



**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 04-Jul-2022

Date of Reporting:05-Jul-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
3101	67	3168	49.94	2317	77	2394	49.98	59.87	1

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

State's Control Area Generation (Net MU)							TOTAL STATE	Net SCH	Drawal	UI	Availability	Demand Met	Shortage
STATE	THERMAL	HYDRO	GAS/DIESEL/ NAPHTHA	WIND	SOLAR	OTHERS	GENERA- TION(MU)	(Net Mu)	(Net Mu)	(Net Mu)	(Net MU)	(Net MU)	(Net MU)
ARUNACHAL PRADESH	0	0.33	0	0	0	0	0.33	2.13	2.02	-0.11	2.46	2.35	0
ASSAM	0	2.52	5.55	0	0.62	0	8.69	30.96	31.16	0.2	39.65	39.85	0.12
MANIPUR	0	0	0	0	0	0	0	2.6	2.55	-0.05	2.6	2.55	0
MEGHALAYA	0	5.04	0	0	0	0	5.04	0.07	0.37	0.3	5.11	5.41	0.86
MIZORAM	0	0.44	0	0	0	0	0.44	1.35	1.1	-0.25	1.79	1.54	0
NAGALAND	0	0.51	0	0	0	0	0.51	2.22	2.08	-0.14	2.73	2.59	0
TRIPURA	0	0.04	3.06	0	0.02	0	3.12	5.77	6.18	0.41	8.89	5.58	0.02
Region	0	8.88	8.61	0	0.64	0	18.13	45.1	45.46	0.36	63.23	59.87	1

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) (mus)	Deviation[Forecast(LGBR)-Consumption] (mus)
ARUNACHAL PRADESH	136	0	136	61	0	61	2.15	-0.2
ASSAM	2039	0	2039	1633	0	1633	38.54	-1.31
MANIPUR	145	0	145	69	0	69	2.44	-0.11
MEGHALAYA	262	52	314	211	77	288	5.8	0.39
MIZORAM	89	0	89	33	0	33	1.63	0.09
NAGALAND	123	0	123	82	0	82	2.49	-0.1
TRIPURA	307	15	322	228	0	228	5.4	-0.18
Region	3101	67	3168	2317	77	2394	58.45	-1.42

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	137	19:55	0	137	137	19:55	0	137
ASSAM	2071	21:32	0	2071	2071	21:32	0	2071
MANIPUR	175	18:41	0	175	175	18:41	0	175
MEGHALAYA	276	19:10	52	328	276	19:10	52	328
MIZORAM	98	18:49	0	98	98	18:49	0	98
NAGALAND	145	19:05	0	145	145	19:05	0	145
TRIPURA	315	19:47	0	315	315	19:47	0	315
Region	3169	19:08	52	3221	3169	19:08	52	3221

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 (3*8)	24	19	18	20	21:00	0.33	13.75
Total HYDEL	24	19	18	-	-	0.33	13.75
Total ARUNACHAL PRADESH	24	19	18	-	-	0.33	13.75

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 (3*3)	9	0	0	0	0	-	0
Baskandi (1*5+3*3.5)	15.5	0	0	0	0	-	0
Total THERMAL	24.5	0	0	-	-	0	0
Karbi Langpi HEP (2*50)	100	99	99	99	03:00	2.29	95.42
Myntren HEP (3*1.5+3*3)	13.5	12	8	12	20:00	0.23	9.58
Total HYDEL	113.5	111	107	-	-	2.52	105
Lakwa Replacement PP (7*10)	70	58	60	60	03:00	1.42	59.17
Lakwa TPS (3*20+1*37.2)	97.2	88	89	90	01:00	2.11	87.92
Namrup Replacement PP (1*36+1*62.5)	98.5	62	63	64	08:00	1.49	62.08
Namrup TPS (2*21+1*22.5)	64.5	16	27	29	08:00	0.53	22.08
Total GAS/NAPHTHA/DIESEL	330.2	224	239	-	-	5.55	231.25
SOLAR	157.8	0	0	51	12:00	0.62	25.83
Total ASSAM	626	335	346	-	-	8.69	362.08

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 (1*105)	105	0	0	0	-	0	0
Total THERMAL	105	0	0	-	-	0	0
Myndtu Leshka (3*42)	126	84	84	84	01:00	2.02	84.17
New Umtru (2*20)	40	20	20	20	01:00	0.5	20.83
Sonapani HEP (1*1.5)	1.5	1	0	1	14:00	0.02	0.83
Umiam St I (4*9)	36	35	35	35	19:00	0.77	32.08
Umiam St II (2*10)	20	18	18	18	19:00	0.39	16.25
Umiam St III (2*30)	60	28	24	28	16:00	0.62	25.83
Umiam St IV (2*30)	60	30	30	30	01:00	0.72	30
Umtru (4*2.8)	11.2	0	0	0	0	-	0
OTHER HYDEL (5*1)	1.5	0	0	0	0	-	0
Total HYDEL	356.2	216	211	-	-	5.04	209.99
Total MEGHALAYA	461.2	216	211	-	-	5.04	209.99

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 (4*5.73+1*17.35)	40.27	0	0	0	0	0	0
Serlui-B (4*3)	12	0	0	0	0	0	0
Tuirial (2*30)	60	47	0	47	20:00	0.44	18.33
Total HYDEL	112.27	47	0	-	-	0.44	18.33
Total MIZORAM	112.27	47	0	-	-	0.44	18.33

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 (3*8)	24	22	21	22	20:00	0.51	21.25
Total HYDEL	24	22	21	-	-	0.51	21.25
Total NAGALAND	24	22	21	-	-	0.51	21.25

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 (3*5)	15	0	2	2	12:00	0.04	1.67
Total HYDEL	15	0	2	-	-	0.04	1.67
Baramura (2*21)	42	19	20	20	03:00	0.46	19.17
Monarchak(Thermal) (1*65.42+1*35.58)	101	89	92	92	03:00	2.18	90.83
Rokhia (3*21)	63	18	18	18	03:00	0.42	17.5
Total GAS/NAPHTHA/DIESEL	206	126	130	-	-	3.06	127.5
SOLAR (5*1)	5	0	0	4	12:00	0.02	0.83
Total TRIPURA	226	126	132	-	-	3.12	130

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
NEEPCO										
Agartala Gas Turbine CCPP (4*21+2*25.5)	135	115	79	115	19:00	2.65	110.42	2.45	0.2	-0.24
Assam Gas Based PP (6*33.5+3*30)	291	210	154	215	01:00	4.69	195.42	4.38	0.31	-0.41
Doyang HEP (3*25)	75	55	55	56	20:00	1.32	55	1.28	0.04	0
Kameng HEP (4*150)	600	450	447	450	14:00	10.12	421.67	10.04	0.08	0
Khandong HEP (2*25)	50	0	0	0	-	0	0	0	0	0
Kopili HEP (4*50)	200	0	0	0	-	0	0	0	0	0
Kopili-2 HEP (1*25)	25	0	0	0	-	0	0	0	0	0
Pare HEP (2*55)	110	120	120	120	21:00	2.8	116.67	2.78	0.02	0
Ranganadi HEP (3*135)	405	401	220	401	20:00	6.21	258.75	6.16	0.05	0
Sub-Total	1891	1351	1075	1357	0	27.79	1157.93	27.09	0.7	-0.65
NHPC										
Loktak HEP (3*35)	105	105	105	105	19:00	2.54	105.83	2.49	0.05	0
Sub-Total	105	105	105	105	0	2.54	105.83	2.49	0.05	0
NTPC										
Bongaigaon TPP (3*250)	750	698	376	683	19:00	16.68	695	15.65	1.03	0.48
Sub-Total	750	698	376	683	0	16.68	695	15.65	1.03	0.48
OTPC										
Palatana (2*232.2+2*131.1)	726.6	332	340	340	03:00	8.04	335	7.69	0.35	0
Sub-Total	726.6	332	340	340	0	8.04	335	7.69	0.35	0
Total	3472.6	2486	1896			55.05	2293.76	52.92	2.13	-0.17

Station/Constituents	Inst. Capacity	N/A	N/A	Day Peak		Day Energy	AVG. MW
	(MW)	Peak MW	Off Peak MW	(MW)	Hrs	(MU)	
Total ISGS and IPP Thermal	750	698	376			16.68	695
Total State Thermal	129.5	0	0			0	0
Total ISGS and IPP Gas	1152.6	657	573			15.38	640.84
Total State Gas	536.2	350	369			8.61	358.75
Total ISGS and IPP Hydro	1570	1131	947			22.99	957.92
Total State Hydro	644.97	415	359			8.88	369.99
Total Solar Generation	162.8	0	0			0.64	26.66

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	40	38	48	0	0.83	-	0.83
2	132KV-RANGIA-MOTONGA	-	-	-	-	-	-	0
3	132KV-SALAKATI-GELEPHU	20	23	23	0	0.42	-	0.42
	Sub-Total BHUTAN	60	61	71	0	1.25	0	1.25
Import/Export between EAST REGION and NORTH_EAST REGION								
1	220KV-SALAKATI-ALIPURDUAR-1	64	55	68	0	1.1	-	1.1
2	220KV-SALAKATI-ALIPURDUAR-2	64	55	68	0	1.11	-	1.11
3	400KV-BONGAIGAON-ALIPURDUAR-1	255	204	265	0	3.67	-	3.67
4	400KV-BONGAIGAON-ALIPURDUAR-2	255	204	265	0	3.67	-	3.67
5	400KV-BONGAIGAON-NEW SILIGURI-1	226	183	232	0	3.72	-	3.72
6	400KV-BONGAIGAON-NEW SILIGURI-2	227	183	233	0	3.72	-	3.72
	Sub-Total EAST REGION	1091	884	1131	0	16.99	0	16.99
Import/Export between NORTH REGION and NORTH_EAST REGION								
1	HVDC800KV-BISWANATH CHARALI-AGRA	-1005	-1005	0	1006	-	24.11	-24.11
	Sub-Total NORTH REGION	-1005	-1005	0	1006	0	24.11	-24.11
	TOTAL IR EXCHANGE	146	-60	1202	1006	18.24	24.11	-5.87

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	3.68	-5.73	0.34	-1.8	-1.55	-5.06	-5.87	-0.81
Total	3.68	-5.73	0.34	-1.8	-1.55	-5.06	-5.87	-0.81

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	-84	-80	0	84	-	1.86	-1.86
2	132KV-SURAJMANI NAGAR-COMILLA(BANGLADESH)-2	-83	-80	0	83	-	1.86	-1.86
	TOTAL INT. EXCHANGE	-167	-160	0	167	0	3.72	-3.72

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	1.44	20.58	69.55	37.34

<-----Frequency (Hz)----->

Maximum		Minimum		Average Frequency	Freq Variation Index	Standard Deviation	Freq. in 15 mnt blk	
Frequency	Time	Frequency	Time				Max.	Min.
50.16	10:19:20	49.63	19:13:20	49.96	0.099	0.09	50.11	49.72

6. Voltage Profile: 132kV

STATION	Maximum		Minimum		Voltage (in %)			
	VOLTAGE	TIME	VOLTAGE	TIME	< 110	< 119	> 135	> 145
KUMARGHAT - 132KV	134	05:03	127	14:58	0	0	0	0
AIZWAL - 132KV	135	23:58	129	18:31	0	0	14	0
KHELIEHRIAT - 132KV	136	03:32	131	18:55	0	0	22.26	0
JIRIBAM(PG) - 132KV	136	05:03	131	14:48	0	0	10.31	0
IMPHAL(PG) - 132KV	134	02:55	132	18:46	0	0	0	0
HAF LONG - 132KV	134	03:00	129	18:20	0	0	0	0
BADARPUR - 132KV	136	05:00	131	13:26	0	0	15.63	0
NIRJULI - 132KV	128	08:32	123	15:42	0	0	0	0
KAHILIPARA - 132KV	135	05:04	124	14:44	0	0	0	0

6. Voltage Profile: 220kV

STATION	Maximum		Minimum		Voltage (in %)			
	VOLTAGE	TIME	VOLTAGE	TIME	< 198	< 210	> 235	> 245
SALAKATI - 220KV	229	06:30	220	19:12	0	0	0	0
DIMAPUR (PG) - 220KV	225	05:01	216	19:10	0	0	0	0
MARIANI (PG) - 220KV	228	04:49	221	19:10	0	0	0	0
MISA - 220KV	224	03:58	217	18:52	0	0	0	0

6. Voltage Profile: 400kV

STATION	Maximum		Minimum		Voltage (in %)			
	VOLTAGE	TIME	VOLTAGE	TIME	< 380	< 390	> 420	> 430
BgTPP - 400KV	415	05:19	403	19:12	0	0	0	0
SILCHAR - 400KV	411	05:03	394	10:20	0	0	0	0
PALATANA - 400KV	408	05:03	396	18:09	0	0	0	0
BYRNIHAT (KILLING) - 400KV	415	05:04	403	19:11	0	0	0	0
MISA - 400KV	412	05:04	397	18:44	0	0	0	0
AZARA - 400KV	411	00:20	406	15:16	0	0	0	0
RANGANADI - 400KV	405	05:08	395	18:54	0	0	0	0
BALIPARA - 400KV	408	04:38	397	19:19	0	0	0	0
BISWANATH CHARIALI - 400KV	411	05:03	399	18:54	0	0	0	0
BONGAIGANON - 400KV	411	05:02	401	21:21	0	0	0	0
IMPHAL(PG) - 400KV	412	05:02	399	15:00	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	311.45	8	306.4	1	310.85	7
Gumti	83.6	93.55	85	90	15	0	-	90	15
Kameng	764.5	770	0	770.07	-	0	-	770.07	-
Khandong	704.26	727.3	278	0	-	723	35	0	-
Kopili	592.8	609.6	1186	0	-	0	0	0	-
Loktak	766.2	769	448	766.63	16	766.47	8	766.63	16
Pare	240	245.15	0	244.63	-	242.66	-	245.19	-
Ranganadi	560	567	1507	564.71	-	565.21	-	565.33	-
Umium	960.12	981.43	0	977.73	37	968.72	13	977.89	37
TOTAL	-	-	3731	-	76	-	57	-	75

8. Synchronisation of new generating units :

SL.NO	Station Name	Owner	Inst. Capacity (MW)	Date	Time
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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
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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	-51.7	0	-50	0	0	0	0	-51.7	0	-55	0	0	0	0
ASSAM	0	6.95	81.98	-50	0	0	0	0	9.27	574.44	-60	0	0	0
MANIPUR	-40	0	0	-35	0	0	0	-15	0	0	0	0	0	0
TRIPURA	0	0	0	62.76	0	0	0	0	0	57.94	39.59	0	0	0
MIZORAM	0	0	-8	0	0	0	0	0	0	-20	0	0	0	0
NAGALAND	-15.5	0	-35	-13	0	0	0	-15.5	0	0	0	0	0	0
MEGHALAYA	-140.75	4.25	0.39	0	0	0	0	-160.75	6.76	43.07	1.49	0	0	0
TOTAL	-247.95	11.2	-10.63	-35.24	0	0	0	-242.95	16.03	600.45	-18.92	0	0	0

Day Energy (MU)						
State	ISGS/(LT+MT) Schedule	BILT Schedule	GDAM Schedule	DAM Schedule	RTM Schedule	Total (MU)
ARUNACHAL PRADESH	4.53	-1.2	0	-1.21	0	2.12
ASSAM	27.96	0	0.19	3.17	-0.36	30.77
MANIPUR	3.5	-0.56	0	0	-0.35	2.59
TRIPURA	4.15	0	0	0.32	1.3	5.77
MIZORAM	1.66	0	0	-0.31	0	1.35
NAGALAND	3.01	-0.37	0	-0.27	-0.15	2.22
MEGHALAYA	3.13	-3.61	0.14	0.3	0.1	-0.08
TOTAL	47.94	-5.74	0.33	2	0.54	44.74

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	1238.22	1035	0	0	9.27	0	0	0
MANIPUR	160.5	140.14	-15	-40	0	0	0	0
TRIPURA	230.39	147.13	0	0	0	0	0	0
MIZORAM	84.53	53.51	0	0	0	0	0	0
MEGHALAYA	149.35	121.18	-121.44	-178.65	6.76	4.25	0	0
NAGALAND	134.71	116.89	-15.5	-15.5	0	0	0	0
ARUNACHAL PRADESH	232.26	166.38	-47.63	-51.7	0	0	0	0

State	IEX DAM (MW)		PXI DAM(MW)		IEX RTM (MW)		PXI RTM (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
ASSAM	574.44	-188.32	9.17	0	202.78	-91.79	0	0
MANIPUR	0	0	0	0	34.76	-35	0	0
TRIPURA	57.94	0	0	0	86.9	35.76	0	0
MIZORAM	0	-68	0	0	0	0	0	0
MEGHALAYA	48.86	0.39	0	0	27.33	0	0	0
NAGALAND	0	-35	0	0	0	-20	0	0
ARUNACHAL PRADESH	-30	-64	0	0	0	0	0	0

12. Significant events (If any):

13. System Constraints (If any)

14. Weather Condition:

Shift In Charge