QF-LDC-07

POWER GRID COMPANY OF BANGLADESH LTD.

SUMMARY OF DAILY ELECTRICITY GENERATION

Month : Feb-2014 | Day : Sunday | Date : 16-Feb-14

Probable Maximum Generation : (a) At Day Peak Hour : 3628 MW (b) At Evening Peak Hour : 6050 MW

Water Level of Kaptai Lake at 06:00 AM : (a) Yesterday : 91.11 ft (b) Today: 91.02 ft (c) Rule Curve: 94.90 ft

Sl.	Name of the Power Station	Fuel	Producer	Installed Capacity		Derated/ Present Capacity	Actual Generation On 15-Feb-14 Day Peak	Actual Generation On 15-Feb-14 Ev. Peak	Available Geneneration On 16-Feb-14 Day Peak	Available Geneneration On 16-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	72	72	92	92				
1b	Ghorasal ST 3	Gas	PDB	1x210	210	180	110	110	110	110		70		
1c	Ghorasal ST 4	Gas	PDB	1x210	210	180	0	20	110	110		180		
1d	Ghorasal ST 5	Gas	PDB	1x210	210	190	190	190	170	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	0	101	47	100				
3	Ghorashal 45 MW	Gas	QRPP 3yrs	50X0.85	45	45	12	43	14	45			Synchronized at 33KV	
4	Ghorashal MAX	Gas	RPP	4x19.6	78	78	0	0	0	0		78	8/2/2014	17/02/2014
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(18/06/09)	Unkhown
6	Haripur EGCB 360 MW	Gas	EGCB		412	412	0	56	221	400			On test	
7	Haripur NEPC	HFO	IPP	8x15	110	110	13	55	0	110				
8	Haripur P. Ltd CCPP	Gas	IPP	235+125	360	360	313	268	310	200				
9	Meghnaghat P.Ltd CCPP	Gas	IPP	3X150	450	450	450	440	450	400				
10	Meghnaghat IEL	HFO	RPP	12x8.9	100	100	8	83	8	92				
11	Madanganj 102 MW	HFO	QRPP 3yrs	6x17.08	102	100	13	96	0	100				
12	Keraniganj	HFO	RPP	8x14.4	100	100	0	10	0	100				
13	Narshingdi	Gas	SIPP,REB	8X2.90	22	22	17	18	0	18		4	Synchronized at 33KV, 8 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	61	0	0	0	210			
15	Siddhirganj 100MW	HSD	QRPP 3yrs	96x1.2	96	96	0	0	0	0		96	Reserve	
16	Dutch Bangla 100 MW	HFO	RPP	12x8.9	100	100	8	93	8	100				
17	DPA Power 50MW	HSD	QRPP 3yrs	100X0.5	50	50	0	0	0	0			Expired, run as per instruction of DS (Gen)	Reserve
18	Summit Power (Dhaka)	Gas	SIPP,REB		146	146	101	104	31	104			Synchronized at 33KV	
19	Gazipur RPCL	HFO	IPP	6x8.9	52	52	0	43	0	0		9	6 Machine problem Reserve.	
20	Tongi GT	Gas	PDB	1X 105	105	105	0	0	0	0	105			
	Dhaka Area Total				***3894***	***3664***	***1368***	***1802***	***1571***	***2271***	505	647		
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	3x8.9	25	25	17	18	0	0		7	1 Machine problem Reserve.	
23	Patenga 50 MW	HFO	IPP	8x6.9		50	0	0	0	0			On test	
24	Kaptai Hydro unit 1,2,3,4 & 5		PDB	2X40+3X50	230	220	40	43	30	46				
25a	Sikalbaha ST	Gas	PDB	1X60	60	40	0	0	0	0	40		7/11/2013	Unknown
25b	Sikalbaha GT	Gas	PDB	1x150	150	150	0	0	0	0	150		24/01/2014	Unknown
26	Sikalbaha	HFO	RPP 3yrs	4X12.5+2X11.5	0	0	0	0	0	0			Contract date expired 06/05/2013	
27	Hathazari	HFO	PDB	11x8.9	98	98	0	98	0	98				
28	Bohazari	HFO	PDB	6x17	102	102	0	51	0	102				
29	Suldah	HFO	RPP	8x13.45	100	100	60	95	20	95				
30	Barabkunda	Gas	SIPP,PDB	8X2.90	22	22	11	12	13	12		10	Synchronized at 33KV, 3 Machine problem	
31	Malancha,Ctg EPZ	Gas					0	18	16	18				
	Chittagong area Total				***1207***	***1167***	***128***	***335***	***79***	***371***	550	17		
32a	Ashuganj ST 1 & 2	Gas	APSCL	2x64	128	110	25	25	65	65		85		
32b	Ashuganj ST 3	Gas	APSCL	1x150	150	140	140	140	140	140				
32c	Ashuganj ST 4	Gas	APSCL	1x150	150	150	140	140	140	140				
32d	Ashuganj ST 5	Gas	APSCL	1x152	150	140	140	140	140	140				
32f	Ashuganj CCPP	Gas	APSCL	2x56+34	146	91	40	40	0	40	35	16	ST(08/09/2013), #1 (06/01/2014)	Unkhown
32g	Ashuganj 50 MW TSK	Gas	APSCL	16x3.35	53	51	21	28	26	28		23	6 Machine problem	
33	Ashuganj Precision	Gas	RPP 3yrs	15x4	55	55	54	54	32	54				
34	Ashuganj Aggrekko	Gas	RPP	82x1.1	80	80	58	81	57	80				
35	Ashuganj UP-53 MW	Gas	RPP	14x4	53	53	49	53	53	53				
36	Ashuganj Midland	Gas	IPP	6x8.34	51	51	54	54	9	51				
37	Brahmanbaria 70MW	Gas	QRPP 3yrs	72x1	70	70	69	71	46	70				
38	Daudkandi 50 MW	FO	PDB	6x8.92	52	52	0	0	0	0			Reserve	
39	Chandpur CCPP	Gas	PDB	1x106+1x57	163	163	0	0	0	0	163			
40	Feni	Gas	SIPP,PDB	8X2.90	22	22	17	20	16	21				
41	Mahipal,Feni	Gas	SIPP,REB	4X2.90	11	11	11	8	11	8		3	Synchronized at 33KV, 2 Machine problem	
42	Jangalia	Gas	SIPP,PDB	4X8.73	33	33	25	25	25	25		8	Synchronized at 33KV, 1 Machine problem	
43	Summit Power (Comilla)	Gas	SIPP,REB	3x3.67+2x6.97	25	25	21	20	18	20		5	Synchronized at 33KV, 1 Machine problem	
	Comilla Area Total				***1392***	***1297***	***864***	***899***	***778***	***935***	198	140		
44	RPCL CCPP,Mymensing	Gas	IPP	4X35+1x70	210	197	159	156	156	159	41			
45	Tangail	Gas	SIPP,PDB	8X2.90	22	22	20	20	19	20		2	Synchronized at 33KV, 8 Machine problem	
	Mymensing Area Total				***232***	***219***	***179***	***176***	***175***	***179***	41	2		
46a	Fenchugonj CCPP (old)	Gas	PDB	2x32+1x33	97	90	58	64	49	64		26	ST #1 (17/01/2014)	Unkhown
46b	Fenchugonj CCPP (new)	Gas	PDB	2x35+1x35	104	104	94	95	0	95		9		
47	Fenchugonj BEDL	Gas	RPP 15yrs	19X2.90	51	51	47	47	10	47				
48	Fenchuganj Prima 50 MW	Gas	RPP	12x3.3+5x2	44	44	47	47	4	47				
49	Hobiganj	Gas	SIPP,REB	4X2.90	11	11	8	8	0	8			Synchronized at 33KV	
50	Shahjibazar GT 8,9	Gas	PDB	2X35	70	66	34	34	22	33			#9 (03/02/2014)	17/02/2014
51	Shahjibazar 86 MW	Gas	RPP 15yrs	32X2.90	86	86	55	75	10	75		11	1 Machine problem	
52	Shahjibazar 50 MW	Gas	RPP 3yrs	27X2.0	50	50	46	49	5	49				
53	Sylhet 150 MW	Gas	PDB	1x150+1x75	142	142	118	140	69	142				
54	Sylhet GT	Gas	PDB	1X20	20	20	0	21	0	20				
55	Sylhet 50MW	Gas	RPP 3yrs	29x1.95	50	50	43	43	5	45		7	2 Machine problem	
56	Shahjahanulla 25MW	Gas	CIPP	3x9.34	25	25	8	22	9	22		3		
57	Sylhet 11 MW	Gas	RPP 15yrs	6X1.95	10	10	0	9	7	9		1	1 Machine problem	
	Sylhet Area Total				***760***	***749***	***558***	***654***	***190***	***656***	0	57		
58	Bheramara GT 1, 2 & 3	HSD	PDB	3X20	60	46	0	0	0	0			Reseve	
59	Bheramara	HSD	RPP 3yrs	(X8.5+2X6+2X	105	105	0	0	0	0		105	14 Machine problem. & oil shortage	Unknown
60	HVDC C/B Interconnector		India		500	500	464	465	463	479				
61a	Khulna ST 110MW	FO	PDB	1X110	110	55	0	0	0	0		55	3/12/2013	Unknown
61b	Khulna ST 60 MW	FO	PDB	1X60	60	30	0	0	0	0		30	24/01/12	Unknown
62	KPCL ,Khulna.	HFO	IPP	19x6.5	110	110	5	53	5	0			Reserve.	
63	KPCL ,Khulna.(new)	HFO	IPP	7x17	115	115	33	99	0	115		16	6 Machine problem	
64	Faridpur	FO	PDB	8x6.89	54	54	0	51	0	50		3	2 Machine problem.	
65	Khulna 150MW	HSD	NWZPGCL	1x150	150	150	0	172	0	150				
66	Gopalganj 110 MW	HFO	PDB	16x6.98	109	109	0	90	0	96		19	8 Machine problem.	
67	Noapara (105 MW)Quantam	HFO	RPP	9x5+9.5x6+9.2	101	101	0	0	0	0		101	13 Machine problem	
68	Noapara (40 MW),KZA	HFO	RPP	5x8	40	40	8	40	0	40				
69	Khulna 40 MW	HSD	RPP 3yrs	50X0.80	40	40	0	0	0	0			Contact date expired 16/08/13	
70	Khulna 55 MW	HSD	QRPP 3yrs	71X0.85	55	55	0	0	0	0			Expired , run as per instr. of DS (Gen)	Reserve
	Khulna Area Total				***1609***	***1510***	***510***	***970***	***468***	***930***	0	329		
71	Barisal GT 1 & 2	HSD	PDB	2X20	40	32	0	0	0	0		15	#2 (09/01/2014) Reserve	Unkhown
72	Bhola	Gas	RPP 3yrs	1X34.50	33	33	0	0	0	0		33	10/8/2013	Unknown
	Barisal Area Total				***73***	***65***	***0***	***0***	***0***	***0***	0	48		
73a	Baghabari GT 1	Gas	SBU,PDB	1X71	71	71	73	73	69	71				
73b	Baghabari GT 2	Gas	SBU,PDB	1X100	100	100	109	105	89	100				
74	Baghabari 50 MW	HFO	PDB	6x8.9	52	52	0	48	0	48			6 Machine problem.	
75	Baghabari Westmont	Gas	IPP	2X45	90	70	0	0	0	0		70	#1(1/5/12),#2(24/4/13)	Unknown
76	Bera 70 MW	HFO	PDB	9x8.29	71	71	0	71	0	71				
77	Ammura 50 MW	HFO	RPP	7x7.79	50	50	0	50	0	50				
78	Katakhali NPS 50 MW	HFO	RPP	6x8.92	50	50	8	50	0	50				
79	Katakhali PPP 50 MW	HFO	PDB	6x8.7	50	50	0	49	0	50				
80	Sirajganj 150 MW	Gas	NWPGCL	1x150	150	150	0	0	0	0		150	9/2/2014	23/2014
81	Santahar 50 MW	HFO	PDB	6x8.7	50	50	0	0	0	0			Reserve.	
82	Bogra GBB	Gas	RPP 15yrs	6X4	20	22	22	21	21	21			Synchronized at 33KV	
83	Bogra 20MW	Gas	RPP 3yrs	5x3.3+5x2	20	20	14	14	12	14		6	1 Machine problem	
84	Summit Power (Ullapara)	Gas	SIPP,REB	4X2.90	11	11	0	8	8	8		3	Synchronized at 33KV, 1 Machine problem	
85	Rajlanka 52 MW	FO	IPP				0	52	0	52				
	Rajshahi Area Total				***785***	***767***	***226***	***541***	***199***	***535***	0	229		
86a	Barapukuria ST 1	Coal	PDB	1x125	125	100	0	0	75	77				
86b	Barapukuria ST 2	Coal	PDB	1x125	125	100	93	96	93	96				
87	Rangpur GT	HSD	PDB	1X20	20	20	0	0	0	0			Reserve	
88	Sayadpur GT	HSD	PDB	1X20	20	20	0	0	0	0			Reserve	
89	Thakurgaon	HSD	RPP 3yrs	20X1.5+21X1.3	47	47	0	0	0	0			expired , run as per instr. of DS (Gen)	Reserve
	Rangpur Area Total				***337***	***287***	***93***	***96***	***168***	***173***	***0***	***0***		
	Total				**10289**	**9725**	**3926**	**5473.0**	**3628**	**6050**	**1294**	**1469**		

Useable load at Substation end after deducting Auxiliary use & Transmission loss: 3620 | 5047 | 3346 | 5579

A. 15-Feb-14 (Yesterday) — Saturday

1	Highest Generation :	5473.0 MW at 19:00 hrs	11	Evening Peak Hour :			19:00	hrs.
2	Minimum Generation :	2911.0 MW at 5:00 hrs	12	Max. Demand (Generation end) at evening peak hour :			5473	MW
3	Day peak Generation :	3926.0 MW at 12:00 hrs	13	Max. Demand (Substation end) at evening peak hour :			5047	MW
4	Evening peak Generation :	5473.0 MW at 19:00 hrs	14	Load Shed (Substation end) at evening peak hour :			0	MW
5	Total Energy Generation :	91.88 MKWHr	15.	Area wise Demand (S/S end), Supply(S/S end) & Load Shed (S/S end) at Evening peak hour in MW :			16	Hourly Load Shed during Evening Peak hours :
	By Gas: 69.50 MKWHr	By Oil: 8.06 MKWHr						
	By Coal: 2.32 MKWHr	By Hydro: 0.85 MKWHr						
6	Generation Shortfall :	For Gas: 685 For Oil: 759 MW	Area	Demand	Supply	Loadshed (Duration)	Time	Loadshed
		For Water Shortage: 0 MW	Chittagong	1972	1972	0	Hour	MW
		For Plants S/D or M/C prob: 1469 MW	Khulna	539	539	0	18:00	0
7	Total Gas Supplied :	682.55 MMCFD	Rajshahi	646	646	0	18:30	0
8	Fuel Cost : i) Gas :	Taka 54504341 ii) Oil : Taka 48465958	Comilla	483	483	0	19:00	0
	iii) Coal :	Taka 9486893 Total Taka 112457191	Mymensing	429	429	0	19:30	0
9	Export Through E-W Interconnectors :	i) Energy 3.527 MKWHr.	Sylhet	299	299	0	20:00	0
	ii) During Peak Demand :	160 MW at 19:00 hrs	Barisal	257	257	0	21:00	0
	iii) Maximum :	160 MW at 19:00 hrs	Rangpur	120	120	0	22:00	0
10	Maximum Temperature in Dhaka was	24.2° C	Total	302	302	0	23:00	0
				5047	5047	0		

B. 16-Feb-14 (Today) — Sunday — Probable max. temperature in Dhaka **24.2° C**

Forecast

1	Maximum Demand (Generation end)	5900	MW
2	Maximum Generation (Generation end)	6050	MW
3	Shortage (Generation end)	-150	MW
4	Total Energy Generation	92	MKWHr
5	Actual Minimum Generation up to 8:00 hrs.	2540	MW at 5:00

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 11.150545 MKWHr.

ii) During peak Demand : 465 MW at 19:00 hrs

iii) Maximum : 466 MW at 8:00 hrs

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

Sub Divisional Engineer
Network Operation Division

Executive Engineer
Network Operation Division