POWER GRID COMPANY OF BANGLADESH LTD. QF-LDC-07

SUMMARY OF DAILY ELECTRICITY GENERATION

Month : Sep-2014 Day : Thursday Date : 25-Sep-14

Probable Maximum Generation : (a) At Day Peak Hour : 5294 MW (b) At Evening Peak Hour : 6350 MW

Water Level of Kaptai Lake at 06:00 AM (ft) (a) Yesterday : 101.10 ft (b) Today: 101.47 ft (c) Rule Curve: 104.56

Sl.	Name of the Power Station	Fuel	Producer	Instslled Capacity		Derated/ Present Capacity	Actual Generation On 24-Sep-14 Day Peak	Actual Generation On 24-Sep-14 Ev. Peak	Available Generation On 25-Sep-14 Day Peak	Available Generation On 25-Sep-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	47	47	47	47		38	#1(11/09/2014)	Unkhown
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	180	180	110	180				
1d	Ghorasal ST: Unit-5	Gas	PDB	1x210	210	190	190	190	190	190				
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	0	0	0	0	100		8/9/2014	2/10/2014
3	Ghorashal 45MW (Aggreko)	Gas	QRPP	58X0.85	45	45	46	47	46	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.	
5	Ghorashal (Regent)	Gas	IPP	34x3.35	108	108	109	107	99	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(18/6/09	#3 long term maint.
7	Haripur 412 MW CCPP	Gas	EGCB	1x273+1x139	412	412	428	413	416	412				
8	Haripur NEPC (HFO)	HFO	IPP	8x15	110	110	96	96	82	96		14		
9	Haripur Power CCPP	Gas	IPP	1*235+1*125	360	360	213	225	193	225	135			
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	80	83	80	88		17	1 Engine problem	
12	Meghnaghat CCPP(Summit)	HSD	IPP	2x110+1x110	203	203	108	163	104	203				
13	Madanganj (Summit)	HFO	QRPP	6x17	102	100	74	79	79	80		21	1 Engine problem	
14	Keraniganj (Powerpac)	HFO	RPP	8x13.45	100	100	100	100	100	100				
15	Narshingdi (Doreen)	Gas	SIPP,REB	8X2.90	22	22	16	16	16	16		6	Synchronized at 33KV, 2 Machine problem	
16a	Siddhirgonj ST	Gas	PDB	1x210	210	150	105	105	100	105	45			
16b	Siddhirgonj GT: Unit-1& 2	Gas	EGCB	2x105	210	210	0	0	0	0	210		13/09/2014	Unkhown
17	Siddhirganj (Desh)	HSD	QRPP	96x1.2	96	98	67	82	68	80		16	15 Engine problem	
18	Siddhirganj (Dutch Bangla	HFO	RPP	12x8.9	100	100	83	83	75	83		17	2 Engine problem	
19	Pagla (DPA)	HSD	QRPP	100X0.5	50	50	41	51	52	50			Contract date expired.	
20	Gagnagar (Orion)	HFO	IPP	12*8.924	102	102	95	102	96	102				
21	Summit Power, Dhaka	Gas	SIPP,REB	.67+2*6.97+14*	146	146	108	79	93	88			Synchronized at 33KV	
22	Gazipur (RPCL)	HFO	IPP	6x8.9	52	52	41	41	41	41		11	1 Engine problem	
23	Tongi GT	Gas	PDB	1X 105	105	105	0	0	0	0	105			
	Dhaka Area Total				*4307*	*4076*	*2337*	*2399*	*2197*	*2448*	*635*	*860*		
24a	Chittagong ST: Unit-1	Gas	PDB	1x210	210	180	0	0	0	0	180		13/8/2014	Unknown
24b	Chittagong ST: Unit-2	Gas	PDB	1x210	210	180	0	0	0	0	180		25/08/2014	Unknown
25	Raozan 25 MW (RPCL)	HFO	IPP	3x8.9	25	25	26	26	26	25				
26	Patenga 50MW (Barakatulla	HFO	IPP	8x6.89	50	50	50	50	49	50				
27	Kaptai Hydro: Unit-1,2,3,4, 5	Hydro	PDB	2X40, 3X50	230	230	164	236	235	236				
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		7/9/2014	Unknown
29	Sikalbaha (Energis	HFO	RPP		26	26	26	34	33	26				
30	Hathazari peaking	HFO	PDB	11x8.9	98	98	0	78	0	80			2 Engine problem	
31	Dohazari-Kalaish Peaking	HFO	PDB	6x17	102	102	0	102	0	102				
32	Juldah (Acorn)	HFO	QRPP	8x13.45	100	100	21	21	21	21		79	6 Engine problem	
33	Barabkunda (Regent)	Gas	SIPP,PDB	8X2.90	22	22	22	22	22	22			Synchronized at 33KV	
34	Malancha, Ctg. EPZ (United)	Gas					2	44	9	42				
	Chittagong area Total				*1283*	*1203*	*311*	*613*	*395*	*604*	*550*	*79*		
35a	Ashuganj ST: Unit- 1 & 2	Gas	APSCL	2x64	128	97	0	0	0	0		97	#1(23/08/2014)#2(24/09/14)	Unknown
35b	Ashuganj ST: Unit- 3	Gas	APSCL	1x150	150	135	130	120	0	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	130	130	130	130				
35e	Ashuganj CCPP: GT-2	Gas	APSCL	1x56	56	40	0	0	0	0		40	22/09/2014	25/09/2014
35f	Ashuganj Engines	Gas	APSCL	14x3.968	53	45	44	41	36	44		4	1 Machine problem	
36	Ashuganj (Precision)	Gas	RPP	15x4	55	55	14	16	52	16	39			
37	Ashuganj (Aggrekko)	Gas	QRPP	82x1.1	80	80	46	54	83	54	26			
38	Ashuganj (United)	Gas	QRPP	14x4	53	53	53	53	53	53				
39	Ashuganj (Midland)	Gas	IPP	6x9.34	51	51	44	44	53	44				
40	Brahmanbaria (Aggreko)	Gas	QRPP	72x1.10	70	70	85	85	85	85				
41	Titas (Daudkandi) Peaking	HFO	PDB	6x8.92	52	52	0	33	0	33			2 Engine problem	
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	13	15	13	15		7	2 Machine problem	
44	Feni, Mohipal (Doreen)	Gas	SIPP,REB	4X2.90	11	11	11	11	5	11			Synchronized at 33KV	
45	Jangalia (Summit)	Gas	SIPP,PDB	4X8.73	33	33	26	26	26	26		7	Synchronized at 33KV, 1 Machine problem	
46	Summit Power, Comilla	Gas	SIPP,REB	3x3.67+2x6.97	25	25	15	15	15	15		10	Synchronized at 33KV, 3 Machine problem	
	Comilla Area Total				*1302*	*1195*	*751*	*783*	*691*	*796*	*228*	*165*		
47	RPCL CCPP	Gas	IPP	4X35+1x70	210	202	120	103	97	103	99			
48	Tangail (Doreen)	Gas	SIPP, PDB	8X2.90	22	22	22	22	22	22		0	Synchronized at 33 kV, 8 Machine problem	
	Mymensingh Area Total				*232*	*224*	*142*	*125*	*119*	*125*	*99*	*7*		
49a	Fenchugonj CCPP-1	Gas	PDB	2x32+1x33	97	80	71	73	75	73		7		
49b	Fenchugonj CCPP-2	Gas	PDB	2x35+1x35	104	90	30	60	60	60		30		
50	Fenchugonj (Barakatullah	Gas	RPP	19X2.90	51	51	46	44	41	44				
51	Fenchuganj (Energyprima)	Gas	RPP	12x3.3+5x2	44	44	41	46	43	44				
52	Hobiganj (Confidence-EP)	Gas	SIPP, REB	4X2.90	11	11	11	11	11	11			Synchronized at 33KV	
53	Shahjibazar GT: Unit- 8, 9	Gas	PDB	2X35	70	66	66	70	68	66				
54	Shahjibazar (Shahjibazar	Gas	RPP	32X2.90	86	86	81	84	81	84				
55	Shahjibazar (Energyprima)	Gas	RPP	27X2.0	50	50	48	47	48	48				
56	Sylhet 150 MW GT	Gas	PDB	1X142	142	142	141	144	141	142				
57	Sylhet 20 MW GT	Gas	PDB	1X20	20	20	0	20	20	20				
58	Sylhet (Energyprima)	Gas	RPP	27X2	50	50	42	46	44	46		4	2 Machine problem	
59	Shahjahanulla 25 MW	Gas	CIPP, REB	3x9.34	25	25	16	16	5	16			1 Engine problem	
60	Sylhet (Desh)	Gas	RPP	6X1.95	10	10	9	10	10	10				
	Sylhet Area Total				*760*	*725*	*602*	*671*	*647*	*664*	*0*	*41*		
61	Bheramara GT: Unit- 1, 2 ,3	HSD	PDB	3X20	60	46	0	46	0	46				
62	Bheramara (Quantum)	HSD	RPP	2X8.5+2X6+2X	105	105	0	0	0	0		105	16 Engine problem	Long term maint.
63	Bheramara HVDC Interconnector		India		500	500	401	264	403	258				
64a	Khulna ST 110MW	HFO	PDB	1X110	110	55	0	0	0	0		55	15/09/2014	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	101	110	11	110				
66	Khulna (KPCL-2)	HFO	QRPP	7x17	115	115	115	99	83	99			1 Engine problem	
67	Faridpur Peaking	HFO	PDB	8x6.89	54	54	0	42	18	42		12	2 Engine problem	
68	Khulna 150MW GT	HSD	NWZPGCL	1x150	158	158	155	162	161	158				
69	Gopalganj Peaking	HFO	PDB	16x6.98	109	109	34	90	0	90		19	2 Engine problem	
70	Noapara (Quantam)	HFO	RPP	x9.9+6x9.5+2x9	101	101	0	0	0	0		101	Long term maint.	
71	Noapara (Khanjahan Ali)	HFO	QRPP	5x8.5	40	40	32	32	32	40				
										37				
72	Khulna (Aggreko) 55MW	HSD	QRPP	71X0.85	55	55	36	37	57	37			Contract date expired	
	Khulna Area Total				*1517*	*1448*	*874*	*882*	*765*	*917*	*0*	*292*		
73	Barisal GT: Unit-1, 2	HSD	PDB	2X20	40	30	0	0	0	15		30	#1(17/09/2014)	
74	Bhola (Venture)	Gas	RPP	1X34.50	33	33	24	33	10	33				
	Barisal Area Total				*73*	*63*	*24*	*33*	*10*	*48*	*0*	*30*		
75a	Baghabari GT	Gas	PDB	1X71	71	71	69	70	70	70				
75b	Baghabari GT	Gas	PDB	1X100	100	100	93	99	96	100	1			
76	Baghabari Peaking	HFO	PDB	6x8.9	52	52	16	42	0	42			1 Engine problem	
77	Westmont GT, Baghabar	Gas	IPP				0	0	0	0			Plant Retired in FY 2013-2014	
78	Bera Peaking	HFO	PDB	9x8.29	71	71	0	51	0	50		20	3 Engine problem	
79	Amnura	HFO	QRPP	7x7.79	50	50	34	34	35	34		16	2 Engine problem	
80	Katakhali (Northern)	HFO	QRPP	6x8.92	50	50	42	42	42	42			1 Engine problem	
81	Katakhali Peaking	HFO	PDB	6x8.7	50	50	0	47	0	47				
82	Sirajganj CCPP	Gas	NWPGCL	1x150+1x75	210	210	0	0	0	0			23/09/14	27/09/14
83	Santahar Peaking	HFO	PDB	6x8.7	50	50	0	46	0	46				
84	Bogra (GBB)	Gas	RPP	6X4	20	22	22	22	21	22				
85	Bogra (Energyprima)	Gas	RPP	5x3.3+5x2	20	20	14	17	14	17				
86	Ullapara (Summit)	Gas	SIPP,REB	4X2.90	11	11	7	7	0	7			Synchronized at 33KV	
87	Rajlanka 52 MW	HFO	IPP	6X8.92	52	52	9	44	8	44		8	3 Engine problem	
	Rajshahi Area Total				*807*	*809*	*306*	*521*	*286*	*521*	*1*	*44*		
88a	Barapukuria ST: Unit-1	Coal	PDB	1x125	125	100	90	91	88	91		9		
88b	Barapukuria ST: Unit-2	Coal	PDB	1x125	125	100	81	81	82	81		19		
89	Rangpur GT	HSD	PDB	1X20	20	20	0	20	0	20				
90	Syedpur GT	HSD	PDB	1X20	20	20	0	17	0	17				
91	Thakurgaon (RZ)	HSD	RPP	20X1.5+21X1.1	47	40	17	20	14	18		20	20 Engine problem	
	Rangpur Area Total				*337*	*280*	*188*	*229*	*184*	*227*	*0*	*48*		
	Total				**10618**	**10023**	**5535**	**6256**	**5294**	**6350**	**1513**	**1566**		
	Useable load at Substation end after deducting Auxiliary use & Transmission loss						4862	5615	4650	5577				

A. 24-Sep-14 (Yesterday) Wednesday

1	Highest Generation :	6256.0 MW at	21:00	hrs
2	Minimum Generation :	4750.0 MW at	7:00	hrs
3	Day peak Generation :	5535.0 MW at	11:00	hrs
4	Evening peak Generation :	6256.0 MW at	21:00	hrs
5	Total Energy Generation :	131.41 MKWHr		
	By Gas: 78.11 MKWHr	By Oil: 36.80 MKWHr		
	By Coal: 3.97 MKWHr	By Hydro: 3.71 MKWHr		
6	Generation Shortfall :	For Gas: 1513 For Oil: 0 MW		
		For Water Shortage: 0 MW		
		For Plants S/D or M/C prob: 1566 MW		
7	Total Gas Supplied :	771.27 MMCFD		
8	Fuel Cost : i) Gas : Taka 62836106	ii) Oil : Taka 490799032		
	iii) Coal : Taka 15468361	Total Taka 569103499		
9	Export Through E-W Interconnectors :	i) Energy 7.867 MKWHr.		
	ii) During Peak Demand : -230	MW at 21:00 hrs		
	iii) Maximum : 50	MW at 17:00 hrs		
10	Maximum Temperature in Dhaka was	31.8° C		

11	Evening Peak Hour :	21:00	hrs.
12	Max. Demand (Generation end) at evening peak hour :	6700	MW
13	Max. Demand (Substation end) at evening peak hour :	6015	MW
14	Load Shed (Substation end) at evening peak hour :	400	MW

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	2443	2319	124	(18:31-23:50)
Chittagong	580	524	56	(18:31-23:50)
Khulna	730	668	62	(18:31-23:50)
Rajshahi	665	606	59	(18:31-23:50)
Comilla	450	419	31	(18:31-23:50)
Mymensingh	365	337	28	(18:31-23:50)
Sylhet	310	310	0	
Barisal	152	142	10	(18:31-23:50)
Rangpur	320	290	30	(18:31-23:50)
Total	6015	5615	400	

16 Hourly Load Shed during Evening Peak hours :

Time Hour	Loadshed MW
18:00	0
18:30	0
19:00	292
19:30	471
20:00	430
21:00	399
22:00	396
23:00	232

EWIC
160
60
-10
-30
-20
-60
Loadshed
0.0%
0.0%
0.0%
0.0%
0.0%
0.0%
0.0%
0.0%
0.0%

B. 25-Sep-14 (Today) Thursday Probable max. temperature in Dhaka 31.8° C

Forecast

1	Maximum Demand (Generation end)	6800	MW
2	Maximum Generation (Generation end)	6350	MW
3	Shortage (Generation end)	450	MW
4	Total Energy Generation	131	MKWHr
5	Actual Minimum Generation up to 8:00 hrs.	4746	MW at 7:00

6 Total Load Shed forecast (Substation end) : 395 MW

7 Area wise Load Shed forecast (Substation end) : L/S

Dhaka	Chittagong	Khulna	Rajshahi	Comilla	Mymensingh	Sylhet	Barisal	Rangpur
MW	MW	MW	MW	MW	MW	MW	MW	MW
103	50	54	53	37	31	25	11	31

* Import Through HVDC C/B Interconnector :	i) Energy 8.809455	MKWHr.
ii) During peak Demand :	401 MW at	21:00 hrs
iii) Maximum :	406 MW at	1:00 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