QF-LDC-07

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

Month : Feb-2014 | Day : Thursday | Date : 20-Feb-14

Probable Maximum Generation : (a) At Day Peak Hour : 4546 MW (b) At Evening Peak Hour : 6055 MW

Water Level of Kaptai Lake at 06:00 AM (a) Yesterday : 90.89 ft (b) Today: 90.81 ft (c) Rule Curve: 94.34 ft

Sl.	Name of the Power Station	Fuel	Producer	Installed Capacity		Derated/ Present Capacity	Actual Generation On 19-Feb-14 Day Peak	Actual Generation On 19-Feb-14 Ev. Peak	Available Geneneration On 20-Feb-14 Day Peak	Available Geneneration On 20-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	94	94	94	94				
1b	Ghorasal ST 3	Gas	PDB	1x210	210	180	100	100	110	110		80		
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(18/07/10)	Unkhown
2	Ghorashal 100 MW	Gas	QRPP 3yrs	12BX0.85	100	100	100	100	100	100				
3	Ghorashal 45 MW	Gas	QRPP 3yrs	50X0.85	45	45	46	46	46	45			Synchronized at 33KV	
4	Ghorashal MAX	Gas	RPP	4x19.6	78	78	21	41	63	63		37	2 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(18/0	Unkhown
6	Haripur EGCB 360 MW	Gas	EGCB		412	412	81	411	352	411			On test	
7	Haripur NEPC	HFO	IPP	8x15	110	110	55	68	0	110				
8	Haripur P. Ltd CCPP	Gas	IPP	235+125	360	360	240	146	206	146	214			
9	Meghnaghat P.Ltd CCPP	Gas	IPP	3X150	450	450	420	400	440	400	50			
10	Meghnaghat IEL	HFO	RPP	12x8.9	100	100	83	66	8	100				
11	Madanganj 102 MW	HFO	QRPP 3yrs	6x17.08	102	100	97	60	13	100				
12	Keraniganj	HFO	RPP	8x14.4	100	100	52	52	10	100				
13	Narshingdi	Gas	SIPP.REB	8X2.90	22	22	18	18	17	18		4	Synchronized at 33KV, 1 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	0	0	0	0	210			
15	Siddhirganj 100MW	HSD	QRPP 3yrs	96x1.2	96	96	0	70	0	0			Reserve	
16	Dutch Bangla 100 MW	HFO	RPP	12x8.9	100	100	50	50	8	100				
17	DPA Power 50MW	HSD	QRPP 3yrs	10X0.5	50	50	0	0	0	0			Expired, run as per instruction of DS (Reserve	
18	Summit Power (Dhaka)	Gas	SIPP.REB		146	146	97	92	43	92			Synchronized at 33KV	
19	Gazipur RPCL	HFO	IPP	6x8.9	52	52	0	26	0	43				
20	Tongi GT	Gas	PDB	1X 105	105	105	0	0	0	0	105			
	Dhaka Area Total				***3894***	***3664***	***1924***	***2210***	***1880***	***2402***	769	331		
21a	Chittagong Raozan ST 1	Gas	PDB	1x210	210	180	0	0	0	0	180		15/08/2013	Unkhown
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	0	17	0	17			1 Machine problem.	
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	42	46	36	46				
25a	Sikalbaha ST	Gas	PDB	1X60	60	40	0	0	0	0	40		7/11/2013	Unkhown
25b	Sikalbaha GT	Gas	PDB	1x150	150	150	0	0	0	0	150		24/01/2014	Unkhown
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	0	0	98				
28	Gohazari	HFO	PDB	6x17	102	102	0	34	0	102				
29	Julda	HFO	RPP	8x13.45	100	100	92	92	13	92		8	1 Machine problem.	
30	Barabkunda	Gas	SIPP.PDB	8X2.90	22	22	16	15	14	15		7	Synchronized at 33KV, 2 Machine problem	
31	Malancha,Ctg EPZ	Gas					4	23	10	23				
	Chittagong area Total				***1207***	***1167***	***154***	***227***	***73***	***393***	550	15		
32a	Ashuganj ST 1 & 2	Gas	APSCL	2x64	128	110	90	90	90	90		20		
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	0	140	120	140				
32f	Ashuganj CCPP	Gas	APSCL	2x56+34	146	91	20	40	40	40	35	16	ST(08/09/2013), #1 (06/01/2014)	Unkhown
32g	Ashuganj 50 MW TSK	Gas	APSCL	16x3.35	53	51	31	32	32	32		19	6 Machine problem	
33	Ashuganj Precision	Gas	RPP 3yrs	15x4	55	55	46	53	54	53				
34	Ashuganj Aggrekko	Gas	RPP	82x1.1	80	80	74	83	80	80				
35	Ashuganj UP-53 MW	Gas	RPP	14x4	53	53	49	49	53	49				
36	Ashuganj Midland	Gas	IPP	6x9.34	51	51	53	54	54	51				
37	Brahmanbaria 70MW	Gas	QRPP 3yrs	72x1	70	70	72	72	70	70				
38	Bauddhanli 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		29/1/14	Unkhown
40	Feni	Gas	SIPP.PDB	8X2.90	22	22	17	16	14	16		6	2 Machine problem.	
41	Mahipal,Feni	Gas	SIPP.REB	4X2.90	11	11	8	5	8	5		6	Synchronized at 33KV, 2 Machine problem	
42	Jangalia	Gas	SIPP.PDB	4X8.73	33	33	34	25	22	25		8	Synchronized at 33KV, 1 Machine problem	
43	Summit Power (Comilla)	Gas	SIPP.REB	3x3.67+2x6.97	25	25	20	20	20	20		5	Synchronized at 33KV, 1 Machine problem	
	Comilla Area Total				***1392***	***1297***	***794***	***959***	***937***	***951***	198	80		
44	RPCL CCPP,Mymensing	Gas	IPP	4X35+1x70	210	197	156	153	156	153	44			
45	Tangail	Gas	SIPP.PDB	8X2.90	22	22	20	20	19	20		2	Synchronized at 33KV	
	Mymensing Area Total				***232***	***219***	***176***	***173***	***175***	***173***	44	2		
46a	Fenchugonj CCPP (old)	Gas	PDB	2x32+1x33	97	90	65	64	62	64		26		
46b	Fenchugonj CCPP (new)	Gas	PDB	2x35+1x35	104	104	0	40	64	90		15		
47	Fenchugonj BEDL	Gas	RPP 15yrs	19X2.90	51	51	44	50	50	50				
48	Fenchuganj Prima 50 MW	Gas	RPP	12x3.3+5x2	44	50	38	47	47	47				
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	22	20	33	20		33	#9 (03/02/2014)	Unkhown
51	Shahjibazar 86 MW	Gas	RPP 15yrs	32X2.90	86	86	70	74	60	74		12	4 Machine problem	
52	Shahjibazar 50 MW	Gas	RPP 3yrs	27X2.0	50	50	47	49	49	50				
53	Sylhet 150 MW	Gas	PDB	1x150+1x75	142	142	77	117	79	142				
54	Sylhet GT	Gas	PDB	1X20	20	20	21	21	21	20				
55	Sylhet 50MW	Gas	RPP 3yrs	29x1.95	50	50	41	42	41	42		8	4 Machine problem	
56	Shahjahanulla 25MW	Gas	CIPP	3x9.34	25	25	11	22	10	22				
57	Sylhet 11 MW	Gas	RPP 15yrs	6X1.95	10	10	8	8	8	8		2	1 Machine problem	
	Sylhet Area Total				***760***	***755***	***454***	***564***	***534***	***639***	*0*	96		
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 shortage	Unkhown
60	HVDC C/B Interconnector		India		500	500	467	466	466	466				
61a	Khulna ST 110MW	FO	PDB	1X110	110	55	0	0	0	0		55	3/12/2013	Unkhown
61b	Khulna ST 60 MW	FO	PDB	1X60	60	30	0	0	0	0		30	24/01/12	Unkhown
62	KPCL ,Khulna.	HFO	IPP	19x6.5	110	110	5	108	5	0			Reserve	
63	KPCL ,Khulna.(new)	HFO	IPP	7x17	115	115	0	100	44	115		15	1 Machine problem	
64	Faridpur	FO	PDB	8x6.89	54	54	0	50	0	50				
65	Khulna 150MW	HSD	NWZPGCL	1x150	150	150	0	85	0	0			Reserve	
66	Gopalganj 110 MW	HFO	PDB	16x6.98	109	109	0	103	0	103				
67	Noapara (105 MW)Quantam	HFO	RPP	8x5+9.5x5+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	0	0	0	0			Expired , run as per instr. of DS (Gen)	Reserve
	Khulna Area Total				***1609***	***1510***	***512***	***952***	***555***	***774***	*0*	305		
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	Unkhown
	Barisal Area Total				***73***	***65***	***0***	***0***	***0***	***0***	*0*	48		
73a	Baghabari GT 1	Gas	SBU,PDB	1X71	71	71	73	73	74	71				
73b	Baghabari GT 2	Gas	SBU,PDB	1X100	100	100	104	106	80	100				
74	Baghabari 50 MW	HFO	PDB	6x8.9	52	52	0	48	0	48				
75	Baghabari Westmont	Gas	IPP	2X45	90	70	0	0	0	0		70	#1(1/5/12),#2(24/4/13)	Unkhown
76	Bera 70 MW	HFO	PDB	9x8.29	71	71	0	63	0	71		8	1 Machine problem	
77	Amnura 50 MW	HFO	RPP	7x7.79	50	50	0	0	0	50				
78	Katakhali NPS 50 MW	HFO	RPP	6x8.92	50	50	8	8	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	0	0	0	0		150	*9/2/2014*	2/2014
81	Santahar 50 MW	HFO	PDB	6x8.7	50	50	0	0	0	0			Reserve	
82	Bogra GBB	Gas	RPP 15yrs	6X4	20	22	21	21	21	21			Synchronized at 33KV	
83	Bogra 20MW	Gas	RPP 3yrs	5x3.3+5x2	20	20	12	13	12	13		7	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		52	52	0	52	0	52				
	Rajshahi Area Total				***837***	***819***	***226***	***440***	***203***	***534***	*0*	238		
86a	Barapukuria ST 1	Coal	PDB	1x125	125	100	93	92	92	92		8		
86b	Barapukuria ST 2	Coal	PDB	1x125	125	100	96	97	97	97				
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+21X1.1	47	47	0	0	0	0			expired , run as per instr. of DS (R	Reserve
	Rangpur Area Total				***337***	***287***	***189***	***189***	***189***	***189***	***0***	***8***		
	Total				**10341**	**9783**	**4429**	**5714.0**	**4546**	**6055**	**1561**	**1124**		
	Useable load at Substation end after deducting Auxiliary use & Transmission loss						4071	5252	4178	5555				

A. 19-Feb-14 (Yesterday) Wednesday

1	Highest Generation :	5714.0	MW at	19:30	hrs	11 Evening Peak Hour :	19:30	hrs.		
2	Minimum Generation :	3108.0	MW at	4:00	hrs	12 Max. Demand (Generation end) at evening peak hour :	5714	MW		
3	Day peak Generation :	M 4429.0	MW at	10:00	hrs	13 Max. Demand (Substation end) at evening peak hour :	5252	MW		
4	Evening peak Generation :	5714.0	MW at	19:30	hrs	14 Load Shed (Substation end) at evening peak hour :	0	MW		
5	Total Energy Generation :	100.67	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: 76.05	MKWHr M	By Oil:	7.76	MKWHr					
	By Coal: 4.50	MKWHr M	By Hydro:	0.90	MKWHr					
6	Generation Shortfall :	For Gas: 94 MW	For Oil:	762	MW					
		For Water Shortage:		0	MW					
		For Plants S/D or M/C prob:		1124	MW					
7	Total Gas Supplied :	750.57	MMCFD							
8	Fuel Cost : i) Gas :	Taka 59936009	ii) Oil : Taka		104014230					
	iii) Coal :	Taka 17499565	Total	Taka	181449804					
9	Export Through E-W Interconnectors :		i) Energy	5.530	MKWHr.					
	ii) During Peak Demand :	140 MW at	19:30	hrs						
	iii) Maximum :	170 MW at	19:00	hrs						
10	Maximum Temperature in Dhaka was	27.4° C								

Area	Demand	Supply	Loadshed	(Duration)
Dhaka	1953	1953	0	
Chittagong	556	556	0	
Khulna	656	656	0	
Rajshahi	584	584	0	
Comilla	415	415	0	
Mymensing	377	377	0	
Sylhet	264	264	0	
Barisal	112	112	0	
Ranpgur	335	335	0	
Total	5252	5252	0	

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. 20-Feb-14 (Today) Thursday Probable max. temperature in Dhaka 27.4° C

Forecast

1	Maximum Demand (Generation end)	6000	MW
2	Maximum Generation (Generation end)	6055	MW
3	Shortage (Generation end)	-55	MW
4	Total Energy Generation	100	MKWHr
5	Actual Minimum Generation up to 8:00 hrs.	3244	MW at 4:00

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 11.458909 MKWHr.

ii) During peak Demand : 466 MW at 19:30 hrs

iii) Maximum : 474 MW at 9:00 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