QF-LDC-07

POWER GRID COMPANY OF BANGLADESH LTD.

SUMMARY OF DAILY ELECTRICITY GENERATION

Month : Apr-2014 Day : 0 Date : 2-Apr-14

Probable Maximum Generation : (a) At Day Peak Hour : 6040 MW (b) At Evening Peak Hour : 7001 MW

Water Level of Kaptai Lake at 06:00 AM (ft) (a) Yesterday : 85.97 (b) Today: 85.66 (c) Rule Curve: 87.80

Sl.	Name of the Power Station	Fuel	Producer	Installed Capacity		Derated/ Present Capacity	Actual Generation On 1-Apr-14 Day Peak	Actual Generation On 1-Apr-14 Ev. Peak	Available Generation On 2-Apr-14 Day Peak	Available Generation On 2-Apr-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	42	42	40	42				
1b	Ghorasal ST 3	Gas	PDB	1x210	210	180	110	110	110	110				
1c	Ghorasal ST 4	Gas	PDB	1x210	210	180	160	160	160	160		180		
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(18/07/10)	Unknown
2	Ghorashal 100 MW	Gas	QRPP 3yrs	128X0.85	100	100	97	105	100	100				
3	Ghorashal 45 MW	Gas	QRPP 3yrs	50X0.85	45	45	44	44	43	45			Synchronized at 33KV	
4	Ghorashal MAX	Gas	RPP	4x19.6	78	78	78	78	78	78				
5	Ghorashal Regent						0	0						
6	Haripur SBU GT 1, 2 & 3	Gas	SBU,PDB	3x32	96	60	0	0	0	0		60	#1 & #2(22/10/13), #3(18/06	Unkhown
7	Haripur EGCB 360 MW	Gas	EGCB		412	412	425	441	315	441			On test	
8	Haripur NEPC	HFO	IPP	8x15	110	110	95	110	95	110				
9	Haripur P. Ltd CCPP	Gas	IPP	235+125	360	360	168	160	440	160	200		Gas shortage	
10	Meghnaghat P.Ltd CCPP	Gas	IPP	3X150	450	450	425	425	210	425	25			
11	Meghnaghat IEL	HFO	RPP	12x8.9	100	100	92	92	92	92		8	1 Machine problem	
12	Meghnaghat Summit						0	0						
13	Madanganj 102 MW	HFO	QRPP 3yrs	6x17.08	102	100	97	97	97	100		3		
14	Keraniganj	HFO	RPP	8x14.4	100	100	101	101	101	100				
15	Narshingdi	Gas	SIPP.REB	8X2.90	22	22	17	17	17	17		5	Synchronized at 33KV, 1 Machine problem	
16a	Siddhirganj ST	Gas	PDB	1x210	210	150	0	0	0	0	150			
16b	Siddhirganj GT-1, 2	Gas	EGCB	2x120	210	210	0	0	0	0	210			
17	Siddhirganj 100MW	HSD	QRPP 3yrs	96x1.2	96	96	72	88	71	90		8	5 Machine problem	
18	Dutch Bangla 100 MW	HFO	RPP	12x8.9	100	100	76	100	92	100				
19	DPA Power 50MW	HSD	QRPP 3yrs	100X0.5	50	50	41	44	43	45			Expired, run as per instruction of DS (Gen)	
20	Gaharnagar						0	0	0	0			On test	
21	Summit Power (Dhaka)	Gas	SIPP.REB		146	146	94	110	110	110			Synchronized at 33KV	
22	Gazipur RPCL	HFO	IPP	6x8.9	52	52	43	43	43	43		9	1 Machine problem	
23	Tongi GT	Gas	PDB	1X 105	105	105	0	0	0	0	105			
	Dhaka Area Total				***3894***	***3664***	***2467***	***2557***	***2447***	***2558***	690	463		
24a	Chittagong Raozan ST 1	Gas	PDB	1x210	210	180	100	110	140	130	70			
24b	Chittagong Raozan ST 2	Gas	PDB	1x210	210	180	0	0	0	0	180		31/07/2013	Unkhown
25	Raozan 25 MW	HFO	RPCL	3x8.9	25	25	25	26	26	26				
26	Patenga 50 MW	HFO	IPP	8x6.9			0	0	0	0			On test	
27	Kaptai Hydro unit 1,2,3,4 & 5		PDB	2X40+3X50	230	220	0	0	0	0				
28a	Sikalbaha ST	Gas	PDB	1X60	60	40	0	0	0	0	40		7/11/2013	Unknown
28b	Sikalbaha GT	Gas	PDB	1x150	150	150	70	50	90	50	100			
29	Sikalbaha	HFO	RPP 3yrs	4X(12.5+2X11.5	0	0	0	0	0	0			contract date expired 06/05/2013	
30	Hathazari	HFO	PDB	11x8.9	98	98	0	98	0	98				
31	Dohazari	HFO	PDB	6x17	102	102	0	102	0	102				
32	Julda	HFO	RPP	8x11.45	100	100	92	102	92	100				
33	Barabkunda	Gas	SIPP.PDB	8X2.90	22	22	16	16	16	16		6	Synchronized at 33KV, 2 Machine problem	
34	Malancha,Ctg EPZ	Gas					0	33	8	33				
	Chittagong area Total				***1207***	***1117***	***303***	***537***	***372***	***555***	390	6		
35a	Ashuganj ST 1 & 2	Gas	APSCL	2x64	128	110	90	50	50	50		60	#1(16/03/14)	Unkhown
35b	Ashuganj ST 3	Gas	APSCL	1x150	150	140	140	140	140	140				
35c	Ashuganj ST 4	Gas	APSCL	1x150	150	150	140	140	140	140				
35d	Ashuganj ST 5	Gas	APSCL	1x152	150	140	120	120	120	120				
35e	Ashuganj CCPP	Gas	APSCL	2x56+34	146	91	40	40	40	40	35	56	ST(08/06/2013), #1 (06/01/2014)	Unknown
35f	Ashuganj 50 MW TSK	Gas	APSCL	16x3.35	53	51	38	40	40	40		11	3 Machine problem	
36	Ashuganj Precision	Gas	RPP 3yrs	15x4	55	55	53	56	56	56				
37	Ashuganj Aggrekko	Gas	RPP	82x1.1	80	80	81	83	80	80				
38	Ashuganj UP-53 MW	Gas	RPP	14x4	53	53	49	49	49	49				
39	Ashuganj Midland	Gas	IPP	6x6.34	51	51	43	43	43	43		8	1 Machine problem	
40	Brahmanbaria 70MW	Gas	QRPP 3yrs	72x1	70	70	70	70	67	70				
41	Daudkandi 50 MW	FO	PDB	6x8.92	52	52	0	50	0	50		8	1 Machine problem	
42	Chandpur CCPP	Gas	PDB	1x106+1x57	163	163	108	110	108	110	53			
43	Feni	Gas	SIPP.PDB	8X2.90	22	22	15	18	18	18		4	1 Machine problem	
44	Mahipal,Feni	Gas	SIPP.REB	4X2.90	11	11	8	8	8	8		3	Synchronized at 33KV,	
45	Jangalia	Gas	SIPP.PDB	4X8.73	33	33	33	33	25	33			Synchronized at 33KV	
46	Summit Power (Comilla)	Gas	SIPP.REB	3x3.67+2x6.97	25	25	21	20	20	20		5	Synchronized at 33K11 Machine problem	
	Comilla Area Total				***1392***	***1297***	***1049***	***1070***	***1004***	***1067***	88	155		
47	RPCL CCPP,Mymensingh	Gas	IPP	4X35+1x70	210	197	145	149	146	149	48			
48	Tangail	Gas	SIPP.PDB	8X2.90	22	22	16	16	18	16		6	Synchronized at 33KV, 2 Machine problem	
	Mymensingh Area Total				***232***	***219***	***161***	***165***	***164***	***165***	48	6		
49a	Fenchuganj CCPP (old)	Gas	PDB	2x22+1x33	97	90	59	64	61	64		26	ST (26/02/2014)	Unknown
49b	Fenchuganj CCPP (new)	Gas	PDB	2x35+1x35	104	104	68	87	0	87		17		
50	Fenchuganj BEDL	Gas	RPP 15yrs	19X2.90	51	51	37	37	47	37		14	4 Machine problem	
51	Fenchuganj Prima 50 MW	Gas	RPP	12x3.3+5x2	44	44	47	50	0	50				
52	Hobiganj	Gas	SIPP.REB	4X2.90	11	11	8	5	0	5		6	Synchronized at 33KV, 2 Machine problem	
53	Shahjibazar GT 8,9	Gas	PDB	2X35	70	66	66	66	62	66				
54	Shahjibazar 86 MW	Gas	RPP 15yrs	32X2.90	86	86	72	72	72	72		14	4 Machine problem	
55	Shahjibazar 50 MW	Gas	RPP 3yrs	27X2.0	50	50	45	46	46	46				
56	Sylhet 150 MW	Gas	PDB	1x150+1x75	142	142	99	143	118	142				
57	Sylhet GT	Gas	PDB	1X20	20	20	19	19	20	19				
58	Sylhet 50MW	Gas	RPP 3yrs	29x1.95	50	50	42	47	43	47				
59	Shahjahanulla 25MW	Gas	CIPP	3x9.34	25	25	0	0	15	25		25	3 Machine problem	
60	Sylhet 11 MW	Gas	RPP 15yrs	6X1.95	10	10	8	8	8	8		2	1 Machine problem	
	Sylhet Area Total				***760***	***749***	***570***	***644***	***492***	***668***	*0*	104		
61	Bheramara GT 1, 2 & 3	HSD	PDB	3X20	60	46	30	38	0	38		8		
62	Bheramara	HSD	RPP 3yrs	(X8.5+2X6+2X3	105	105	0	0	0	0		105	14 Machine problem. & oil shortage	Unknown
63	HVDC C/B Interconnector		India		500	500	461	346	453	340				
64a	Khulna ST 110MW	FO	PDB	1X110	110	55	0	0	0	0			Under maint.	
64b	Khulna ST 60 MW	FO	PDB	1X60	60	30	0	0	0	0		30	24/01/12	Unknown
65	KPCL ,Khulna.	HFO	IPP	19x6.5	110	110	99	110	90	110				
66	KPCL ,Khulna.(new)	HFO	IPP	7x17	115	115	109	99	99	115		16	1 Machine problem	
67	Faridpur	FO	PDB	8x6.89	54	54	0	42	43	42		12	2 Machine problem.	
68	Khulna 150MW	HSD	NWZPGCL	1x150	150	150	160	162	149	150				
69	Gopalganj 110 MW	HFO	PDB	16x6.98	109	109	52	69	0	80		40	6 Machine problem	
70	Noapara (105 MW)Quantam	HFO	RPP	8x5+9.5x6+9.2x	101	101	0	0	0	0		101	13 Machine problem	
71	Noapara (40 MW),KZA	HFO	RPP	5x8	40	40	40	40	32	40				
72	Khulna 40 MW	HSD	RPP 3yrs	50X0.80	40	40	0	0	0	0			Contact date expired 16/08/13	
73	Khulna 55 MW	HSD	QRPP 3yrs	71X0.85	55	55	43	49	43	55			Expired , run as per instr. of DS (Gen)	
	Khulna Area Total				***1609***	***1510***	***994***	***955***	***909***	***970***	*0*	312		
74	Barisal GT 1 & 2	HSD	PDB	2X20	40	32	31	31	0	32				
75	Bhola	Gas	RPP 3yrs	1X34.50	33	33	0	0	0	0		33	10/8/2013	Unknown
	Barisal Area Total				***73***	***65***	***31***	***31***	***0***	***32***	*0*	33		
76a	Baghabari GT 1	Gas	SBU,PDB	1X71	71	71	74	70	70	70				
76b	Baghabari GT 2	Gas	SBU,PDB	1X100	100	100	96	98	93	100				
77	Baghabari 50 MW	HFO	PDB	6x8.9	52	52	0	48	0	48				
78	Baghabari Westmont	Gas	IPP	2X45	90	70	0	0	0	0		70	#1(15/12),#2(24/4/13)	Unknown
79	Bera 70 MW	HFO	PDB	9x8.29	71	71	0	70	0	70				
80	Amnura 50 MW	HFO	RPP	7x7.79	50	50	0	53	0	50				
81	Katakhali NPS 50 MW	HFO	RPP	6x8.92	50	50	50	50	50	50				
82	Katakhali PPP 50 MW	HFO	PDB	6x8.7	50	50	0	51	0	50				
83	Sirajganj 150 MW	Gas	NWPGCL	1x150	150	150	136	137	133	145				
84	Santahar 50 MW	HFO	PDB	6x8.7	50	50	0	46	0	46		4		
85	Bogra GBB	Gas	RPP 15yrs	6X4	20	22	20	21	21	21			Synchronized at 33KV	
86	Bogra 20MW	Gas	RPP 3yrs	5x3.3+5x2	20	20	15	15	10	15		5	1 Machine problem	
87	Summit Power (Ullapara)	Gas	SIPP.REB	4X2.90	11	11	8	8	8	8		3	Synchronized at 33KV, 1 Machine problem	
88	Rajlanka 52 MW	FO	IPP		52	52	52	52	52	52				
	Rajshahi Area Total				***837***	***819***	***451***	***719***	***437***	***725***	0	82		
89a	Barapukuria ST 1	Coal	PDB	1x125	125	100	75	90	85	90		10		
89b	Barapukuria ST 2	Coal	PDB	1x125	125	100	90	92	92	92		8		
90	Rangpur GT	HSD	PDB	1X20	20	20	16	16	0	19		4		
91	Sayadpur GT	HSD	PDB	1X20	20	20	0	18	0	18				
92	Thakurgaon	HSD	RPP 3yrs	20X1.5+21X1.1	47	47	37	38	38	42			expired , run as per instr. of DS (Gen)	
	Rangpur Area Total				***337***	***287***	***218***	***254***	***215***	***261***	***0***	***22***		
	Total				**10341**	**9727**	**6244**	**6932**	**6040**	**7001**	**1216**	**1183**		
	Useable load at Substation end after deducting Auxiliary use & Transmission loss						0	6716	0	0				

A. 1-Apr-14 (Yesterday)

1	Highest Generation :	**7141.0** MW at **21:00** hrs	11 Evening Peak Hour :	**21:00** hrs.
2	Minimum Generation :	**5678.0** MW at **8:00** hrs	12 Max. Demand (Generation end) at evening peak hour :	**7141** MW
3	Day peak Generation :	**6288.0** MW at **11:00** hrs	13 Max. Demand (Substation end) at evening peak hour :	**6716** MW
4	Evening peak Generation :	**7141.0** MW at **21:00** hrs	14 Load Shed (Substation end) at evening peak hour :	**0** MW

5 Total Energy Generation : 146.0 MKWHr
By Gas: 2.80 MKWHr By Oil: 145.45 MKWHr
By Coal: 2.07 MKWHr By Hydro: 1.62 MKWHr

6 Generation Shortfall : For Gas 750 MW For Oil: 466 MW
For Water Shortage: **0** MW
For Plants S/D or M/C prob: 1183 MW

7 Total Gas Supplied : **981.55** MMCFD

8 Fuel Cost : i) Gas : Taka 272792994 ii) Oil : Taka 211841816
iii) Coal : Taka 8046671 Total Taka 492681481

9 Export Through E-W Interconnectors : i) Energy 7.867 MKWHr.
ii) During Peak Demand : **90** MW at 21:00 hrs
iii) Maximum : 160 MW at 2:00 hrs

10 Maximum Temperature in Dhaka was **36.6° C**

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	2638	2638	0
Chittagong	632	632	0
Khulna	775	775	0
Rajshahi	734	734	0
Comilla	560	560	0
Mymensing	481	481	0
Sylhet	367	367	0
Barisal	135	135	0
Rangpur	394	394	0
Total	6716	6716	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. 2-Apr-14 (Today) 1/1/1904 Probable max. temperature in Dhaka **36.6° C**

Forecast

1	Maximum Demand (Generation end)	**0**	MW
2	Maximum Generation (Generation end)	**7001**	MW
3	Shortage (Generation end)	**-7001**	MW
4	Total Energy Generation	**146**	MKWHr
5	Actual Minimum Generation up to 8:00 hrs.	5665	MW at 8:00

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 0 MKWHr.
ii) During peak Demand : 461 MW at 21:00 hrs
iii) Maximum : 467 MW at 11:00 hrs

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

Sub Divisional Engineer
Network Operation Division

Executive Engineer
Network Operation Division