

Bangladesh Power Development Board
DAILY ELECTRICITY GENERATION REPORT

Office of the Member, Generation
Tel: 9564667, 9551095

Month December, 2020				Day: Monday				Date: 21.12.20				
Probable Maximum Demand :		8800 MW		Probable Maximum Generation :		13481 MW		Rule Curve =		104.20 ft.		
Water Level of Kaptai Lake at 06:00 AM				Yesterday =		98.89 ft.		Today =		98.84 ft.		
Sl. No.	Name of Power Station	Nos. of Unit X Capacity (MW)	Installed Capacity (MW)	Derated/ Present Capacity (MW)	20.12.20 (Yesterday)		21.12.20 (Today)		20.12.20 (Yesterday)		Status of Machines under shut-down/ Maintenance	
					Actual Peak Generation (MW)		Probable Peak Generation (MW)		Gen. shortfall for :			
					Day	Evening	Day	Evening	Gas/water/Coal limitation MW	Machines shut down (MW)		Description/ Remarks
(A) Plants in operation:												
1	a) Ghorasal TPP (Unit-1&2)	Gas (PDB)	2 x 55	110	85	0	0	0	0		85	Under maint.
	b) Ghorasal Repowered CCPP Unit-3	Gas (PDB)	1 x 210	210	170	0	0	0	0		170	Under maint.
	c) Ghorasal Repowered CCPP Unit-4	Gas (PDB)	1 x 210	210	180	0	0	12	12		180	STG Commissioning
	d) Ghorasal TPP Unit-5	Gas (PDB)	1 x 210	210	190	115	115	0	0	75		Gas Shortage
2	Ghorasal 365 MW CCPP Unit-7	Gas (PDB)	1x 254+1x 126	365	365	300	300	300	300			
3	Ghorasal 108MW PP (Regent)	Gas (IPP)	34x3.35	108	108	102	15	51	51			
4	Ghorasal 78.5 MW PP(MAX)	Gas (QRPP)	2x40	78	78	0	0	0	0	78		Gas Shortage
5	Tongi 80 MW GTPP	Gas (PDB)	1 x 105	105	105	0	0	0	0	105		Gas Shortage
6	Haripur GTPP	Gas (PDB)	1 x 32	32	20	0	0	0	0	20		Gas Shortage
7	Haripur 360MW CCPP(HPL)	Gas (IPP)	1x235+1x125	360	360	308	250	360	360			
8	Meghnaghat 450 MW CCPP(MPL)	Gas (IPP)	2x140+1x170	450	450	330	210	225	225			
9	210 MW Siddhirgonj TPP	Gas (PDB)	1 x 210	210	115	0	0	0	0		115	Under Overhauling
10	Haripur 412 MW CCPP	Gas (EGCB)	1x273+1x139	412	412	388	374	412	412			
11	Siddhirgonj 2*120 MW GTTP	Gas (EGCB)	2 x 105	210	210	0	0	0	0	210		Gas Shortage
12	Siddhirgonj 335 MW CCPP	Gas (EGCB)	1 x 217+1x118	335	335	0	0	0	0		335	Under maint.
13	Siddhirgonj 100 PP(Dutch Bangla)	HFO (QRPP)	12x8.9	100	100	55	50	100	100			
14	Meghnaghat CCPP(Summit)	GAS (IPP)	2x110+1x110	305	305	0	0	0	0	305		Gas Shortage
15	Meghnaghat 100 MW(EL)	HFO (QRPP)	12x8.9	100	100	7	100	100	100			
16	Madanganj 102 PP(Summit)	HFO (QRPP)	6x17	102	100	15	32	100	100			
17	Madanganj-55 MW PP(Summit)	HFO (IPP)	5x17.08+1x11.3	55	55	55	30	55	55			
18	Keraniganj 100 MW PP (Powerpac)	HFO (QRPP)	8x13.45	100	100	27	86	100	100			
19	Gagnagar 102 MW PP (Digital Pow)	HFO (IPP)	12x8.924	102	102	0	16	100	100			
20	Narshingdi 22 MW PP (Doreen)	Gas (SIPP, REB)	8x2.90	22	22	19	19	19	19			
21	Summit Power, (Madhabdi+Ashulia)	Gas (SIPP, REB)	6x3.67+1x8.73	80	80	57	58	58	58			
22	Maona 33 MW PP(Summit)	Gas (SIPP, REB)	4x8.73	33	33	22	17	25	25			
23	Rupganj 33 MW PP(Summit)	Gas (SIPP, REB)	4x8.73	33	33	33	33	33	33			
24	Gazipur 52 MW PP	HFO (RPCL)	6x8.90	52	52	0	34	52	52			
25	Gazipur 100 MW PP	HFO (RPCL)	6x18.415	105	105	0	53	105	105			
26	Kodda 150MW PP	HFO (BPDB-RPCL)	9x17.06	149	149	0	64	150	150			
27	Katpott 52 MW PP (Sinha)	HFO (IPP)	7x7.90	51	51	0	0	50	50			
28	Kamalaghat 54 MW PP (Banos Energy)	HFO (IPP)	3x18.69	54	54	54	54	54	54			
29	Kodda 300 MW PP Unit-2 (Summit)	HFO (IPP)	18x17.076	300	300	250	300	300	300			
30	Kodda 149 MW PP Unit-1 (Summit)	HFO (IPP)	8x18.415+1x8.97	149	149	0	149	149	149			
31	Keraniganj 300 MW PP (APR)	HSD (IPP)	25x6.14	300	300	0	0	100	300			
32	Bramhangon 100 MW PP (Aggreko)	HSD (IPP)	23x0.85+91x.959	100	100	0	0	50	100			
33	Auraha 100MW PP (Aggreko)	HSD (IPP)	23x0.85+91x.959	100	100	0	0	60	100			
34	Nababganj 55 MW PP (Southern po)	HFO (IPP)	3x19.3	55	55	0	36	55	55			
35	Manikganj 55 MW PP (Northern)	HFO (IPP)	3x19.3	55	55	55	55	55	55			
36	Bosila 108MW PP(ELC)	HFO (IPP)	12x8.775+1x3.5	108	108	0	0	0	0			
37	Meghnaghat 104 MW PP (OPSL)	HFO (IPP)	6x18.5	104	104	90	90	90	90			
38	Manikganj 162MW PP(MPLG)	HFO (IPP)	9x18	162	162	0	0	0	0			
Dhaka Zone Total				6281	6057	2282	2540	3320	3610	793	885	
39	Karnaphuli Hydro PP Unit-1,2,3,4, 5	Hydro (PDB)	2x40, 3x50	230	230	0	35	35	35	195		Low Water Level
40	a) Chattogram TPP-1	Gas (PDB)	1 x 210	210	180	0	0	0	0	180		Gas Shortage
	b) Chattogram TPP-2	Gas (PDB)	1 x 210	210	180	0	0	0	0		180	Under maint.
41	Kaptai 7 MW Solar PP	Solar (PDB)	7	7	4	0	5	0	0			
42	Raozan 25 MW PP	HFO (RPCL)	3x8.9	25	25	0	0	25	25			
43	Teknaf 20MW PP (Solartech)	Solar (IPP)	1x20	20	20	18	0	20	0			
44	Patenga 50MW PP (Baraka)	HFO (IPP)	8x6.89	50	50	50	50	50	50			
45	Sikalbaha 105 MW PP (Baraka Sike)	HFO (IPP)	6x18.415	105	105	0	0	100	100			
46	Sikalbaha Peaking GT	Gas (PDB)	1 x 150	150	150	0	0	0	0	150		Gas Shortage
47	Sikalbaha 225 MW CCPP	Gas (PDB)	1 x 150+1 x 75	225	225	215	216	215	225			
48	Anwara 300 MW PP (United)	HFO (IPP)	17x17.076+3x8.04	300	300	161	179	300	300			
49	Juldah 100 MW Unit-1 (Acorn)	HFO (QRPP)	8x13.45	100	100	0	0	100	100			
50	Juldah 100 MW PP Unit-3 (Acorn)	HFO (IPP)	8x13.45	100	100	100	100	100	100			
51	Dohazari -Kalaish 100 MW Peaking	HFO (PDB)	6x17.0	102	102	0	34	85	85			
52	Hathazari 100 MW peaking PP	HFO (PDB)	11x8.9	98	98	0	0	0	0			
53	Barakunda 22 MW PP (Regent)	Gas (SIPP, PDB)	8x2.90	22	22	16	16	16	16			
*	Malancha, Ctg EPZ (United)	Gas	5x8.73+3x9.34			6	26	7	10			
54	Chattogram 108 MW PP (ECPV)	HFO (IPP)	16x7.00	108	108	0	0	102	102			
55	Sikalbaha 54 MW Power Plant(Jodiac Power)	HFO (IPP)	3x18.55+1x3.6	54	54	54	54	54	54			
56	Karnaphuli Power Ltd.	HFO (IPP)	6x18.41+1x6.4	110	110	0	0	110	110			
57	Juldah unit-2 (Acorn)	HFO (IPP)	8x13.6	100	100	100	100	100	100			
	Anlima Energy Ltd.	HFO (IPP)				0	0	0	0			
Chattogram Zone Total				2326	2266	724	810	1424	1412	525	180	
58	a) Ashuganj TPP Unit- 3	Gas (APSCL)	1 x 150	150	135	0	0	0	0	135		Gas Shortage
	b) Ashuganj TPP Unit- 4	Gas (APSCL)	1 x 150	150	129	70	150	100	100			
	c) Ashuganj TPP Unit- 5	Gas (APSCL)	1 x 150	150	134	0	0	0	0	134		Gas Shortage
59	Ashuganj 50 MW PP	Gas (APSCL)	14x3.968	53	45	0	23	26	26			
60	Ashuganj 225 MW CCPP	Gas (APSCL)	1x142+1*75	221	221	140	202	221	221			
61	Ashuganj 450 MW CCPP(South)	Gas (APSCL)	1x360	360	360	265	55	400	400			
62	Ashuganj 450 MW CCPP(North)	Gas (APSCL)	1x361	360	360	0	0	0	0	360		Under maint.
63	Ashuganj 55 MW PP (Precision)	Gas (RPP)	15*4	55	55	2	53	55	55			
64	Ashuganj 195MW PP (APSCL-United)	Gas (IPP)	20*9.73+1*16	195	195	0	55	73	73	140		Gas shortage
65	Ashuganj 51 MW PP (Midland)	Gas (IPP)	6x9.34	51	51	51	51	51	51			
66	Ashuganj 150MW PP (Midland)	HFO (IPP)	23x7.015	150	150	133	142	150	150			
67	Titas 50 MW Peaking PP	HFO (PDB)	6x8.92	52	52	0	0	0	50			
68	Chandpur 150 MW CCPP	Gas (PDB)	1X106+1x57	163	163	76	50	80	80			
69	Chandpur 200MW (Desh energy)	HFO (IPP)	12x18.415	200	200	68	165	200	200			
70	Feni 22MW PP (Doreen)	Gas (SIPP, PDB)	8x2.90	22	22	21	21	22	22			
71	Feni 11 MW PP (Doreen)	Gas (SIPP, REB)	4x2.90	11	11	11	11	11	11			
72	Jargalia 33MW PP (Summit)	Gas (SIPP, PDB)	4x8.73	33	33	25	25	25	25			
73	Jargalia 52 MW PP (Lakdanavi)	HFO (IPP)	6x8.92	52	52	8	25	52	52			
74	Cumilla 25 MW PP (Summit)	Gas (SIPP, REB)	3x3.67+2x6.97	25	25	18	21	20	21			
75	Daudkandi 200 MW PP (B.Trac)	HSD (IPP)	9x1.4+40x1.515+15x1.02	200	200	0	0	0	200			
76	Feni 114 MW Power Plant(Lakdanavi)	HFO (IPP)	7*18.415+1*9.78	114	114	0	0	114	114			
77	Chowmuhani 113 MW	HFO (IPP)	12*9.78+2*3.1	113	113	0	0	113	113			
**	Impoort (Tiripura)	India		160	160	82	102	139	148			
Cumilla Zone Total				3040	2980	970	1151	1852	2112	409	360	
78	RPCL 210MW CCPP	Gas (IPP)	4x35+1x70	210	202	84	71	115	115	131		Gas Shortage
79	Tangail 22 MW PP (Doreen)	Gas (SIPP, PDB)	8x2.90	22	22	20	20	20	20			
80	Jamalpur 95 MW PP(Powerpac)	HFO (IPP)	12x8.924	95	95	8	91	95	95			
81	Jamalpur 115 MW PP (United)	HFO (IPP)	12x9.87	115	115	115	115	115	115			
82	Mymensingh 200 MW PP (United)	HFO (IPP)	21x9.780	200	200	0	16	200	200			
83	Sarishabari 3 MW Solar Plant	Solar (IPP)	12x8.924	3	3	2	0	1.6	0			
84	Sutiaikhal 50 MW Solar PP	Solar (IPP)	1x50	50	50	45	0	50	0			
	Tangail 22 MW PP(Pali Power Gen	HFO (SIPP)				0	0	0	0			

Sl. No.	Name of Power Station			Nos. of Unit X Capacity (MW)	Installed Capacity (MW)	Derated/ Present Capacity (MW)	20.12.20 (Yesterday)		21.12.20 (Today)		20.12.20 (Yesterday)		Status of Machines under shut-down/ Maintenance		
							Actual Peak Generation (MW)		Probable Peak Generation (MW)		Gen. shortfall for :		Description/ Remarks	Probable start-up date	
							Day	Evening	Day	Evening	Gas/water/Coal limitation MW	Machines shut down (MW)			
85	Fenchugonj	CCPP Phase-1	Gas (PDB)	2x32+1x33	97	70	0	0	0	0					
86	Fenchugonj	CCPP Phase-2	Gas (PDB)	2x35+1x35	104	90	20	20	43	43					
87	Fenchugonj	51 MW PP (Barakatuli)	Gas (RPP)	19x2.90	51	51	8	22	22	22					
88	Fenchugonj	44MW (Energyprima)	Gas (RPP)	12x3.3+5x2.0	44	44	30	30	10	30					
89	Kushiana	163 MW CCPP (KP)	Gas (IPP)	1x109+1x54	163	163	163	163	163	163					
90	Hobiganj	11MW PP Confidence-E	Gas (SIPP, REB)	4x2.90	11	11	5	11	11	11					
91	Shahjibazar	GTTP Unit- 8 & 9	Gas (PDB)	2x35	70	66	17	18	36	36					
92	Shajibazar	330 MW CCPP	Gas (PDB)	2x110+2x110	330	330	128	127	150	150	203		Gas Shortage		
93	Shahjibazar	86MW PP (Shahjibazar)	Gas (RPP)	32x2.90	86	86	71	73	86	86					
94	Sylhet	225 MW CCPP	Gas (PDB)	1x142+1x89	231	231	121	170	180	180					
95	Sylhet	20 MW GTTP	Gas (PDB)	1 x 20	20	20	0	18	20	20					
96	Sylhet	50MW PP (EPL)	Gas (RPP)	27x2.0	50	50	0	0	0	0					
97	Sylhet	10MW PP (Desh)	Gas (RPP)	6x1.95	10	10	0	0	0	0					
98	Shahjahanulla	25 MW PP	Gas (CIPP, REB)	3x9.34	25	25	16	14	16	16					
99	Bibiana-II	341 MW CCPP (Summit)	Gas (IPP)	1x222+1x119	341	341	0	0	0	0	341		Under maint.		
100	Bibiyana-III	400 MW CCPP	Gas (PDB)	1x285+1x115	400	400	120	120	180	180					
		Bibiyana South	400 MW	Gas (PDB)			51	300	300	300					
		Shahjibazar	100 MW GTTP	Gas (PDB)			100	103	100	100					
Sylhet Zone Total							2033	1988	850	1189	1317	1337	203	341	
101	Bheramara	GTTP Unit- 3	HSD (PDB)	1 x 20	20	16	0	0	0	16					
102	Bheramara	410 MW CCPP	Gas (NWPGL)	1 x 278+1 x 132	410	410	270	60	270	270					
103	Faridpur	50 MW Peaking PP	HFO (PDB)	8x6.98	54	54	0	0	25	25					
104	Gopalganj	100 MW Peaking PP	HFO (PDB)	16x6.98	109	109	0	0	65	65					
105	Khulna	225 MW CCPP	HSD (NWPGL)	1 x 150+1x75	230	230	0	0	0	220					
106	Khulna	115 PP MW (KPCL-2)	HFO (QRPP)	7x17	115	115	0	83	115	115					
107	Noapara	100 MW PP (Bangla Trac)	HSD (IPP)	70x1.4+7x1.515	100	100	0	0	0	100					
108	Noapara	40 MW PP (Khanjahan Ali)	HFO (QRPP)	5x8.5	40	40	0	0	40	40					
109	Rupsha	105 MW PP (Orion rupsha)	HFO (IPP)	6x18.445	105	105	90	90	90	90					
110	Madhumati	100 MW PP	HFO (NWPGL)	6x18.415	105	105	0	0	100	100					
**	Bheramara (HVDC)	India			1000	1000	552	792	559	799					
Khulna Zone Total							2288	2284	912	1025	1264	1840	0	0	
111	Barisal	110 MW PP (Summit)	HFO (IPP)	7 x 17.076	110	110	0	96	110	110					
112	Bhola	33 MW PP (Venture)	Gas (RPP)	1x34.50	33	33	18	26	27	27					
113	Bhola	225 MW CCPP	Gas (PDB)	2x63+1x68	194	194	0	0	0	0	194		Under maint.		
114	Bhola	95 MW PP (Agreko)	Gas (QRPP)	1.1x96	95	95	12	12	95	95					
115	Payra	1320 MW Unit-1	Coal (BCPCL)	1x622	622	622	290	550	600	660					
		Bhola Nutan Biddut BD LTD	Gas/HSD (IPP)				11	16	35	35					
		United Payra Power Ltd.	HFO (IPP)				0	0	0	0					
Barishal Zone Total							1054	1054	331	700	867	927	0	194	
116	a)	Baghabari 71 MW GTTP	Gas (PDB)	1 x 71	71	71	0	0	0	0	71		Gas Shortage		
	b)	Baghabari 100 MW GTTP	Gas (PDB)	1 x 100	100	100	0	0	0	0	100		Gas Shortage		
117		Baghabari 50 MW Peaking PP	HFO (PDB)	6x8.9	52	52	0	0	0	50					
118		Baghabari 200 MW PP (Paramount)	HSD (IPP)	135x1.6	200	200	0	0	200	200					
119		Bera 70 MW Peaking PP	HFO (PDB)	9x8.29	71	71	0	0	0	40					
120		Amnura 50 MW PP (Sirha)	HFO (QRPP)	7x7.79	50	50	24	0	35	35					
121		Chapainawabganj 100 MW Peaking	HFO (PDB)	12x8.924	104	104	52	105	100	100					
122		Katakhal 50 MW Peaking PP	HFO (PDB)	6x8.7	50	50	0	0	50	50					
123		Katakhal 50 MW PP (Northern)	HFO (QRPP)	6x8.9	50	50	0	0	50	50					
124		Santahar 50 MW Peaking PP	HFO (PDB)	6x8.7	50	50	0	0	0	34					
125		Sirajgonj 225MW CCPP Unit-1	Gas (NWPGL)	1x150+1x75	210	210	0	0	0	0	210		Gas Shortage		
126		Sirajgonj 225MW CCPP Unit-2	Gas (NWPGL)	1x150 + 1x75	220	220	0	0	0	0	220		Under maint.		
127		Sirajgonj 225MW CCPP Unit-3	Gas (NWPGL)	1x141+1x79	220	220	191	135	225	225					
128		Sirajgonj 400 MW CCPP Unit-4	Gas (IPP)	1x282+1x132	414	414	406	335	400	400					
129		Bogra 22 MW PP (GBB)	Gas (RPP)	6x4.0	22	22	22	22	22	22					
130		Bogra 20 MW PP (Energyprima)	Gas (RPP)	5x3.3+5x2.0	20	10	0	0	0	0					
131		Ullapara 11 MW PP (Summit)	Gas (SIPP, REB)	4x2.90	11	11	11	11	11	11					
132		Natore 52 MW PP (Rajlanka)	HFO (IPP)	6x8.92	52	52	0	0	52	52					
133		Bagura 113 MW PP (Confidence) Unit-1	HFO (IPP)	6'18.55	113	113	0	113	113	113					
134		Bagura 113 MW PP (Confidence) Unit-2	HFO (IPP)	6x18.55	113	113	111	111	113	113					
Rajshahi Zone Total							2193	2183	817	832	1371	1495	381	220	
135	a)	Barapukuria TPP Unit-1	Coal (PDB)	1 x 125	125	85	87	90	90	90					
	b)	Barapukuria TPP Unit-2	Coal (PDB)	1 x 125	125	85	0	0	0	0	85		Coal Shortage		
136		Barapukuria 275 MW TPP Unit-3	Coal (PDB)	1 x 274	274	274	0	0	0	0	274		Under maint.		
137		Rangpur 20 MW GTTP	HSD (PDB)	1 x 20	20	20	0	0	0	0					
138		Rangpur 113 MW PP (Confidence)	HFO (IPP)	7'16x 2'3	113	113	0	113	113	113					
139		Saidpur 20 MW GTTP	HSD (PDB)	1 x 20	20	20	0	0	0	0					
140		Majpara, Tatulia 8 MW Solar PP (Sympa Pt)	Solar (IPP)	1 x 8	8	8	4	0	8	0					
Rangpur Zone Total							685	605	91	203	211	203	85	274	
Sub-total: Plants in operation							20595	20104	7251.0	8763	12223	13481	2527	2454	
Available Power at Sub-station end excluding PIS auxiliary use and Transmission loss							6798	8215	11458	12638					
(B) Contract expired power plants															
Sub-Total: Plants under long term maintenance							0	0	0	0	0	0	0	0	0
Gross Total							20595	20104	7251	8763	12223	13481	2527	2454	
(C) Actual data of 20.12.20 (Yesterday) Sunday :															
01.	Max. Demand (Generation end) :				8763.00 MW, at = 19:30 hrs	12. Zone wise Demand and Load-shed at Evening Peak (Sub-station end) :									
02.	Max. Demand (Sub-station end) :				8215.00 MW, at = 19:30 hrs	Zone	Demand MW	Supply MW	Load Shed MW	Zone	Demand MW	Supply MW	Load Shed MW		
03.	Highest Generation (Generation end) :				8763.00 MW, at = 19:30 hrs	Dhaka	2938	2938	0	Mymensingh	680	680	0		
04.	Minimum Generation (Generation end) :				5335.00 MW, at = 5:00 hrs	Chattogram	816	816	0	Sylhet	310	310	0		
05.	Day-peak Generation (Generation end) :				7251.00 MW, at = 12:00 hrs	Khulna	1068	1068	0	Barishal	245	245	0		
06.	Evening-peak Generation (Generation end) :				8763.00 MW, at = 19:30 hrs	Rajshahi	869	869	0	Rangpur	581	581	0		
07.	Evening Peak Load-shed (Sub-station end) :				0.00 MW, at = 19:30 hrs	Cumilla	708	708	0						
08.	Actual Minimum Generation up to 8:00 hrs. at = 7:00 hrs				5558.00 MW, at = 7:00 hrs	Total 8215 8215 0									
09.	Generation shortfall at evening peak due to :					13. Fuel cost : (a) Gas = 110045812 Taka (c) Coal = 55106911 Taka (b) Oil = 275853730 Taka Total = 441006452 Taka									
	a) Gas limitation :				2247 MW	14. Maximum Temperature in Dhaka was : 24.6° C									
	d) Coal supply Limitation :				85 MW	15. Export through East-West interconnections : At evening peak-hour : -200 MW, at 19:30 hrs Maximum : -280 MW, at 24:00 Energy : 0.769 MKWh									
	b) Low water level in Kaptai lake :				195 MW										
	c) Plants under shut down/ maintenance :				2454 MW										
10.	Total Energy (Generation + India Import) :				168.45 MKWh										
	By Gas = 105.322 MKWh				34.799 MKWh										
	By Coal = 11.773 MKWh				0.956 MKWh										
	By Solar = 0.441 MKWh														
11.	Total Gas Supplied :				834.40 MMCFD										
(D) Forecast of 21.12.20 (Today) Monday :															
01.	Maximum Demand :				8800 MW (Generation end)	04. Maximum Load-shed : 0 MW At evening peak (Sub-station end)									
02.	Maximum Generation :				13481 MW (Generation end)	05. Total Generation : 169.17 MKWh									
03.	Maximum Shortage :				-4681 MW (Generation end)	06. Probable Max. Temperature in Dhaka : 24.5° C									

* Captive Power ** Imported Power

#Remarks: Highest Generation 12893MW on 29-05-2019 at 21:00

(Fazoul Islam Shaker)
Deputy Secretary, Generation