QF-LDC-07

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

Month : Jan-2014 | Day : Saturday | Date : 25-Jan-14

Probable Maximum Generation : (a) At Day Peak Hour : 4229 MW | (b) At Evening Peak Hour : 5981 MW

Water Level of Kaptai Lake at 06:00 AM: (a) Yesterday : 93 ft | (b) Today: 92.89 ft | (c) Rule Curve: 98.40 ft

Sl.	Name of the Power Station	Fuel	Producer	Installed Capacity		Derated/ Present Capacity	Actual Generation On 24-Jan-14 Day Peak	Actual Generation On 24-Jan-14 Ev. Peak	Available Genenration On 25-Jan-14 Day Peak	Available Genenration On 25-Jan-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	89	89	89	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	0	0	0			24/01/14	27/01/14
1e	Ghorasal ST 6	Gas	PDB	1x210	210	190	0	0	0	0		190	46(16/07/10)	Unknown
2	Ghorashal 100 MW	Gas	QRPP 3yrs	128X0.85	100	100	99	100	98	100				
3	Ghorashal 45 MW	Gas	QRPP 3yrs	50X0.85	45	45	45	46	44	45			Synchronized at 33KV	
4	Ghorashal MAX	Gas	RPP	4x19.6	78	78	41	61	50	61		17	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	13	40	0	95		70	9 Machine problem	
8	Haripur P. Ltd CCPP	Gas	IPP	235+125	360	360	0	263	361	263	97			
9	Meghnaghat P.Ltd CCPP	Gas	IPP	3X150	450	450	450	440	454	440	10			
10	Meghnaghat IEL	HFO	RPP	12x8.9	100	100	55	97	8	97		3		
11	Madanganj 102 MW	HFO	QRPP 3yrs	6x17.08	102	100	48	100	13	100				
12	Keraniganj	HFO	RPP	8x14.4	100	100	13	100	0	100				
13	Narshingdi	Gas	SIPP,REB	8X2.90	22	22	16	19	16	19		3	Synchronized at 33KV, 1 Machine problem	
14a	Siddhirgonj ST	Gas	PDB	1x210	210	150	100	110	105	110	40			
14b	Siddhirgonj GT-1, 2	Gas	EGCB	2x120	210	210	0	0	45	0	210			
15	Siddhirganj 100MW	HSD	QRPP 3yrs	96x1.2	96	96	0	50	0	95		46	46 Machine problem	
16	Dutch Bangla 100 MW	HFO	RPP	12x8.9	100	100	50	101	8	100				
17	DPA Power 50MW	HSD	QRPP 3yrs	100X0.5	50	50	0	0	0	0			Expired, run as per instruction of 0	Reserve.
18	Summit Power (Dhaka)	Gas	SIPP,REB		146	146	102	90	111	111			Synchronized at 33KV	
19	Gazipur RPCL	HFO	IPP	6x8.9	52	52	0	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***	***1601***	***2048***	***1692***	***2156***	502	419		
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	0	26	0	26				
24	Kaptai Hydro unit 1,2,3,4 & 5		PDB	2X40+3X50	230	220	40	46	43	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	100	80	0	0	70		24/01/14	Unknown
26	Sikalbaha	HFO	RPP 3yrs	4X12.5+2X11.1	0	0	0	0	0	0			contract date expired 06/05/2013	
27	Halhazari	HFO	PDB	11x8.9	98	98	0	0	0	98			11 Machine problem.	
28	Dohazari	HFO	PDB	6x17	102	102	0	72	0	102		30	2 Machine problem.	
29	Juldah	HFO	RPP	8x13.45	100	100	50	77	10	92		23	2 Machine problem.	
30	Barabkunda	Gas	SIPP,PDB	8X2.90	22	22	14	14	14	14		8	Synchronized at 33KV, 3 Machine problem	
31	Malancha,Ctg EPZ	Gas					24	27	1	27				
	Chittagong area Total				***1207***	***1117***	***228***	***342***	***68***	***405***	470	61		
32a	Ashugnj ST 1 & 2	Gas	APSCL	2x64	128	110	50	50	25	25		60		
32b	Ashugnj ST 3	Gas	APSCL	1x150	150	140	140	140	140	140				
32c	Ashugnj ST 4	Gas	APSCL	1x150	150	150	150	150	150	150				
32d	Ashugnj ST 5	Gas	APSCL	1x152	150	140	140	140	140	140				
32e	Ashugnj CCPP	Gas	APSCL	2x56+34	146	91	30	30	40	30	35	16	ST(08/09/13), #1 (06/01/14)	Unkhown
32f	Ashugnj 50 MW TSK	Gas	APSCL	16x3.35	53	51	27	27	24	27		24	7 Machine problem	
33	Ashugnj Precision	Gas	RPP 3yrs	15x4	55	55	24	12	12	12	43			
34	Ashugnj Aggrekko	Gas	RPP	82x1.1	80	80	22	11	12	11	69			
35	Ashugnj UP-53 MW	Gas	RPP	14x4	53	53	20	10	10	10	43			
36	Ashugnj Midland	Gas	IPP		51	51	53	54	45	51			On test	
37	Brahmanbaria 70MW	Gas	QRPP 3yrs	72x1	70	70	72	72	70	70				
38	Daudkandi 50 MW	FO	PDB	6x8.92	52	52	0	43	0	0		9	1 Machine prot Reserve.	
39	Chandpur CCPP	Gas	PDB	1x106+1x57	163	163	0	0	120	120	163			
40	Feni	Gas	SIPP,PDB	8X2.90	22	22	21	22	22	22				
41	Mahipal,Feni	Gas	SIPP,REB	4X2.90	11	11	5	8	6	8		3	Synchronized at 33KV, 1 Machine problem	
42	Jangalia	Gas	SIPP,PDB	4X8.73	33	33	33	34	25	33			Synchronized at 33KV	
43	Summit Power (Comilla)	Gas	SIPP,REB	3x3.67+2x6.97	25	25	16	16	0	16		9	Synchronized at 33KV, 2 Machine problem	
	Comilla Area Total				***1392***	***1297***	***803***	***819***	***841***	***865***	353	121		
44	RPCL CCPP.Mymensing	Gas	IPP	4X35+1x70	210	197	141	153	157	153	44		Gas pressure low	
45	Tangail	Gas	SIPP,PDB	8X2.90	22	22	19	19	19	19		3	Synchronized at 33KV , 1 Machine problem.	
	Mymensing Area Total				***232***	***219***	***160***	***172***	***176***	***172***	44	3		
46a	Fenchuganj CCPP (old)	Gas	PDB	2x32+1x33	97	90	0	25	12	25		65	GT #1 (17/01/2014)	Unkhown
46b	Fenchuganj CCPP (new)	Gas	PDB	2x35+1x35	104	104	0	0	0	60		104	#3,4 (23/01/14)	25/01/14
47	Fenchuganj BEDL	Gas	RPP 15yrs	19X2.90	51	51	0	0	35	47		51	19 Machine problem.	
48	Fenchuganj Prima 50 MW	Gas	RPP	12x3.3+5x2	44	44	12	9	41	42		35	12 Machine problem.	
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	42	65	42	66				
51	Shahjibazar 86 MW	Gas	RPP 15yrs	32X2.90	86	86	74	30	30	79		56	18 Machine problem.	
52	Shahjibazar 50 MW	Gas	RPP 3yrs	27X2.0	50	50	47	30	5	50		20	10 Machine problem.	
53	Sylhet 150 MW	Gas	PDB	1x150+1x75	142	142	78	118	86	142				
54	Sylhet GT	Gas	PDB	1X20	20	20	0	0	0	0			1 Machine problem.	
55	Sylhet 50MW	Gas	RPP 3yrs	29x1.95	50	50	40	10	40	40		40	20 Machine problem	
56	Shahjahanulla 25MW	Gas	CIPP	3x9.34	25	25	11	18	9	18			On test	
57	Sylhet 11 MW	Gas	RPP 15yrs	6X1.95	10	10	6	8	10	8				
	Sylhet Area Total				***760***	***749***	***320***	***323***	***320***	***587***	*0*	371		
58	Bheramara GT 1, 2 & 3	HSD	PDB	3X20	60	46	0	0	0	0			Reserve.	
59	Bheramara	HSD	RPP 3yrs	7X8.5+2X6+2X	105	105	0	0	0	0		105	14 Machine problem. & oil shorta	Unknown
60	HVDC C/B Interconnector		India		500	500	465	474	474	474				
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	19x5.5	110	110	5	53	5	53	57			
63	KPCL ,Khulna.(new)	HFO	IPP	7x17	115	115	99	99	57	115				
64	Faridpur	FO	PDB	8x6.89	54	54	0	50	0	50				
65	Khulna 150MW	HSD	NWZPGCL	1x150	150	150	0	42	0	150				
66	Gopalganj 110 MW	HFO	PDB	16x6.98	109	109	0	96	58	100		13	2 Machine problem	
67	Noapara (105 MW)Quantam	HFO	RPP	3x5+9.5x6+9.2	101	101	0	0	0	0		101	13 Machine problem	
68	Noapara (40 MW),KZA	HFO	RPP	5x8	40	40	24	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	13	0	0	0			Expired , run as per instr. of DS (0	Reserve.
	Khulna Area Total				***1609***	***1510***	***606***	***854***	***634***	***982***	57	304		
71	Barisal GT 1 & 2	HSD	PDB	2X20	40	32	0	0	0	0			#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*	33		
73a	Baghabari GT 1	Gas	SBU,PDB	1X71	71	71	70	70	71	70		1		
73b	Baghabari GT 2	Gas	SBU,PDB	1X100	100	100	108	80	105	100				
74	Baghabari 50 MW	HFO	PDB	6x8.9	52	52	0	40	0	40		12	1 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	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	47	0	50				
80	Sirajganj 150 MW	Gas	NWPGCL	1x150	150	150	110	146	110	146				
81	Santahar 50 MW	HFO	PDB	6x8.7	50	50	0	46	0	46		4		
82	Bogra GBB	Gas	RPP 15yrs	6X4	20	22	21	21	21	21			Synchronized at 33KV	
83	Bogra 20MW	Gas	RPP 3yrs	5x3.3+5x2	20	20	15	17	12	17		3	1 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				0	0	0	0			On test	
	Rajshahi Area Total				***785***	***767***	***340***	***646***	***335***	***669***	*0*	93		
86a	Barapukuria ST 1	Coal	PDB	1x125	125	100	0	70	88	70		100		
86b	Barapukuria ST 2	Coal	PDB	1x125	125	100	76	75	75	75		25		
87	Rangpur GT	HS[redacted]	PDB	1X20	20	20	0	0	0	0			Reserve.	
88	Sayadpur GT	HS[redacted]	PDB	1X20	20	20	0	0	0	0			Reserve.	
89	Thakurgaon	HS[redacted]	RPP 3yrs	20X1.5+21X1.1	***47***	***47***	***0***	***0***	***0***	***0***			expired , run as per instr. of D	Reserve.
	Rangpur Area Total	[redacted]			***337***	***287***	***76***	***145***	***163***	***145***	***0***	***125***		
	Total	[redacted]			**10289**	**9675**	**4134**	**5349.0**	**4229**	**5981**	**1426**	**1530**		
	Usaable load at Substation end after deducting Auxiliary use & Transmission loss						3826	4950	3914	5535				

A. 24-Jan-14 (Yesterday) Friday

1 Highest Generation : **5349.0** MW at **19:00** hrs
2 Minimum Generation : **3253.0** MW at **5:00** hrs
3 Day peak Generation : **4134.0** MW at **10:00** hrs
4 Evening peak Generation : [redacted] **5349.0** MW at **19:00** hrs
5 Total Energy Generation : [redacted] 94.75 MKWHr
By Gas: 70.44 MKWHr [redacted] By Oil: 9.92 MKWHr
By Coal: 2.29 MKWHr [redacted] By Hydro: 0.95 MKWHr
6 Generation Shortfall : For Gas [redacted] **MW** 712 **MW** For Oil: 784 MW
For Water Shortage: **0** MW
For Plants S/D or M/C prob: 1530 MW
7 Total Gas Supplied : **714.27** MMCFD
8 Fuel Cost : i) Gas : Taka 57037309 ii) Oil : Taka 97612987
iii) Coal : Taka 9363687 Total Taka 164013983
9 Export Through E-W Interconnectors : i) Energy 4.549 MKWHr.
ii) During Peak Demand : **100** MW at 19:00 hrs
iii) Maximum : 160 MW at 18:00 hrs
10 Maximum Temperature in Dhaka was **26.7° C**

11 Evening Peak Hour : **19:00** hrs.
12 Max. Demand (Generation end) at evening peak hour : **5349** MW
13 Max. Demand (Substation end) at evening peak hour : **4950** MW
14 Load Shed (Substation end) at evening peak hour : **0** 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	1760	1760	0	
Chittagong	516	516	0	
Khulna	629	629	0	
Rajshahi	611	611	0	
Comilla	356	356	0	
Mymensing	370	370	0	
Sylhet	256	256	0	
Barisal	112	112	0	
Rangpur	340	340	0	
Total	4950	4950	0	

16 Hourly Load Shed during Evening Peak hours :

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. 25-Jan-14 (Today) Saturday Probable max. temperature in Dhaka **26.7° C**

Forecast

1 Maximum Demand (Generation end) **5900** MW
2 Maximum Generation (Generation end) **5981** MW
3 Shortage (Generation end) **-81** MW
4 Total Energy Generation **95** MKWHr
5 Actual Minimum Generation up to 8:00 hrs. 3059 MW at 3:00

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 11.156364 MKWHr.
ii) During peak Demand : 474 MW at 19:00 hrs
iii) Maximum : 475 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