POWER GRID COMPANY OF BANGLADESH LTD.

QF-LDC-07

SUMMARY OF DAILY ELECTRICITY GENERATION

Month : Feb-2014 | Day : Tuesday | Date : 4-Feb-14

Probable Maximum Generation : (a) At Day Peak Hour : 4764 MW (b) At Evening Peak Hour : 6100 MW

Water Level of Kaptai Lake at 06:00 AM (a) Yesterday : 92.26 ft (b) Today: 92.05 ft (c) Rule Curve: 96.51 ft

Name of the Power Station	Fuel	Producer	Instilled Capacity		Derated/ Present Capacity	Actual Generation On 3-Feb-14 Day Peak	Actual Generation On 3-Feb-14 Ev. Peak	Available Genenration On 4-Feb-14 Day Peak	Available Genenration On 4-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		
Ghorasal ST 1 & 2	Gas	PDB	2X55	110	78	75	44	44	44		34	# 2 (03/02/2014)	8/2/2014
Ghorasal ST 3	Gas	PDB	1x210	210	180	110	100	100	110		80		
Ghorasal ST 4	Gas	PDB	1x210	210	180	180	170	180	180				
Ghorasal ST 5	Gas	PDB	1x210	210	190	190	190	190	190				
Ghorasal ST 6	Gas	PDB	1x210	210	190	0	0	0	0		190	#9(18/07/710	Unknown
Ghorashal 100 MW	Gas	QRPP 3yrs	12BX0.85	100	100	96	98	100	100				
Ghorashal 45 MW	Gas	QRPP 3yrs	50X0.85	45	45	45	45	46	45			Synchronized at 33KV	
Ghorashal MAX	Gas	RPP	4x19.6	78	78	64	82	83	78		20	1 Machine problem	
Haripur SBU GT 1, 2 & 3	Gas	SBU,PDB	3x32	96	60	0	0	0	0	40	20	#1 & #2 (22/10/13), #3(3	Unkhown
Haripur EGCB 360 MW	Gas	EGCB		412	412	470	327	71	327			On test	
Haripur NEPC	HFO	IPP	8x15	110	110	0	95	40	110		15	1 Machine problem	
Haripur P. Ltd CCPP	Gas	IPP	235+125	360	360	160	149	233	149	211			
Meghnaghat P.Ltd CCPP	Gas	IPP	3X150	450	450	440	410	430	410	40			
Meghnaghat IEL	HFO	RPP	12x8.9	100	100	8	97	89	100				
Madanganj 102 MW	HFO	QRPP 3yrs	6x17.08	102	100	15	100	67	100				
Keraniganj	HFO	RPP	8x14.4	100	100	10	101	100	100				
Narshingdi	Gas	SIPP.REB	8X2.90	22	22	19	19	15	19		3	Synchronized at 33KV, 1 Machine problem	
Siddhirgonj ST	Gas	PDB	1x210	210	150	0	0	0	0	150			
Siddhirgonj GT-1, 2	Gas	EGCB	2x120	210	210	0	0	0	0	210			
Siddhirganj 100MW	HSD	QRPP 3yrs	96x1.2	96	96	0	0	0	0		6	Reserve	
Dutch Bangla 100 MW	HFO	RPP	12x8.9	100	100	8	92	93	100				
DPA Power 50MW	HSD	QRPP 3yrs	10X0.5	50	50	7	0	0	0			Expired, run as per instruction of DS (Gen)	
Summit Power (Dhaka)	Gas	SIPP.REB		146	146	93	102	88	102			Synchronized at 33KV	
Gazipur RPCL	HFO	IPP	6x8.9	52	52	0	52	0	52				
Tongi GT	Gas	PDB	1X 105	105	105	0	0	0	0	105			
Dhaka Area Total				***3894***	***3664***	***1990***	***2273***	***1969***	***2316***	756	368		
Chittagong Raozan ST 1	Gas	PDB	1x210	210	180	0	0	0	0	180		15/08/13	Unknown
Chittagong Raozan ST 2	Gas	PDB	1x210	210	180	0	0	0	0	180		31/07/13	Unkhown
Raozan 25 MW	HFO	RPCL	3*8.9	25	25	0	26	0	25				
Kaptai Hydro unit 1,2,3,4 & 5		PDB	2X40+3X50	230	220	40	46	40	46				
Sikalbaha ST	Gas	PDB	1X60	60	40	0	0	0	0	40		7/11/2013	Unknown
Sikalbaha GT	Gas	PDB	1x150	150	150	0	0	0	0	150		24/01/14	Unknown
Sikalbaha	HFO	RPP 3yrs	4X12.5+2X11	0	0	0	0	0	0			contract date expired 06/05/2013	
Hathazari	HFO	PDB	11x8.9	98	98	0	98	0	98				
Dohazari	HFO	PDB	6x17	102	102	0	85	0	102				
Julda	HFO	RPP	8x11.45	100	100	10	92	85	92		8		
Barabkunda	Gas	SIPP.PDB	8X2.90	22	22	14	13	13	13		9	Synchronized at 33KV, 2 Machine problem	
Malancha,Ctg EPZ	Gas					3	21	1	21				
Chittagong area Total				***1207***	***1117***	***67***	***381***	***139***	***397***	550	17		
Ashuganj ST 1 & 2	Gas	APSCL	2x64	128	110	0	0	0	0		110	# 2 (25/01/14), #1(29/01/14)	Unkhown
Ashuganj ST 3	Gas	APSCL	1x150	150	140	140	140	140	140				
Ashuganj ST 4	Gas	APSCL	1x150	150	150	150	150	150	150				
Ashuganj ST 5	Gas	APSCL	1x152	150	140	140	140	140	140				
Ashuganj CCPP	Gas	APSCL	2x56+34	146	91	40	40	40	40	35	16	ST(08/09/13), #1 (06/01/14)	Unkhown
Ashuganj 50 MW TSK	Gas	APSCL	16x3.35	53	51	26	27	26	30		24	6 Machine problem	
Ashuganj Precision	Gas	RPP 3yrs	15x4	55	55	54	54	54	54				
Ashuganj Aggreko	Gas	RPP	82x1.1	80	80	75	83	77	80				
Ashuganj UP-53 MW	Gas	RPP	14x4	53	53	44	45	45	45				
Ashuganj Midland	Gas	IPP		51	51	54	43	54	51				
Brahmanbaria 70MW	Gas	QRPP 3yrs	72x1	70	70	70	72	70	70				
Daudkandi 50 MW	FO	PDB	6x8.92	52	52	0	0	0	50				
Chandpur CCPP	Gas	PDB	1x106+1x57	163	163	0	0	0	0	163			
Feni	Gas	SIPP.PDB	8X2.90	22	22	22	22	21	22				
Mahipal,Feni	Gas	SIPP.REB	4X2.90	11	11	8	11	8	11			Synchronized at 33KV	
Jangalia	Gas	SIPP.PDB	4X8.73	33	33	33	34	33	33			Synchronized at 33KV	
Summit Power (Comilla)	Gas	SIPP.REB	3x3.67+2x6.97	25	25	15	15	15	15		10	Synchronized at 33KV, 3 Machine problem	
Comilla Area Total				***1392***	***1297***	***871***	***876***	***873***	***931***	198	160		
RPCL CCPP,Mymensing	Gas	IPP	4X35+1x70	210	197	162	140	159	150	57			
Tangail	Gas	SIPP.PDB	8X2.90	22	22	19	19	19	19		3	Synchronized at 33KV, 1 Machine problem	
Mymensing Area Total				***232***	***219***	***181***	***159***	***178***	***169***	57	3		
Fenchugonj CCPP (old)	Gas	PDB	2x32+1x33	97	90	60	62	39	62		28	ST #1 (17/01/2014)	Unkhown
Fenchugonj CCPP (new)	Gas	PDB	2x35+1x35	104	104	90	90	90	90		14		
Fenchugonj BEDL	Gas	RPP 15yrs	16X2.90	51	51	45	45	45	45				
Fenchugonj Prima 50 MW	Gas	RPP	12x3.3+5x2	44	44	32	42	42	42				
Hobigarj	Gas	SIPP.REB	4X2.90	11	11	10	10	9	10			Synchronized at 33KV	
Shahjibazar GT 8,9	Gas	PDB	2X35	70	66	42	35	24	35			#9 (03/02/2014)	Unknown
Shahjibazar 86 MW	Gas	RPP 15yrs	32X2.90	86	86	72	76	72	76		10	3 Machine problem	
Shahjibazar 50 MW	Gas	RPP 3yrs	27X2.0	50	50	46	48	48	48				
Sylhet 150 MW	Gas	PDB	1x150+1x75	142	142	123	78	143	142				
Sylhet GT	Gas	PDB	1X20	20	20	0	0	0	0			29/01/2014	6/2/2014
Sylhet 50MW	Gas	RPP 3yrs	28x1.95	50	50	38	42	43	46		8	2 Machine problem	
Shahjahanulla 25MW	Gas	CIPP	3x8.34	25	25	11	18	6	18		7	2 Machine problem	
Sylhet 11 MW	Gas	RPP 15yrs	6X1.95	10	10	8	9	9	9				
Sylhet Area Total				***760***	***749***	***577***	***555***	***570***	***623***	*0*	67		
Bheramara GT 1, 2 & 3	HSD	PDB	3X20	60	46	0	14	0	0			Reserve	
Bheramara	HSD	RPP 3yrs	X8.5+2x6+2X	105	105	0	0	0	0		105	14 Machine problem, & 04 shorta	Unknown
HVDC C/B Interconnector		India		500	500	474	474	474	474				
Khulna ST 110MW	FO	PDB	1X110	110	55	0	0	0	0		55	9/12/2013	Unknown
Khulna ST 60 MW	FO	PDB	1X60	60	30	0	0	0	0		30	24/01/12	Unknown
KPCL ,Khulna.	HFO	IPP	19x6.5	110	110	5	110	5	110				
KPCL ,Khulna.(new)	HFO	IPP	7x17	115	115	66	100	33	100			1 Machime problem	
Faridpur	FO	PDB	8x6.89	54	54	0	50	0	50				
Khulna 150MW	HSD	NWZPGCL	1x150	150	150	0	65	0	0			Reserve	
Gopalganj 110 MW	HFO	PDB	16x6.98	109	109	0	102	0	102				
Noapara (105 MW)Quantan	HFO	RPP	3x5+9.5x6+9.2	101	101	0	0	0	0		101	13 Machine problem	
Noapara (40 MW),KZA	HFO	RPP	5x8	40	40	40	40	40	0			Reserve	
Khulna 40 MW	HSD	RPP 3yrs	5X0.80	40	40	0	0	0	0			Contact date expired 16/08/13	
Khulna 55 MW	HSD	QRPP 3yrs	71X0.85	55	55	0	0	0	0			Expired , run as per instr. of DS (Reserve	
Khulna Area Total				***1609***	***1510***	***585***	***955***	***552***	***836***	*0*	291		
Barisal GT 1 & 2	HSD	PDB	2X20	40	32	0	0	0	0			#2 (09/01/2014 Reserve	Unkhown
Bhola	Gas	RPP 3yrs	1X34.50	33	33	0	0	0	0		33	15/8/2013	Unknown
Barisal Area Total				***73***	***65***	***0***	***0***	***0***	***0***	*0*	33		
Baghabari GT 1	Gas	SBU,PDB	1X71	71	71	75	76	77	71				
Baghabari GT 2	Gas	SBU,PDB	1X100	100	100	110	107	110	100				
Baghabari 50 MW	HFO	PDB	6x8.9	52	52	0	49	0	49				
Baghabari Westmont	Gas	IPP	2x45	90	70	0	0	0	0		70	*#1(15/12),#2(24/4/13)*	Unknown
Bera 70 MW	HFO	PDB	9x8.29	71	71	0	71	0	71				
Amnura 50 MW	HFO	RPP	7x7.79	50	50	0	0	0	50				
Katakhali NPS 50 MW	HFO	RPP	6x8.92	50	50	8	50	8	50				
Katakhali PPP 50 MW	HFO	PDB	6x8.7	50	50	0	48	0	48				
Sirajganj 150 MW	Gas	NWPGCL	1x150	150	150	130	80	155	150				
Santahar 50 MW	HFO	PDB	6x8.7	50	50	0	46	0	46				
Bogra GBB	Gas	RPP 15yrs	6X4	20	22	21	22	21	22			Synchronized at 33KV	
Bogra 20MW	Gas	RPP 3yrs	5x3.3+5x2	20	20	13	15	14	15		5	1 Machine problem	
Summit Power (Ullapara)	Gas	SIPP.REB	4X2.90	11	11	8	8	8	8		3	Synchronized at 33KV, 1 Machine problem	
Rajlanka 52 MW	FO	IPP				0	52	0	52				
Rajshahi Area Total				***785***	***767***	***365***	***624***	***393***	***732***	*0*	78		
Barapukuria ST 1	Coal	PDB	1x125	125	100	0	0	0	0		100	1/2/2014	Unknown
Barapukuria ST 2	Coal	PDB	1x125	125	100	92	96	90	96				
Rangpur GT	HSD	PDB	1X20	20	20	0	0	0	0			Reserve	
Sayadpur GT	HSD	PDB	1X20	20	20	0	0	0	0			Reserve	
Thakurgaon	HSD	RPP 3yrs	20X1.5+21X1.1	47	47	0	0	0	0			expired , run as per instr. of DS (Gen)	
Rangpur Area Total				***337***	***287***	***92***	***96***	***90***	***96***	***0***	***100***		
Total				**10289**	**9675**	**4728**	**5919.0**	**4764**	**6100**	**1561**	**1117**		

Usuable load at Substation end after deducting Auxiliary use & Transmission loss: 4369 5469 4402 5636

3-Feb-14 (Yesterday) Monday

Highest Generation	:	**5919.0**	MW	at	**19:00**	hrs	11 Evening Peak Hour :	**19:00**	hrs.
Minimum Generation	:	**3226.0**	MW	at	**4:00**	hrs	12 Max. Demand (Generation end) at evening peak hour :	**5919**	MW
Day peak Generation	:	**4728.0**	MW	at	**9:00**	hrs	13 Max. Demand (Substation end) at evening peak hour :	**5469**	MW
Evening peak Generation	:	**5919.0**	MW	at	**19:00**	hrs	14 Load Shed (Substation end) at evening peak hour :	**0**	MW

Total Energy Generation : 104.11 MKWHr
By Gas: 79.44 MKWHr By Oil: 10.18 MKWHr
By Coal: 2.14 MKWHr By Hydro: 0.93 MKWHr

Generation Shortfall : For Gas: 936 For Oil: 775 MW
For Water Shortage: 0 MW
For Plants S/D or M/C prob: 1117 MW

Total Gas Supplied : **775.87** MMCFD

Fuel Cost : i) Gas : Taka 61956315 ii) Oil : Taka 88014467
iii) Coal : Taka 8747653 Total Taka 158718435

Export Through E-W Interconnectors : i) Energy 7.062 MKWHr.
ii) During Peak Demand : **180** MW at 19:00 hrs
iii) Maximum : 180 MW at 19:00 hrs

Maximum Temperature in Dhaka was **25° C**

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	2012	2012	0	
Chittagong	564	564	0	
Khulna	678	678	0	
Rajshahi	642	642	0	
Comilla	423	423	0	
Mymensing	386	386	0	
Sylhet	277	277	0	
Barisal	122	122	0	
Rangpur	365	365	0	
Total	5469	5469	0	

16 Hourly Load Shed during Evening Peak hours :

Time	Loadshed 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

4-Feb-14 (Today) Tuesday Probable max. temperature in Dhaka **25° C**

orecast

Maximum Demand (Generation end)	**6000**	MW
Maximum Generation (Generation end)	**6100**	MW
Shortage (Generation end)	**-100**	MW
Total Energy Generation	**104**	MKWHr
Actual Minimum Generation up to 8:00 hrs.	3251	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

ort Through HVDC C/B Interconnector : i) Energy 11.424 MKWHr.
ring peak Demand : 474 MW at 19:00 hrs
aximum : 474 MW at 1:00 hrs

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

Sub Divisional Engineer
Network Operation Division

Executive Engineer
Network Operation Division