QF-LDC-07

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

Month : Jan-2014 | Day : Tuesday | Date : 7-Jan-14

Probable Maximum Generation : (a) At Day Peak Hour : 4007 MW (b) At Evening Peak Hour : 5570 MW

Water Level of Kaptai Lake at 06:00 AM (a) Yesterday: 94.37 ft (b) Today: 94.30 ft (c) Rule Curve: 101.86 ft

Sl.	Name of the Power Station	Fuel	Producer	Installed Capacity		Derated/ Present Capacity	Actual Generation On 6-Jan-14 Day Peak	Actual Generation On 6-Jan-14 Ev. Peak	Available Generneration On 7-Jan-14 Day Peak	Available Generneration On 7-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	85	83	69	83				
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(18/07/10)	Unknown
2	Ghorashal 100 MW	Gas	QRPP 3yrs	126X0.85	100	100	0	100	46	100				
3	Ghorashal 45 MW	Gas	QRPP 3yrs	50X0.85	45	45	41	47	6	45			Synchronized at 33KV	
4	Ghorashal MAX	Gas	RPP	4x19.6	78	78	61	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	0	95	0	95		15	1 Machine problem	
8	Haripur P. Ltd CCPP	Gas	IPP	235+125	360	360	292	278	379	278	82			
9	Meghnaghat P.Ltd CCPP	Gas	IPP	3X150	450	450	461	440	454	440	10			
10	Meghnaghat IEL	HFO	RPP	12x8.9	100	100	32	88	8	88		12	1 Machine problem	
11	Madanganj 102 MW	HFO	QRPP 3yrs	6x17.08	102	100	12	98	0	100				
12	Keraniganj	HFO	RPP	8x14.4	100	100	0	100	0	100				
13	Narshingdi	Gas	SIPP.REB	8X2.90	22	22	15	19	19	19		3	Synchronized at 33KV, 1 Machine problem	
14a	Siddhirganj ST	Gas	PDB	1x210	210	150	110	110	110	110	40			
14b	Siddhirganj GT-1, 2	Gas	EGCB	2x120	210	210	0	0	0	0	210			
15	Siddhirganj 100MW	HSD	QRPP 3yrs	96x1.2	96	96	0	0	0	0			Reserve	
16	Dutch Bangla 100 MW	HFO	RPP	12x8.9	100	100	27	100	8	100				
17	DPA Power 50MW	HSD	QRPP 3yrs	100X0.5	50	50	0	0	0	0			Expired but run as per instruction	Reserve
18	Summit Power (Dhaka)	Gas	SIPP.REB		146	146	97	107	92	110			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			
	Dhaka Area Total				***3894***	***3664***	***1713***	***2259***	***1734***	***2262***	487	326		
1a	Chittagong Raozan ST 1	Gas	PDB	1x210	210	180	0	0	0	0	180		15/08/13	Unknown
1b	Chittagong Raozan ST 2	Gas	PDB	1x210	210	180	0	0	0	0	180		31/07/13	Unkhown
2	Raozan 25 MW	HFO	RPCL	3*8.9	25	25	0	26	0	26				
3a	Kaptai Hydro unit 1,2,3,4 & 5		PDB	2X40+3X50	230	220	40	46	40	46				
4a	Sikalbaha ST	Gas	PDB	1X60	60	40	0	0	0	0	40		7/11/2013	Unknown
4b	Sikalbaha GT	Gas	PDB	1x150	150	150	0	0	0	0	150		6/12/014	Unkhown
5	Sikalbaha	HFO	RPP 3yrs	4X12.5+2X11.9	0	0	0	0	0	0			contract date expired 06/05/2013	
6	Hathazari	HFO	PDB	11x8.9	98	98	0	98	0	98				
7	Dohazari	HFO	PDB	6x17	102	102	0	0	0	102				
8	Juldah	HFO	RPP	8x13.45	100	100	27	92	10	92		8		
9	Barabkunda	Gas	SIPP.PDB	8X2.90	22	22	10	11	11	11		11	Synchronized at 33KV, 3 Machine problem	
10	Malancha,Ctg EPZ	Gas					11	12	6	12				
	Chittagong area Total				***1207***	***1117***	***88***	***285***	***67***	***387***	550	19		
1a	Ashuganj ST 1 & 2	Gas	APSCL	2x64	128	110	50	50	80	80		60		
1b	Ashuganj ST 3	Gas	APSCL	1x150	150	140	140	140	140	140				
1c	Ashuganj ST 4	Gas	APSCL	1x150	150	150	150	150	150	150				
1d	Ashuganj ST 5	Gas	APSCL	1x152	150	140	70	70	70	70		70		
1e	Ashuganj CCPP	Gas	APSCL	2x56+34	146	91	32	32	0	32		59	ST(08/09/13),#2(29/11/13),	Unkhown
1f	Ashuganj 50 MW TSK	Gas	APSCL	16x3.35	53	53	18	18	15	18		35	10 Machine problem	
2	Ashuganj Precision	Gas	RPP 3yrs	15x4	55	55	20	20	6	20	35			
3	Ashuganj Aggrekko	Gas	RPP	82x1.1	80	80	72	43	30	43	37			
4	Ashuganj UP-53 MW	Gas	RPP	14x4	53	53	39	25	36	25	28			
5	Ahuganj Midland	Gas	IPP			51	9	49	9	49			On test	
6	Brahmanbaria 70MW	Gas	QRPP 3yrs	72x1	70	70	72	72	65	70				
7	Daudkandi 50 MW	FO	PDB	6x8.92	52	52	0	42	0	0		10	1 Machine prot.Reserve	
8	Chandpur CCPP	Gas	PDB	1x106+1x57	163	163	0	0	0	0	163		14/11/13	Unknown
9	Feni	Gas	SIPP.PDB	8X2.90	22	22	22	21	22	21				
10	Mahipal,Feni	Gas	SIPP.REB	4X2.90	11	11	8	8	8	8		3	Synchronized at 33KV, 1 Machine problem	
11	Jangalia	Gas	SIPP.PDB	4X8.73	33	33	33	33	33	33			Synchronized at 33KV	
12	Summit Power (Comilla)	Gas	SIPP.REB	3x3.67+2x6.97	25	25	15	17	14	17		8	Synchronized at 33KV, 2 Machine problem	
	Comilla Area Total				***1341***	***1299***	***750***	***790***	***678***	***776***	263	245		
1	RPCL CCPP,Mymensing	Gas	IPP	4X35+1x70	210	197	155	151	160	151	46			
2	Tangail	Gas	SIPP.PDB	8X2.90	22	22	19	19	20	19		3	Synchronized at 33KV , 1 Machine problem	
	Mymensing Area Total				***232***	***219***	***174***	***170***	***180***	***170***	46	3		
1a	Fenchugonj CCPP (old)	Gas	PDB	2x32+1x33	97	90	78	75	76	75		15		
1b	Fenchugonj CCPP (new)	Gas	PDB	2x35+1x35	104	104	32	43	43	43		61	GT-3 & ST (04/01/14)	Unkhown
2	Fenchugonj BEDL	Gas	RPP 15yrs	19X2.90	51	51	45	45	45	45		6	2 Machine problem	
3	Fenchuganj Prima 50 MW	Gas	RPP	12x3.3+5x2	44	44	41	41	41	41				
4	Hobiganj	Gas	SIPP.REB	4X2.90	11	11	10	10	5	10			Synchronized at 33KV	
5	Shahjibazar GT 8,9	Gas	PDB	2X35	70	66	66	67	22	66				
6	Shahjibazar 86 MW	Gas	RPP 15yrs	32X2.90	86	86	78	78	78	78		8	2 Machine problem	
7	Shahjibazar 50 MW	Gas	RPP 3yrs	27X2.0	50	50	46	48	46	48				
8	Sylhet 150 MW	Gas	PDB	1x150+1x75	142	142	0	83	58	83		59		
9	Sylhet GT	Gas	PDB	1X20	20	20	0	0	0	0		20	15/12/2013	Unknown
10	Sylhet 50MW	Gas	RPP 3yrs	29x1.95	50	50	41	42	41	42		8	4 Machine problem	
11	Shahjahanulla 25MW	Gas		3x9.34	28	25	12	18	12	18			On test	
12	Sylhet 11 MW	Gas	RPP 15yrs	6X1.95	10	10	10	10	8	10				
	Sylhet Area Total				***763***	***749***	***459***	***560***	***475***	***559***	0	177		
1	Bheramara GT 1, 2 & 3	HSD	PDB	3X20	60	46	0	0	0	0			Reserve	
2	Bheramara	HSD	RPP 3yrs	2X8.5+2X6+2X3	105	105	0	0	0	0		105	14 Machine problem. & oil shortag	Unknown
3	HVDC C/B Interconnector		India		500	500	468	343	465	343				
4a	Khulna ST 110MW	FO	PDB	1X110	110	55	0	0	0	0		55	3/12/2013	Unknown
4b	Khulna ST 60 MW	FO	PDB	1X60	60	30	0	0	0	0		30	24/01/12	Unknown
5	KPCL ,Khulna.	HFO	IPP	19x6.5	110	110	5	11	5	11	99			
6	KPCL ,Khulna.(new)	HFO	IPP	7x17	115	115	32	115	0	115				
7	Faridpur	FO	PDB	8x6.89	54	54	0	50	0	50				
8	Khulna 150MW	HSD	NWZPGCL	1x150	150	150	0	165	0	150				
9	Gopalganj 110 MW	HFO	PDB	1x6.98	109	109	0	81	72	81		28	4 Machine problem	
11	Noapara (105 MW)Quantan	HFO	RPP	9x5+5x5+9.2x	101	101	0	0	0	0		101	13 Machine problem	
12	Noapara (40 MW),KZA	HFO	RPP	5x8	40	40	32	32	32	32		8	1 Machine problem.	
13	Khulna 40 MW	HSD	RPP 3yrs	50X0.80	40	40	0	0	0	0			Contact date expired 16/08/13	
14	Khulna 55 MW	HSD	QRPP 3yrs	71X0.85	55	55	12	45	0	0			Expired , run as per instr. of DS (/	Reserve
	Khulna Area Total				***1609***	***1510***	***549***	***842***	***574***	***782***	99	327		
1	Barisal GT 1 & 2	HSD	PDB	2X20	40	32	0	0	0	0		32	Reserve	
2	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	65		
1a	Baghabari GT 1	Gas	SBU.PDB	1X71	71	71	0	0	0	0			14/12/13	Unknown
1b	Baghabari GT 2	Gas	SBU.PDB	1X100	100	100	105	103	80	100				
2	Baghabari 50 MW	HFO	PDB	6x8.9	52	52	0	49	0	49				
3	Baghabari Westmont	Gas	IPP	2X45	90	70	0	0	0	0		70	#1(1/5/12),#2(24/4/13)	Unknown
4	Bera 70 MW	HFO	PDB	9x8.29	71	71	0	0	0	71				
5	Amnura 50 MW	HFO	RPP	7x7.79	50	50	0	50	0	50				
6	Katakhali NPS 50 MW	HFO	RPP	6x8.92	50	50	0	50	0	50				
7	Katakhali PPP 50 MW	HFO	PDB	6x8.7	50	50	0	47	0	50				
8	Sirajganj 150 MW	Gas	NWPGCL	1x150	150	150	146	145	105	145				
9	Santahar 50 MW	HFO	PDB	6x8.7	50	50	0	0	0	0				
10	Bogra GBB	Gas	RPP 15yrs	6X4	20	22	20	21	21	21			Synchronized at 33KV	
11	Bogra 20MW	Gas	RPP 3yrs	5x3.3+5x2	20	20	11	10	7	10		10	3 Machine problem	
12	Summit Power (Ullapara)	Gas	SIPP.REB	4X2.90	11	11	5	8	8	8		3	Synchronized at 33KV, 1 Machine problem	
	Rajshahi Area Total				***785***	***767***	***287***	***483***	***221***	***554***	0	83		
1a	Barapukuria ST 1	Coal	PDB	1x125	125	100	0	0	0	0		100	20/11/2013	Unknown
1b	Barapukuria ST 2	Coal	PDB	1x125	125	100	69	80	78	80		20		
2	Rangpur GT	HSD	PDB	1X20	20	20	0	0	0	0			Reserve	
3	Sayadpur GT	HSD	PDB	1X20	20	20	0	0	0	0			Reserve	
4	Thakurgaon	HSD	RPP	20X1.5+21X1.1	47	47	0	0	0	0			expired , run as per instr. of D	Reserve
	Rangpur Area Total				***337***	***287***	***69***	***80***	***78***	***80***	***0***	***120***		
	Total				**10241**	**9677**	**4089**	**5469.0**	**4007**	**5570**	**1445**	**1365**		
	Useable load at Substation end after deducting Auxiliary & Transmission loss						3743	5006	3668	5098				

A.	6-Jan-14 (Yesterday)					Monday		
1	Highest Generation :	5469.0	MW	at 19:00	hrs	11 Evening Peak Hour :	19:00	hrs.
2	Minimum Generation :	2477.0	MW	at 5:00	hrs	12 Max. Demand (Generation end) at evening peak hour :	5469	MW
3	Day peak Generation :	4089.0	MW	at 12:00	hrs	13 Max. Demand (Substation end) at evening peak hour :	5006	MW
4	Evening peak Generation :	5469.0	MW	at 19:00	hrs	14 Load Shed (Substation end) at evening peak hour :	0	MW
5	Total Energy Generation :	90.66	MKWHr			15. Area wise Demand (S/S end), Supply(S/S end) & Load Shed (S/S end) at Evening peak hour in MW :		
	By Gas: 69.46	MKWHr	By Oil:	8.49	MKWHr			
	By Coal: 1.75	MKWHr	By Hydro:	0.87	MKWHr			
6	Generation Shortfall : For Gas: 727 MW	For Oil: 818	MW					
	For Water Shortage:	0	MW					
	For Plants S/D or M/C prob:	1365	MW					
7	Total Gas Supplied : 705.88 MMCFD							
8	Fuel Cost : i) Gas : Taka 56367334	ii) Oil : Taka 76363912						
	iii) Coal : Taka 7145970	Total Taka 139877217						
9	Export Through E-W Interconnectors :	i) Energy 5.508	MKWHr.					
	ii) During Peak Demand : 100	MW at 19:00	hrs					
	iii) Maximum : 120	MW at 13:00	hrs					
10	Maximum Temperature in Dhaka was 20.4° C							

Area	Demand	Supply	Loadshed (Duration)
Dhaka	1860	1860	0
Chittagong	553	553	0
Khulna	629	629	0
Rajshahi	539	539	0
Comilla	413	413	0
Mymensing	341	341	0
Sylhet	259	259	0
Barisal	114	114	0
Rangpur	298	298	0
Total	5006	5006	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.	7-Jan-14 (Today)	Tuesday	Probable max. temperature in Dhaka 20.4° C

Forecast

1	Maximum Demand (Generation end)	5500 MW
2	Maximum Generation (Generation end)	5570 MW
3	Shortage (Generation end)	-70 MW
4	Total Energy Generation	90 MKWHr
5	Actual Minimum Generation up to 8:00 hrs.	2647 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 10.036018 MKWHr.

ii) During peak Demand : 343 MW at 19:00 hrs

iii) Maximum : 469 MW at 7:00 hrs

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

Sub Divisional/Asstt. Engineer
Network Operation Division

Executive Engineer
Network Operation Division