QF-LDC-07

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

Month : Jan-2014 | Day : Wednesday | Date : 22-Jan-14

Probable Maximum Generation : (a) At Day Peak Hour : 4575 MW (b) At Evening Peak Hour : 5990 MW

Water Level of Kaptai Lake at 06:00 AM (a) Yesterday : 93.24 ft (b) Today: 93.18 ft (c) Rule Curve: 99.00 ft

Sl.	Name of the Power Station	Fuel	Producer	Instslled Capacity		Derated/ Present Capacity	Actual Generation On 21-Jan-14 Day Peak	Actual Generation On 21-Jan-14 Ev. Peak	Available Geneneration On 22-Jan-14 Day Peak	Available Geneneration On 22-Jan-14 Ev. Peak	Ev. Peak Gen. Limitation for Fuel	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	85	83	83	78				
1b	Ghorasal ST 3	Gas	PDB	1x210	210	180	110	110	110	110		70		
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	0	0	0	0		190	#6(18/07/13)	Unknown
2	Ghorashal 100 MW	Gas	QRPP 3yrs	12BX0.85	100	100	22	102	97	100				
3	Ghorashal 45 MW	Gas	QRPP 3yrs	50X0.85	45	45	46	45	45	45			Synchronized at 33KV	
4	Ghorashal MAX	Gas	RPP	4x19.6	78	78	0	62	63	62		16	1 Machine problem	
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/	Unkhown
6	Haripur EGCB 360 MW	Gas	EGCB		412	412	0	0	0	0			On test	
7	Haripur NEPC	HFO	IPP	8x15	110	110	30	82	20	95		28	2 Machine problem	
8	Haripur P. Ltd CCPP	Gas	IPP	235+125	360	360	0	0	0	0		360	15/01/2014	23/01/2014
9	Meghnaghat P.Ltd CCPP	Gas	IPP	3X150	450	450	450	440	454	440	10			
10	Meghnaghat IEL	HFO	RPP	12x8.9	100	100	64	97	86	100				
11	Madanganj 102 MW	HFO	QRPP 3yrs	6x17.08	102	100	97	101	50	100				
12	Keraniganj	HFO	RPP	8x14.4	100	100	100	101	32	100				
13	Narshingdi	Gas	SIPP,REB	8X2.90	22	22	16	18	19	18		4	Synchronized at 33KV, 1 Machine problem	
14a	Siddhirgonj ST	Gas	PDB	1x210	210	150	0	0	0	0		210	13/1/14	Unkhown
14b	Siddhirgonj GT-1, 2	Gas	EGCB	2x120	210	210	73	65	102	65	145			
15	Siddhirganj 100MW	HSD	QRPP 3yrs	96x1.2	96	96	0	72	0	95		24	24 Machine problem	
16	Dutch Bangla 100 MW	HFO	RPP	12x8.9	100	100	101	101	92	100				
17	DPA Power 50MW	HSD	QRPP 3yrs	100X0.5	50	50	51	50	0	50			Expired, run as per instruction of DS (Gen)	
18	Summit Power (Dhaka)	Gas	SIPP,REB		146	146	86	78	103	103			Synchronized at 33KV	
19	Gazipur RPCL	HFO	IPP	6x8.9	52	52	52	52	0	52				
20	Tongi GT	Gas	PDB	1X 105	105	105	0	0	0	0	105		Gas pressure low	
	Dhaka Area Total				***3894***	***3664***	***1753***	***2029***	***1726***	***2083***	300	922		
21a	Chittagong Raozan ST 1	Gas	PDB	1x210	210	180	0	0	0	0	180		15/08/13	Unknown
21b	Chittagong Raozan ST 2	Gas	PDB	1x210	210	180	0	0	0	0	180		31/07/13	Unkhown
23	Raozan 25 MW	HFO	RPCL	3*8.9	25	25	17	26	0	26				
24	Kaptai Hydro unit 1,2,3,4 & 5		PDB	2X40+3X50	230	220	40	86	42	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	70	50	80	50	100			
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	Dohazari	HFO	PDB	6x17	102	102	0	102	0	102				
29	Juldah	HFO	RPP	8x13.45	100	100	92	92	92	92		8		
30	Barabkunda	Gas	SIPP,PDB	8X2.90	22	22	11	11	11	11		11	Synchronized at 33KV, 4 Machine problem	
31	Malancha,Ctg EPZ	Gas					3	20	4	20				
	Chittagong area Total				***1207***	***1117***	***233***	***485***	***229***	***445***	500	19		
32a	Ashuganj ST 1 & 2	Gas	APSCL	2x64	128	110	25	25	50	50		85		
32b	Ashuganj ST 3	Gas	APSCL	1x150	150	140	140	140	140	140				
32c	Ashuganj ST 4	Gas	APSCL	1x150	150	150	150	150	150	150				
32d	Ashuganj ST 5	Gas	APSCL	1x152	150	140	140	140	140	140				
32e	Ashuganj CCPP	Gas	APSCL	2x56+34	146	91	40	30	20	30	35	16	ST(08/09/13), #1 (06/01/14)	Unkhown
32f	Ashuganj 50 MW TSK	Gas	APSCL	16x3.35	53	51	21	24	18	24		27	8 Machine problem	
33	Ashuganj Precision	Gas	RPP 3yrs	15x4	55	55	23	22	7	22	33			
34	Ashuganj Aggrekko	Gas	RPP	82x1.1	80	80	50	42	72	42	38			
35	Ashuganj UP-53 MW	Gas	RPP	14x4	53	53	30	30	45	30	23			
36	Ashuganj Midland	Gas	IPP		51	51	45	54	54	51			On test	
37	Brahmanbaria 70MW	Gas	QRPP 3yrs	72x1	70	70	72	72	71	70				
38	Daudkandi 50 MW	FO	PDB	6x8.92	52	52	0	41	0	50		11	1 Machine problem.	
39	Chandpur CCPP	Gas	PDB	1x106+1x57	163	163	0	0	0	0	163		14/11/13	Unknown
40	Feni	Gas	SIPP,PDB	8X2.90	22	22	22	22	22	22				
41	Mahipal,Feni	Gas	SIPP,REB	4X2.90	11	11	3	8	5	8		3	Synchronized at 33KV, 1 Machine problem	
42	Jangalia	Gas	SIPP,PDB	4X8.73	33	33	24	32	33	32			Synchronized at 33KV	
43	Summit Power (Comilla)	Gas	SIPP,REB	3x3.67+2x6.97	25	25	13	16	16	16		9	Synchronized at 33KV, 2 Machine problem	
	Comilla Area Total				***1392***	***1297***	***798***	***848***	***843***	***877***	292	151		
44	RPCL CCPP.Mymensing	Gas	IPP	4X35+1x70	210	197	145	155	160	155	42		Gas pressure low	
45	Tangail	Gas	SIPP,PDB	8X2.90	22	22	20	19	20	19		3	Synchronized at 33KV , 1 machine problem.	
	Mymensing Area Total				***232***	***219***	***165***	***174***	***180***	***174***	42	3		
46a	Fenchuganj CCPP (old)	Gas	PDB	2x32+1x33	97	90	40	40	39	40		50	GT #1 (17/01/2014)	Unkhown
46b	Fenchuganj CCPP (new)	Gas	PDB	2x35+1x35	104	104	64	73	63	73		31		
47	Fenchuganj BEDL	Gas	RPP 15yrs	19X2.90	51	51	47	47	45	47				
48	Fenchuganj Prima 50 MW	Gas	RPP	12x3.3+5x2	44	44	42	42	42	42				
49	Hobiganj	Gas	SIPP,REB	4X2.90	11	11	10	10	10	10			Synchronized at 33KV	
50	Shahjibazar GT 8,9	Gas	PDB	2X35	70	66	65	65	63	66				
51	Shahjibazar 86 MW	Gas	RPP 15yrs	32X2.90	86	86	75	76	76	76		10	3 Machine problem	
52	Shahjibazar 50 MW	Gas	RPP 3yrs	27X2.0	50	50	46	47	47	47				
53	Sylhet 150 MW	Gas	PDB	1x150+1x75	142	142	0	0	0	100		142	16/01/14	22/01/2014
54	Sylhet GT	Gas	PDB	1X20	20	20	20	20	0	20				
55	Sylhet 50MW	Gas	RPP 3yrs	29x1.95	50	50	40	41	40	41		9	4 Machine problem	
56	Shahjahanulla 25MW	Gas	CIPP	3x9.34	25	25	9	18	10	18			On test	
57	Sylhet 11 MW	Gas	RPP 15yrs	6X1.95	10	10	9	9	9	9				
	Sylhet Area Total				***760***	***749***	***467***	***488***	***444***	***589***	*0*	242		
58	Bheramara GT 1, 2 & 3	HSD	PDB	3X20	60	46	0	46	0	46				
59	Bheramara	HSD	RPP 3yrs	2X8.5+2X6+2X	105	105	0	0	0	0		105	14 Machine problem. & oil shorta	Unknown
60	HVDC C/B Interconnector		India		500	500	452	336	465	336				
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	53	57			
63	KPCL ,Khulna.(new)	HFO	IPP	7x17	115	115	99	115	66	115				
64	Faridpur	FO	PDB	8x6.89	54	54	0	50	0	50				
65	Khulna 150MW	HSD	NWZPGCL	1x150	150	150	44	167	170	150				
66	Gopalganj 110 MW	HFO	PDB	16x6.98	109	109	0	90	0	100		19	3 Machine problem	
67	Noapara (105 MW)Quantam	HFO	RPP	8x5+9.5x6+9.2	101	101	0	0	0	0		101	13 Machine problem	
68	Noapara (40 MW),KZA	HFO	RPP	5x8	40	40	40	40	40	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	12	45	22	45			Expired , run as per instr. of DS (Gen)	
	Khulna Area Total				***1609***	***1510***	***652***	***942***	***768***	***935***	57	310		
71	Barisal GT 1 & 2	HSD	PDB	2X20	40	32	0	15	0	15			#2 (09/01/2014)	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***	***15***	***0***	***15***	*0*	33		
73a	Baghabari GT 1	Gas	SBU,PDB	1X71	71	71	0	0	0	71		71	21/01/14	22/01/14
73b	Baghabari GT 2	Gas	SBU,PDB	1X100	100	100	107	107	105	100				
74	Baghabari 50 MW	HFO	PDB	6x8.9	52	52	0	40	0	40				
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	Amnura 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	8	50				
79	Katakhali PPP 50 MW	HFO	PDB	6x8.7	50	50	0	48	0	50				
80	Sirajganj 150 MW	Gas	NWPGCL	1x150	150	150	145	145	100	145				
81	Santahar 50 MW	HFO	PDB	6x8.7	50	50	0	46	0	46				
82	Bogra GBB	Gas	RPP 15yrs	6X4	20	22	21	21	20	21			Synchronized at 33KV	
83	Bogra 20MW	Gas	RPP 3yrs	5x3.3+5x2	20	20	14	14	15	14		6	2 Machine problem	
84	Summit Power (Ullapara)	Gas	SIPP,REB	4X2.90	11	11	8	8	8	8		3	Synchronized at 33KV, 1 Machine problem	
85	Rajlanka 52 MW	FO	IPP				53	53	53	53			On test	
	Rajshahi Area Total				***785***	***767***	***356***	***653***	***309***	***719***	*0*	150		
86a	Barapukuria ST 1	Coal	PDB	1x125	125	100	0	0	0	0		100	21/01/14	Unknown.
86b	Barapukuria ST 2	Coal	PDB	1x125	125	100	78	76	76	76		24		
87	Rangpur GT	HSD	PDB	1X20	20	20	0	19	0	19				
88	Sayadpur GT	HSD	PDB	1X20	20	20	0	18	0	18				
89	Thakurgaon	HSD	RPP 3yrs	2X1.5+21X1.1	47	47	0	40	0	40			expired , run as per instr. of DS (Gen)	
	Rangpur Area Total				***337***	***287***	***78***	***153***	***76***	***153***	***0***	***124***		
	Total				**10289**	**9675**	**4502**	**5787.0**	**4575**	**5990**	**1191**	**1954**		
	Useable load at Substation end after deducting Auxiliary use & Transmission loss						4182	5376	4250	5565				

A. 21-Jan-14 (Yesterday) Tuesday

1	Highest Generation :	**5787.0** MW at **19:00** hrs	11 Evening Peak Hour :	**19:00** hrs.
2	Minimum Generation :	**3210.0** MW at **5:00** hrs	12 Max. Demand (Generation end) at evening peak hour :	**5787** MW
3	Day peak Generation :	**4502.0** MW at **12:00** hrs	13 Max. Demand (Substation end) at evening peak hour :	**5376** MW
4	Evening peak Generation :	**5787.0** MW at **19:00** hrs	14 Load Shed (Substation end) at evening peak hour :	**0** MW
5	Total Energy Generation :	102.32 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: 71.43 MKWHr	By Oil: 16.87 MKWHr		
	By Coal: 2.77 MKWHr	By Hydro: 1.02 MKWHr		
6	Generation Shortfall :	For Gas: 580 MW For Oil: 711 MW		
		For Water Shortage: 0 MW		
		For Plants S/D or M/C prob: 1954 MW		
7	Total Gas Supplied :	737.94 MMCFD		
8	Fuel Cost :	i) Gas : Taka 58927453 ii) Oil : Taka 145571214		
		iii) Coal : Taka 11334987 Total Taka 215833654		
9	Export Through E-W Interconnectors :	i) Energy 3.990 MKWHr.		
	ii) During Peak Demand :	110 MW at 19:00 hrs		
	iii) Maximum :	130 MW at 10:00 hrs		
10	Maximum Temperature in Dhaka was	22.4° C		

Area	Demand	Supply	Loadshed (Duration)
Dhaka	1987	1987	0
Chittagong	558	558	0
Khulna	669	669	0
Rajshahi	628	628	0
Comilla	419	419	0
Mymensing	387	387	0
Sylhet	272	272	0
Barisal	115	115	0
Rangpur	341	341	0
Total	5376	5376	0

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. 22-Jan-14 (Today) Wednesday Probable max. temperature in Dhaka **22.4° C**

Forecast

1	Maximum Demand (Generation end)	**5900** MW	6 Total Load Shed forecast (Substation end) : 0 MW											
2	Maximum Generation (Generation end)	**5990** MW	7 Area wise Load Shed forecast (Substation end) :											
3	Shortage (Generation end)	**-90** MW		Dhaka	Chittagong	Khulna	Rajshahi	Comilla	Mymensir	Sylhet	Barisal	Rangpur
4	Total Energy Generation	**102** MKWHr		MW	MW	MW	MW	MW	MW	MW	MW	MW
5	Actual Minimum Generation up to 8:00 hrs.	3148 MW at 5:00		0	0	0	0	0	0	0	0	0

* Import Through HVDC C/B Interconnector :	i) Energy	10.234182	MKWHr.
ii) During peak Demand :	336 MW at	19:00 hrs	
iii) Maximum :	454 MW at	23:00 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