POWER GRID COMPANY OF BANGLADESH LTD.

QF-LDC-07

SUMMARY OF DAILY ELECTRICITY GENERATION

Month : Apr-2014 Day : Monday Date : 28-Apr-14

Probable Maximum Generation : (a) At Day Peak Hour : **4052** MW (b) At Evening Peak Hour : **7105** MW

Water Level of Kaptai Lake at 06:00 AM (ft) (a) Yesterday : **78.38** (b) Today: **78.06** (c) Rule Curve: **82.60**

Sl.	Name of the Power Station	Fuel	Producer	Instilled Capacity		Derated/ Present Capacity	Actual Generation On Day Peak	Actual Generation 27-Apr-14 Ev. Peak	Available Genereration On Day Peak	Available Genereration 28-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	58	60	58	60		18		
1b	Ghorasal ST 3	Gas	PDB	1x210	210	180	100	100	100	100		80		
1c	Ghorasal ST 4	Gas	PDB	1x210	210	180	170	170	100	170		10		
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 (18/07/2010)	Unknown
2	Ghorashal 100 MW	Gas	QRPP 3yrs	128X0.85	100	100	91	97	15	100				
3	Ghorashal 45 MW	Gas	QRPP 3yrs	50X0.85	45	45	44	44	13	45				
4	Ghorashal MAX	Gas	RPP	4x19.6	78	78	78	78	0	78				
5	Ghorashal Regent						0	0	0	0			On test	
6	Haripur SBU GT 1, 2 & 3	Gas	SBU,PDB	3x32	96	60	0	0	0	0	40	20	#1&#2(22/10/13),#3(18/6/09)	Unknown
7	Haripur EGCB 360 MW	Gas	EGCB		412	412	434	431	432	430			On test	
8	Haripur NEPC	HFO	IPP	8x15	110	110	92	105	13	110				
9	Haripur P. Ltd CCPP	Gas	IPP	235+125	360	360	257	282	350	280	78			
10	Meghnaghat P Ltd CCPP	Gas	IPP	3X150	450	450	0	0	0	0		450	21/4/14	Unknown
11	Meghnaghat IEL	HFO	RPP	12x8.9	100	100	99	99	7	100				
12	Meghnaghat Summit	HSD	IPP				0	216	169	216			On test	
13	Madanganj 102 MW	HFO	QRPP 3yrs	6x17.08	102	100	94	94	15	100		6		
14	Keraniganj	HFO	RPP	8x14.4	100	100	90	90	10	90		10	1 Machine problem	
15	Karshingdi	Gas	SIPP.REB	8X2.90	22	22	20	20	15	20			Synchronized at 33KV	
16a	Siddhirgonj ST	Gas	PDB	1x210	210	150	100	105	105	105	45			
16b	Siddhirgonj GT-1, 2	Gas	EGCB	2x120	210	210	0	0	45	0	210			
17	Siddhirganj 100MW	HSD	QRPP 3yrs	96x1.2	96	96	60	60	0	70		36	40 Machine problem	
18	Dutch Bangla 100 MW	HFO	RPP	12x8.9	100	100	84	92	8	92		8	1 Machine problem	
19	DPA Power 50MW	HSD	QRPP 3yrs	100X0.5	50	50	0	0	0	0			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	85	82	9	90			Synchronized at 33KV	
22	Gazipur RPCL	HFO	IPP	6x8.9	52	52	25	33	0	42		19	2 Machine problem	
23	Tongi GT	Gas	PDB	1X 105	105	105	0	0	0	0	105			
	Dhaka Area Total				***3894***	***3664***	***2171***	***2448***	***1654***	***2488***	***478***	***847***		
24a	Chittagong Raozan ST 1	Gas	PDB	1x210	210	180	150	150	120	150	30			
24b	Chittagong Raozan ST 2	Gas	PDB	1x210	210	180	0	0	0	0	180		14/04/14	Unknown
25	Raozan 25 MW	HFO	RPCL	3x8.9	25	25	26	26	0	26				
26	Patenga 50 MW	HFO	IPP	8x6.9			55	55	48	55			On test	
27	Kaptai Hydro unit 1,2,3,4 & 5		PDB	2X40+3X50	230	220	60	97	40	165				
28a	Sikalbaha ST	Gas	PDB	1X60	60	40	0	0	0	0	40		11-Jul-13	Unknown
28b	Sikalbaha GT	Gas	PDB	1x150	150	150	140	130	110	130	20			
29	Sikalbaha	HFO	RPP 3yrs	4X12.5+2X11.5	0	0	0	0	0	0			Contract date expired 06/05/2013	
30	Hathazari	HFO	PDB	11x8.9	98	98	0	89	0	98		9	1 Machine problem	
31	Bohazari	HFO	PDB	6x17	102	102	49	102	17	102				
32	Julidah	HFO	RPP	8x13.45	100	100	78	92	10	92		8	1 Machine problem	
33	Barabkunda	Gas	SIPP.PDB	8X2.90	22	22	16	16	19	19		6	Synchronized at 33KV, 1 Machine problem	
34	Malancha, Ctg EPZ	Gas					2	29	3	29				
	Chittagong area Total				***1207***	***1117***	***576***	***786***	***367***	***866***	***270***	***23***		
35a	Ashuganj ST 1 & 2	Gas	APSCL	2x64	128	110	75	75	75	75		35		
35b	Ashuganj ST 3	Gas	APSCL	1x150	150	140	140	140	100	140				
35c	Ashuganj ST 4	Gas	APSCL	1x150	150	150	140	140	110	140				
35d	Ashuganj ST 5	Gas	APSCL	1x152	150	140	0	0	0	0		140	27/04/2014	Unknown
35e	Ashuganj CCPP	Gas	APSCL	2x56+34	146	91	40	40	40	40		51	57(06/09/13), 41(06/01/14)	Unknown
35f	Ashuganj 50 MW TSK	Gas	APSCL	16x3.35	53	51	27	26	26	26		25	7 Machine problem	
36	Ashuganj Precision	Gas	RPP 3yrs	15x4	55	55	56	57	14	55				
37	Ashuganj Aggrekko	Gas	RPP	82x1.1	80	80	77	80	3	80				
38	Ashuganj UP-53 MW	Gas	RPP	14x4	53	53	53	53	3	53				
39	Ashuganj Midland	Gas	IPP	6x8.34	51	51	0	0	0	0		51	19/4/14	Unknown
40	Brahmanbaria 70MW	Gas	QRPP 3yrs	72x1	70	70	70	72	0	70				
41	Daudkandi 50 MW	FO	PDB	6x8.92	52	52	41	41	0	41		11	1 Machine problem	
42	Chandpur CCPP	Gas	PDB	1x106+1x57	163	163	104	60	125	160			ST (25/04/2014)	Unknown
43	Feni	Gas	SIPP.PDB	8X2.90	22	22	17	17	15	17		5	1 Machine problem	
44	Mahipal,Feni	Gas	SIPP.REB	4X2.90	11	11	10	11	8	11			Synchronized at 33KV	
45	Jangalia	Gas	SIPP.PDB	4X8.73	33	33	33	33	34	33			Synchronized at 33KV	
46	Summit Power (Comilla)	Gas	SIPP.REB	3x3.67+2x6.97	25	25	20	20	9	20		5	Synchronized at 33KV, 1 Machine problem	
	Comilla Area Total				***1392***	***1297***	***903***	***865***	***562***	***961***	***0***	***323***		
47	RPCL CCPP, Mymensingh	Gas	IPP	4X35+1x70	210	197	149	148	150	148	49			
48	Tangail	Gas	SIPP.PDB	8X2.90	22	22	17	17	16	17		5	Synchronized at 33KV, 2 Machine problem	
	Mymensingh Area Total				***232***	***219***	***166***	***165***	***166***	***165***	***49***	***5***		
49a	Fenchugonj CCPP (old)	Gas	PDB	2x32+1x33	97	90	66	66	63	66		24		
49b	Fenchugonj CCPP (new)	Gas	PDB	2x35+1x35	104	104	79	85	84	85		19		
50	Fenchugonj BEDL	Gas	RPP 15yrs	19X2.90	51	51	42	42	11	42		9	3 Machine problem.	
51	Fenchuganj Prima 50 MW	Gas	RPP	12x3.3+5x2	44	44	47	50	27	50				
52	Hobiganj	Gas	SIPP.REB	4X2.90	11	11	10	8	0	8			Synchronized at 33KV	
53	Shahjibazar GT 8,9	Gas	PDB	2X35	70	66	63	64	67	64				
54	Shahjibazar 86 MW	Gas	RPP 15yrs	32X2.90	86	86	77	78	10	78		8	3 Machine problem	
55	Shahjibazar 50 MW	Gas	RPP 3yrs	27X2.0	50	50	47	46	5	48				
56	Sylhet 150 MW	Gas	PDB	1x150+1x75	142	142	112	140	107	142				
57	Sylhet GT	Gas	PDB	1X20	20	20	15	19	0	19				
58	Sylhet 50MW	Gas	RPP 3yrs	29x1.95	50	50	40	44	10	44		6	3 Machine problem	
59	Shahjahanulla 25MW	Gas	CIPP	3x9.34	25	25	12	16	0	16		9	1 Machine problem	
60	Sylhet 11 MW	Gas	RPP 15yrs	6X1.95	10	10	8	8	0	8		2	1 Machine problem	
	Sylhet Area Total				***760***	***749***	***618***	***666***	***384***	***670***	***0***	***77***		
61	Bheramara GT 1, 2 & 3	HSD	PDB	3X20	60	46	0	32	0	32		14	# 2 (03/04/2014)	Unknown
62	Bheramara	HSD	RPP 3yrs	7X8.5+2X6+2X	105	105	0	0	0	0		105	16 Machine problem	Unknown
63	HVDC C/B Interconnector		India		500	500	394	346	401	349				
64a	Khulna ST 110MW	FO	PDB	1X110	110	55	56	60	58	55				
64b	Khulna ST 60 MW	FO	PDB	1X60	60	30	0	0	0	0		30	24/01/2012	Unknown
65	KPCL ,Khulna.	HFO	IPP	19x6.5	110	110	71	105	5	110			1 Machine problem	
66	KPCL ,Khulna.(new)	HFO	IPP	7x17	115	115	99	99	16	99		16	1 Machine problem	
67	Faridpur	FO	PDB	8x6.89	54	54	20	38	0	45		16	3 Machine problem	
68	Khulna 150MW	HSD	NWZPGCL	1x150	150	150	123	156	0	150				
69	Gopalganj 110 MW	HFO	PDB	16x6.98	109	109	40	56	0	60		53	8 Machine problem	
70	Noapara (105 MW)Quantam	HFO	RPP	9x5+9.5x6+9.2	101	101	0	0	0	0		101	13 Machine problem	
71	Noapara (40 MW),KZA	HFO	RPP	5x8	40	40	32	40	8	40				
72	Khulna 40 MW	HSD	RPP 3yrs	50X0.80	40	40	0	0	0	0			Contract date expired 16/08/13	
73	Khulna 55 MW	HSD	QRPP 3yrs	71X0.85	55	55	49	52	0	52			Expired , run as per instr. of DS (Gen)	
	Khulna Area Total				***1609***	***1510***	***884***	***984***	***488***	***992***	***0***	***335***		
74	Barisal GT 1 & 2	HSD	PDB	2X20	40	32	0	15	0	15		17	1 Machine problem	
75	Bhola	Gas	RPP 3yrs	1X34.50	33	33	0	4	0	4		33	10/8/2013	Unknown
	Barisal Area Total				***73***	***65***	***0***	***19***	***0***	***19***	***0***	***50***		
76a	Baghabari GT 1	Gas	SBU,PDB	1X71	71	71	69	68	71	68				
76b	Baghabari GT 2	Gas	SBU,PDB	1X100	100	100	80	96	0	100				
77	Baghabari 50 MW	HFO	PDB	6x8.9	52	52	40	40	0	40		12	1 Machine problem	
78	Baghabari Westmont	Gas	IPP	2X45	90	70	0	0	0	0		70	#1(1/5/12),#2(24/4/13)	Unknown
79	Bera 70 MW	HFO	PDB	9x8.29	71	71	66	70	0	70				
80	Amnura 50 MW	HFO	RPP	7x7.79	50	50	43	47	0	50				
81	Katakhali NPS 50 MW	HFO	RPP	6x8.92	50	50	50	50	8	50				
82	Katakhali PPP 50 MW	HFO	PDB	6x8.7	50	50	0	46	0	50				
83	Sirajganj 150 MW	Gas	NWPGCL	1x150	150	150	120	135	143	140				
84	Santahar 50 MW	HFO	PDB	6x8.7	50	50	46	45	0	44				
85	Bogra GBB	Gas	RPP 15yrs	6X4	20	22	19	18	20	18			Synchronized at 33KV	
86	Bogra 20MW	Gas	RPP 3yrs	5x3.3+5x2	20	20	16	18	16	18				
87	Summit Power (Ullapara)	Gas	SIPP.REB	4X2.90	11	11	10	10	0	10			Synchronized at 33KV	
88	Rajlanka 52 MW	FO	IPP		52	52	8	42	0	42				
	Rajshahi Area Total				***837***	***819***	***567***	***685***	***258***	***700***	***0***	***82***		
89a	Barapukuria ST 1	Coal	PDB	1x125	125	100	89	88	88	89		12		
89b	Barapukuria ST 2	Coal	PDB	1x125	125	100	88	86	85	90		14		
90	Rangpur GT	HSD	PDB	1X20	20	20	0	15	0	15		5		
91	Sayadpur GT	HSD	PDB	1X20	20	20	0	17	0	17				
92	Thakurgaon	HSD	RPP 3yrs	20X1.5+21X1.1	47	47	25	27	0	33			expired , run as per instr. of DS (Gen)	
	Rangpur Area Total				***337***	***287***	***202***	***233***	***173***	***244***	***0***	***31***		
	Total				**10341**	**9727**	**6087**	**6851**	**4052**	**7105**	**797**	**1773**		

Useable load at Substation end after deducting Auxiliary use & Transmission loss 5564 6262 3704 6493

A. 27-Apr-14 (Yesterday) Sunday

1	Highest Generation :	**5851.0** MW at **19:30** hrs	11 Evening Peak Hour :	**19:30** hrs.
2	Minimum Generation :	**5071.0** MW at **24:00** hrs	12 Max. Demand (Generation end) at evening peak hour :	**7350** MW
3	Day peak Generation :	**6087.0** MW at **11:00** hrs	13 Max. Demand (Substation end) at evening peak hour :	**6718** MW
4	Evening peak Generation :	**6851.0** MW at **19:30** hrs	14 Load Shed (Substation end) at evening peak hour :	**456** MW

5 Total Energy Generation **143.08** MKWHr
By Gas: 92.67 MKWHr By Oil: 35.53 MKWHr
By Coal: 4.20 MKWHr By Hydro: 1.49 MKWHr

6 Generation Shortfall : For Gas: 797 For Oil: 0 MW
For Water Shortage: **0** MW
For Plants S/D or M/C prob: 1773 MW

7 Total Gas Supplied : **850.2** MMCFD

8 Fuel Cost : i) Gas : Taka 87240175 ii) Oil : Taka 498729616
iii) Coal : Taka 16327715 Total Taka 602297505

9 Export Through E-W Interconnectors : i) Energy 7.867 MKWHr.
ii) During Peak Demand : **-190** MW at 19:30 hrs
iii) Maximum : 94 MW at 15:00 hrs

10 Maximum Temperature in Dhaka was **37.5° 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	2650	2501	149	(19:15-20:45)
Chittagong	752	698	54	(19:15-20:45)
Khulna	754	694	60	(19:15-20:45)
Rajshahi	798	743	55	(19:15-20:45)
Comilla	474	435	39	(19:15-20:45)
Mymensingh	444	415	29	(19:15-20:45)
Sylhet	331	302	29	(19:15-20:45)
Barisal	136	126	10	(19:15-20:45)
Rangpur	379	348	31	(19:15-20:45)
Total	6718	6262	456	

16 Hourly Load Shed during Evening Peak hours :

Time	Loadshed MW
18:00	0
18:30	0
19:00	429
19:30	456
20:00	428
21:00	0
22:00	0
23:00	0

B. 28-Apr-14 (Today) Monday Probable max. temperature in Dhaka **37.5° C**

Forecast

1	Maximum Demand (Generation end)	**7100**	MW
2	Maximum Generation (Generation end)	**7105**	MW
3	Shortage (Generation end)	**-5**	MW
4	Total Energy Generation	**141**	MKWHr
5	Actual Minimum Generation up to 8:00 hrs.	**3969**	MW at **7:00**

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 9.178182 MKWHr.
ii) During peak Demand : 394 MW at 19:30 hrs
iii) Maximum : 397 MW at 1:00 hrs

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

Sub Divisional Engineer
Network Operation Division

Executive Engineer
Network Operation Division