QF-LDC-07

POWER GRID COMPANY OF BANGLADESH LTD.

SUMMARY OF DAILY ELECTRICITY GENERATION

Month : Feb-2014 Day : Thursday Date : 13-Feb-14

Probable Maximum Generation : (a) At Day Peak Hour : 4893 MW (b) At Evening Peak Hour : 6210 MW

Water Level of Kaptai Lake at 06:00 AM ft (a) Yesterday : ft 91.36 ft ft (b) Today: 91.28 ft (c) Rule Curve: 95.32 ft

Sl.	Name of the Power Station	Fuel	Producer	Instslled Capacity		Derated/ Present Capacity	Actual Generation On 12-Feb-14 Day Peak	Actual Generation On 12-Feb-14 Ev. Peak	Available Geneneration On 13-Feb-14 Day Peak	Available Geneneration On 13-Feb-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 1 & 2	Gas	PDB	2X55	110	78	94	94	94	94				
1b	Ghorasal ST 3	Gas	PDB	1x210	210	180	110	110	110	110		70		
1c	Ghorasal ST 4	Gas	PDB	1x210	210	180	0	0	0	0		180	6/2/2014	14/2/2014
1d	Ghorasal ST 5	Gas	PDB	1x210	210	190	190	190	190	190				
1e	Ghorasal ST 6	Gas	PDB	1x210	210	190	0	0	0	0		190	#6(18/07/1c	Unknown
2	Ghorashal 100 MW	Gas	QRPP 3yrs	128X0.85	100	100	98	102	100	100				
3	Ghorashal 45 MW	Gas	QRPP 3yrs	50X0.85	45	45	46	46	45	45			Synchronized at 33KV	
4	Ghorashal MAX	Gas	RPP	4x19.6	78	78	0	0	0	0		78	4 Machine problem	
5	Haripur SBU GT 1, 2 & 3	Gas	SBU,PDB	3x32	96	60	0	0	0	0	40	20	#1 & #2 (22/10/13), #3(1	Unkhown
6	Haripur EGCB 360 MW	Gas	EGCB		412	412	430	376	375	0			On test	
7	Haripur NEPC	HFO	IPP	8x15	110	110	95	110	65	110				
8	Haripur P. Ltd CCPP	Gas	IPP	235+125	360	360	216	197	217	360	163			
9	Meghnaghat P.Ltd CCPP	Gas	IPP	3X150	450	450	450	420	450	450	30			
10	Meghnaghat IEL	HFO	RPP	12x8.9	100	100	89	88	89	90		20	2 Machine problem.	
11	Madanganj 102 MW	HFO	QRPP 3yrs	6x17.08	102	100	81	100	81	100				
12	Keraniganj	HFO	RPP	8x14.4	100	100	92	101	101	100				
13	Narshingdi	Gas	SIPP,REB	8X2.90	22	22	17	18	14	17		4	Synchronized at 33KV, 1 Machine problem	
14a	Siddhirgonj ST	Gas	PDB	1x210	210	150	0	0	0	0	150			
14b	Siddhirgonj GT-1, 2	Gas	EGCB	2x120	210	210	0	0	0	50	210			
15	Siddhirganj 100MW	HSD	QRPP 3yrs	96x1.2	96	96	0	91	0	95		5	5 Machine problem.	
16	Dutch Bangla 100 MW	HFO	RPP	12x8.9	100	100	101	101	100	100				
17	DPA Power 50MW	HSD	QRPP 3yrs	100X0.5	50	50	50	50	0	50			Expired, run as per instruction of DS (Gen)	
18	Summit Power (Dhaka)	Gas	SIPP,REB		146	146	102	105	101	105			Synchronized at 33KV	
19	Gazipur RPCL	HFO	IPP	6x8.9	52	52	38	43	2	43		9	1 Machine problem	
20	Tongi GT	Gas	PDB	1X 105	105	105	0	0	0	0	105			
	Dhaka Area Total				***3894***	***3664***	***2299***	***2342***	***2134***	***2209***	698	576		
21a	Chittagong Raozan ST 1	Gas	PDB	1x210	210	180	0	0	0	0	180		15/08/2013	Unknown
21b	Chittagong Raozan ST 2	Gas	PDB	1x210	210	180	0	0	0	0	180		31/07/2013	Unkhown
22	Raozan 25 MW	HFO	RPCL	3*8.9	25	25	17	17	17	17				
23	Kaptai Hydro unit 1,2,3,4 & 5		PDB	2X40+3X50	230	220	30	46	46	46				
24a	Sikalbaha ST	Gas	PDB	1X60	60	40	0	0	0	0	40		7/11/2013	Unknown
24b	Sikalbaha GT	Gas	PDB	1x150	150	150	0	0	0	0	150		24/01/2014	Unknown
25	Sikalbaha	HFO	RPP 3yrs	4X12.5+2X11.9	0	0	0	0	0	0			contract date expired 06/05/2013	
26	Hathazari	HFO	PDB	11x8.9	98	98	0	98	0	98				
27	Dohazari	HFO	PDB	6x17	102	102	0	102	0	102				
28	Juldah	HFO	RPP	8x13.45	100	100	82	95	93	95		5		
29	Barabkunda	Gas	SIPP,PDB	8X2.90	22	22	13	13	12	13		9	Synchronized at 33KV, 3 Machine problem	
30	Malancha,Ctg EPZ	Gas					3	13	8	13				
	Chittagong area Total				***1207***	***1117***	***145***	***384***	***176***	***384***	550	14		
31a	Ashuganj ST 1 & 2	Gas	APSCL	2x64	128	110	0	0	0	0		110	# 2 (25/01/2014) # 1(10/02/14)	Unkhown
31b	Ashuganj ST 3	Gas	APSCL	1x150	150	140	140	140	140	140				
31c	Ashuganj ST 4	Gas	APSCL	1x150	150	150	140	140	140	140				
31d	Ashuganj ST 5	Gas	APSCL	1x152	150	140	140	140	140	140		140		
31e	Ashuganj CCPP	Gas	APSCL	2x56+34	146	91	40	40	40	40	35	16	ST(08/09/2013), #1 (06/01/2014)	Unkhown
31f	Ashuganj 50 MW TSK	Gas	APSCL	16x3.35	53	51	25	30	30	30		21	6 Machine problem	
32	Ashuganj Precision	Gas	RPP 3yrs	15x4	55	55	49	53	50	53				
33	Ashuganj Aggrekko	Gas	RPP	82x1.1	80	80	81	82	79	80				
34	Ashuganj UP-53 MW	Gas	RPP	14x4	53	53	48	45	49	53				
35	Ashuganj Midland	Gas	IPP	6x9.34	51	51	54	53	53	51				
36	Brahmanbaria 70MW	Gas	QRPP 3yrs	72x1	70	70	70	72	68	70				
37	Daudkandi 50 MW	FO	PDB	6x8.92	52	52	0	50	0	50				
38	Chandpur CCPP	Gas	PDB	1x106+1x57	163	163	0	0	0	0	163			
39	Feni	Gas	SIPP,PDB	8X2.90	22	22	20	14	17	14		8	3 Machine problem	
40	Mahipal,Feni	Gas	SIPP,REB	4X2.90	11	11	11	11	11	11			Synchronized at 33KV	
41	Jangalia	Gas	SIPP,PDB	4X8.73	33	33	25	25	25	25		8	1 Machine problem. Synchronized at 33KV	
42	Summit Power (Comilla)	Gas	SIPP,REB	3x3.67+2x6.97	25	25	20	0	18	20		25	Synchronized at 33KV,5 Machine problem	
	Comilla Area Total				***1392***	***1297***	***863***	***895***	***860***	***917***	198	328		
43	RPCL CCPP,Mymensing	Gas	IPP	4X35+1x70	210	197	156	155	156	155	42			
44	Tangail	Gas	SIPP,PDB	8X2.90	22	22	17	19	15	19		3	Synchronized at 33KV, 1 Machine problem.	
	Mymensing Area Total				***232***	***219***	***173***	***174***	***171***	***174***	42	3		
45a	Fenchugonj CCPP (old)	Gas	PDB	2x32+1x33	97	90	39	40	40	40		50	GT #1 (17/01/2014)	Unkhown
45b	Fenchugonj CCPP (new)	Gas	PDB	2x35+1x35	104	104	95	95	95	95		9		
46	Fenchugonj BEDL	Gas	RPP 15yrs	19X2.90	51	51	44	47	44	47				
47	Fenchuganj Prima 50 MW	Gas	RPP	12x3.3+5x2	44	44	47	47	44	47				
48	Hobiganj	Gas	SIPP,REB	4X2.90	11	11	10	10	10	10			Synchronized at 33KV	
49	Shahjibazar GT 8,9	Gas	PDB	2X35	70	66	32	20	33	33			#9 (03/02/2014)	17/02/2014
50	Shahjibazar 86 MW	Gas	RPP 15yrs	32X2.90	86	86	73	73	72	73		13	4 Machine problem	
51	Shahjibazar 50 MW	Gas	RPP 3yrs	27X2.0	50	50	45	47	47	47				
52	Sylhet 150 MW	Gas	PDB	1x150+1x75	142	142	123	89	143	142				
53	Sylhet GT	Gas	PDB	1X20	20	20	21	21	21	20				
54	Sylhet 50MW	Gas	RPP 3yrs	29x1.95	50	50	41	43	0	43		7	3 Machine problem	
55	Shahjahanulla 25MW	Gas	CIPP	3x9.34	25	25	9	22	9	22				
56	Sylhet 11 MW	Gas	RPP 15yrs	6X1.95	10	10	8	8	9	8				
	Sylhet Area Total				***760***	***749***	***587***	***562***	***567***	***627***	*0*	79		
57	Bheramara GT 1, 2 & 3	HSD	PDB	3X20	60	46	0	0	0	46				
58	Bheramara	HSD	RPP 3yrs	2X8.5+2X6+2X1	105	105	0	0	0	0		105	14 Machine problem. & oil shortage	Unknown
59	HVDC C/B Interconnector		India		500	500	0	467	472	478				
60a	Khulna ST 110MW	FO	PDB	1X110	110	55	0	0	0	0		55	3/12/2013	Unknown
60b	Khulna ST 60 MW	FO	PDB	1X60	60	30	0	0	0	0		30	24/01/12	Unknown
61	KPCL ,Khulna.	HFO	IPP	19x6.5	110	110	5	108	5	108				
62	KPCL ,Khulna.(new)	HFO	IPP	7x17	115	115	83	99	99	99		15	1 Machine problem	
63	Faridpur	FO	PDB	8x6.89	54	54	0	50	0	50				
64	Khulna 150MW	HSD	NWZPGCL	1x150	150	150	162	105	0	150				
65	Gopalganj 110 MW	HFO	PDB	16x6.98	109	109	0	95	0	95		8	1 Machine problem.	
66	Noapara (105 MW)Quantam	HFO	RPP	9x5+9.5x6+9.2x	101	101	0	0	0	0		101	13 Machine problem	
67	Noapara (40 MW),KZA	HFO	RPP	5x8	40	40	40	40	40	40				
68	Khulna 40 MW	HSD	RPP 3yrs	50X0.80	40	40	0	0	0	0			Contact date expired 16/08/13	
69	Khulna 55 MW	HSD	QRPP 3yrs	71X0.85	55	55	28	0	0	55			Expired , run as per instr. of DS (Gen)	
	Khulna Area Total				***1609***	***1510***	***318***	***964***	***616***	***1121***	*0*	314		
70	Barisal GT 1 & 2	HSD	PDB	2X20	40	32	0	15	0	15		15	#2 (09/01/2014)	Unkhown
71	Bhola	Gas	RPP 3yrs	1X34.50	33	33	0	0	0	0		33	10/8/2013	Unknown
	Barisal Area Total				***73***	***65***	***0***	***15***	***0***	***15***	*0*	48		
72a	Baghabari GT 1	Gas	SBU,PDB	1X71	71	71	73	73	75	71				
72b	Baghabari GT 2	Gas	SBU,PDB	1X100	100	100	103	80	108	100				
73	Baghabari 50 MW	HFO	PDB	6x8.9	52	52	0	47	0	50				
74	Baghabari Westmont	Gas	IPP	2X45	90	70	0	0	0	0		70	#1(1/5/12),#2(24/4/13)	Unknown
75	Bera 70 MW	HFO	PDB	9x8.29	71	71	0	71	0	71				
76	Amnura 50 MW	HFO	RPP	7x7.79	50	50	2	50	2	50				
77	Katakhali NPS 50 MW	HFO	RPP	6x8.92	50	50	43	50	8	50				
78	Katakhali PPP 50 MW	HFO	PDB	6x8.7	50	50	0	48	0	50				
79	Sirajganj 150 MW	Gas	NWPGCL	1x150	150	150	0	0	0	0		150	9/2/2014	23/2/14
80	Santahar 50 MW	HFO	PDB	6x8.7	50	50	0	46	0	46				
81	Bogra GBB	Gas	RPP 15yrs	6X4	20	22	22	22	22	22			Synchronized at 33KV	
82	Bogra 20MW	Gas	RPP 3yrs	5x3.3+5x2	20	20	12	15	14	15		5	2 Machine problem	
83	Summit Power (Ullapara)	Gas	SIPP,REB	4X2.90	11	11	8	8	8	8		3	Synchronized at 33KV, 1 Machine problem	
84	Rajlanka 52 MW	FO	IPP				52	52	0	52				
	Rajshahi Area Total				***785***	***767***	***315***	***562***	***237***	***585***	*0*	228		
85a	Barapukuria ST 1	Coal	PDB	1x125	125	100	0	0	0	0			#1 (12/02/14)	14/02/14
85b	Barapukuria ST 2	Coal	PDB	1x125	125	100	97	96	95	96				
86	Rangpur GT	HSD	PDB	1X20	20	20	0	0	0	20				
87	Sayadpur GT	HSD	PDB	1X20	20	20	0	0	0	20				
88	Thakurgaon	HSD	RPP 3yrs	20X1.5+21X1.1	47	47	38	37	37	42			expired , run as per instr. of DS (Gen)	
	Rangpur Area Total				***337***	***287***	***135***	***133***	***132***	***178***	***0***	***0***		
	Total				**10289**	**9675**	**4835**	**6031.0**	**4893**	**6210**	**1488**	**1590**		
	Useable load at Substation end after deducting Auxiliary use & Transmission loss						4489	5599	4543	5765				

A. 12-Feb-14 (Yesterday) Wednesday

1	Highest Generation :	6031.0	MW	at	19:00	hrs
2	Minimum Generation :	3528.0	MW	at	5:00	hrs
3	Day peak Generation :	4835.0	MW	at	9:00	hrs
4	Evening peak Generation :	6031.0	MW	at	19:00	hrs
5	Total Energy Generation :	106.36	MKWHr			
	By Gas: 76.50 MKWHr		By Oil:	17.55	MKWHr	
	By Coal: 3.00 MKWHr		By Hydro:	0.83	MKWHr	
6	Generation Shortfall :	For Gas: 878	For Oil:	760	MW	
		For Water Shortage:		0	MW	
		For Plants S/D or M/C prob:		1590	MW	
7	Total Gas Supplied :	727.63	MMCFD			
8	Fuel Cost : i) Gas :	Taka 58104159	ii) Oil : Taka		140365799	
	iii) Coal :	Taka 12279568	Total	Taka	210749526	
9	Export Through E-W Interconnectors :		i) Energy	9.928	MKWHr.	
	ii) During Peak Demand :	150	MW at	19:00	hrs	
	iii) Maximum :	380	MW at	7:00	hrs	
10	Maximum Temperature in Dhaka was	27.4° C				

11 Evening Peak Hour : 19:00 hrs.

12 Max. Demand (Generation end) at evening peak hour : 6031 MW

13 Max. Demand (Substation end) at evening peak hour : 5599 MW

14 Load Shed (Substation end) at evening peak hour : 0 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	2067	2067	0	
Chittagong	609	609	0	
Khulna	626	626	0	
Rajshahi	685	685	0	
Comilla	439	439	0	
Mymensing	402	402	0	
Sylhet	273	273	0	
Barisal	122	122	0	
Rangpur	376	376	0	
Total	5599	5599	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

B. 13-Feb-14 (Today) Thursday Probable max. temperature in Dhaka **27.4° C**

Forecast

1	Maximum Demand (Generation end)	6150	MW		
2	Maximum Generation (Generation end)	6210	MW		
3	Shortage (Generation end)	-60	MW		
4	Total Energy Generation	106	MKWHr		
5	Actual Minimum Generation up to 8:00 hrs.	3408	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	Mymensing	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	8.487273	MKWHr.
ii) During peak Demand :	467 MW	at	19:00 hrs	
iii) Maximum :	472 MW	at	8:00 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