



**POWER SYSTEM OPERATION CORPORATION LIMITED,  
NORTH EASTERN REGIONAL LOAD DESPATCH CENTRE  
DAILY OPERATION REPORT OF NORTH EASTERN REGION**

Power Supply Position in NORTH EASTERN Region For 28-May-2022

Date of Reporting:29-May-2022

**1. Regional Availability/Demand:**

Evening Peak (20:00) MW				Off-Peak (03:00) MW				Day Energy(Net MU)	
Demand Met	Shortage	Requirement	Freq (Hz)	Demand Met	Shortage	Requirement	Freq (Hz)	Demand Met	Shortage
2885	0	2885	50.06	2038	0	2038	50.02	54.92	0

**2(A)State's Load Deals (At State Periphery) in MUs:**

STATE	State's Control Area Generation (Net MU)						TOTAL STATE GENERATION(MU)	Net SCH (Net Mu)	Drawal (Net Mu)	UI (Net Mu)	Availability (Net MU)	Demand Met (Net MU)	Shortage (Net MU)
	THERMAL	HYDRO	GAS/DIESEL/NAPHTHA	WIND	SOLAR	OTHERS							
ARUNACHAL PRADESH	0	0.06	0	0	0	0	0.06	2.56	2.18	-0.38	2.62	2.24	0
ASSAM	0	1.37	4.46	0	0.65	0	6.48	29.73	29.6	-0.13	36.21	36.08	0
MANIPUR	0	0	0	0	0	0	0	2.6	2.64	0.04	2.6	2.64	0
MEGHALAYA	0	3.55	0	0	0	0	3.55	2.04	1.96	-0.08	5.59	5.51	0
MIZORAM	0	0.11	0	0	0	0	0.11	1.79	1.55	-0.24	1.9	1.66	0
NAGALAND	0	0.14	0	0	0	0	0.14	2.38	2.44	0.06	2.52	2.58	0
TRIPURA	0	0.04	3.69	0	0.02	0	3.75	3.21	2.78	-0.43	6.96	4.21	0
Region	0	5.27	8.15	0	0.67	0	14.09	44.31	43.15	-1.16	58.4	54.92	0

**2(B)State's Demand Met in MWs and day energy forecast and deviation particulars**

State	Evening Peak (20:00) MW			Off-Peak (03:00) MW			Day Energy(Net MU)	
	Demand Met	Shortage	Requirement at Evening peak	Demand Met	Shortage	Requirement at Off-Peak	ForeCast (LGBR) (mms)	Deviation[Forecast(LGBR)-Consumption] (mms)
ARUNACHAL PRADESH	110	0	110	102	0	102	2.48	0.24
ASSAM	1844	0	1844	1389	0	1389	35.69	-0.39
MANIPUR	153	0	153	71	0	71	2.52	-0.12
MEGHALAYA	298	0	298	183	0	183	6	0.49
MIZORAM	91	0	91	48	0	48	1.8	0.14
NAGALAND	129	0	129	85	0	85	2.66	0.08
TRIPURA	260	0	260	160	0	160	4.8	0.59
Region	2885	0	2885	2038	0	2038	55.95	1.03

**2(C)State's Demand Met in MWs ( maximum demand met and Maximum requirement of the day details)**

State	Maximum Demand, corresponding shortage and requirement details for the day				Maximum requirement, corresponding shortage and demand details for the day			
	Maximum Demand Met of the day	Time	Shortage during maximum demand	Requirement at max demand met of the day	Demand Met at maximum requirement	Time	Shortage during maximum Requirement	Maximum Requirement of the day
ARUNACHAL PRADESH	141	21:54	0	141	141	21:54	0	141
ASSAM	1985	21:28	0	1985	1985	21:28	0	1985
MANIPUR	188	18:41	0	188	188	18:41	0	188
MEGHALAYA	325	19:14	0	325	325	19:14	0	325
MIZORAM	100	18:22	0	100	100	18:22	0	100
NAGALAND	138	17:34	0	138	138	17:34	0	138
TRIPURA	271	20:14	0	271	271	20:14	0	271
Region	2941	19:19	0	2941	2941	19:19	0	2941

## 3(A) State Entities Generation:

ARUNACHAL PRADESH							
Station/Constituents	Inst. Capacity	20:00	03:00	Day Peak		Day Energy	AVG. MW
	(MW)	Peak MW	Off Peak MW	(MW)	Hrs	(MU)	
Dikshi	24	6	7	8	19:00	0.06	2.5
Total HYDEL	24	6	7	-	-	0.06	2.5
Total ARUNACHAL PRADESH	24	6	7	-	-	0.06	2.5

ASSAM							
Station/Constituents	Inst. Capacity	20:00	03:00	Day Peak		Day Energy	AVG. MW
	(MW)	Peak MW	Off Peak MW	(MW)	Hrs	(MU)	
Adamtilla	9	0	0	0	0	-	0
Baskandi	15.5	0	0	0	0	-	0
Total THERMAL	24.5	0	0	-	-	0	0
KLHEP	100	50	50	100	03:00	1.19	49.58
Mini Hydro	7	9	7	9	03:00	0.18	7.5
OTHER HYDEL	2.25	0	0	0	0	-	0
OTHER HYDEL	7	0	0	0	0	-	-
Total HYDEL	116.25	59	57	-	-	1.37	57.08
LRPP	70	62	61	63	08:00	1.5	62.5
LTFS	97.2	59	29	59	01:00	0.98	40.83
NRPP	98.5	64	64	64	03:00	1.53	63.75
NTFS	64.5	20	20	20	03:00	0.45	18.75
Total GAS/NAPHTHA/DIESEL	330.2	205	174	-	-	4.46	185.83
SOLAR	70	0	0	42	08:00	0.65	27.08
Total ASSAM	540.95	264	231	-	-	6.48	269.99

MEGHALAYA							
Station/Constituents	Inst. Capacity	20:00	03:00	Day Peak		Day Energy	AVG. MW
	(MW)	Peak MW	Off Peak MW	(MW)	Hrs	(MU)	
Private_Generators	105	0	0	2	14:00	0	0
OTHER THERMAL	66.15	0	0	0	0	-	0
Total THERMAL	171.15	0	0	-	-	0	0
Myndu Leshka	126	54	18	76	19:00	0.96	40
New Umtru	40	40	36	40	19:00	0.7	29.17
Sonapani	1.5	0	1	1	16:00	0.02	0.83
Umiam St I	36	36	26	36	20:00	0.5	20.83
Umiam St II	20	19	14	20	19:00	0.26	10.83
Umiam St III	60	24	24	24	01:00	0.43	17.92
Umiam St IV	60	30	30	30	20:00	0.68	28.33
Umtru	11.2	0	0	0	0	-	0
OTHER HYDEL	1.5	0	0	0	0	-	0
Total HYDEL	356.2	203	149	-	-	3.55	147.91
Total MEGHALAYA	527.35	203	149	-	-	3.55	147.91

MIZORAM							
Station/Constituents	Inst. Capacity	20:00	03:00	Day Peak		Day Energy	AVG. MW
	(MW)	Peak MW	Off Peak MW	(MW)	Hrs	(MU)	
Bairabi	40.27	0	0	0	0	0	0
Serlui-B	12	0	0	0	0	0	0
Tuirial	60	18	0	18	20:00	0.11	4.58
Total HYDEL	112.27	18	0	-	-	0.11	4.58
Total MIZORAM	112.27	18	0	-	-	0.11	4.58

NAGALAND							
Station/Constituents	Inst. Capacity	20:00	03:00	Day Peak		Day Energy	AVG. MW
	(MW)	Peak MW	Off Peak MW	(MW)	Hrs	(MU)	
Likimro	24	12	6	12	20:00	0.14	5.83
Total HYDEL	24	12	6	-	-	0.14	5.83
Total NAGALAND	24	12	6	-	-	0.14	5.83

TRIPURA							
Station/Constituents	Inst. Capacity	20:00	03:00	Day Peak		Day Energy	AVG. MW
	(MW)	Peak MW	Off Peak MW	(MW)	Hrs	(MU)	
Gumti	15	2	2	2	03:00	0.04	1.67
Total HYDEL	15	2	2	-	-	0.04	1.67
Baramura	58.5	40	42	42	03:00	0.99	41.25
Momarchak(Thermal)	101	91	97	97	03:00	2.19	91.25
Rokhia	111	19	20	20	03:00	0.51	21.25
Total GAS/NAPHTHA/DIESEL	270.5	150	159	-	-	3.69	153.75
SOLAR	5	0	0	0	03:00	0.02	0.83
Total TRIPURA	290.5	152	161	-	-	3.75	156.25

3(B) Regional Entities Generation

Station/Constituents	Inst. Capacity	20:00	03:00	Day Peak		Day Energy	AVG	Schedule	UI	RRAS
	(MW)	Peak MW	Off Peak MW	(MW)	Hrs	(MU)	(MW)	(Mu)	(MU)	Sch
<b>NEEPCO</b>										
AGBPP	291	214	245	255	18:00	5	208.33	4.86	0.14	-0.64
AGTCCPP	135	118	113	125	18:00	2.58	107.5	2.34	0.24	-0.23
Doyang	75	33	17	34	19:00	0.48	20	0.45	0.03	0
Kameng HEP	600	579	257	579	20:00	8.78	365.83	8.67	0.11	0
Khandong	50	0	0	0	0	0	0	0	0	0
Kopili	200	0	0	0	-	0	0	0	0	0
Kopili-2	25	0	0	0	0	0	0	0	0	0
Pare	110	110	52	110	18:00	1.77	73.75	1.73	0.04	0
Ranganadi	405	401	0	401	20:00	3.83	159.58	3.76	0.07	0
<b>Sub-Total</b>	<b>1891</b>	<b>1455</b>	<b>684</b>	<b>1504</b>	<b>0</b>	<b>22.44</b>	<b>934.99</b>	<b>21.81</b>	<b>0.63</b>	<b>-0.87</b>
<b>NHPC</b>										
Loktak	105	104	100	104	19:00	2.54	105.83	2.48	0.06	0
<b>Sub-Total</b>	<b>105</b>	<b>104</b>	<b>100</b>	<b>104</b>	<b>0</b>	<b>2.54</b>	<b>105.83</b>	<b>2.48</b>	<b>0.06</b>	<b>0</b>
<b>NTPC</b>										
BGTTP	750	672	698	705	21:00	14.32	596.67	13.48	0.84	-0.74
<b>Sub-Total</b>	<b>750</b>	<b>672</b>	<b>698</b>	<b>705</b>	<b>0</b>	<b>14.32</b>	<b>596.67</b>	<b>13.48</b>	<b>0.84</b>	<b>-0.74</b>
<b>OTPL</b>										
Palatana	726.6	336	346	347	18:00	7.85	327.08	7.84	0.01	0
<b>Sub-Total</b>	<b>726.6</b>	<b>336</b>	<b>346</b>	<b>347</b>	<b>0</b>	<b>7.85</b>	<b>327.08</b>	<b>7.84</b>	<b>0.01</b>	<b>0</b>
<b>Total</b>	<b>3472.6</b>	<b>2567</b>	<b>1828</b>			<b>47.15</b>	<b>1964.57</b>	<b>45.61</b>	<b>1.54</b>	<b>-1.61</b>

Station/Constituents	Inst. Capacity	N/A		Day Peak		Day Energy	AVG. MW
	(MW)	Peak MW	Off Peak MW	(MW)	Hrs	(MU)	
Total ISGS and IPP Thermal	750	672	698			14.32	596.67
Total State Thermal	195.65	0	0			0	0
Total ISGS and IPP Gas	1152.6	668	704			15.43	642.91
Total State Gas	600.7	355	333			8.15	339.58
Total ISGS and IPP Hydro	1570	1227	426			17.4	724.99
Total State Hydro	647.72	300	221			5.27	219.57
Total Solar Generation	75	0	0			0.67	27.91

4(A) INTER-REGIONAL EXCHANGES (Import=(+ve)/Export =(-ve))

SL.No.	Element	20:00	03:00	Maximum Interchange (MW)		Import in MU	Export in MU	NET
		(MW)	MW	Import (MW)	Export (MW)			
Import/Export between BHUTAN and NORTH_EAST REGION								
1	132KV-RANGIA-DEOTHANG	42	33	45	0	0.85	-	0.85
2	132KV-RANGIA-MOTONGA	-	-	-	-	-	-	0
3	132KV-SALAKATI-GELPHU	-2	4	10	6	0.07	-	0.07
	<b>Sub-Total BHUTAN</b>	<b>40</b>	<b>37</b>	<b>55</b>	<b>6</b>	<b>0.92</b>	<b>0</b>	<b>0.92</b>
Import/Export between EAST REGION and NORTH_EAST REGION								
1	220KV-SALAKATI-ALIPURDUAR-1	21	18	36	0	0.57	-	0.57
2	220KV-SALAKATI-ALIPURDUAR-2	21	18	36	0	0.58	-	0.58
3	400KV-BONGAIGAON-ALIPURDUAR-1	2	52	164	17	1.67	-	1.67
4	400KV-BONGAIGAON-ALIPURDUAR-2	2	52	164	17	1.67	-	1.67
5	400KV-BONGAIGAON-NEW SILIGURI-1	49	64	159	0	2.08	-	2.08
6	400KV-BONGAIGAON-NEW SILIGURI-2	49	64	160	0	2.08	-	2.08
	<b>Sub-Total EAST REGION</b>	<b>144</b>	<b>268</b>	<b>719</b>	<b>34</b>	<b>8.65</b>	<b>0</b>	<b>8.65</b>
Import/Export between NORTH REGION and NORTH_EAST REGION								
1	HVDC300KV-BISWANATH CHARIALI-AGRA	-302	-501	0	504	-	10.98	-10.98
	<b>Sub-Total NORTH REGION</b>	<b>-302</b>	<b>-501</b>	<b>0</b>	<b>504</b>	<b>0</b>	<b>10.98</b>	<b>-10.98</b>
	<b>TOTAL IR EXCHANGE</b>	<b>-118</b>	<b>-196</b>	<b>774</b>	<b>544</b>	<b>9.57</b>	<b>10.98</b>	<b>-1.41</b>

4(B) Inter Regional Schedule & Actual Exchange (Import=(+ve)/Export =(-ve)) in MU

	ISGS(LT+MT) Schedule	BILT Schedule	GDAM Schedule	DAM Schedule	RTM Schedule	Total IR Schedule	Total IR Actual	NET IR UI
NER-ER	5.74	-1.18	0.53	0.23	-2.81	2.51	-1.41	-3.92
<b>Total</b>	<b>5.74</b>	<b>-1.18</b>	<b>0.53</b>	<b>0.23</b>	<b>-2.81</b>	<b>2.51</b>	<b>-1.41</b>	<b>-3.92</b>

4(C) Inter-National Exchanges with Bangladesh(Import=(+ve)/Export =(-ve)) [Linkwise]

SL.No.	Element	20:00	03:00	Maximum Interchange (MW)		Import in MU	Export in MU	NET
		(MW)	MW	Import (MW)	Export (MW)			
1	132KV-SURAJMANI NAGAR-COMILLA(BANGLADESH)-1	-60	-41	0	60	-	1.16	-1.16
2	132KV-SURAJMANI NAGAR-COMILLA(BANGLADESH)-2	-60	-41	0	60	-	1.16	-1.16
	<b>TOTAL INT. EXCHANGE</b>	<b>-120</b>	<b>-82</b>	<b>0</b>	<b>120</b>	<b>0</b>	<b>2.32</b>	<b>-2.32</b>

5.Frequency Profile

RANGE(Hz)	< 48.8	< 49	< 49.2	< 49.5	< 49.7	< 49.9	>= 49.9 - <= 50.05	> 50
%	0	0	0	0	.32	16.81	72.2	49.26

Maximum		Minimum		Average Frequency	Freq Variation Index	Deviation	Freq. in 15 min blk	
Frequency	Time	Frequency	Time				Max.	Min.
50.16	18:03:20	49.66	23:09:10	49.98	0.066	0.078	50.11	49.75

6.Voltage Profile: 132kV

STATION	Maximum		Minimum		Voltage (in %)			
	VOLTAGE	TIME	VOLTAGE	TIME	< 110	< 119	> 135	> 145
KUMARGHAT - 132KV	136	04:30	132	18:12	0	0	28.02	0
AIZWAL - 132KV	137	04:27	129	17:38	0	0	20.38	0
KHELEHRIAT - 132KV	137	03:34	130	13:08	0	0	19.86	0
JIRIBAM(PG) - 132KV	137	04:37	131	15:51	0	0	33.4	0
IMPHAL(PG) - 132KV	136	03:33	132	12:31	0	0	13.47	0
HAPLONG - 132KV	135	22:10	129	18:20	0	0	0	0
BADARPUR - 132KV	137	02:48	132	18:05	0	0	18.26	0
NRITULI - 132KV	135	04:30	129	20:32	0	0	0	0
KAHLIPARA - 132KV	137	05:30	128	15:29	0	0	17.74	0

6.Voltage Profile: 220kV

STATION	Maximum		Minimum		Voltage (in %)			
	VOLTAGE	TIME	VOLTAGE	TIME	< 198	< 210	> 235	> 245
SALAKATI - 220KV	232	06:03	221	19:25	0	0	0	0
DIMAPUR (PG) - 220KV	227	04:38	218	18:22	0	0	0	0
MARANI (PG) - 220KV	229	04:29	222	15:23	0	0	0	0
MISA - 220KV	226	04:02	219	18:11	0	0	0	0

6.Voltage Profile: 400kV

STATION	Maximum		Minimum		Voltage (in %)			
	VOLTAGE	TIME	VOLTAGE	TIME	< 380	< 390	> 420	> 430
BGTPP - 400KV	419	07:04	406	19:26	0	0	0	0
SILCHAR - 400KV	420	04:32	401	15:27	0	0	0	0
PALATANA - 400KV	416	04:37	405	18:12	0	0	0	0
BYRNHAT (KILLING) - 400KV	420	04:38	407	19:30	0	0	0	0
MISA - 400KV	415	04:29	402	15:27	0	0	0	0
AZARA - 400KV	410	02:15	399	18:01	0	0	0	0
RANGANADI - 400KV	420	11:51	407	18:31	0	0	0	0
BALIPARA - 400KV	418	11:51	404	18:37	0	0	0	0
BISWANATHI CHARLALI - 400KV	418	11:45	402	18:30	0	0	0	0
BONGAIGAOIN - 400KV	417	05:27	403	19:45	0	0	0	0
IMPHAL(PG) - 400KV	416	04:38	400	18:12	0	0	0	0

7.Major Reservoir Particulars

RESERVOIR	DESIGNED			PRESENT		LAST YEAR		LAST DAY	
	MDDL (Mts)	FRL (Mts)	Energy (MU)	Level (Mts)	Energy (MU)	Level (Mts)	Energy (MU)	Level (Mts)	Energy (MU)
Doyang	306	333	227	306.5	1	306.3	0	306.7	1
Gumti	83.6	93.55	85	0	15	0	-	89.8	15
Kameng	764.5	770	0	769.68	-	0	-	769.7	-
Khandong	704.26	727.3	278	697.1	-	711.85	10	697.1	0
Kopili	592.8	609.6	1186	0	-	0	0	0	-
Loktak	766.2	769	448	766.63	16	766.7	17	766.63	16
Pare	240	245.15	0	243.75	-	242.74	-	243.83	-
Ranganadi	560	567	1507	565.65	-	566.14	-	566.37	-
Umium	960.12	981.43	0	972.88	22	965.8	8	973.1	23
TOTAL	-	-	3731	-	54	-	35	-	54

8. Synchronisation of new generating units :

SL_NO	Station Name	Owner	Inst. Capacity ( MW)	Date	Time

9. Synchronisation of new 220 / 400 / 132 KV Transmission elements and energising of bus /substation :

SL_NO	Station Name	Owner	Inst. Capacity ( MW)	Date	Time

10A. Short-Term Open Access Details:

State	Off-Peak Hours (03:00)							Peak Hours (20:00)						
	Bilateral (MW)	IEX GDAM (MW)	IEX DAM (MW)	IEX RTM (MW)	PXIL GDAM (MW)	PXIL DAM (MW)	PXI RTM (MW)	Bilateral (MW)	IEX GDAM (MW)	IEX DAM (MW)	IEX RTM (MW)	PXIL GDAM (MW)	PXIL DAM (MW)	PXI RTM (MW)
ARUNACHAL PRADESH	-20	0	0	0	0	0	0	-20	0	-90	0	0	0	0
ASSAM	0	0	43.33	183.37	0	0	0	35.71	66.66	380.73	-30	0	0	0
MANIPUR	-45	0	0	-23	0	0	0	-15	0	0	-8	0	0	0
TRIPURA	0	0	0	-20	0	0	0	0	0	48.26	-5	0	0	0
MIZORAM	0	0	-20	0	0	0	0	0	0	-13	0	0	0	0
NAGALAND	-5	0	-8	-10	0	0	0	-5	0	0	0	0	0	0
MEGHALAYA	0	2.12	0	-61	0	0	0	-37	0.14	0	0	0	0	0
TOTAL	-70	2.12	15.33	69.37	0	0	0	-41.29	66.8	325.99	-43	0	0	0

State	Day Energy (MU)						Total (MU)
	ISGS/LT+MT Schedule	BILT Schedule	GDAM Schedule	DAM Schedule	RTM Schedule		
ARUNACHAL PRADESH	3.62	-0.45	0	-0.62	0	2.55	
ASSAM	24.73	0.22	0.49	3.57	0.71	29.23	
MANIPUR	3.39	-0.62	0	0	-0.18	2.59	
TRIPURA	3.28	0	0	0.26	-0.34	3.2	
MIZORAM	1.98	0	0	-0.19	0	1.79	
NAGALAND	2.63	-0.12	0	-0.05	-0.07	2.39	
MEGHALAYA	2.67	-0.23	0.02	0	-0.42	2.02	
TOTAL	42.3	-1.2	0.51	2.97	-0.3	43.77	

10(B). Short-Term Open Access Details

State	ISGS/LT+MT Schedule		Bilateral (MW)		IEX GDAM (MW)		PXIL GDAM(MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
ASSAM	1220.75	925.09	48.26	0	135.75	0	0	0
MANIPUR	166.78	122.42	-15	-45	0	0	0	0
TRIPURA	209.68	117.51	0	0	0	0	0	0
MIZORAM	101.63	66.9	0	0	0	0	0	0
MEGHALAYA	148.24	90.25	0	-50	4.25	0	0	0
NAGALAND	126.09	92.91	-5	-5	0	0	0	0
ARUNACHAL PRADESH	234.71	106.37	-5	-20	0	0	0	0

State	IEX DAM (MW)		PXIL DAM(MW)		IEX RTM (MW)		PXIL RTM (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
ASSAM	491.53	-85	0	0	183.37	-180	0	0
MANIPUR	0	0	0	0	27.99	-31	0	0
TRIPURA	48.26	0	0	0	19.3	-55	0	0
MIZORAM	0	-28	0	0	0	0	0	0
MEGHALAYA	0	0	0	0	0	-61	0	0
NAGALAND	0	-12	0	0	0	-24	0	0
ARUNACHAL PRADESH	0	-90	0	0	0	0	0	0

12. Significant events (If any):

13. System Constraints (If any)

14. Weather Condition:

Shift In Charge