



फ़रवरी 2025 के लिए पूर्वोत्तर क्षेत्र की मासिक विद्युत आपूर्ति स्थिति रिपोर्ट

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

ग्रिड कंट्रोलर ऑफ़ इंडिया लिमिटेड
Grid Controller of India Limited

(भारत सरकार का एक उपक्रम)
(A Government of India Enterprise)

पूर्वोत्तर क्षेत्रीय लोड प्रेषण केंद्र
North Eastern Regional Load Despatch Centre

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

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

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	2.944	2.914	0	0	0	0	0	0	2.944	2.914
ASSAM	13.234	13.102	25.45	25.217	39.071	38.094	95.21	88.97	172.965	165.383
MEGHALAYA	32.376	31.965	0	0	0	0	0	0	32.376	31.965
MIZORAM	9.125	9.019	3.759	3.721	0	0	0	0	12.884	12.74
NAGALAND	1.663	1.646	0	0	0	0	0	0	1.663	1.646
TRIPURA	0	0	0.533	0.528	11.984	11.864	49.813	48.07	62.33	60.462
Total (State Sector)									285.162	275.11
(
NEEPCO										
AGBPP	0	0	0	0	0	0	131.43	127.198	131.43	127.198
AGTCCPP	0	0	0	0	0	0	35.186	34.095	35.186	34.095
DOYANG	4.148	4.098	0	0	0	0	0	0	4.148	4.098
KAMENG HEP	105.344	104.08	0	0	0	0	0	0	105.344	104.08
KHANDONG	0	0	0	0	0	0	0	0	0	0
KOPILI	43.454	42.932	0	0	0	0	0	0	43.454	42.932
KOPILI-2	11.157	11.023	0	0	0	0	0	0	11.157	11.023
PARE	3.249	3.21	0	0	0	0	0	0	3.249	3.21
RANGANADI	0	0	0	0	0	0	0	0	0	0
NHPC										
3) OTPC	0	0	0	0	0	0	0	0	0	0
LOKTAK	38.505	37.85	0	0	0	0	0	0	38.505	37.85
PALATANA	0	0	0	0	0	0	310.745	297.631	310.745	297.631
OTPCL										
BGTPP	0	0	397.898	362.087	0	0	0	0	397.898	362.087
Total (Central Sector)									1081.116	1024.204
Total NER	265.199	261.839	427.64	391.553	51.055	49.958	622.384	595.964	1366.278	1299.314

Inter Regional Exchange in MU :

	Import	Export
NER to ER	1.35	259.65
NER to NR	433.46	0
		Net_Import(MU)
Net export by NER		259.65
Net import by NER		434.81

Estimation of Energy Requirement (MU)

Average Frequency (Hz)	50						
Name of Constituents	Generation	Energy drawal from grid		Energy Consumption	Frequency Correction #	Load Shedding	Actual Requirement
		Schedule	Drawal				
ARUNACHAL PRADESH	2.914	94.45	91.343	94.257	0	0	94.257
ASSAM	165.383	618.98	629.72	795.103	0	0.01	795.113
MANIPUR	0	88.4	88.945	88.945	0	4.323	93.268
MEGHALAYA	31.965	128.15	123.34	155.305	0	0	155.305
MIZORAM	12.74	52.52	47.69	60.43	0	0	60.430
NAGALAND	1.646	69.53	68.11	69.756	0	0	69.756
TRIPURA (including BANGLADESH)	60.462	103.52	101.34	161.802	0	0	161.802
Total (inluding Bangladesh)	275.11	1155.55	1150.488	1425.598	0	4.333	1,429.931

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

Monthly Power Supply Position of North Eastern Region for FEB'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	191.15	At 19:00 Hrs on 16.02.25	49.984	0.118	27	196.12
ASSAM	1627.39	At 18:00 Hrs on 28.02.25	50.065	-3.418	20	1643.97
MANIPUR	247.7	At 18:00 Hrs on 07.02.25	50.128	-0.966	0	246.73
MEGHALAYA	352	At 19:00 Hrs on 01.02.25	50.06	-0.634	0	351.37
MIZORAM	160.45	At 17:30 Hrs on 01.02.25	50.089	-0.433	0	160.02
NAGALAND	172.5	At 07:00 Hrs on 20.02.25	50.029	-0.155	0	172.34
TRIPURA (EXCLUDING BANGLADESH)	251.9	At 18:02 Hrs on 20.02.25	50.12	-0.907	0	250.99
TRIPURA (INCLUDING BANGLADESH)	333.54	At 18:05 Hrs on 20.02.25	50.071	-0.7	0	332.84
NER (EXCLUDING BANGLADESH)	2889.68	At 17:51 Hrs on 01.02.25	50.004	0	0	2889.68
NER (INCLUDING BANGLADESH)	2957.91	At 17:51 Hrs on 01.02.25	50.004	0	0	2957.91

'# 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	94.26	94.26	0.00	0.00	218	191.15	27
Assam	795.11	795.10	0.01	0.00	1647	1627	20
Manipur	93.27	88.95	4.32	4.64	248	248	0
Meghalaya	155.31	155.31	0.00	0.00	352	352	0
Mizoram	60.43	60.43	0.00	0.00	160	160	0
Nagaland	69.76	69.76	0.00	0.00	173	173	0
Tripura (excluding Bangladesh)	123.84	123.84	0.00	0.00	252	252	0
Tripura (including Bangladesh)	161.80	161.80	0.00	0.00	334	334	0
NER (excluding Bangladesh)	1391.97	1387.63	4.33	0.31	2890	2890	0
NER (including Bangladesh)	1429.93	1425.60	4.33	0.30	2958	2958	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	2,944	2,914
ASSAM						
1	Champavati / HHPCPL	2*2.025	4.05	Hydro	0.349	0.346
2	Myntreng	3*3+3*1.5	13.5	Hydro	2.113	2.092
3	Azure Solar_Boko	1*25	25	Solar	3.429	3.394
4	Azure Solar_Nagaon	1*15	15	Solar	2.162	2.14
5	Azure Solar_Pailapool	1*25	25	Solar	4.071	4.03
6	Azure Solar_Rowta	1*25	25	Solar	3.58	3.544
7	CALCOM Solar	1*20	20	Solar	2.115	2.115
8	Maheshwari Mining Solar	1*10	10	Solar	0.855	0.846
9	Patanjali Ayurved Solar	1*4	4	Solar	0.291	0.291
10	Suryatap	1*5	5	Solar	0.47	0.465
11	Solar park Amguri	1*70	70	Solar	8.477	8.392
MEGHALAYA						
1	Lakroh	1*1.5	1.5	Hydro	0.018	0.017
2	Sonapani	1*1.5	1.5	Hydro	0.315	0.312
3	Umiam Stage II	2*10	20	Hydro	3.147	3.115
4	Umtru	4*2.8	11.2	Hydro	0	0
MIZORAM						
1	Sertui B	4*3	12	Hydro	2.256	2.233
2	Vankal Solar	1*20	20	Solar	3.759	3.721
NAGALAND						
1	LIKIMRO HEP	3*8	24	Hydro	1.663	1.646
TRIPURA						
1	Gumti	3*5	15	Hydro	0	0
NEEPCO						
1	Monarchak Solar	1*5	5	Solar	0.533	0.528
TOTAL					42.547	42.141

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	10.772	10.664
2	LRPP	7*9.965	69.8	Open Cycle Gas	39.071	38.094
3	LTPS	3*20+1*20.4	80.4	Combined Cycle Gas	32.23	29.49
4	NRPP	1*62.5+1*36.15	98.65	Combined Cycle Gas	55.774	52.706
5	NTPS	1*17+1*15+1*9	41	Combined Cycle Gas	7.206	6.774

MEGHALAYA						
1	GANOL HEP	1*22.5	0	Hydro	0.766	0.758
2	Myntdu Leshka	3*42	126	Hydro	3.156	3.115
3	New Umtru	2*20	40	Hydro	6.257	6.194
4	Umiam Stage I	4*9	36	Hydro	6.003	5.868
5	Umiam Stage III	2*30	60	Hydro	6.139	6.077
6	Umiam Stage IV	2*30	60	Hydro	6.575	6.509
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	11.984	11.864
NEEPCO						
1	DOYANG	3*25	75	Hydro	4.148	4.098
2	KAMENG	4*150	600	Hydro	105.344	104.08
3	KHANDONG	2*25	50	Hydro	0	0
4	KOPILI	4*50	200	Hydro	43.454	42.932
5	KOPILI STG II	1*25	25	Hydro	11.157	11.023
6	PARE	2*55	110	Hydro	3.249	3.21
7	RANGANADI	3*135	405	Hydro	0	0
8	TURIAL	2*30	60	Hydro	6.869	6.786
9	AGBPP	6*33.5+3*30	291	Gas	131.43	127.198
10	AGTCCPP	4*21+2*25.5	135	Gas	35.186	34.095
11	MONARCHAK GAS	1*65.42+1*35.58	101	Gas	49.813	48.07
NHPC						
1	LOKTAK	3*35	105	Hydro	38.505	37.85
OTPCL						
1	PALATANA	2*232.2+2*131.1	726.6	Gas	310.745	297.631
NTPC						
1	BGTPP	3*250	0	Coal	397.898	362.087
TOTAL					1323.731	1257.173

Inter-Country Power Exchange**BHUTAN****IMPORT**

1	132KV-RANGIA-DEOTHANG	1.1
2	132KV-SALAKATI-GELEPHU	0
Total		1.1

EXPORT

3	132KV-RANGIA-DEOTHANG	2.38
4	132KV-SALAKATI-GELEPHU	5.21
Total		7.59
Net exchange with bhutan ('-' import / '+' export)		6.49

BANGLADESH

1	Total Drawal by Bangladesh from Surjamaninagar (India) in MU	37.965
2	Maximum Drawal by Bangladesh from Surjamaninagar (India) in MW	107.800

MYANMAR

1	Total Drawal by Myanmar from Manipur (India) in MU	0.562
2	Maximum Drawal by Myanmar from Manipur (India) in MW	1.778