.12	138.16	172.39	-0.01	0.00	172.39
MIZORAM	10.04	56.33	52.65	62.68	0.00	0.00	62.68
NAGALAND	1.68	72.46	71.39	73.06	0.00	0.00	73.06
TRIPURA (including BANGLADESH)	61.83	133.02	139.14	200.97	-0.01	0.00	200.97
Total (inluding Bangladesh)	294.81	1329.75	1339.29	1634.09	-0.08	5.58	1639.67

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

Monthly Power Supply Position of North Eastern Region for MAR'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	180	At 19:00 Hrs on 04.03.25	49.969	0.162	0	179.95
ASSAM	1897	At 18:00 Hrs on 28.03.25	50.107	-6.259	20	1910.43
MANIPUR	213	At 18:00 Hrs on 26.03.25	50.183	-1.148	0	211.38
MEGHALAYA	354	At 18:47 Hrs on 15.03.25	50.111	-1.131	0	353.76
MIZORAM	151	At 17:45 Hrs on 05.03.25	50.037	-0.181	0	150.48
NAGALAND	164	At 07:00 Hrs on 07.03.25	49.992	0.049	0	164.35
TRIPURA (EXCLUDING BANGLADESH)	322	At 18:35 Hrs on 29.03.25	50.025	-0.286	0	317.17
TRIPURA (INCLUDING BANGLADESH)	376	At 17:55 Hrs on 19.03.25	49.951	0.564	0	376.48
NER (EXCLUDING BANGLADESH)	3273	At 18:23 Hrs on 29.03.25	49.974	2.946	0	3276.11
NER (INCLUDING BANGLADESH)	3312	At 18:23 Hrs on 29.03.25	49.974	2.981	0	3315.2

'# 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	94.48	94.48	0.00	0.00	180	180	0
Assam	945.66	945.62	0.04	0.00	1,917	1,897	20
Manipur	90.43	84.89	5.54	6.13	213	213	0
Meghalaya	172.39	172.39	0.00	0.00	354	354	0
Mizoram	62.68	62.68	0.00	0.00	151	151	0
Nagaland	73.06	73.06	0.00	0.00	164	164	0
Tripura (excluding Bangladesh)	159.17	159.17	0.00	0.00	322	322	0
Tripura (including Bangladesh)	200.97	200.97	0.00	0.00	376	376	0
NER (excluding Bangladesh)	1,597.87	1,592.29	5.58	0.35	3,273	3,273	0
NER (including Bangladesh)	1,639.67	1,634.09	5.58	0.34	3,312	3,312	0

Monthly Non Coventional and Coventional 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	3.245	3.213
ASSAM						
1	Champavati / HHPCPL	2*2.025	4.05	Hydro	0.321	0.317
2	Myntreng	3*3+3*1.5	13.5	Hydro	1.118	1.107
3	Azure Solar_Boko	1*25	25	Solar	4.367	4.323
4	Azure Solar_Nagaon	1*15	15	Solar	2.591	2.565
5	Azure Solar_Pailapool	1*25	25	Solar	4.587	4.541
6	Azure Solar_Rowta	1*25	25	Solar	4.302	4.259
7	CALCOM Solar	1*20	20	Solar	2.396	2.396
8	Maheshwari Mining Solar	1*10	10	Solar	1.066	1.055
9	Patanjali Ayurved Solar	1*4	4	Solar	0.364	0.364
10	Suryatap	1*5	5	Solar	0.528	0.522
11	Solar park Amguri	1*70	70	Solar	9.749	9.652
MEGHALAYA						
1	Lakroh	1*1.5	1.5	Hydro	0.047	0.046
2	Sonapani	1*1.5	1.5	Hydro	0.276	0.273
3	Umiam Stage II	2*10	20	Hydro	3.057	3.026
4	Umtru	4*2.8	11.2	Hydro	0	0
MIZORAM						
1	Serlui B	4*3	12	Hydro	2.037	2.017
2	Vankal Solar	1*20	20	Solar	3.742	3.705
NAGALAND						
1	LIKIMRO HEP	3*8	24	Hydro	1.695	1.678
TRIPURA						
1	Gumti	3*5	15	Hydro	0	0
NEEPCO						
1	Monarchak Solar	1*5	5	Solar	0.605	0.599
TOTAL					46.093	45.658

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	8.995	8.905
2	LRPP	7*9.965	69.8	Open Cycle Gas	42.34	41.282
3	LTPS	3*20+1*20.4	80.4	Combined Cycle Gas	38.279	35.025
4	NRPP	1*62.5+1*36.15	98.65	Combined Cycle Gas	61.217	57.85
5	NTPS	1*17+1*15+1*9	41	Combined Cycle Gas	10.274	9.658

MEGHALAYA						
1	GANOL HEP	1*22.5	22.5	Hydro	0.415	0.411
2	Myntdu Leshka	3*42	126	Hydro	3.991	3.939
3	New Umtru	2*20	40	Hydro	5.771	5.713
4	Umiam Stage I	4*9	36	Hydro	5.826	5.695
5	Umiam Stage III	2*30	60	Hydro	7.513	7.438
6	Umiam Stage IV	2*30	60	Hydro	7.762	7.685
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	13.296	13.163
NEEPCO						
1	DOYANG	3*25	75	Hydro	2.476	2.446
2	KAMENG	4*150	600	Hydro	130.223	128.66
3	KHANDONG	2*25	50	Hydro	0	0
4	KOPILI	4*50	200	Hydro	45.111	44.569
5	KOPILI STG II	1*25	25	Hydro	5.583	5.516
6	PARE	2*55	110	Hydro	14.386	14.214
7	RANGANADI	3*135	405	Hydro	39.393	38.999
8	TURIAL	2*30	60	Hydro	4.3682	4.316
9	AGBPP	6*33.5+3*30	291	Gas	132.436	128.171
10	AGTCCPP	4*21+2*25.5	135	Gas	37.64	36.473
11	MONARCHAK GAS	1*65.42+1*35.58	101	Gas	42.96	41.456
NHPC						
1	LOKTAK	3*35	105	Hydro	18.968	18.645
OTPCl						
1	PALATANA	2*232.2+2*131.1	726.6	Gas	354.472	339.513
NTPC						
1	BGTPP		0	Coal	305.664	278.154
TOTAL					1339.3592	1277.896

Inter-Country Power Exchange		
BHUTAN		
IMPORT		
1	132KV-RANGIA-DEOTHANG	4.41
2	132KV-SALAKATI-GELEPHU	0.62
Total		5.03
EXPORT		
3	132KV-RANGIA-DEOTHANG	0.27
4	132KV-SALAKATI-GELEPHU	7.02
Total		7.29
Net exchange with bhutan ('-' import / '+' export)		2.26
BANGLADESH		
1	Total Drawal by Bangladesh from Surjamaninagar (India) in MU	41.807
2	Maximum Drawal by Bangladesh from Surjamaninagar (India) in MW	92.090
MYANMAR		
1	Total Drawal by Myanmar from Manipur (India) in MU	0.650
2	Maximum Drawal by Myanmar from Manipur (India) in MW	1.770