POWER GRID COMPANY OF BANGLADESH LTD.

QF-LDC-07

SUMMARY OF DAILY ELECTRICITY GENERATION

Month : Dec-2014 Day : Saturday Date : 6-Dec-14

Probable Maximum Generation : (a) At Day Peak Hour : 3943 MW (b) At Evening Peak Hour : 5813 MW

Water Level of Kaptai Lake at 06:00 AM (ft) (a) Yesterday : 97.58 (b) Today: 97.55 (c) Rule Curve: 105.55

Sl.	Name of the Power Station	Fuel	Producer	Instilled Capacity		Derated/ Present Capacity	Actual Generation On 5-Dec-14 Day Peak	Actual Generation On 5-Dec-14 Ev. Peak	Available Generation On 6-Dec-14 Day Peak	Available Generation On 6-Dec-14 Ev. Peak	Ev. Peak Gen.Shortage for Fuel Limitation	Ev. Peak Gen.Shortage for Plants S/D or M/C prob.	Plants under Shut down (Date) / Remarks	Probable Start up Date
					MW	MW	MW	MW	MW	MW	MW	MW		
1a	Ghorasal ST: Unit-1, 2	Gas	PDB	2X55	110	85	87	87	87	87				
1b	Ghorasal ST: Unit-3	Gas	PDB	1x210	210	170	110	110	110	110		60		
1c	Ghorasal ST: Unit-4	Gas	PDB	1x210	210	180	170	170	170	170		10		
1d	Ghorasal ST: Unit-5	Gas	PDB	1x210	210	190	0	30	0	0		190	23/11/2014	7/12/2014
1e	Ghorasal ST: Unit-6	Gas	PDB	1x210	210	190	0	0	0	0		190	(18/07/2010)	Long term maint.
2	Ghorashal 100MW(Aggreko)	Gas	QRPP	128X0.85	100	100	92	106	101	100				
3	Ghorashal 45MW (Aggreko)	Gas	QRPP	58X0.85	45	45	41	46	45	45				
4	Ghorashal 78.5MW (MAX)	Gas	QRPP	4x21.5	78	78	0	0	0	0			Contract date expired 26/05/14, Long term maint.	
	Ghorashal (Regent)	Gas	IPP	34x3.35	108	108	42	107	101	107				
6	Haripur GT: Unit-1, 2, 3	Gas	PDB	3x32	96	60	0	0	0	0	40	20	#1&#2(22/10/13),#3(18/6/05)&3 long term maint.	
7	Haripur 412 MW CCPP	Gas	EGCB	1x273+1x139	412	412	339	338	227	227		74		
8	Haripur NEPC (HFO)	HFO	IPP	8x15	110	110	0	55	0	55		55	Transformer fault	
9	Haripur Power CCPP	Gas	IPP	1*235+1*125	360	360	360	361	359	360				
10	Meghnaghat CCPP	Gas	IPP	2X150+1*150	450	450	0	0	0	0		450	21/04/2014	Long term maint.
11	Meghnaghat (IEL)	HFO	RPP	12x8.9	100	100	7	72	25	72		28	1 Engine problem	
12	Meghnaghat CCPP(Summit)	HSD	IPP	2x110+1x110	203	203	0	0	0	0			Reserve	
13	Madanganj (Summit)	HFO	QRPP	6x17	102	100	0	48	91	91				
14	Keraniganj (Powerpac)	HFO	RPP	8x13.45	100	100	0	82	0	82				
15	Karshingdi (Doreen)	Gas	SIPP.REB	8X2.90	22	22	12	19	16	19		3	Synchronized at 33KV, 1 Machine problem	
16a	Siddhirganj ST	Gas	PDB	1x210	210	150	105	110	110	110	40			
16b	Siddhirganj GT: Unit-1& 2	Gas	EGCB	2x105	210	210	102	107	42	107	103			
17	Siddhirganj (Desh)	HSD	QRPP	96x1.2	96	98	0	0	0	90				
18	Siddhirganj (Dutch Bangla)	HFO	RPP	12x8.9	100	100	0	81	30	81		18	2 Engine problem	
19	Pagla (DPA)	HSD	QRPP	10X90.5	50	50	0	0	0	0			Reserve	
20	Gagnagar (Orion)	HFO	IPP	12*8.924	102	102	0	50	7	102				
21	Summit Power, Dhaka	Gas	SIPP.REB	67+2*6.97+1*4	146	146	64	80	64	80			Synchronized at 33KV	
22	Gazipur (RPCL)	HFO	IPP	6x8.9	52	52	0	7	0	52				
23	Tongi GT	Gas	PDB	1X 105	105	105	50	65	60	65	40			
	Dhaka Area Total				*4307*	*4076*	*1581*	*2131*	*1645*	*2212*	*223*	*1098*		
24a	Chittagong ST: Unit-1	Gas	PDB	1x210	210	180	0	0	0	0	180		4/11/2014	Unknown
24b	Chittagong ST: Unit-2	Gas	PDB	1x210	210	180	0	0	0	0	180		26/11/2014	Unknown
25	Raozan 25 MW (RPCL)	HFO	IPP	3x8.9	25	25	0	26	17	25				
26	Patenga 50MW (Barakatullah)	HFO	IPP	8x6.89	50	50	0	55	0	50				
27	Kaptai Hydro: Unit-1,2,3,4, 5	Hydro	PDB	2X40, 3X50	230	230	38	46	32	46				
28a	Sikalbaha ST	Gas	PDB	1X60	60	40	0	0	0	0	40		03/07/14	Unknown
28b	Sikalbaha Peaking GT	Gas	PDB	1x150	150	150	0	0	0	0	150		1/12/2014	Unknown
29	Sikalbaha (Energis)	HFO	RPP		26	26	25	23	25	25				
30	Hathazari peaking	HFO	PDB	11x8.9	98	98	0	81	0	81			1 Engine problem	
31	Bohazari-Kalaish Peaking	HFO	PDB	6x17	102	102	0	48	0	102				
32	Julidah (Acorn)	HFO	QRPP	8x13.45	100	100	20	100	84	100				
33	Barabkunda (Regent)	Gas	SIPP.PDB	8X2.90	22	22	22	22	0	22			Synchronized at 33KV	
34	Malancha, Ctg. EPZ (United)	Gas					24	35	5	35				
	Chittagong area Total				*1283*	*1203*	*129*	*436*	*163*	*486*	*550*	*0*		
35a	Ashuganj ST: Unit- 1 & 2	Gas	APSCL	2x64	128	97	50	50	50	50		47	#1(23/08/14)	Unknown
35b	Ashuganj ST: Unit- 3	Gas	APSCL	1x150	150	135	130	130	130	130				
35c	Ashuganj ST: Unit- 4	Gas	APSCL	1x150	150	129	140	140	140	140				
35d	Ashuganj ST: Unit- 5	Gas	APSCL	1x150	150	134	0	0	0	0			5/12/2014	Unknown
35e	Ashuganj CCPP: GT-2	Gas	APSCL	1x56	56	40	40	40	40	40				
35f	Ashuganj Engines	Gas	APSCL	14x3.968	53	45	23	23	25	23				
36	Ashuganj (Precision)	Gas	RPP	15x4	55	55	55	55	56	55				
37	Ashuganj (Aggrekko)	Gas	QRPP	96x1.10	95	95	94	102	94	95				
38	Ashuganj (United)	Gas	QRPP	14x4	53	53	53	53	53	53				
39	Ashuganj (Midland)	Gas	IPP	6x9.34	51	51	54	54	45	51				
40	Brahmanbaria (Aggreko)	Gas	QRPP	86x1.10	85	85	86	85	86	85				
41	Titas (Daudkandi) Peaking	HFO	PDB	6x8.92	52	52	0	0	0	50				
42	Chandpur CCPP	Gas	PDB	1x106+1x57	163	163	0	0	0	0	163		7/9/2014	Unkhown
43	Feni (Doreen)	Gas	SIPP.PDB	8X2.90	22	22	21	21	21	21				
44	Feni, Mohipal (Doreen)	Gas	SIPP.REB	4X2.90	11	11	11	11	0	11			Synchronized at 33KV	
45	Janpalla (Summit)	Gas	SIPP.PDB	4X8.73	33	33	26	34	26	33			Synchronized at 33KV	
46	Summit Power, Comilla	Gas	SIPP.REB	3x3.67+2x6.97	25	25	18	20	15	20		5	Synchronized at 33KV, 1 Machine problem	
	Comilla Area Total				*1332*	*1225*	*801*	*818*	*781*	*857*	*163*	*52*		
47	RPCL CCPP	Gas	IPP	4X35+1x70	210	202	99	102	107	102	100			
48	Tangail (Doreen)	Gas	SIPP. PDB	8X2.90	22	22	19	22	19	22			Synchronized at 33 kV	
	Mymensingh Area Total				*232*	*224*	*118*	*124*	*126*	*124*	*100*	*0*		
49a	Fenchugonj CCPP-1	Gas	PDB	2x32+1x33	97	80	60	62	38	62				
49b	Fenchugonj CCPP-2	Gas	PDB	2x35+1x35	104	90	44	44	60	60		30	ST(07/11/2014)	Unkhown
50	Fenchugonj (Barakatullah)	Gas	RPP	19X2.90	51	51	46	49	44	49				
51	Fenchuganj (Energyprima)	Gas	RPP	12x3.3+5x2	44	44	50	46	46	44				
52	Hobiganj (Confidence-EP)	Gas	SIPP. REB	4X2.90	11	11	8	8	8	8		3	Synchronized at 33KV, 1 Machine problem	
53	Shahjibazar GT: Unit- 8, 9	Gas	PDB	2X35	70	66	53	42	40	66				
54	Shahjibazar (Shahjibazar)	Gas	RPP	32X2.90	86	86	70	84	81	84				
55	Shahjibazar (Energyprima)	Gas	RPP	27X2.0	50	50	10	48	47	48				
56	Sylhet 150 MW GT	Gas	PDB	1X142	142	142	99	119	94	142				
57	Sylhet 20 MW GT	Gas	PDB	1X20	20	20	20	20	0	20				
58	Sylhet (Energyprima)	Gas	RPP	27X2	50	50	37	48	45	48				
59	Shahjahanulla 25 MW	Gas	CIPP. REB	3x9.34	25	25	0	9	6	9		16	2 Machine problem	
60	Sylhet (Desh)	Gas	RPP	6X1.95	10	10	11	10	11	10				
	Sylhet Area Total				*760*	*725*	*508*	*589*	*520*	*650*	*0*	*49*		
61	Bheramara GT: Unit- 1, 2 ,3	HSD	PDB	3X20	60	46	0	0	0	0			Reserve	
62	Bheramara (Quantum)	HSD	RPP	7X8.5+2X6+2X	105	105	0	0	0	0		105	16 Engine problem	Long term maint.
63	Bheramara HVDC Interconnector		India		500	500	238	438	244	452				
64a	Khulna ST 110MW	HFO	PDB	1X110	110	55	0	0	0	0			4/11/2014	Unkhown
64b	Khulna ST 60 MW	HFO	PDB	1X60			0	0	0	0			Plant retired in FY 2013-2014	
65	Khulna (KPCL-1)	HFO	IPP	19x6.5	110	110	6	53	6	110				
66	Khulna (KPCL-2)	HFO	QRPP	7x17	115	115	0	99	0	99		16	1 Engine problem	
67	Faridpur Peaking	HFO	PDB	8x6.89	54	54	0	44	0	44		10	1 Engine problem	
68	Khulna 150MW GT	HSD	NWZPGCL	1x150	158	158	50	60	40	0			Reserve	
69	Gopalganj Peaking	HFO	PDB	16x6.98	109	109	0	73	0	73		36	5 Engine problem	
70	Noapara (Quantam)	HFO	RPP	9.9+6x9.5+2x9	101	101	0	0	0	0		101	Long term maint.	
71	Noapara (Khanjahan Ali)	HFO	QRPP	5x8.5	40	40	0	32	0	32		8	1 Engine problem	
72	Khulna (Aggreko) 55MW	HSD	QRPP	71X0.85	55	55	0	0	0	0			Contract date expired	Reserve
	Khulna Area Total				*1517*	*1448*	*294*	*799*	*290*	*810*	*0*	*276*		
73	Barisal GT: Unit-1, 2	HSD	PDB	2X20	40	30	0	0	0	0			Reserve	
74	Bhola (Venture)	Gas	RPP	1X34.50	33	33	19	31	19	31				
	Barisal Area Total				*73*	*63*	*19*	*31*	*19*	*31*	*0*	*0*		
75a	Baghabari GT	Gas	PDB	1X71	71	71	0	0	0	0		71	21/10/2014	Unkhown
75b	Baghabari GT	Gas	PDB	1X100	100	100	0	0	0	0			1/12/2014	Unkhown
76	Baghabari Peaking	HFO	PDB	6x8.9	52	52	0	0	0	48				
77	Westmont GT, Baghabari	Gas	IPP				0	0	0	0			Plant Retired in FY 2013-2014	
78	Bera Peaking	HFO	PDB	9x8.29	71	71	0	57	0	57		14	1 Engine problem	
79	Amnura	HFO	QRPP	7x7.79	50	50	6	6	41	41				
80	Katakhali (Northern)	HFO	QRPP	6x8.92	50	50	0	30	8	50				
81	Katakhali Peaking	HFO	PDB	6x8.7	50	50	0	47	0	47				
82	Sirajganj CCPP	Gas	NWPGCL	1x150+1x75	210	210	215	218	220	210				
83	Santahar Peaking	HFO	PDB	6x8.7	50	50	0	0	0	0			5/12/2014	8/12/2014
84	Bogra (GBB)	Gas	RPP	6X4	20	22	21	22	22	22				
85	Bogra (Energyprima)	Gas	RPP	5x3.3+5x2	20	20	15	15	13	15		5	1 Machine problem	
86	Ullapara (Summit)	Gas	SIPP.REB	4X2.90	11	11	2	8	2	8		3	Synchronized at 33KV, 1 Machine problem	
87	Rajlanka 52 MW	HFO	IPP	6X8.92	52	52	0	53	0	52				
	Rajshahi Area Total				*807*	*809*	*259*	*456*	*306*	*550*	*0*	*93*		
88a	Barapukuria ST: Unit-1	Coal	PDB	1x125	125	100	0	0	0	0		100	29/11/2014	Unkhown
88b	Barapukuria ST: Unit-2	Coal	PDB	1x125	125	100	91	93	93	93		7	Machine problem	
89	Rangpur GT	HSD	PDB	1X20	20	20	0	0	0	0			Reserve	
90	Syedpur GT	HSD	PDB	1X20	20	20	0	0	0	0			Reserve	
91	Thakurgaon (RZ)	HSD	RPP	20X1.5+21X1.1	47	40	0	0	0	0			Contract date expired	Reserve
	Rangpur Area Total				*327*	*280*	*91*	*93*	*93*	*93*	*0*	*107*		
	Total				*10648*	*10053*	*3800*	*5477*	*3943*	*5813*	*1036*	*1675*		
	Useable load at Substation end after deducting Auxiliary use & Transmission loss						*3142*	*4962*	*3260*	*4804*				

A. 5-Dec-14 (Yesterday) Friday

1	Highest Generation :	5477.0	MW at	18:30	hrs	11 Evening Peak Hour :	18:30	hrs.	
2	Minimum Generation :	3277.0	MW at	5:00	hrs	12 Max. Demand (Generation end) at evening peak hour :	5477	MW	
3	BW peak Generation :	3800.0	MW at	12:00	hrs	13 Max. Demand (Substation end) at evening peak hour :	4962	MW	
4	Evening peak Generation :	5477.0	MW at	18:30	hrs	14 Load Shed (Substation end) at evening peak hour :	0	MW	

5 Total Energy Generation : 98.25 MKWHr
By Gas: 78.02 MKWHr By Oil: 10.54 MKWHr
By Coal: 2.18 MKWHr By Hydro: 0.88 MKWHr

15. Area wise Demand (S/S end), Supply (S/S end) & Load Shed (S/S end) at Evening peak hour in MW :

Area	Demand	Supply	Loadshed	(Duration)
Dhaka	1815	1815	0	
Chittagong	532	532	0	
Khulna	609	609	0	
Rajshahi	555	555	0	
Comilla	397	397	0	
Mymensingh	348	348	0	
Sylhet	252	252	0	
Barisal	126	126	0	
Rangpur	328	328	0	
Total	4962	4962	0	

16 Hourly Load Shed during Evening Peak hours :

Time	Loadshed
Hour	MW
18:00	0
18:30	0
19:00	0
19:30	0
20:00	0
21:00	0
22:00	0
23:00	0

6 Generation Shortfall : For Gas: 1036 For Oil: 0 MW
For Water Shortage: 0 MW
For Plants S/D or M/C prob: 1675 MW

7 Total Gas Supplied : 739.21 MMCFD

8 Fuel Cost : i) Gas : 3 58395592 ii) Oil : Taka 142314975
iii) Coal : Taka 8476348 Total Taka 209186915

9 Export Through E-W Interconnectors : i) Energy 7.867 MKWHr.
ii) During Peak Demand : -530 MW at 18:30 hrs
iii) Maximum : -215 MW at 14:00 hrs

10 Maximum Temperature in Dhaka was 29.0° C

B. 6-Dec-14 (Today) Saturday Probable max. temperature in Dhaka 29.0° C

Forecast

1	Maximum Demand (Generation end)	5700	MW
2	Maximum Generation (Generation end)	5813	MW
3	Shortage (Generation end)	-113	MW
4	Total Energy Generation	98	MKWHr
5	Actual Minimum Generation up to 8:00 hrs.	3079	MW at 4:00

6 Total Load Shed forecast (Substation end) : 0 MW

7 Area wise Load Shed forecast (Substation end) :

Dhaka	Chittagong	Khulna	Rajshahi	Comilla	Mymensingh	Sylhet	Barisal	Rangpur
MW	MW	MW	MW	MW	MW	MW	MW	MW
0	0	0	0	0	0	0	0	0

* Import Through HVDC C/B Interconnector : i) Energy 6.635636 MKWHr.
ii) During peak Demand : 438 MW at 18:30 hrs
iii) Maximum : 442 MW at 20:00 hrs

Cost for HVDC energy is not usaually included in the total fuel cost.

Sub Divisional Engineer
Network Operation Division

Executive Engineer
Network Operation Division