



Bangladesh Power Development Board
DAILY ELECTRICITY GENERATION REPORT

Office of the Member, Generation
Tel : 9564667, 9531095

Month December, 2019				Day : Friday				Date : 20.12.19			
Probable Maximum Demand : 7700 MW				Probable Maximum Generation : 13493 MW				Rule Curve = 104.20 ft.			
Water Level of Kaptai Lake at 06:00 AM				Yesterday = 97.32 ft				Today = 97.20 ft.			
Sl. No.	Name of Power Station	Nos. of Unit X Capacity (MW)	Installed Capacity (MW)	Derated/ Present Capacity (MW)	19.12.19 (Yesterday)		20.12.19 (Today)		19.12.19 (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)	
(A) Plants in operation:											
1	a) Ghorasal TPP (Unit-1&2)	Gas (PDB)	2 x 55	110	85	35	35	35	35	50	Unit-1 Under Maint.
	b) Ghorasal Repowered CCPP Unit-3	Gas (PDB)	1 x 210	210	170	85	94	0	0		On Test
	c) Ghorasal Repowered CCPP Unit-4	Gas (PDB)	1 x 210	210	180	0	0	200	200	180	Gas Shortage(On test)
	d) Ghorasal TPP Unit-5	Gas (PDB)	1 x 210	210	190	0	0	0	0	190	Gas Shortage
2	Ghorasal 365 MW CCPP Unit-7	Gas (PDB)	1x 254+1x 126	365	365	0	0	0	0	365	Under Maint.
3	Ghorasal 108MW PP (Regent)	Gas (IPP)	34x3.35	108	108	107	107	108	108		
4	Ghorasal 78.5 MW PP(MAX)	Gas (QRPP)	2x40	78	78	20	84	0	0		
5	Tongi 80 MW GTTP	Gas (PDB)	1 x 105	105	105	0	0	0	0	105	Gas Shortage
6	Haripur GTTP	Gas (PDB)	2 x 32	64	40	0	0	0	0	40	Gas Shortage
7	Haripur 360MW CCPP(HPL)	Gas (IPP)	1x235+1x125	360	360	342	282	360	360		
8	Meghnaghat 450 MW CCPP(MPL)	Gas (IPP)	2x140+1x170	450	450	450	450	450	450		
9	210 MW Siddhirganj TPP	Gas (PDB)	1 x 210	210	115	0	0	0	0	115	Gas Shortage
10	Haripur 412 MW CCPP	Gas (EGCB)	1x273+1x139	412	412	187	347	300	300		
11	Siddhirganj 2*120 MW GTTP	Gas (EGCB)	2 x 105	210	210	82	97	100	100	113	Gas Shortage
12	Siddhirganj 335 MW CCPP	Gas (EGCB)	1 x 217+1x118	335	335	240	64	335	335		
13	Siddhirganj 100 PP(Dutch Bangla)	HFO (QRPP)	12x8.9	100	100	0	50	100	100		
14	Meghnaghat CCPP(Summit)	GAS (IPP)	2x110+1x110	305	305	0	0	0	0		
15	Meghnaghat 100 MW(IE)	HFO (QRPP)	12x8.9	100	100	41	100	100	100		
16	Madanganj 102 PP(Summit)	HFO (QRPP)	6x17	102	100	0	0	100	100		
17	Madanganj-55 MW PP(Summit)	HFO (IPP)	5x17.08+1x11.3	55	55	15	15	55	55		
18	Keraniganj 100 MW PP (Powerpac)	HFO (QRPP)	8x13.45	100	100	0	0	100	100		
19	Gagnagar 102 MW PP (Digital Pow	HFO (IPP)	12x8.924	102	102	64	102	93	93		
20	Narshingdi 22 MW PP (Doreen)	Gas (SIPP, REB)	8x2.90	22	22	19	19	22	22		
21	Summit Power.(Madhabdi+Ashulia)	Gas (SIPP, REB)	6x3.67+7x8.73	80	80	47	57	57	57		
22	Maons 33 MW PP(Summit)	Gas (SIPP, REB)	4x8.73	33	33	25	25	33	33		
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	8	52	52		
25	Gazipur 100 MW PP	HFO (RPCL)	6x18.415	105	105	34	70	100	100		
26	Kodda 150MW PP	HFO (BPDB-RPCL)	9x17.06	149	149	0	65	149	149		
27	Katpodi 52 MW PP (Sinha)	HFO (IPP)	7x7.90	51	51	0	47	50	50		
28	Kamalaghat 54 MW PP (Banco Energy)	HFO (IPP)	3x18.69	54	54	53	53	54	54		
29	Kodda 300 MW PP Unit-2 (Summit)	HFO (IPP)	18x17.076	300	300	0	0	200	300		
30	Kodda 149 MW PP Unit-1 (Summit)	HFO (IPP)	8x18.415+1x8.97	149	149	0	0	149	149		
31	Keraniganj 300 MW PP (APR)	HSD (IPP)	25x8.14	300	300	0	0	0	300		
32	Bramhangon 100 MW PP (Aggreko)	HSD (IPP)	23x0.85+91x.959	100	100	0	0	0	100		
33	Auraha 100MW PP (Aggreko)	HSD (IPP)	23x0.85+91x.959	100	100	0	0	0	100		
34	Nababganj 55 MW PP (Southern pc	HFO (IPP)	3x19.3	55	55	0	0	55	55		
35	Manikganj 55 MW PP (Northern)	HFO (IPP)	3x19.3	55	55	17	55	55	55		
36	Bosila 108MW PP(CLC)	HFO (IPP)	12x8.775+1x3.5	108	108	0	0	72	72		
Dhaka Zone Total				6047	5811	1896	2259	3517	4117	743	415
37	Kamaphuli Hydro PP Unit-1,2,3,4, 5	Hydro (PDB)	2x40, 3x50	230	230	40	82	80	80	148	Low Water Level
38	a) Chattogram TPP-1	Gas (PDB)	1 x 210	210	180	100	120	120	120		
	b) Chattogram TPP-2	Gas (PDB)	1 x 210	210	180	190	150	120	120		
39	Kaptai 7 MW Solar PP	Solar (PDB)		7	7	4.24	0	5	0		
40	Raozan 25 MW PP	HFO (RPCL)	3x8.9	25	25	0	0	25	25		
41	Teknaf 20MW PP (Solartech)	Solar (IPP)	1x20	20	20	19	0	20	0		
42	Patenga 50MW PP (Baraka)	HFO (IPP)	8x6.89	50	50	0	46	50	50		
43	Sikalbaha 105 MW PP (Baraka Siku	HFO (IPP)	6x18.415	105	105	0	0	105	105		
44	Shikalbaha Peaking GT	Gas (PDB)	1 x 150	150	150	145	140	150	150		
45	Sikalbaha 225 MW CCPP	Gas (PDB)	1 x 150+1 x 75	225	225	203	203	215	215		
46	Anwara 300 MW PP (United)	HFO (IPP)	17x17.076+ 3x8.04	300	300	52	159	230	300		
47	Juldah 100 MW Unit-1 (Acom)	HFO (QRPP)	8x13.45	100	100	0	0	100	100		
48	Juldah 100 MW PP Unit-3 (Acom)	HFO (IPP)	8x13.45	100	100	0	70	100	100		
49	Dohazari -Kalaish 100 MW Peaking	HFO (PDB)	6x17.0	102	102	0	19	100	100		
50	Hathazari 100 MW peaking PP	HFO (PDB)	11x8.9	98	98	0	0	0	0		
51	Barabkunda 22 MW PP (Regent)	Gas (SIPP, PDB)	8x2.90	22	22	18	18	21	21		
*	Malancha, Ctg EPZ (United)	Gas	5x8.73+3x9.34			6	22	14	14		
52	Chattogram 108 MW PP (ECPV)	HFO (IPP)	16x7.00	108	108	0	0	50	100		
53	Sikalbaha 54 MW Power Plant(Jodiac Power)	HFO (IPP)	3x18.55+1x3.6	54	54	0	0	54	54		
54	Kamaphuli Power Ltd.	HFO (IPP)	6x18.41+1x6.4	110	110	0	0	50	110		
Chattogram Zone Total				2226	2166	777.24	1029	1609	1764	148	0
55	a) Ashuganj TPP Unit- 3	Gas (APSCL)	1 x 150	150	135	125	125	125	125	10	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	0	0	0	0	134	Gas Shortage
56	Ashuganj 50 MW PP	Gas (APSCL)	14x3.968	53	45	37	37	37	37		
57	Ashuganj 225 MW CCPP	Gas (APSCL)	1x142+1775	221	221	0	0	0	0		
58	Ashuganj 450 MW CCPP(South)	Gas (APSCL)	1x360	360	360	320	290	360	360		
59	Ashuganj 450 MW CCPP(North)	Gas (APSCL)	1x361	360	360	330	340	240	240		
60	Ashuganj 55 MW PP (Precision)	Gas (RPP)	15'4	55	55	0	0	0	0		
61	Ashuganj 195MW PP (APSCL-	Gas (IPP)	20'9.73+1'16	195	195	150	187	150	185		
62	Ashuganj 51 MW PP (Midland)	Gas (IPP)	6x9.34	51	51	43	43	43	43		
63	Ashuganj 150MW PP (Midland)	HFO (IPP)	23x7.015	150	150	0	70	150	150		
64	Titas 50 MW Peaking PP	HFO (PDB)	6x8.92	52	52	0	0	0	50		
65	Chandpur 150 MW CCPP	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	150	200		
67	Feni 22MW PP (Doreen)	Gas (SIPP, PDB)	8x2.90	22	22	22	19	22	22		
68	Feni 11 MW PP (Doreen)	Gas (SIPP, REB)	4x2.90	11	11	11	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	0	0	0	50		
71	Cumilla 25 MW PP (Summit)	Gas (SIPP, REB)	3x3.67+2x6.97	25	25	20	20	20	20		
72	Daudkandi 200 MW PP (B.Trac)	HSD (IPP)	9x1.4+40x1.515+15x1.05	200	200	0	0	0	200		
73	Feni 114 MW Power Plant(Lakdanavi)	HFO (IPP)	7'18.415+1'9.78	114	114	0	18	0	114		
**	Impoport (Tripura)	India		160	160	82	98	90	105		
Cumilla Zone Total				2927	2867	1173	1308	1431	1945	273	163
74	RPCL 210MW CCPP	Gas (IPP)	4x35+1x70	210	202	133	112	150	150		
75	Tangail 22 MW PP (Doreen)	Gas (SIPP, PDB)	8x2.90	22	22	20	22	22	22		
76	Jamalpur 95 MW PP(Powerpac)	HFO (IPP)	12x8.924	95	95	48	94	95	95		
77	Jamalpur 115 MW PP (United)	HFO (IPP)	12x9.87	115	115	0	115	115	115		
78	Myensingh 200 MW PP (Limited)	HFO (IPP)	21x9.780	200	200	0	5	100	200		
79	Sarishabari 3 MW Solar Plant	Solar (IPP)	12x8.924	3	3	0.4	0	1.6	0		
Myensingh Zone Total				645	637	201.4	348	483.6	582	0	0

Sl. No.	Name of Power Station	Nos. of Unit X Capacity (MW)	Installed Capacity (MW)	Derated/ Present Capacity (MW)	19.12.19 (Yesterday)		20.12.19 (Today)		19.12.19 (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				
80	Fenchugonj CCPP Phase-1	Gas (PDB)	2x32+1x33	97	70	60	60	60				
81	Fenchugonj CCPP Phase-2	Gas (PDB)	2x35+1x35	104	90	89	89	85				
82	Fenchugonj 51 MW PP (Barakatuli)	Gas (RPP)	19x2.90	51	51	44	47	51				
83	Fenchugonj 44MW (Energyprima)	Gas (RPP)	12x3.3+5x2.0	44	44	0	47	44				
84	Kushlira 163 MW CCPP (KP)	Gas (IPP)	1x109+1x54	163	163	163	163	163				
85	Hobiganj 11MW PP Confidence-E	Gas (SIIP, REB)	4x2.90	11	11	11	11	11				
86	Shahjibazar GTPP Unit- 8 & 9	Gas (PDB)	2x35	70	66	53	58	66				
87	Shahjibazar 330 MW CCPP	Gas (PDB)	2x110+2x110	330	330	0	0	0		330	Under Maint.	25.12.19
88	Shahjibazar 86MW PP (Shahjibazar)	Gas (RPP)	32x2.90	86	86	79	79	79				
89	Sylhet 150 MW CCPP	Gas (PDB)	1x142	142	142	0	0	0		142	Under Overhauling	31.01.20
90	Sylhet 20 MW GTPP	Gas (PDB)	1 x 20	20	20	17	17	17				
91	Sylhet 50MW PP (EPL)	Gas (RPP)	27x2.0	50	50	37	43	40				
92	Sylhet 10MW PP (Desh)	Gas (RPP)	6x1.95	10	10	10	10	10				
93	Shahjahanulla 25 MW PP	Gas (CIIP, REB)	3x9.34	25	25	24	24	24				
94	Bibiana-II 341 MW CCPP (Summit)	Gas (IPP)	1x222+1x119	341	341	0	0	0				
95	Bibiana-III 400 MW CCPP	Gas (PDB)	1x285+1x115	400	400	363	364	400				
Sylhet Zone Total					1944	1899	950	1012	1050	1054	0	472
96	Bheramara GTPP Unit-1,2 & 3	HSD (PDB)	3 x 20	60	46	0	0	0		40		
97	Bheramara 360 MW CCPP	Gas (NWPGL)	1 x 278+1 x 132	410	410	270	175	300		300		
98	Faridpur 50 MW Peaking PP	HFO (PDB)	8x6.98	54	54	0	0	0		25		
99	Gopalganj 100 MW Peaking PP	HFO (PDB)	16x6.98	109	109	7	4	30		70		
100	Khulna 225 MW CCPP	HSD (NWPGL)	1 x 150+1x75	230	230	0	0	0		200		
101	Khulna 115 PP MW (KPCL-2)	HFO (QRPP)	7x17	115	115	16	18	0		115		
102	Noapara 100 MW PP (Bangla Trac)	HSD (IPP)	70x1.4+7x1.515	100	100	0	0	80		100		
103	Noapara 40 MW PP (Khanjahan Ali)	HFO (QRPP)	5x8.5	40	40	0	24	40		40		
104	Rupsha 105 MW PP (Orion rupsha)	HFO (IPP)	6x18.445	105	105	0	0	50		105		
105	Madhumati 100 MW PP	HFO (NWPGL)	6x18.415	105	105	15	50	32		100		
**	Bheramara (HVDC)	India		1000	1000	300	643	176		448		
Khulna Zone Total					2328	2314	608	914	708	1543	0	0
106	Barisal GT PP Unit-1& 2	HSD (PDB)	2 x 20	40	30	0	0	0		30		
107	Barisal 110 MW PP (Summit)	HFO (IPP)	7 x 17.076	110	110	16	110	70		110		
108	Bhola 33 MW PP (Venture)	Gas (RPP)	1x34.50	33	33	5	9	20		20		
109	Bhola 225 MW CCPP	Gas (PDB)	2x63+1x68	194	194	65	65	60		60		
110	Bhola 95 MW PP (Aggreko)	Gas (QRPP)	1.1x96	95	95	0	0	95		95		
Barishal Zone Total					472	462	86	184	245	315	0	0
111	a) Baghabari 71 MW GTPP	Gas (PDB)	1 x 71	71	71	50	50	50		21	Gas Shortage	
112	b) Baghabari 100 MW GTPP	Gas (PDB)	1 x 100	100	100	0	0	0		100	Gas Shortage	
113	Baghabari 50 MW Peaking PP	HFO (PDB)	6x8.9	52	52	0	0	0		50		
114	Baghabari 200 MW PP (Paramount)	HSD (IPP)	135x1.6	200	200	0	0	200		200		
115	Bera 70 MW Peaking PP	HFO (PDB)	9x8.29	71	71	0	0	0		45		
116	Amnura 50 MW PP(Sinha)	HFO (QRPP)	7x7.79	50	50	0	0	50		50		
117	Chapainawabganj 100 MW Peaking	HFO (PDB)	12x8.924	104	104	0	0	80		100		
118	Katakhal 50 MW Peaking PP	HFO (PDB)	6x8.7	50	50	0	0	40		40		
119	Katakhal 50 MW PP (Northern)	HFO (QRPP)	6x8.9	50	50	0	0	40		40		
120	Santhar 50 MW Peaking PP	HFO (PDB)	6x8.7	50	50	0	0	0		36		
121	Sirajgonj 225MW CCPP Unit-1	Gas (NWPGL)	1x150+1x75	210	210	205	205	210		210		
122	Sirajgonj 225MW CCPP Unit-2	Gas (NWPGL)	1x150 + 1x75	220	220	0	0	0		0		
123	Sirajgonj 225MW CCPP Unit-3	Gas (NWPGL)	1x141+1x79	220	220	206	208	220		220	Gas Shortage	
124	Sirajgonj 400 MW CCPP Unit-4	Gas (IPP)	1x282+1x132	414	414	358	394	290		400		
125	Bogra 22 MW PP (GBB)	Gas (RPP)	6x4.0	22	22	22	22	22		22		
126	Bogra 20 MW PP (Energyprima)	Gas (RPP)	5x3.3+5x2.0	20	10	14	14	14		14		
127	Ullapara 11 MW PP (Summit)	Gas (SIIP, REB)	4x2.90	11	11	8	11	11		11		
128	Natore 52 MW PP (Rajlanka)	HFO (IPP)	6x8.92	52	52	0	0	52		52		
129	Bagura 113 MW PP (Confidence) Unit-1	HFO (IPP)	6*18.55	113	113	5	108	113		113		
130	Bagura 113 MW PP (Confidence) Unit-2	HFO (IPP)	6x18.55	113	113	0	0	0		113		
Rajshahi Zone Total					2193	2183	868	1062	1392	1766	341	0
131	a) Barapukuria TPP Unit-1	Coal (PDB)	1 x 125	125	85	0	0	0		0	85	Under Maintenance
132	b) Barapukuria TPP Unit-2	Coal (PDB)	1 x 125	125	85	0	0	0		0	85	Shutdown for Low Demand
133	Barapukuria 275 MW TPP Unit-3	Coal (PDB)	1 x 274	274	274	260	259	250		260		
134	Rangpur 20 MW GTPP	HSD (PDB)	1 x 20	20	20	0	0	0		17		
135	Rangpur 113 MW PP (Confidence)	HFO (IPP)	7*16x 2*3	113	113	0	112	113		113		
136	Saidpur 20 MW GTPP	HSD (PDB)	1 x 20	20	20	0	0	0		17		
137	Majpara, Tatula 8 MW Solar PP (Sympa)	Solar (IPP)	1 x 8	8	8	5.2	0	8		0		
Rangpur Zone Total					685	605	265	371	371	407	0	170
Sub-total: Plants in operation					19467	18944	6824.8	8487	10807	13493	1505	1220
Available Power at Sub-station end excluding P/S auxiliary use and Transmission loss							6409	7860	10148	12671		
(B) Contract expired power plants												
136	Ashuganj 53MW PP (United)	Gas (QRPP)	14x4.00	53	53	0	0	0		0	Contract expired	
137	Shahjibazar 50MW PP (EPL)	Gas (RPP)	27x2.0	50	50	0	0	0		0	Contract expired	
Sub-Total: Plants under long term maintenance					103	103	0	0	0	0		
Gross Total					19570	19047	6824.8	8487	10807	13493	1505	1220
(C) Actual data of 19.12.19 (Yesterday) Thursday :												
01.	Max. Demand (Generation end)	:	8487.00	MW, at = 19:00 hrs P								
02.	Max. Demand (Sub-station end)	:	7860.00	MW, at = 19:00 hrs P								
03.	Highest Generation (Generation end)	:	8487.00	MW, at = 19:00 hrs								
04.	Minimum Generation (Generation end)	:	4989.00	MW, at = 5:00 hrs								
05.	Day-peak Generation (Generation end)	:	6824.84	MW, at = 12:00 hrs								
06.	Evening-peak Generation (Generation end)	:	8487.00	MW, at = 19:00 hrs P								
07.	Evening Peak Load-shed (Sub-station end)	:	0.00	MW, at = 19:00 hrs P								
08.	Actual Minimum Generation up to 8:00 hrs.	:	5075.00	MW, at = 5:00 hrs								
09.	Generation shortfall at evening peak due to :	:										
	a) Gas limitation	:	1357	MW								
	d) Coal supply Limitation	:	0	MW								
	b) Low water level in Kaptai lake	:	148	MW								
	c) Plants under shut down/ maintenance	:	1220	MW								
10.	Total Energy (Generation + India Import)	:	179.16	MKWh								
	By Gas = 152.331			MKWh								
	By Coal = 5.530			MKWh								
	By Solar = 0.136			MKWh								
11.	Total Gas Supplied	:	1074.67	MMCFD								
(D) Forecast of 20.12.19 (Today) Friday :												
01.	Maximum Demand	:	7700	MW (Generation end)								
02.	Maximum Generation	:	13493	MW (Generation end)								
03.	Maximum Shortage	:	-5793	MW (Generation end)								
04.	Maximum Load-shed	:	0	MW At evening peak (Sub-station end)								
05.	Total Generation	:	162.55	MKWh								
06.	Probable Max. Temperature in Dhaka :	:	24.1° C									
(E) Zone wise Demand and Load-shed at Evening Peak (Sub-station end) :												
	Zone		Demand MW	Supply MW	Load Shed MW		Zone		Demand MW	Supply MW	Load Shed MW	
	Dhaka		2896	2896	0		Mymensingh		638	638	0	
	Chattogram		889	889	0		Sylhet		312	312	0	
	Khulna		991	991	0		Barishal		223	223	0	
	Rajshahi		991	991	0		Rangpur		223	223	0	
	Cumilla		697	697	0							
							Total		7860	7860	0	
	13.	Fuel cost :	(a) Gas = 150548788	Taka	(c) Coal = 22617291	Taka						
		(b) Oil = 92432670	Taka	Total = 173166079	Taka							
	14.	Maximum Temperature in Dhaka was :	16.2° C									
	15.	Export through East-West interconnections :										
		At evening peak-hour	-199	MW, at 19:00 hrs PM								
		Maximum	-360	MW, at 8:00 hrs								
		Energy	2.037	MKWh								

* Captive Power ** Imported Power

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

(MONIRUZZAMAN)
Deputy Secretary, Generation