

Bangladesh Power Development Board
DAILY ELECTRICITY GENERATION REPORT

Office of the Member, Generation
Tel : 9564667, 9551095

Month December, 2021						Day : Thursday				Date : 16.12.21					
Probable Maximum Demand : 8600 MW						Probable Maximum Generation : 13138 MW									
Water Level of Kaptai Lake at 06:00 AM						Yesterday = 100.27 ft		Today = 100.15 ft		Rule Curve = 104.60 ft					
Sl. No.	Name of Power Station		Nos. of Unit X Capacity (MW)	Installed Capacity (MW)	Derated/ Present Capacity (MW)	15.12.21 (Yesterday)		16.12.21 (Today)		15.12.21 (Yesterday)		16.12.21 (Today)		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)				
(A) Plants in operation:															
1	Ghorasal Repowered CCGP Unit-3 (GT)	Gas (PDB)	1 x 260	260	260	0	0	0	0			260	Under project work		
2	a) Ghorasal Repowered CCGP Unit-4	Gas (PDB)	1 x 210	210	180	0	0	0	0			180	Under project work		
	b) Ghorasal TPP Unit-5	Gas (PDB)	1 x 210	210	190	0	0	0	0	190			Gas Shortage		
3	Ghorasal 365 MW CCGP Unit-7	Gas (PDB)	1x 254+1x 126	365	365	0	0	180	180						
4	Ghorashal 108MW PP (Regent)	Gas (IPP)	34x3.35	108	108	101	106	106	106						
5	Tongi 80 MW GTPP	Gas (PDB)	1 x 105	105	105	0	0	0	0			105	CB Problem		
6	Haripur GTPP	Gas (PDB)	1 x 32	32	20	0	0	0	0	20			Gas Shortage		
7	Haripur 360MW CCGP(HPL)	Gas (IPP)	1x235+1x125	360	360	280	348	360	360						
8	Meghnaghat 450 MW CCGP(MPL)	Gas (IPP)	2x140+1x170	450	450	270	270	270	270	180			Gas Shortage		
9	210 MW Siddhirgonj TPP	Gas (PDB)	1 x 210	210	115	0	0	0	0			115	Under Overhauling		
10	Haripur 412 MW CCGP	Gas (EGCB)	1x273+1x139	412	412	0	0	0	0	412			Gas Shortage		
11	Siddhirgonj 2*120 MW GTPP	Gas (EGCB)	2 x 105	210	210	0	0	0	0	210			Gas Shortage		
12	Siddhirganj 335 MW CCGP	Gas (EGCB)	1 x 217+1x118	335	335	180	228	0	0	107			Gas Shortage		
13	Meghnaghat CCGP(Summit)	GAS (IPP)	2x110+1x110	305	305	10	240	270	300	65			Gas Shortage		
14	Madanganj-55 MW PP(Summit)	HFO (IPP)	5x17.08+1x11.3	55	55	0	30	55	55						
15	Keraniganj 100 MW PP (Powerpac)	HFO (QRPP)	8x13.45	100	100	24	24	25	25						
16	Gagnagar 102 MW PP (Digital Power)	HFO (IPP)	12x8.924	102	102	40	102	102	102						
17	Narshingdi 22 MW PP (Doreen)	Gas (SIPP, REB)	8x2.90	22	22	22	22	22	22						
18	Summit Power,(Madhabdi+Ashulia)	Gas (SIPP, REB)	6x3.67+7x8.73	80	80	43	47	55	55						
19	Maona 33 MW PP(Summit)	Gas (SIPP, REB)	4x8.73	33	33	25	25	25	25						
20	Rupganj 33 MW PP(Summit)	Gas (SIPP, REB)	4x8.73	33	33	33	33	33	33						
21	Gazipur 52 MW PP	HFO (RPCL)	6x8.90	52	52	51	51	51	51						
22	Gazipur 100 MW PP	HFO (RPCL)	6x18.415	105	105	0	17	105	105						
23	Kodda 150MW PP	HFO (BPDB-RPCL)	9x17.06	149	149	0	16	149	149						
24	Kamalaghat 54 MW PP (Banco Energy)	HFO (IPP)	3x18.69	54	54	35	35	35	35						
25	Kodda 300 MW PP Unit-2 (Summit)	HFO (IPP)	18x17.076	300	300	105	250	300	300						
26	Kodda 149 MW PP Unit-1 (Summit)	HFO (IPP)	8x18.415+1x8.97	149	149	52	133	149	149						
27	Keranigonj 300 MW PP (APR)	HSD (IPP)	256x1.4	300	300	0	0	0	300						
28	Bramhangaoan 100 MW PP (Aggreko)	HSD (IPP)	23x0.85+91x.959	100	100	0	0	100	100						
29	Aurahati 100MW PP (Aggreko)	HSD (IPP)	23x0.85+91x.959	100	100	0	0	50	100						
30	Nababganj 55 MW PP (Southern powe	HFO (IPP)	3x19.3	55	55	55	55	55	55						
31	Manikganj 55 MW PP (Northern)	HFO (IPP)	3x19.3	55	55	37	0	55	55						
32	Meghnaghat 104 MW PP (OPSL)	HFO (IPP)	6x18.5	104	104	104	104	104	104						
33	Manikgonj 162MW PP(MPGL)	HFO (IPP)	9x18	162	162	162	162	162	162						
34	Manikgonj 35MW Solar PP (Inspectra I	Solar (IPP)	1x35	35	35	29	0	30	0						
Kanchan Purbachal Power Generation			HFO (IPP)			57	57	0	0				On test		
Dhaka Zone Total				5717	5560	1715	2355	2848	3198	1184	660				
35	Karnaphuli Hydro PP Unit-1,2,3,4, 5	Hydro (PDB)	2x40, 3x50	230	230	72	73	73	73		40		Unit 2 under overhauling		
36	a) Chattogram TPP-1	Gas (PDB)	1 x 210	210	180	0	0	0	0		180		Under maint.		
	b) Chattogram TPP-2	Gas (PDB)	1 x 210	210	180	0	0	0	0		180		Under maint.		
37	Kaptai 7 MW Solar PP	Solar (PDB)		7	7	4	0	5	0						
38	Raozan 25 MW PP	HFO (RPCL)	3x8.9	25	25	0	25	25	25						
39	Teknaf 20MW PP (Solartech)	Solar (IPP)	1x20	20	20	20	0	20	0						
40	Patenga 50MW PP (Baraka)	HFO (IPP)	8x6.89	50	50	38	50	50	50						
41	Sikalbaha 105 MW PP (Baraka Sikalbah	HFO (IPP)	6x18.415	105	105	0	0	105	105						
42	Shikalbaha Peaking GT	Gas (PDB)	1 x 150	150	150	0	0	0	0		150		Under maint.		
43	Sikalbaha 225 MW CCGP	Gas (PDB)	1 x 150+1 x 75	225	225	0	0	0	0		225		HGPI awaiting for purchase committee approval		
44	Anwara 300 MW PP (United)	HFO (IPP)	17x17.076+ 3x8.04	300	300	283	282	300	300						
45	Juldah 100 MW Unit-1 (Acom)	HFO (QRPP)	8x13.45	100	100	0	0	100	100						
46	Juldah 100 MW PP Unit-3 (Acom)	HFO (IPP)	8x13.45	100	100	70	90	90	90						
47	Dohazari -Kalaish 100 MW Peaking	HFO (PDB)	6x17.0	102	102	0	51	51	80						
48	Hathazari 100 MW peaking PP	HFO (PDB)	11x8.9	98	98	0	0	0	0				Environment Issue		
49	Barabkunda 22 MW PP (Regent)	Gas (SIPP, PDB)	8x2.90	22	22	18	19	21	21						
	* Malancha, Ctg.EPZ (United)	Gas	5x8.73+3x9.34			8	18	20	40						
50	Chattogram 108 MW PP (ECPV)	HFO (IPP)	16x7.00	108	108	0	0	90	90						
51	Sikalbaha 54 MW PP(Jodiac Power)	HFO (IPP)	3x18.55+1x3.6	54	54	54	54	54	54						
52	Karnaphuli Power Ltd.	HFO (IPP)	6x18.41+1x6.4	110	110	44	51	110	110						
53	Juldah unit-2 (Acom)	HFO (IPP)	8x13.6	100	100	0	0	100	100						
54	Chattogram 116 MW PP (Anlima Enerç	HFO (IPP)	6x21.06	116	116	87	51	116	116						
Chattogram Zone Total				2442	2382	698	764	1330	1354	0	775				
55	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	0	0	0	0	129			Gas Shortage		
	c) Ashuganj TPP Unit- 5	Gas (APSCL)	1 x 150	150	134	90	90	90	90						
56	Ashuganj 50 MW PP	Gas (APSCL)	14x3.968	53	45	29	29	29	29						
57	Ashuganj 225 MW CCGP	Gas (APSCL)	1x142+1*75	221	221	233	181	225	225						
58	Ashuganj 450 MW CCGP(South)	Gas (APSCL)	1x360	360	360	300	300	360	360						
59	Ashuganj 450 MW CCGP(North)	Gas (APSCL)	1x361	360	360	190	180	270	270						
60	Ashuganj 55 MW PP (Precision)	Gas (RPP)	15*4	55	55	5	5	55	55						
61	Ashuganj 195MW PP (APSCL-United)	Gas (IPP)	20*9.73+1*16	195	195	36	16	8	16						
62	Ashuganj 51 MW PP (Midland)	Gas (IPP)	6x9.34	51	51	51	43	51	51						
63	Ashuganj 150MW PP (Midland)	HFO (IPP)	23x7.015	150	150	130	142	125	135						
64	Titas 50 MW Peaking PP	HFO (PDB)	6x8.92	52	52	0	0	50	50						
65	Chandpur 150 MW CCGP	Gas (PDB)	1X106+1x57	163	163	0	0	0	0		163		Under maint.		
66	Chandpur 200MW (Desh energy)	HFO (IPP)	12x18.415	200	200	0	17	200	200						
67	Feni 22MW PP (Doreen)	Gas (SIPP, PDB)	8x2.90	22	22	21	21	22	22						
68	Feni 11 MW PP (Doreen)	Gas (SIPP, REB)	4x2.90	11	11	8	11	11	11						
69	Jangalia 33MW PP (Summit)	Gas (SIPP, PDB)	4x8.73	33	33	33	33	33	33						
70	Jangalia 52 MW PP (Lakdanavi)	HFO (IPP)	6x8.92	52	52	10	52	52	52						
71	Cumilla 25 MW PP (Summit)	Gas (SIPP, REB)	3x3.67+2x6.97	25	25	9	9	9	9						
72	Daudkandi 200 MW PP (B.Trac)	HSD (IPP)	99x1.4+40x1.915+15x1.056	200	200	0	0	0	200						
73	Feni 114 MW Power Plant(Lakdanavi)	HFO (IPP)	7*18.415+1*9.78	114	114	0	0	114	114						
74	Chowmuhani 113 MW	HFO (IPP)	12*9.78+2*3.1												

Sl. No.	Name of Power Station		Nos. of Unit X Capacity (MW)	Installed Capacity (MW)	Derated/ Present Capacity (MW)	15.12.21 (Yesterday)		16.12.21 (Today)		15.12.21 (Yesterday)		Status of Machines under shut-down/ Maintenance		
						Actual Peak Generation (MW)		Probable Peak Generation (MW)		Gas/water/Coal limitation MW	Machines shut down (MW)	Description/ Remarks	Probable start-up date	
						Day	Evening	Day	Evening					
84	Fenchugonj CCPP Phase-1	Gas (PDB)	2x32+1x33	97	70	42	43	42	42		27	GT1 Coupling problm		
85	Fenchugonj CCPP Phase-2	Gas (PDB)	2x35+1x35	104	90	43	43	44	44		47	GT4 reduction gear problm		
86	Fenchugonj 51 MW PP (Barakatullah)	Gas (RPP)	19x2.90	51	51	50	50	51	51					
87	Kushiara 163 MW CCPP (KP)	Gas (IPP)	1x109+1x54	163	163	163	163	163	163					
88	Hobiganj 11MW PP Cofidence-E	Gas (SIPP, REB)	4x2.90	11	11	8	11	11	11					
89	Shahjibazar GTPP Unit- 8 & 9	Gas (PDB)	2x35	70	66	66	69	71	71					
90	Shajibazar 330 MW CCPP	Gas (PDB)	2x110+1x110	330	330	0	0	0	0		330	Under maint.		
91	Shahjibazar 86MW PP (Shahjibazar)	Gas (RPP)	32x2.90	86	86	74	77	80	80					
92	Sylhet 225 MW CCPP	Gas (PDB)	1x142+1x89	231	231	165	165	220	220					
93	Sylhet 20 MW GTPP	Gas (PDB)	1 x 20	20	20	18	18	18	18					
94	Sylhet 10MW PP (Desh)	Gas (RPP)	6x1.95	10	10	10	10	10	10					
95	Shahjahanulla 25 MW PP	Gas (CIPP, REB)	3x9.34	25	25	21	24	24	24					
96	Bibiana-II 341 MW CCPP (Summit)	Gas (IPP)	1x222+1x119	341	341	0	0	0	0		341	Under maint.		
97	Bibiyana-III 400 MW CCPP	Gas (PDB)	1x285+1x115	400	400	0	0	0	0					
98	Bibiyana South 383 MW CCPP	Gas (PDB)	1x252+1x131	383	383	400	400	400	400					
99	Shahjibazar 100 MW GTPP	Gas (PDB)	1x100	100	100	0	0	75	75					
Sylhet Zone Total				2422	2377	1060	1073	1209	1209	0	745			
100	Bheramara GTPP Unit- 3	HSD (PDB)	1 x 20	20	16	0	0	0	0					
101	Bheramara 410 MW CCPP	Gas (NWPGCL)	1 x 278+1 x 132	410	410	280	265	350	370	145		Gas Shortage		
102	Faridpur 50 MW Peaking PP	HFO (PDB)	8x6.98	54	54	0	0	0	30					
103	Gopalganj 100 MW Peaking PP	HFO (PDB)	16x6.98	109	109	0	0	0	40					
104	Khulna 225 MW CCPP	HSD (NWPGCL)	1 x 150+1x75	230	230	0	0	0	220					
105	Noapara 100 MW PP (Bangla Trac)	HSD (IPP)	70x1.4+7x1.515	100	100	0	0	50	100					
106	Rupsha 105 MW PP (Orion rupsha)	HFO (IPP)	6x18.445	105	105	40	105	105	105					
107	Madhumati 100 MW PP	HFO (NWPGCL)	6x18.415	105	105	0	0	0	100					
	Mongla Orion 100 MW Solar PP	Solar (IPP)				41	0	5	0					
**	Bheramara (HVDC)	India		1000	1000	662	709	617	673					
Khulna Zone Total				2133	2129	1023	1079	1127	1638	145	0			
108	Barisal 110 MW PP (Summit)	HFO (IPP)	7 x 17.076	110	110	0	0	110	110					
109	Bhola 33 MW PP (Venture)	Gas (RPP)	1x34.50	33	33	15	21	23	23					
110	Bhola 225 MW CCPP	Gas (PDB)	2x63+1x68	194	194	65	65	72	72		129	Under maint.		
111	Bhola 95 MW PP (Aggreko)	Gas (QRPP)	1.1x96	95	95	11	52	32	52					
112	Payra 1320 MW TPP	Coal (BCPCL)	2x622	1244	1244	340	480	620	620		764	Line Overload		
113	Potuaakhali 150MW PP (UPPL)	HFO (IPP)	8x18.415+1x9.78	150	150	0	0	0	150					
114	Bhola 220MW CCPP (Nutan Bidyut BD)	Gas/HSD (IPP)	2x75+1x70	220	220	95	111	200	220					
Barishal Zone Total				2046	2046	526	729	1057	1247	0	893			
115	a) Baghabari 71 MW GTPP	Gas (PDB)	1 x 71	71	71	0	0	0	0	71		Gas Shortage		
	b) Baghabari 100 MW GTPP	Gas (PDB)	1 x 100	100	100	0	0	0	0	100		Gas Shortage		
116	Baghabari 50 MW Peaking PP	HFO (PDB)	6x8.9	52	52	0	25	50	50					
117	Baghabari 200 MW PP (Paramount)	HSD (IPP)	135x1.6	200	200	0	0	200	200					
118	Bera 70 MW Peaking PP	HFO (PDB)	9x8.29	71	71	0	0	30	30					
119	Amnura 50 MW PP(Sinha)	HFO (QRPP)	7x7.79	50	50	0	0	25	25					
120	Chapainawabganj 100 MW Peaking PF	HFO (PDB)	12x8.924	104	104	0	34	90	100					
121	Katakhali 50 MW Peaking PP	HFO (PDB)	6x8.7	50	50	0	8	0	33					
122	Katakhali 50 MW PP (Northern)	HFO (QRPP)	6x8.9	50	50	0	8	50	50					
123	Santahar 50 MW Peaking PP	HFO (PDB)	6x8.7	50	50	0	35	0	35					
124	Sirajgonj 225MW CCPP Unit-1	Gas (NWPGCL)	1x150+1x75	210	210	0	0	0	0	210		Gas Shortage		
125	Sirajgonj 225MW CCPP Unit-2	Gas (NWPGCL)	1x150 + 1x75	220	220	0	0	0	0	220		Gas Shortage		
126	Sirajgonj 225MW CCPP Unit-3	Gas (NWPGCL)	1x141+1x79	220	220	201	200	200	200					
127	Sirajgonj 400 MW CCPP Unit-4	Gas (IPP)	1x282+1x132	414	414	384	414	400	400					
128	Bogra 22 MW PP (GBB)	Gas (RPP)	6x4.0	22	22	21	20	22	22					
129	Ullapara 11 MW PP (Summit)	Gas (SIPP, REB)	4x2.90	11	11	11	11	11	11					
130	Natore 52 MW PP (Rajlanka)	HFO (IPP)	6x8.92	52	52	32	52	52	52					
131	Bagura 113 MW PP (Confidence) Unit-1	HFO (IPP)	6*18.55	113	113	90	113	113	113					
132	Bagura 113 MW PP (Confidence) Unit-2	HFO (IPP)	6x18.55	113	113	113	113	113	113					
133	Sirajgonj 6.55 MW Solar	Solar (NWPGCL)	1x6	6	6	4	0	6	0					
Rajshahi Zone Total				2179	2179	856	1033	1362	1434	601	0			
134	a) Barapukuria TPP Unit-1	Coal (PDB)	1 x 125	125	85	80	79	81	81					
	b) Barapukuria TPP Unit-2	Coal (PDB)	1 x 125	125	85	0	0	0	0		85	Under Overhauling		
135	Barapukuria 275 MW TPP Unit-3	Coal (PDB)	1 x 274	274	274	169	169	169	169					
136	Rangpur 20 MW GTPP	HSD (PDB)	1 x 20	20	20	0	0	0	0					
137	Rangpur 113 MW PP (Confidence)	HFO (IPP)	7*16x 2*3	113	113	107	113	113	113					
138	Saidpur 20 MW GTPP	HSD (PDB)	1 x 20	20	20	0	0	0	0					
139	Majipara, Tatulia 8 MW Solar PP (Sympa Power)	Solar (IPP)	1 x 8	8	8	5	0	8	0					
Rangpur Zone Total				685	605	361	361	371	363	0	85			
Sub-total: Plants in operation				21435	20934	7828.0	9137	11807	13138	2294	3321			
Available Power at Sub-station end excluding P/S auxiliary use and Transmission loss						7525	8783	11349	12629					
(B) Plants under long term maintenance/ contract expired														
140	Katpotti 52 MW PP (Sinha)	HFO (IPP)	7x7.90	51	0	0	0	0	0					
141	Bosila 108MW PP(CLC)	HFO (IPP)	12x8.775+1x3.5	108	0	0	0	0	0					
142	Siddhirganj 100 PP(Dutch Bangla)	HFO (QRPP)	12x8.9	100	0	0	0	0	0			Contract Expired		
143	Madanganj 102 PP(Summit)	HFO (QRPP)	6x17	102	0	0	0	0	0					
144	Bogura 20 MW PP (Energyprima)	Gas (RPP)	5x3.3+5x2.0	20	0	0	0	0	0			Contract Expired on 12/11/2020		
145	Meghnaghat 100 MW(IEL)	HFO (QRPP)	12x8.9	100	0	0	0	0	0			Contract Expired on 07/05/2021		
146	Khulna 115 MW PP (KPCL-2)	HFO (QRPP)	7x17	115	0	0	0	0	0			Contract Expired on 31/05/2021		
Sub-Total: Plants under long term maintenance/ contract expired				596	0	0	0	0	0					
Gross Total				22031	20934	7828	9137	11807	13138	2294	3321			
(C) Actual data of 15.12.21 (Yesterday) Wednesday :														
01.	Max. Demand at eve. peak (Generation end) :			9137.00	MW,	at = 19:00 hrs	12.	Zone wise Demand and Load-shed at Evening Peak (Sub-station end) :						
02.	Max. Demand at eve. peak (Sub-station end) :			8783.00	MW,	at = 19:00 hrs	Zone	Demand MW	Supply MW	Load Shed MW	Zone	Demand MW	Supply MW	Load Shed MW
03.	Highest Generation (Generation end) :			9137.00	MW,	at = 19:00 hrs	Dhaka	3197	3197	0	Mymensingh	701	701	0
04.	Minimum Generation (Generation end) :			5793.00	MW,	at = 5:00 hrs		1001	1001	0	Sylhet	335	335	0
05.	Day-peak Generation (Generation end) :			7828.00	MW,	at = 12:00 hrs	Chattogram	1047	1047	0	Barishal	246	246	0
06.	Evening-peak Generation (Generation end) :			9137.00	MW,	at = 19:00 hrs	Khulna	897	897	0	Rangpur	615	615	0
07.	Evening Peak Load-shed (Sub-station end) :			0.00	MW,	at = 19:00 hrs	Rajshahi	744	744	0				
08.	Minimum Generation Forecast up to 8:00 hrs.			5785.00	MW,	at = 5:00 hrs	Cumilla							
09.	Generation shortfall at evening peak due to :						13.	Fuel cost :			Total	8783	8783	0
	a) Gas limitation :			2294	MW	(a) Gas =			103716064	Taka	(c) Coal =	79939592	Taka	
	d) Coal supply Limitation :			0	MW	(b) Oil =			299029851	Taka	Total =	482685507	Taka	
	b) Low water level in Kaptai lake :			0	MW									
	c) Plants under shut down/ maintenance :			3321	MW		14.	Maximum Temperature in Dhaka was : 26.8° C						
10.	Total Energy (Generation + India Import) :			182.74	MKWh		15.	Export through East-West interconnections :						
	By Gas = 102.191 MKWH				By Oil = 45.503 MKWh		At evening peak-hour : 240 MW, at 19:00 hrs							
	By Coal = 16.527 MKWH				By Hydro = 1.670 MKWh		Maximum : 100 MW, at 7:00 hrs							
	By Solar= 0.915 MKWH						Energy : 0.001 MKWh							
11.	Total Gas Supplied :			837.23	MMCFD									
(D) Forecast of 16.12.21 (Today) Thursday :														
01.	Maximum Demand :			8600	MW	(Generation end)	04.	Maximum Load-shed :			0	MW	At evening peak (Sub-station end)	
02.	Maximum Generation :			13138	MW	(Generation end)	05.	Total Generation :			172.00	MKWh		
03.	Maximum Shortage :			-45384										

* Captive Power ** Imported Power

#Remarks: Highest Generation 13792 MW on 27-04-2021 at 20:00

(Faozul Islam Shaker)
Deputy Secretary, Generation