



**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 12-Aug-2020

Date of Reporting:13-Aug-2020

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
2850	123	2973	50.01	2102	110	2212	49.96	54.29	1.57

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	0	0	0	0	0	2.15	2.02	-0.13	2.15	2.02	0.01
ASSAM	0	1.36	2.06	0	0.02	0	3.44	31.21	32.37	1.16	34.65	35.81	1.5
MANIPUR	0	0	0	0	0	0	0	2.51	2.55	0.04	2.51	2.55	0.02
MEGHALAYA	0	5.59	0	0	0	0	5.59	0.03	-0.51	-0.54	5.62	5.08	0
MIZORAM	0	0.24	0	0	0	0	0.24	1.28	1.37	0.09	1.52	1.61	0.02
NAGALAND	0	0.3	0	0	0	0	0.3	2.44	1.89	-0.55	2.74	2.19	0.02
TRIPURA	0	0	2.05	0	0.02	0	2.07	6.49	6.53	0.04	8.56	5.04	0
Region	0	7.49	4.11	0	0.04	0	11.64	46.11	46.22	0.11	57.75	54.3	1.57

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	95	2	97	65	0	65	2.01	-0.01
ASSAM	1852	109	1961	1440	110	1550	38.16	2.35
MANIPUR	147	2	149	68	0	68	2.64	0.09
MEGHALAYA	269	0	269	188	0	188	5.27	0.19
MIZORAM	87	3	90	44	0	44	1.52	-0.09
NAGALAND	121	2	123	79	0	79	2.55	0.36
TRIPURA	279	5	284	218	0	218	5.82	0.78
Region	2850	123	2973	2102	110	2212	57.97	3.67

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	108	19:26	1	109	108	19:26	1	109
ASSAM	1866	19:31	92	1958	1866	19:31	92	1958
MANIPUR	182	18:36	3	185	182	18:36	3	185
MEGHALAYA	290	19:06	0	290	290	19:06	0	290
MIZORAM	93	19:33	2	95	93	19:33	2	95
NAGALAND	127	18:59	1	128	127	18:59	1	128
TRIPURA	284	19:12	3	287	284	19:12	3	287
Region	2913	19:21	86	2999	2913	19:21	86	2999

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	0	0	0	0	0	0
Total HYDEL	24	0	0	-	-	0	0
Total ARUNACHAL PRADESH	24	0	0	-	-	0	0

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	51	50	51	20:00	1.2	50
Mini Hydro	7	7	7	7	03:00	0.16	6.67
OTHER HYDEL	2.25	0	0	0	0	-	0
OTHER HYDEL	7	0	0	0	0	-	-
Total HYDEL	116.25	58	57	-	-	1.36	56.67
LRPP	70	36	33	36	20:00	0.69	28.75
LTPS	97.2	53	45	56	01:00	1.16	48.33
NTPS	99.5	16	0	16	01:00	0.21	8.75
Total GAS/NAPHA/DIESEL	266.7	105	78	-	-	2.06	85.83
SOLAR	5	0	0	1	08:00	0.02	0.83
Total ASSAM	412.45	163	135	-	-	3.44	143.33

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	1	09:00	0	0
OTHER THERMAL	66.15	0	0	0	0	-	0
Total THERMAL	171.15	0	0	-	-	0	0
Myndtu Leshka	126	84	84	84	01:00	2.02	84.17
New Umtru	40	40	40	40	01:00	0.96	40
Sonapani	1.5	1	1	1	18:00	0.02	0.83
Umiam St I	36	36	36	36	01:00	0.85	35.42
Umiam St II	20	18	19	20	09:00	0.43	17.92
Umiam St III	60	24	24	30	13:00	0.59	24.58
Umiam St IV	60	30	30	30	01:00	0.72	30
Umtru	11.2	0	0	0	0	-	0
OTHER HYDEL	1.5	0	0	0	0	-	0
Total HYDEL	356.2	233	234	-	-	5.59	232.92
Total MEGHALAYA	527.35	233	234	-	-	5.59	232.92

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	16	0	24	18:00	0.24	10
Total HYDEL	112.27	16	0	-	-	0.24	10
Total MIZORAM	112.27	16	0	-	-	0.24	10

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	18	12	18	19:00	0.3	12.5
Total HYDEL	24	18	12	-	-	0.3	12.5
Total NAGALAND	24	18	12	-	-	0.3	12.5

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	0	0	0	01:00	0	0
Total HYDEL	15	0	0	-	-	0	0
Baramura	58.5	20	20	20	01:00	0.49	20.42
Monarchak(Thermal)	101	30	29	30	20:00	0.62	25.83
Rokhia	111	41	40	41	20:00	0.95	39.58
Total GAS/NAPHA/DIESEL	270.5	91	89	-	-	2.06	85.83
SOLAR	5	0	0	0	01:00	0.02	0.83
Total TRIPURA	290.5	91	89	-	-	2.08	86.66

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										
AGBPP	291	82	116	118	01:00	2.32	96.67	1.86	0.46	0.06
AGTCCPP	135	93	59	93	01:00	1.8	75	1.64	0.16	0.05
Doyang	75	50	50	50	01:00	1.2	50	1.17	0.03	0
Kameng HEP	300	299	300	307	06:00	7.22	300.83	7.12	0.1	0
Khandong	50	0	0	0	0	0	0	0	0	0
Kopili	200	0	0	0	01:00	0	0	0	0	0
Kopili-2	25	0	0	0	0	0	0	0	0	0
Pare	110	117	116	117	17:00	2.8	116.67	2.77	0.03	0
Ranganadi	405	401	360	401	08:00	9.49	395.42	9.42	0.07	0
Sub-Total	1591	1042	1001	1086	0	24.83	1034.59	23.98	0.85	0.11
NHPC										
Loktak	105	105	105	105	01:00	2.55	106.25	2.49	0.06	0
Sub-Total	105	105	105	105	0	2.55	106.25	2.49	0.06	0
NTPC										
BGTPP	750	252	254	259	19:00	6.53	272.08	6.01	0.52	-0.06
Sub-Total	750	252	254	259	0	6.53	272.08	6.01	0.52	-0.06
OTPC										
Palatana	726.6	650	590	650	20:00	15.01	625.42	14.37	0.64	0
Sub-Total	726.6	650	590	650	0	15.01	625.42	14.37	0.64	0
Total	3172.6	2049	1950			48.92	2038.34	46.85	2.07	0.05

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	252	254			6.53	272.08
Total State Thermal	195.65	0	0			0	0
Total ISGS and IPP Gas	1152.6	825	765			19.13	797.09
Total State Gas	537.2	196	167			4.12	171.66
Total ISGS and IPP Hydro	1270	972	931			23.26	969.17
Total State Hydro	647.72	325	303			7.49	312.09
Total Solar Generation	10	0	0			0.04	1.66

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	36	35	67	0	0.95	-	0.95
2	132KV-RANGIA-MOTONGA	-	-	-	-	-	-	0
3	132KV-SALAKATI-GELEPHU	66	70	72	0	1.55	-	1.55
	Sub-Total BHUTAN	102	105	139	0	2.5	0	2.5
Import/Export between EAST REGION and NORTH_EAST REGION								
1	220KV-SALAKATI-ALIPURDUAR-1	71	44	75	0	1.12	-	1.12
2	220KV-SALAKATI-ALIPURDUAR-2	70	44	75	0	1.12	-	1.12
3	400KV-BONGAIGAON-ALIPURDUAR-1	270	91	291	0	2.91	-	2.91
4	400KV-BONGAIGAON-ALIPURDUAR-2	270	91	291	0	2.9	-	2.9
5	400KV-BONGAIGAON-NEW SILIGURI-1	231	114	245	0	3.2	-	3.2
6	400KV-BONGAIGAON-NEW SILIGURI-2	231	113	244	0	3.2	-	3.2
	Sub-Total EAST REGION	1143	497	1221	0	14.45	0	14.45
Import/Export between NORTH REGION and NORTH_EAST REGION								
1	HVDC800KV-BISWANATH CHARIALI-AGRA	-704	-703	0	704	-	16.86	-16.86
	Sub-Total NORTH REGION	-704	-703	0	704	0	16.86	-16.86
	TOTAL IR EXCHANGE	541	-101	1360	704	16.95	16.86	0.09

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

	ISGS/(LT+MT) Schedule	BILT Schedule	PX Schedule	RTM Schedule	Total IR Schedule	Total IR Actual	NET IR UI
NER-ER	7.2	-5.12	-2.47	1	0.15	0.09	-0.06
Total	7.2	-5.12	-2.47	1	0.15	0.09	-0.06

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	86	76	0	86	-	1.78	-1.78
2	132KV-SURAJMANI NAGAR-COMILLA(BANGLADESH)-2	86	76	0	86	-	1.78	-1.78
	TOTAL INT. EXCHANGE	172	152	0	172	0	3.56	-3.56

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	0	4.46	80.67	59.16

Maximum		Minimum		Average	Freq Variation	Standard	Freq. in 15 mnt blk	
Frequency	Time	Frequency	Time	Frequency	Index	Deviation	Max.	Min.
50.13	10:35:20	49.83	16:52:30	50	0.025	0.05	50.08	49.88

6.Voltage Profile: 132kV

STATION	Maximum		Minimum		Voltage (in %)			
	VOLTAGE	TIME	VOLTAGE	TIME	< 110	< 119	> 135	> 145
KUMARGHAT - 132KV	133	04:49	128	18:54	0	0	0	0
AIZWAL - 132KV	134	05:18	127	15:48	0	0	0	0
KHELIEHRIAT - 132KV	136	05:17	129	18:41	0	0	16.11	0
JIRBAM(PG) - 132KV	135	05:03	128	18:39	0	0	0	0
IMPHAL(PG) - 132KV	135	04:13	131	15:53	0	0	16.04	0
HAFLONG - 132KV	136	01:58	127	19:19	0	0	.73	0
BADARPUR - 132KV	135	04:12	130	18:38	0	0	0	0
NIRJULI - 132KV	131	04:19	127	18:58	0	0	0	0
KAHILIPARA - 132KV	133	00:00	133	00:00	0	0	0	0

6.Voltage Profile: 220kV

STATION	Maximum		Minimum		Voltage (in %)			
	VOLTAGE	TIME	VOLTAGE	TIME	< 198	< 210	> 235	> 245
SALAKATI - 220KV	228	05:59	217	19:10	0	0	0	0
DIMAPUR (PG) - 220KV	225	05:03	212	18:55	0	0	0	0
MARIANI (PG) - 220KV	235	05:05	223	19:09	0	0	0	0
MISA - 220KV	225	05:56	214	18:54	0	0	0	0

6.Voltage Profile: 400kV

STATION	Maximum		Minimum		Voltage (in %)			
	VOLTAGE	TIME	VOLTAGE	TIME	< 380	< 390	> 420	> 430
BgTPP - 400KV	414	06:00	398	19:10	0	0	0	0
SILCHAR - 400KV	409	04:52	395	18:50	0	0	0	0
PALATANA - 400KV	412	05:03	405	18:46	0	0	0	0
BYRNHAT (KILLING) - 400KV	415	05:56	398	19:11	0	0	0	0
MISA - 400KV	412	05:03	394	19:00	0	0	0	0
AZARA - 400KV	409	05:55	401	18:51	0	0	0	0
RANGANADI - 400KV	415	06:01	403	18:54	0	0	0	0
BALIPARA - 400KV	409	04:54	395	19:00	0	0	0	0
BISWANATH CHARIALI - 400KV	411	05:49	394	19:09	0	0	0	0
BONGAIGAON - 400KV	409	05:01	395	19:00	0	0	0	0
IMPHAL(PG) - 400KV	412	05:04	396	18:46	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	322.75	32	315.11	14	322.6	32
Gumti	83.6	93.55	85	92	23	90.15	15	92	23
Khandong	704.26	727.3	278	719.6	25	722.5	33	719.6	25
Kopili	592.8	609.6	1186	0	-	609.32	98	0	0
Loktak	766.2	769	448	768.51	-	766.91	24	768.43	238
Pare	240	245.15	0	244.84	-	244.8	-	244.92	-
Ranganadi	560	567	1507	565.96	-	565.42	-	565.05	-
Umium	960.12	981.43	0	979.78	44	977.98	37	979.86	44
TOTAL	-	-	3731	-	124	-	221	-	362

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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10(A). Power Exchange/Schedule Details :

State	Off- Peak Hours (No Selected Date)					Peak Hours (No Selected Date)				
	Bilateral (MW)	IEX (MW)	IEX RTM (MW)	PXIL (MW)	PXI RTM (MW)	Bilateral (MW)	IEX (MW)	IEX RTM (MW)	PXIL (MW)	PXI RTM (MW)
ARUNACHAL PRADESH	-50.83	-10.17	0	0	0	-50.83	-30.5	0	0	0
ASSAM	82.77	234.12	-39.91	0	0	82.77	318.18	147.69	0	0
MANIPUR	-14.02	-48.06	0	0	0	-84.37	53.79	0	0	0
MEGHALAYA	-1.17	-89.75	-2.49	0	0	-49.93	8.05	3.18	0	0
MIZORAM	0	0	0	0	0	0	0	0	0	0
NAGALAND	-12.5	-14.05	0	0	0	-12.5	5.98	14.94	0	0
TRIPURA	0	0	9.99	0	0	0	0	29.96	0	0

State	Day Energy (MU)				
	ISGS/(LT+MT) Schedule	BILT Schedule	PX Schedule	RTM Schedule	Total (MU)
ARUNACHAL PRADESH	3.71	-1.22	-0.34	0	2.15
ASSAM	25.92	1.99	3.05	0.26	31.22
MANIPUR	3.65	-1.36	0.22	0.01	2.52
MEGHALAYA	1.93	-0.92	-1.04	0.06	0.03
MIZORAM	1.31	0	-0.03	0	1.28
NAGALAND	2.74	-0.3	-0.05	0.05	2.44
TRIPURA	6.29	0	0	0.19	6.48

10(B). Power Exchange/Schedule Details (Max/Min) :

State	ISGS/(LT+MT) Schedule		Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
ARUNACHAL PRADESH	182.57	143.57	-50.83	-50.83	-10.17	-35.58	0	0
ASSAM	1067.75	867.72	82.77	82.77	388.31	-120.92	0	0
MANIPUR	175.62	104.6	-14.02	-84.37	83.68	-48.06	0	0
MEGHALAYA	100.21	68.04	-1.17	-76.45	8.05	-99.69	0	0
MIZORAM	70.39	36.62	0	0	0	-8.09	0	0
NAGALAND	129.58	97.45	-12.5	-12.5	5.98	-18.07	0	0
TRIPURA	305.98	229.81	0	0	0	0	0	0

State	IEX RTM (MW)		PXI RTM (MW)	
	Maximum	Minimum	Maximum	Minimum
ARUNACHAL PRADESH	0	0	0	0
ASSAM	257.71	-50.32	0	0
MANIPUR	4.98	0	0	0
MEGHALAYA	11.23	-16.4	0	0
MIZORAM	0	0	0	0
NAGALAND	14.94	0	0	0
TRIPURA	39.95	0	0	0

12. Significant events (If any):

13. System Constraints (If any)

14. Weather Condition:

Shift In Charge