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

SUMMARY OF DAILY ELECTRICITY GENERATION

Month : May-2014 Day : Thursday Date : 29-May-14

Probable Maximum Generation :				(a) At Day Peak Hour :		**5339**	MW		(b) At Evening Peak Hour :			**6652**	**MW**		
Water Level of Kaptai Lake at 06:00 AM (ft)				(a) Yesterday :		**74.26**			(b) Today:	**74.20**	(c) Rule Curve:		**76.60**		
Sl.	Name of the Power Station	Fuel	Producer	Installed Capacity		Derated/ Present Capacity	Actual Generation On **28-May-14** Day Peak	Actual Generation On **28-May-14** Ev. Peak	Available Generation On **29-May-14** Day Peak	Available Generation On **29-May-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	75	75	60	75					
1b	Ghorasal ST 3	Gas	PDB	1x210	210	180						180	8/5/2014	2/6/2014	
1c	Ghorasal ST 4	Gas	PDB	1x210	210	180	180	180	180	180					
1d	Ghorasal ST 5	Gas	PDB	1x210	210	190	190	190	190	190					
1e	Ghorasal ST 6	Gas	PDB	1x210	210	190						190	#6 (18/07/2010)	Unknown	
2	Ghorashal 100 MW	Gas	QRPP	128X0.85	100	100	98	103	98	100					
3	Ghorashal 45 MW	Gas	QRPP	50X0.85	45	45	46	47	44	45					
4	Ghorashal MAX	Gas	QRPP	4x19.6	78	78							Contract date expired 26/05/2014		
5	Ghorashal Regent	Gas	IPP	34x3.35									On test		
6	Haripur SBU GT 1, 2 & 3	Gas	PDB	3x32	96	60					40	20	#1&#2(22/10/13),#3(18/6/09)	Unknown	
7	Haripur EGCB 360 MW	Gas	EGCB	1x273+1x139	412	412	416	412	397	412					
8	Haripur NEPC	HFO	IPP	8x15	110	110	40	95	40	95		15	1 Machine problem		
9	Haripur P. Ltd CCPP	Gas	IPP	235+125	360	360	260	283	271	283	77				
10	Meghnaghat P.Ltd CCPP	Gas	IPP	3X150	450	450						450	21/04/2014	Unknown	
11	Meghnaghat IEL	HFO	RPP	12x8.9	100	100	50	99	99	99					
12	Meghnaghat Summit	HSD	IPP	2x110+1x110			80	122	83	105			GT (29/05/2014)	30/05/2014	
13	Madanganj 102 MW	HFO	QRPP	6x17.08	102	100	55	95	95	95		5			
14	Keraniganj	HFO	RPP	8x14.4	100	100	50	90	90	90		10			
15	Narshingdi	Gas	SIPP,REB	8X2.90	22	22		20	20	20			Synchronized at 33KV		
16a	Siddhirgonj ST	Gas	PDB	1x210	210	150	110	110	110	110	40				
16b	Siddhirgonj GT-1, 2	Gas	EGCB	2x120	210	210					210				
17	Siddhirganj 100MW	HSD	QRPP	96x1.2	96	96		62	20	75		34	28 Machine problem		
18	Dutch Bangla 100 MW	HFO	RPP	12x8.9	100	100	70	92	85	92		8	1 Machine problem		
19	DPA Power 50MW	HSD	QRPP	10X0.5	50	50	42	44	42	44			Expired, run as per instruction of DS (Gen)		
20	Gaharmagar												On test		
21	Summit Power (Dhaka)	Gas	SIPP,REB		146	146	92	103	50	103			Synchronized at 33KV		
22	Gazipur RPCL	HFO	IPP	6x8.9	52	52	17	34	30	43		18	1 Machine problem		
23	Tongi GT	Gas	PDB	1X 105	105	105					105				
	Dhaka Area Total				***3894***	***3664***	***1871***	***2256***	***2004***	***2256***	***472***	***930***			
24a	Chittagong Raozan ST 1	Gas	PDB	1x210	210	180	90	100	100	100	80				
24b	Chittagong Raozan ST 2	Gas	PDB	1x210	210	180	120	100	100	100	80				
25	Raozan 25 MW	HFO	RPCL	3x8.9	25	25		26		26					
26	Patenga 50 MW	HFO	IPP	8x6.9			13	37	36	37			On test		
27	Kaptai Hydro unit 1,2,3,4 & 5		PDB	2X40+3X50	230	220	38	89	40	89					
28a	Sikalbaha ST	Gas	PDB	1X60	60	40	41	40	40	40					
28b	Sikalbaha GT	Gas	PDB	1x150	150	150					150		26/05/2014	29/05/2014	
29	Sikalbaha	HFO	RPP	4X12.5+2X11.9+1									Contract date expired 06/05/2013		
30	Hathazari	HFO	PDB	11x8.9	98	98		88		88		10	1 Machine problem		
31	Dohazari	HFO	PDB	6x17	102	102		102		102					
32	Julda	HFO	RPP	8x13.45	100	100	92	92	67	102		8			
	Chittagong area Total				***1207***	***1117***	***415***	***690***	***399***	***700***	***310***	***24***			
35a	Ashuganj ST 1 & 2	Gas	APSCL	2x64	128	110	90	90	90	90		20			
35b	Ashuganj ST 3	Gas	APSCL	1x150	150	140						140	28/5/14	5/6/2014	
35c	Ashuganj ST 4	Gas	APSCL	1x150	150	150	140	140	140	140		10			
35d	Ashuganj ST 5	Gas	APSCL	1x152	150	140	130	130	130	130		10			
35e	Ashuganj CCPP	Gas	APSCL	2x56+34	146	91	40	40				51	#1(04/01/14) #2(29/05/14)	Unknown	
35f	Ashuganj 50 MW TSK	Gas	APSCL	16x3.35	53	51	42	43	40	43		8	2 Machine problem		
36	Ashuganj Precision	Gas	RPP	15x4	55	55	55	57	54	55					
37	Ashuganj Aggrekko	Gas	RPP	82x1.1	80	80	81	83	79	80					
38	Ashuganj UP-53 MW	Gas	RPP	14x4	53	53	53	53	53	53					
42	Chandpur CCPP	Gas	PDB	1x106+1x57	163	163	77	142	142	142		21			
43	Feni	Gas	SIPP,PDB	8X2.90	22	22	14	12	15	12		10	3 Machine problem		
44	Mahipal,Feni	Gas	SIPP,REB	4X2.90	11	11	8	8	8	8		3	Synchronized at 33KV, 1 Machine problem		
45	Jangalia	Gas	SIPP,PDB	4X8.73	33	33	25	25	24	25		8	Synchronized at 33KV, 1 Machine problem		
46	Summit Power (Comilla)	Gas	SIPP,REB	3x3.67+2x6.97	25	25		21	15	21		5	Synchronized at 33KV, 1 Machine problem		
	Comilla Area Total				***1392***	***1297***	***861***	***1004***	***901***	***970***		***298***			
47	RPCL CCPP, Mymensingh	Gas	IPP	4X35+1x70	210	197	98	100	99	150	97		ST (27/05/2014)	29/05/2014	
48	Tangail	Gas	SIPP,PDB	8X2.90	22	22		16	16	16		6	Synchronized at 33KV, 2 Machine problem		
	Mymensingh Area Total				***232***	***219***	***98***	***116***	***115***	***166***	***97***	***8***			
49a	Fenchugonj CCPP (old)	Gas	PDB	2x32+1x33	97	90	74	74	74	74		16			
49b	Fenchugonj CCPP (new)	Gas	PDB	2x35+1x35	104	104	74	74	73	74		30			
50	Fenchugonj BEDL	Gas	RPP	19X2.90	51	51	41	50	50	50					
51	Fenchuganj Prima 50 MW	Gas	RPP	12x3.3+5x2	44	44	50	44	44	44					
52	Hobiganj	Gas	SIPP,REB	4X2.90	11	11	8	8	8	8		3	Synchronized at 33KV, 1 Machine problem		
53	Shahjibazar GT 8,9	Gas	PDB	2X35	70	66	33	64	62	66					
54	Shahjibazar 86 MW	Gas	RPP	32X2.90	86	86	83	83	83	83					
55	Shahjibazar 50 MW	Gas	RPP	27X2.0	50	50	46	47	46	47					
56	Sylhet 150 MW	Gas	PDB	1x150+1x75	142	142	133	143	114	142					
57	Sylhet GT	Gas	PDB	1X20	20	20	15	20	19	20					
58	Sylhet 50MW	Gas	RPP	29x1.95	50	50	39	42	38	42		8	4 Machine problem		
59	Shahjahanulla 25MW	Gas	CIPP	3x9.34	25	25	16	12	16	12		13	1 Machine problem		
60	Sylhet 11 MW	Gas	RPP	6X1.95	10	10	7	8	8	8		2	1 Machine problem		
	Sylhet Area Total				***760***	***749***	***619***	***669***	***635***	***670***		***72***			
61	Bheramara GT 1, 2 & 3	HSD	PDB	3X20	60	46		41		46					
62	Bheramara	HSD	RPP	12X8.5+2X6+2X13	105	105						105	16 Machine problem	Unknown	
63	HVDC C/B Interconnector		India		500	500	382	334	458	340					
64a	Khulna ST 110MW	FO	PDB	1X110	110	55						55	15/05/2014	Unknown	
64b	Khulna ST 60 MW	FO	PDB	1X60	60	30						30	24/01/2012	Unknown	
65	KPCL ,Khulna.	HFO	IPP	19x6.5	110	110	6	95	53	110					
66	KPCL ,Khulna.(new)	HFO	IPP	7x17	115	115	16	99	99	99		16	1 Machine problem		
67	Faridpur	FO	PDB	8x6.89	54	54		50		50					
68	Khulna 150MW	HSD	NWZPGCL	1x150	150	150		160	40	150					
69	Gopalganj 110 MW	HFO	PDB	16x6.98	109	109		70	47	70		39	5 Machine problem		
70	Noapara (105 MW)Quantam	HFO	RPP	8.9x5+9.5x6+9.2x2	101	101						101	13 Machine problem		
71	Noapara (40 MW),KZA	HFO	RPP	5x8	40	40	8	40	32	40					
72	Khulna 40 MW	HSD	RPP	50X0.80	40	40							Contact date expired 16/08/13		
73	Khulna 55 MW	HSD	QRPP	71X0.85	55	55		43		55			Expired , run as per instr. of DS (Gen)		
	Khulna Area Total				***1609***	***1510***	***412***	***932***	***729***	***960***		***346***			
74	Barisal GT 1 & 2	HSD	PDB	2X20	40	32		30		30					
75	Bhola	Gas	RPP	1X34.50	33	33	5	23	22	33		10			
	Barisal Area Total				***73***	***65***	***5***	***53***	***22***	***63***		***10***			
76a	Baghabari GT 1	Gas	SBU,PDB	1X71	71	71	68	69	69	69					
76b	Baghabari GT 2	Gas	SBU,PDB	1X100	100	100	92	95	96	95					
77	Baghabari 50 MW	HFO	PDB	6x8.9	52	52	24	40		40		12	1 Machine problem		
78	Baghabari Westmont	Gas	IPP	2X45	90	70						70	#1(15/12),#2(24/4/13)	Unknown	
79	Bera 70 MW	HFO	PDB	9x8.29	71	71		63		63		8	1 Machine problem		
80	Amnura 50 MW	HFO	RPP	7x7.79	50	50	6	30		49					
81	Katakhali NPS 50 MW	HFO	RPP	6x8.92	50	50	8	50	8	50					
82	Katakhali PPP 50 MW	HFO	PDB	6x8.7	50	50		47		47					
83	Sirajganj 150 MW	Gas	NWPGCL	1x150	150	150	140	141	141	141					
84	Santahar 50 MW	HFO	PDB	6x8.7	50	50		32		32		18	2 Machine problem		
85	Bogra GBB	Gas	RPP	6X4	20	22	20	20	21	20					
86	Bogra 20MW	Gas	RPP	5x3.3+5x2	20	20	8	8	7	8		12	3 Machine problem		
87	Summit Power (Lillapara)	Gas	SIPP,REB	4X2.90	11	11		11	11	11			Synchronized at 33KV		
88	Rajlanka 52 MW	FO	IPP	6*8.9	52	52	18				52		29/05/2014	31/05/2014	
	Rajshahi Area Total				***837***	***819***	***384***	***606***	***353***	***625***	***52***	***120***			
89a	Barapukuria ST 1	Coal	PDB	1x125	125	100	93	90	89	90		10			
89b	Barapukuria ST 2	Coal	PDB	1x125	125	100	90	90	92	90		10			
90	Rangpur GT	HSD	PDB	1X20	20	20		15		15					
91	Sayadpur GT	HSD	PDB	1X20	20	20		18		18					
92	Thakurgaon	HSD	RPP	20X1.5+21X1.1	47	47		29		29		18	expired , run as per instr. of DS (Gen)		
	Rangpur Area Total				***337***	***287***	***183***	***242***	***181***	***242***		***38***			
	Total				**10341**	**9727**	**4848**	**6568**	**5339**	**6652**	**931**	**1846**			
	Useable load at Substation end after deducting Auxiliary use & Transmission loss						4266	6028	4698	5854					

A. 28-May-14 (Yesterday) Wednesday

1 Highest Generation : **6568.0** MW at **19:30** hrs
2 Minimum Generation : **4401.0** MW at **10:00** hrs
3 Day peak Generation : **4848.0** MW at **12:00** hrs
4 Evening peak Generation : **6568.0** MW at **19:30** hrs
5 Total Energy Generation : **125.64** MKWHr
By Gas: 89.43 MKWHr By Oil: 21.87 MKWHr
By Coal: 4.25 MKWHr By Hydro: 0.99 MKWHr
6 Generation Shortfall : For Gas: 931 For Oil: MW
For Water Shortage: MW
For Plants S/D or M/C prob: 1846 MW
7 Total Gas Supplied : **879.97** MMCFD
8 Fuel Cost i) Gas : Taka 73467394 ii) Oil : Taka 272366414
iii) Coal : Taka 16523023 Total Taka 362356831
9 Export Through E-W Interconnectors : i) Energy 7.867 MKWHr.
ii) During Peak Demand : **30** MW at 19:30 hrs
iii) Maximum : 120 MW at 10:00 hrs
10 Maximum Temperature in Dhaka was **30.8° C**

11 Evening Peak Hour : **19:30** hrs.
12 Max. Demand (Generation end) at evening peak hour : **6568** MW
13 Max. Demand (Substation end) at evening peak hour : MW
14 Load Shed (Substation end) at evening peak hour : 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	2572	2572		
Chittagong	662	662		
Khulna	717	717		
Rajshahi	551	551		
Comilla	482	482		
Mymensingh	350	350		
Sylhet	299	299		
Barisal	143	143		
Rangpur	252	252		
Total	6028	6028		

16 Hourly Load Shed during Evening Peak hours :

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

B. 29-May-14 (Today) Thursday Probable max. temperature in Dhaka **30.8° C**

Forecast

1 Maximum Demand (Generation end) **6900** MW
2 Maximum Generation (Generation end) **6652** MW
3 Shortage (Generation end) **248** MW
4 Total Energy Generation **126** MKWHr
5 Actual Minimum Generation up to 8:00 hrs. **4242** MW at **6:00**
* Import Through HVDC C/B Interconnector : i) Energy 9.115636 MKWHr.
ii) During peak Demand : 382 MW at 19:30 hrs
iii) Maximum : 453 MW at 9:00 hrs

6 Total Load Shed forecast (Substation end) : 218 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
	41	44	44	30	25		9	25

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

Sub Divisional Engineer
Network Operation Division

Executive Engineer
Network Operation Division