QF-LDC-07

POWER GRID COMPANY OF BANGLADESH LTD.
SUMMARY OF DAILY ELECTRICITY GENERATION

Month : Mar-2014 Day : Monday Date : 24-Mar-14

Probable Maximum Generation : (a) At Day Peak Hour : 5211 MW (b) At Evening Peak Hour : 6898 MW

Water Level of Kaptai Lake at 06:00 AM (a) Yesterday : 87.14 ft (b) Today: 87.11 ft (c) Rule Curve: 89.32 ft

Sl.	Name of the Power Station	Fuel	Producer	Installed Capacity	Derated/ Present Capacity		Actual Generation On 23-Mar-14		Available Geneneration On 24-Mar-14		Ev. Peak Gen.Shortage for Fuel Limitation	for Plants S/D or M/C prob.	Plants under Shut down (Date) / Remarks	Probable Start up Date
							Day Peak	Ev. Peak	Day Peak	Ev. Peak				
					MW	MW	MW	MW	MW	MW	MW	MW		
1a	Ghorasal ST 1 & 2	Gas	PDB	2X55	110	78	80	77	77	77				
1b	Ghorasal ST 3	Gas	PDB	1x210	210	180	110	110	110	110		70		
1c	Ghorasal ST 4	Gas	PDB	1x210	210	180	170	160	160	160		20		
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	12BX0.85	100	100	96	101	98	100				
3	Ghorashal 45 MW	Gas	QRPP 3yrs	50X0.85	45	45	43	46	45	45			Synchronized at 33KV	
4	Ghorashal MAX	Gas	RPP	4x19.6	78	78	78	79	79	78				
5	Ghorashal Regent													
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(18/06/	Unknown
7	Haripur EGCB 360 MW	Gas	EGCB		412	412	446	421	100	421			On test	
8	Haripur NEPC	HFO	IPP	8x15	110	110	13	90	60	110		20	1 Machine problem	
9	Haripur P. Ltd CCPP	Gas	IPP	235+125	360	360	256	225	302	225	135			
10	Meghnaghat P.Ltd CCPP	Gas	IPP	3X150	450	450	450	440	450	440	10			
11	Meghnaghat IEL	HFO	RPP	12x8.9	100	100	8	84	76	92		16	2 Machine problem	
12	Meghnaghat Summit													
13	Madanganj 102 MW	HFO	QRPP 3yrs	6x17.08	102	100	45	100	75	100				
14	Keraniganj	HFO	RPP	8x14.4	100	100	10	101	90	100				
15	Narshingdi	Gas	SIPP,REB	8X2.90	22	22	12	16	14	16		6	Synchronized at 33KV, 2 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	0	20	0	90		76		
18	Dutch Bangla 100 MW	HFO	RPP	12x8.9	100	100	8	100	68	100				
19	DPA Power 50MW	HSD	QRPP 3yrs	100X0.5	50	50	0	16	0	50			Expired, run as per instruction of DS (Gen)	
20	Gaharnagar												On test	
21	Summit Power (Dhaka)	Gas	SIPP,REB		146	146	88	103	95	103			Synchronized at 33KV	
22	Gazipur RPCL	HFO	IPP	6x8.9	52	52	0	0	0	34		52	6 Machine problem	
23	Tongi GT	Gas	PDB	1X 105	105	105	0	0	0	0	105			
	Dhaka Area Total				*3894*	*3664*	*2103*	*2479*	*2089*	*2641*	650	470		
24a	Chittagong Raozan ST 1	Gas	PDB	1x210	210	180	150	150	150	150	30			
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	0	17	0	17		8	1 Machine problem	
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	46	40	46				
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	100	120	90	120	30			
29	Sikalbaha	HFO	RPP 3yrs	4X12.5+2X11.5	0	0	0	0	0	0			contract date expired 06/05/2013	
30	Halhazari	HFO	PDB	11x8.9	98	98	0	87	0	98				
31	Dohazari	HFO	PDB	6x17	102	102	0	97	0	102				
32	Julidah	HFO	RPP	8x13.45	100	100	10	80	20	92		20	1 Machine problem	
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	20	0	20				
	Chittagong area Total				*1207*	*1117*	*276*	*633*	*316*	*661*	280	34		
35a	Ashugani ST 1 & 2	Gas	APSCL	2x64	128	110	0	0	25	50		110	#1(16/03/14)	Unkhown
35b	Ashuganj ST 3	Gas	APSCL	1x150	150	140	0	0	0	140		140	23/03/2014	Unkhown
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		20		
35e	Ashuganj CCPP	Gas	APSCL	2x56+34	146	91	0	40	40	40		56	ST(08/06/2013), #1 (06/01/2014)	Unknown
35f	Ashuganj 50 MW TSK	Gas	APSCL	16x3.35	53	51	20	43	38	43		8	2 Machine problem	
36	Ashuganj Precision	Gas	RPP 3yrs	15x4	55	55	53	56	57	55				
37	Ashuganj Aggrekko	Gas	RPP	8Zx1.1	80	80	77	84	84	80				
38	Ashuganj UP-53 MW	Gas	RPP	14x4	53	53	49	49	45	49				
39	Ashuganj Midland	Gas	IPP	6x9.34	51	51	38	43	43	43		8	1 Machine problem	
40	Brahmanbaria 70MW	Gas	QRPP 3yrs	72x1	70	70	66	71	69	70				
41	Daudkandi 50 MW	FO	PDB	6x8.92	52	52	0	50	0	50				
42	Chandpur CCPP	Gas	PDB	1x108+1x57	163	163	170	155	77	163				
43	Feni	Gas	SIPP,PDB	8X2.90	22	22	15	13	15	13		9	3 Machine problem	
44	Mahipal,Feni	Gas	SIPP,REB	4X2.90	11	11	7	8	8	8		3	Synchronized at 33KV, 1 Machine problem	
45	Jangalia	Gas	SIPP,PDB	4X8.73	33	33	0	25	25	25		8	Synchronized at 33KV, 1 Machine problem	
46	Summit Power (Comilla)	Gas	SIPP:REB	3x3.67+2x6.97	25	25	10	21	16	21		4	Synchronized at 33KV, 1 Machine problem	
	Comilla Area Total				*1392*	*1297*	*765*	*918*	*802*	*1110*	0	366		
47	RPCL CCPP,Mymensingh	Gas	IPP	4X35+1x70	210	197	150	156	154	156	41			
48	Tangail	Gas	SIPP,PDB	8X2.90	22	22	13	16	15	16		6	Synchronized at 33KV, 2 Machine problem	
	Mymensinsh Area Total				*232*	*219*	*163*	*172*	*169*	*172*	41	6		
49a	Fenchuganj CCPP (old)	Gas	PDB	2x32+1x33	97	90	63	65	62	65		25	ST (30/02/2014)	Unknown
49b	Fenchuganj CCPP (new)	Gas	PDB	2x35+1x35	104	104	44	74	74	74		30		
50	Fenchuganj BEDL	Gas	RPP 15yrs	19X2.90	51	51	43	50	50	50				
51	Fenchuganj Prima 50 MW	Gas	RPP	12x3.2+5x2	44	44	33	38	34	38		6	2 Machine problem	
52	Hobiganj	Gas	SIPP,REB	4X2.90	11	11	0	8	8	8		3	Synchronized at 33KV, 1 Machine problem	
53	Shahjibazar GT 8,9	Gas	PDB	2X35	70	66	44	40	67	66				
54	Shahjibazar 86 MW	Gas	RPP 15yrs	32X2.90	86	86	45	71	70	78		15	5 Machine problem	
55	Shahjibazar 50 MW	Gas	RPP 3yrs	27X2.0	50	50	2	48	47	48				
56	Sylhet 150 MW	Gas	PDB	1x150+1x75	142	142	99	88	117	120		54		
57	Sylhet GT	Gas	PDB	1X20	20	20	0	20	20	20				
58	Sylhet 50MW	Gas	RPP 3yrs	29x1.95	50	50	38	45	43	45				
59	Shahjahanulla 25MW	Gas	CIPP	3x9.34	25	25	0	22	9	22				
60	Sylhet 11 MW	Gas	RPP 15yrs	6X1.95	10	10	8	8	8	8		2	1 Machine problem	
	Sylhet Area Total				*760*	*749*	*419*	*577*	*609*	*642*	0	135		
61	Bheramara GT 1, 2 & 3	HSD	PDB	3X20	60	46	0	32	0	46			Reserve	
62	Bheramara	HSD	RPP 3yrs	3X8.5+2X6+2X	105	105	0	0	0	0		105	14 Machine problem. & oil shortage	Unknown
63	HVDC C/B Interconnector		India		500	500	462	340	456	340				
64a	Khulna ST 110MW	FO	PDB	1X110	110	55	60	47	45	47				
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	5	110	47	110				
66	KPCL ,Khulna.(new)	HFO	IPP	7x17	115	115	0	105	45	115				
67	Faridpur	FO	PDB	8x6.89	54	54	0	43	0	43		11	2 Machine problem.	
68	Khulna 150MW	HSD	NWZPGCL	1x150	150	150	0	160	0	0			Reserve	
69	Gopalganj 110 MW	HFO	PDB	16x6.98	109	109	0	71	0	80		38	5 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	0	32	32	32			Reserve	
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	0	41	0	0			Expired , run as per instr. of DS (Gen)	Reserve
	Khulna Area Total				*1609*	*1510*	*527*	*981*	*625*	*813*	0	285		
74	Barisal GT 1 & 2	HSD	PDB	2X20	40	32	0	30	0	0			Reserve	
75	Bhola	Gas	RPP 3yrs	1X34.50	33	33	0	0	0	0		33	10/8/2013	Unknown
	Barisal Area Total				*73*	*65*	*0*	*30*	*0*	*0*	0	33		
76a	Baghabari GT 1	Gas	SBU,PDB	1X71	71	71	73	71	73	71				
76b	Baghabari GT 2	Gas	SBU,PDB	1X100	100	100	100	102	100	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	66	0	66				
80	Amnura 50 MW	HFO	RPP	7x7.79	50	50	0	20	0	50				
81	Katakhali NPS 50 MW	HFO	RPP	6x8.92	50	50	8	8	8	50				
82	Katakhali PPP 50 MW	HFO	PDB	6x8.7	50	50	0	22	0	50				
83	Sirajganj 150 MW	Gas	NWPGCL	1x150	150	150	120	80	143	145				
84	Santahar 50 MW	HFO	PDB	6x8.7	50	50	0	0	0	0				
85	Bogra GBB	Gas	RPP 15yrs	6X4	20	22	22	22	21	22			Synchronized at 33KV	
86	Bogra 20MW	Gas	RPP 3yrs	5x3.3+5x2	20	20	15	17	18	17		3	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	0	52	44	52				
	Rajshahi Area Total				*837*	*819*	*346*	*516*	*415*	*679*	0	76		
89a	Barapukuria ST 1	Coal	PDB	1x125	125	100	88	87	90	87		13		
89b	Barapukuria ST 2	Coal	PDB	1x125	125	100	96	93	96	93		7		
90	Rangpur GT	HSD	PDB	1X20	20	20	0	0	0	0			Reserve	
91	Sayadpur GT	HSD	PDB	1X20	20	20	0	0	0	0			Reserve	
92	Thakurgaon	HSD	RPP 3yrs	20X1.5+21X1.1	47	47	0	0	0	0			expired , run as per instr. of DS (G	Reserve
	Rangpur Area Total				*337*	*287*	*184*	*180*	*186*	*180*	*0*	*20*		
	Total				**10341**	**9727**	**4783**	**6486.0**	**5211**	**6898**	**971**	**1425**		
	Useable load at Substation end after deducting Auxiliary use & Transmission loss						4411	5982	4806	6362				

A. 23-Mar-14 (Yesterday) Sunday

1	Highest Generation :	6486.0	MW at	19:00	hrs	11 Evening Peak Hour :				19:00	hrs.
2	Minimum Generation :	3188.0	MW at	5:00	hrs	12 Max. Demand (Generation end) at evening peak hour				6486	MW
3	Day peak Generation :	4783.0	MW at	12:00	hrs	13 Max. Demand (Substation end) at evening peak hour				5982	MW
4	Evening peak Generation :	6486.0	MW at	19:00	hrs	14 Load Shed (Substation end) at evening peak hour				0	MW
5	Total Energy Generation :	109.2	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: 83.09	MKWHr	By Oil:	11.26	MKWHr	Area	Demand	Supply	Loadshed (Duration)	Time	Loadshed
	By Coal: 4.29	MKWHr	By Hydro:	0.29	MKWHr	Dhaka	2310	2310	0	Hour	MW
6	Generation Shortfall :	For Gas: 555 MW	For Oil:	441	MW	Chittagong	651	651	0	18:00	0
		For Water Shortage:		0	MW	Khulna	738	738	0	18:30	0
		For Plants S/D or M/C prob:		1425	MW	Rajshahi	696	696	0	19:00	0
7	Total Gas Supplied : 888.27 MMCFD					Comilla	444	444	0	19:30	0
8	Fuel Cost : i) Gas : Taka 64559833	ii) Oil : Taka 16915973				Mymensing	396	396	0	20:00	0
	iii) Coal : Taka 16679271	Total Taka 250398834				Sylhet	255	255	0	21:00	0
9	Export Through E-W Interconnectors :	i) Energy 5.860 MKWHr.				Barisal	134	134	0	22:00	0
	ii) During Peak Demand : 120 MW at 19:00 hrs					Rangpur	358	358	0	23:00	0
	iii) Maximum : 140 MW at 17:00 hrs					Total	5982	5982	0		
10	Maximum Temperature in Dhaka was 31.4° C										

B. 24-Mar-14 (Today) Monday Probable max. temperature in Dhaka **31.4° C**

Forecast

1	Maximum Demand (Generation end)	6800	MW	6 Total Load Shed forecast (Substation end) : 0 MW										
2	Maximum Generation (Generation end)	6898	MW	7 Area wise Load Shed forecast (Substation end) :										
3	Shortage (Generation end)	-98	MW	Dhaka	Chittagong	Khulna	Rajshahi	Comilla	Mymensinh	Sylhet	Barisal	Rangpur		
4	Total Energy Generation	109	MKWHr	MW	MW	MW	MW	MW	MW	MW	MW	MW		
5	Actual Minimum Generation up to 8:00 hrs.	4469	MW at 5:00	0	0	0	0	0	0	0	0	0		

* Import Through HVDC C/B Interconnector :	i) Energy	10.352	MKWHr.	
ii) During peak Demand :	340 MW at	19:00 hrs		
iii) Maximum :	462 MW at	15:00 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

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