QF-LDC-07

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

Month : Feb-2014 | Day : Sunday | Date : 2-Feb-14

Probable Maximum Generation : (a) At Day Peak Hour : 4693 MW | (b) At Evening Peak Hour : 6076 MW

Water Level of Kaptai Lake at 06:00 AM (a) Yesterday : 93.35 ft (b) Today: 92.26 ft (c) Rule Curve: 96.86 ft

| Sl. | Name of the Power Station | Fuel | Producer | Installed Capacity | | Derated/ Present Capacity | Actual Generation On 1-Feb-14 Day Peak | Actual Generation On 1-Feb-14 Ev. Peak | Available Geneneration On 2-Feb-14 Day Peak | Available Geneneration On 2-Feb-14 Ev. Peak | Ev. Peak Gen. for Fuel Limitation | 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 | 81 | 81 | 81 | 81 | | | | |
| 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 | 120 | 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 | #3(28/07/12) | Unkhown |
| 2 | Ghorashal 100 MW | Gas | QRPP 3yrs | 128X0.85 | 100 | 100 | 97 | 99 | 97 | 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 | 63 | 58 | 62 | 78 | | 20 | 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(1 | Unkhown |
| 6 | Haripur EGCB 360 MW | Gas | EGCB | | 412 | 412 | 90 | 203 | 462 | 203 | | | On test | |
| 7 | Haripur NEPC | HFO | IPP | 8x15 | 110 | 110 | 7 | 95 | 30 | 95 | | 15 | 1 Machine problem | |
| 8 | Haripur P. Ltd CCPP | Gas | IPP | 235+125 | 360 | 360 | 275 | 220 | 197 | 220 | 140 | | | |
| 9 | Meghnaghat P.Ltd CCPP | Gas | IPP | 3X150 | 450 | 450 | 455 | 410 | 430 | 410 | 40 | | | |
| 10 | Meghnaghat IEL | HFO | RPP | 12x8.9 | 100 | 100 | 80 | 89 | 89 | 100 | | 11 | 1 Machine problem | |
| 11 | Madanganj 102 MW | HFO | QRPP 3yrs | 6x17.08 | 102 | 100 | 51 | 100 | 90 | 100 | | | | |
| 12 | Keraniganj | HFO | RPP | 8x14.4 | 100 | 100 | 21 | 100 | 10 | 100 | | | | |
| 13 | Narshingdi | Gas | SIPP.REB | 8X2.90 | 22 | 22 | 18 | 19 | 19 | 19 | | 3 | 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 | 25 | 0 | 0 | 0 | 210 | | | |
| 15 | Siddhirganj 100MW | HSD | QRPP 3yrs | 96x1.2 | 96 | 96 | 0 | 0 | 0 | 90 | | 96 | | |
| 16 | Dutch Bangla 100 MW | HFO | RPP | 12x8.9 | 100 | 100 | 50 | 100 | 92 | 100 | | | | |
| 17 | DPA Power 50MW | HSD | QRPP 3yrs | 100X0.5 | 50 | 50 | 0 | 0 | 0 | 0 | | | Expired, run as per instruction of DS (Gen) | |
| 18 | Summit Power (Dhaka) | Gas | SIPP.REB | | 146 | 146 | 101 | 103 | 100 | 103 | | | Synchronized at 33KV | |
| 19 | Gazipur RPCL | HFO | IPP | 6x8.9 | 52 | 52 | 0 | 17 | 0 | 52 | | | | |
| 20 | Tongi GT | Gas | PDB | 1X 105 | 105 | 105 | 0 | 0 | 0 | 0 | 105 | | Gas pressure low | |
| | *Dhaka Area Total* | | | | ***3894*** | ***3664*** | ***1939*** | ***2220*** | ***2223*** | ***2376*** | 685 | 425 | | |
| 21a | Chittagong Raozan ST 1 | Gas | PDB | 1x210 | 210 | 180 | 0 | 0 | 0 | 0 | 180 | | 15/08/13 | Unkhown |
| 21b | Chittagong Raozan ST 2 | Gas | PDB | 1x210 | 210 | 180 | 0 | 0 | 0 | 0 | 180 | | 31/07/13 | Unkhown |
| 22 | Raozan 25 MW | HFO | RPCL | 3*8.9 | 25 | 25 | 0 | 8 | 0 | 26 | | | | |
| 23 | Kaptai Hydro unit 1,2,3,4 & 5 | | PDB | 2X40+3X50 | 230 | 220 | 46 | 46 | 40 | 46 | | | | |
| 24a | Sikalbaha ST | Gas | PDB | 1X60 | 60 | 40 | 0 | 0 | 0 | 0 | 40 | | 7/11/2013 | Unkhown |
| 24b | Sikalbaha GT | Gas | PDB | 1x150 | 150 | 150 | 0 | 0 | 0 | 0 | 150 | | 24/01/14 | Unkhown |
| 25 | Sikalbaha | HFO | RPP 3yrs | 4X12.5+2X11.9 | 0 | 0 | 0 | 0 | 0 | 0 | | | contract date expired 06/05/2013 | |
| 26 | Hathazari | HFO | PDB | 11x8.9 | 98 | 98 | 0 | 98 | 0 | 98 | | | | |
| 27 | Doharazari | HFO | PDB | 6x17 | 102 | 102 | 0 | 51 | 0 | 102 | | | | |
| 28 | Julda n | HFO | RPP | 8x13.45 | 100 | 100 | 30 | 92 | 83 | 92 | | 8 | | |
| 29 | Barabkunda | Gas | SIPP.PDB | 8X2.90 | 22 | 22 | 13 | 14 | 0 | 14 | | 8 | Synchronized at 33KV, 2 Machine problem | |
| 30 | Maiancha,Ctg EPZ | Gas | | | | | 4 | 22 | 4 | 22 | | | | |
| | *Chittagong area Total* | | | | ***1207*** | ***1117*** | ***93*** | ***331*** | ***127*** | ***400*** | 550 | 16 | | |
| 31a | Ashuganj ST 1 & 2 | Gas | APSCL | 2x64 | 128 | 110 | 0 | 0 | 0 | 0 | | 110 | # 2 (25/01/14), #1(29/01/14) | 31/01/2014 |
| 31b | Ashuganj ST 3 | Gas | APSCL | 1x150 | 150 | 140 | 140 | 140 | 140 | 140 | | | | |
| 31c | Ashuganj ST 4 | Gas | APSCL | 1x150 | 150 | 150 | 150 | 150 | 150 | 150 | | | | |
| 31d | Ashuganj ST 5 | Gas | APSCL | 1x152 | 150 | 140 | 140 | 140 | 140 | 140 | | | | |
| 31e | Ashuganj CCPP | Gas | APSCL | 2x56+34 | 146 | 91 | 40 | 40 | 40 | 40 | 35 | 16 | ST(08/09/13), #1 (06/01/14) | Unkhown |
| 31f | Ashuganj 50 MW TSK | Gas | APSCL | 16x3.35 | 53 | 51 | 15 | 25 | 22 | 25 | | 26 | 8 Machine problem | |
| 32 | Ashuganj Precision | Gas | RPP 3yrs | 15x4 | 55 | 55 | 54 | 53 | 36 | 55 | | | | |
| 33 | Ashuganj Aggreko | Gas | RPP | 82x1.1 | 80 | 80 | 77 | 80 | 73 | 80 | | | | |
| 34 | Ashuganj UP-53 MW | Gas | RPP | 14x4 | 53 | 53 | 49 | 49 | 40 | 49 | | | | |
| 35 | Ashuganj Midland | Gas | IPP | | 51 | 51 | 54 | 54 | 53 | 51 | | | | |
| 36 | Brahmanbaria 70MW | Gas | QRPP 3yrs | 72x1 | 70 | 70 | 72 | 72 | 69 | 70 | | | | |
| 37 | Daudkandi 50 MW | FO | PDB | 6x8.92 | 52 | 52 | 0 | 50 | 0 | 50 | | | | |
| 38 | Chandpur CCPP | Gas | PDB | 1x106+1x57 | 163 | 163 | 0 | 0 | 0 | 0 | 163 | | Gas pressure low | |
| 39 | Feni | Gas | SIPP.PDB | 8X2.90 | 22 | 22 | 22 | 21 | 22 | 22 | | | | |
| 40 | Mahipal,Feni | Gas | SIPP.REB | 4X2.90 | 11 | 11 | 11 | 11 | 8 | 11 | | | Synchronized at 33KV | |
| 41 | Jangalia | Gas | SIPP.PDB | 4X8.73 | 33 | 33 | 33 | 33 | 34 | 33 | | | Synchronized at 33KV | |
| 42 | 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*** | ***872*** | ***933*** | ***842*** | ***931*** | 198 | 162 | | |
| 43 | RPCL CCPP,Mymensing | Gas | IPP | 4X35+1x70 | 210 | 197 | 161 | 152 | 161 | 152 | 45 | | Gas pressure low | |
| 44 | Tangail | Gas | SIPP.PDB | 8X2.90 | 22 | 22 | 20 | 19 | 19 | 19 | | 3 | Synchronized at 33KV, 1 Machine problem | |
| | *Mymensing Area Total* | | | | ***232*** | ***219*** | ***181*** | ***171*** | ***180*** | ***171*** | 45 | 3 | | |
| 45a | Fenchuganj CCPP (old) | Gas | PDB | 2x22+1x33 | 97 | 90 | 37 | 41 | 40 | 41 | | 49 | GT #1 (17/01/2014) | Unkhown |
| 45b | Fenchuganj CCPP (new) | Gas | PDB | 2x35+1x35 | 104 | 104 | 85 | 90 | 90 | 90 | | 14 | | |
| 46 | Fenchuganj BEDL | Gas | RPP 15yrs | 19X2.90 | 51 | 51 | 45 | 47 | 47 | 47 | | 4 | 1 Machine problem. | |
| 47 | Fenchuganj Prima 50 MW | Gas | RPP | 12x3.3+5x2 | 44 | 44 | 34 | 35 | 35 | 35 | | 9 | 2 Machine problem. | |
| 48 | Hobiganj | Gas | SIPP.REB | 4X2.90 | 11 | 11 | 10 | 10 | 10 | 10 | | | Synchronized at 33KV | |
| 49 | Shahjibazar GT 8,9 | Gas | PDB | 2X35 | 70 | 66 | 54 | 63 | 42 | 66 | | | | |
| 50 | Shahjibazar 86 MW | Gas | RPP 15yrs | 32X2.90 | 86 | 86 | 72 | 75 | 70 | 75 | | 11 | 3 Machine problem | |
| 51 | Shahjibazar 50 MW | Gas | RPP 3yrs | 27X2.0 | 50 | 50 | 47 | 48 | 47 | 48 | | | | |
| 52 | Sylhet 150 MW | Gas | PDB | 1x150+1x75 | 142 | 142 | 123 | 143 | 106 | 142 | | | | |
| 53 | Sylhet GT | Gas | PDB | 1X20 | 20 | 20 | 0 | 0 | 0 | 0 | | | 29/01/2014 | 3/2/2014 |
| 54 | Sylhet 50MW | Gas | RPP 3yrs | 2*8x1.95 | 50 | 50 | 40 | 43 | 43 | 43 | | 7 | 1 Machine problem | |
| 55 | Shahjahanulla 25MW | Gas | CIPP | 3x9.34 | 25 | 25 | 10 | 9 | 4 | 9 | | 16 | 1 Machine problem | |
| 56 | Sylhet 11 MW | Gas | RPP 15yrs | 6X1.95 | 10 | 10 | 10 | 10 | 9 | 10 | | | | |
| | *Sylhet Area Total* | | | | ***760*** | ***749*** | ***567*** | ***614*** | ***543*** | ***616*** | *0* | 110 | | |
| 57 | Bheramara GT 1, 2 & 3 | HSD | PDB | 3X20 | 60 | 46 | 0 | 16 | 0 | 0 | | | Reserve | |
| 58 | Bheramara | HSD | RPP 3yrs | 2X8.5+2X6+2X( | 105 | 105 | 0 | 0 | 0 | 0 | | 105 | 14 Machine problem, & oil shortag | Unkhown |
| 59 | HVDC C/B Interconnector | | India | | 500 | 500 | 474 | 474 | 474 | 474 | | | | |
| 60a | Khulna ST 110MW | FO | PDB | 1X110 | 110 | 55 | 0 | 0 | 0 | 0 | | 55 | 3/12/2013 | Unkhown |
| 60b | Khulna ST 60 MW | FO | PDB | 1X60 | 60 | 30 | 0 | 0 | 0 | 0 | | 30 | 24/01/12 | Unkhown |
| 61 | KPCL ,Khulna. | HFO | IPP | 19x6.5 | 110 | 110 | 5 | 107 | 5 | 110 | | | | |
| 62 | KPCL ,Khulna.(new) | HFO | IPP | 7x17 | 115 | 115 | 113 | 115 | 49 | 115 | | | | |
| 63 | Faridpur | FO | PDB | 8x6.89 | 54 | 54 | 0 | 50 | 0 | 50 | | | | |
| 64 | Khulna 150MW | HSD | NWZPGCL | 1x150 | 150 | 150 | 0 | 44 | 0 | 0 | | | Reserve | |
| 65 | Gopalganj 110 MW | HFO | PDB | 16x6.98 | 109 | 109 | 0 | 101 | 0 | 101 | | 8 | 1 Machine problem | |
| 66 | Noapara (105 MW)Quantam | HFO | RPP | 9x5+9.5x6+9.2x | 101 | 101 | 0 | 0 | 0 | 0 | | 101 | 13 Machine problem | |
| 67 | Noapara (40 MW),KZA | HFO | RPP | 5x8 | 40 | 40 | 33 | 40 | 24 | 0 | | | Reserve | |
| 68 | Khulna 40 MW | HSD | RPP 3yrs | 50X0.80 | 40 | 40 | 0 | 0 | 0 | 0 | | | Contact date expired 16/08/13 | |
| 69 | Khulna 55 MW | HSD | QRPP 3yrs | 71X0.85 | 55 | 55 | 0 | 12 | 0 | 0 | | | Expired , run as per instr. of DS (Reserve | |
| | *Khulna Area Total* | | | | ***1609*** | ***1510*** | ***625*** | ***959*** | ***552*** | ***850*** | *0* | 299 | | |
| 70 | Barisal GT 1 & 2 | HSD | PDB | 2X20 | 40 | 32 | 0 | 0 | 0 | 0 | | | #2 (05/01/2014 Reserve | Unkhown |
| 71 | Bhola | Gas | RPP 3yrs | 1X34.50 | 33 | 33 | 0 | 0 | 0 | 0 | | 33 | 15/8/2013 | Unkhown |
| | *Barisal Area Total* | | | | ***73*** | ***65*** | ***0*** | ***0*** | ***0*** | ***0*** | *0* | 33 | | |
| 72a | Baghabari GT 1 | Gas | SBU.PDB | 1X71 | 71 | 71 | 74 | 72 | 76 | 71 | | | | |
| 72b | Baghabari GT 2 | Gas | SBU.PDB | 1X100 | 100 | 100 | 0 | 0 | 0 | 0 | | | 31/01/14 | 3/2/2014 |
| 73 | Baghabari 50 MW | HFO | PDB | 6x8.9 | 52 | 52 | 0 | 40 | 0 | 40 | | | | |
| 74 | Baghabari Westmont | Gas | IPP | 2X45 | 90 | 70 | 0 | 0 | 0 | 0 | | 70 | #1(1/5/12),#2(24/4/13) | Unkhown |
| 75 | Bera 70 MW | HFO | PDB | 9x8.29 | 71 | 71 | 0 | 71 | 0 | 71 | | | | |
| 76 | Amnura 50 MW | HFO | RPP | 7x7.79 | 50 | 50 | 0 | 23 | 0 | 50 | | | | |
| 77 | Katakhali NPS 50 MW | HFO | RPP | 6x8.92 | 50 | 50 | 8 | 50 | 8 | 50 | | | | |
| 78 | Katakhali PPP 50 MW | HFO | PDB | 6x8.7 | 50 | 50 | 0 | 39 | 0 | 50 | | | | |
| 79 | Sirajganj 150 MW | Gas | NWPGCL | 1x150 | 150 | 150 | 130 | 146 | 100 | 146 | | | | |
| 80 | Santahar 50 MW | HFO | PDB | 6x8.7 | 50 | 50 | 0 | 45 | 0 | 45 | | | | |
| 81 | Bogra GBB | Gas | RPP 15yrs | 6X4 | 20 | 22 | 14 | 22 | 22 | 22 | | | Synchronized at 33KV | |
| 82 | Bogra 20MW | Gas | RPP 3yrs | 5x3.3+5x2 | 20 | 20 | 12 | 13 | 12 | 13 | | 7 | 2 Machine problem | |
| 83 | Summit Power (Ullapara) | Gas | SIPP.REB | 4X2.90 | 11 | 11 | 5 | 8 | 8 | 8 | | 3 | Synchronized at 33KV, 1 Machine problem | |
| 84 | Rajlanka 52 MW | FO | IPP | | | | 27 | 53 | 0 | 52 | | | | |
| | *Rajshahi Area Total* | | | | ***785*** | ***767*** | ***270*** | ***582*** | ***226*** | ***618*** | *0* | 80 | | |
| 85a | Barapukuria ST 1 | Coal | PDB | 1x125 | 125 | 100 | 0 | 0 | 0 | 0 | | 100 | 1/2/2014 | 4/1/2014 |
| 85b | Barapukuria ST 2 | Coal | PDB | 1x125 | 125 | 100 | 0 | 0 | 0 | 78 | | 100 | *1 Machine problem* | |
| 86 | Rangpur GT | HSD | PDB | 1X20 | 20 | 20 | 0 | 0 | 0 | 0 | | | Reserve | |
| 87 | Sayadpur GT | HSD | PDB | 1X20 | 20 | 20 | 0 | 0 | 0 | 0 | | | Reserve | |
| 88 | Thakurgaon | HSD | RPP 3yrs | 20X1.5+21X1.1 | 47 | 47 | 15 | 0 | 0 | 36 | | | expired , run as per instr. of DS (Gen) | |
| | *Rangpur Area Total* | | | | ***337*** | ***287*** | ***15*** | ***0*** | ***0*** | ***114*** | ***0*** | ***200*** | | |
| | Total | | | | **10289** | **9675** | **4562** | **5810.0** | **4693** | **6076** | **1478** | **1328** | | |
| | Useable load at Substation end after deducting Auxiliary use & Transmission loss | | | | | | 4261 | 5427 | 4384 | 5675 | | | | |

**A. 1-Feb-14** (Yesterday)

| | | | | | | |
|---|---|---|---|---|---|---|
| 1 | Highest Generation : | **5810.0** MW at **19:00** hrs | 11 Evening Peak Hour : | **19:00** hrs. |
| 2 | Minimum Generation : | **3080.0** MW at **5:00** hrs | 12 Max. Demand (Generation end) at evening peak hour : | **5810** MW |
| 3 | Day peak Generation : | **4562.0** MW at **9:00** hrs | 13 Max. Demand (Substation end) at evening peak hour : | **5427** MW |
| 4 | Evening peak Generation : | **5810.0** MW at **19:00** hrs | 14 Load Shed (Substation end) at evening peak hour : | **0** MW |

5 Total Energy Generation : 100.51 MKWHr
By Gas: 77.05 MKWHr By Oil: 11.32 MKWHr
By Coal: 0.00 MKWHr By Hydro: 0.91 MKWHr

6 Generation Shortfall : For Gas: 865 MW For Oil: 763 MW
For Water Shortage: **0** MW Chittagong 580 580 0
For Plants S/D or M/C prob: 1328 MW Khulna 676 676 0

7 Total Gas Supplied : **767.24** MMCFD

8 Fuel Cost : i) Gas : Taka 61267175 ii) Oil Taka 96241672
iii) Coal : Taka 0 Total Taka 157508847

9 Export Through E-W Interconnectors : i) Energy 8.999 MKWHr.
ii) During Peak Demand : **160** MW at 19:00 hrs
iii) Maximum : 170 MW at 18:00 hrs

10 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 | 1961 | 1961 | 0 | |
| Chittagong | 580 | 580 | 0 | |
| Khulna | 676 | 676 | 0 | |
| Rajshahi | 647 | 647 | 0 | |
| Comilla | 407 | 407 | 0 | |
| Mymensing | 403 | 403 | 0 | |
| Sylhet | 272 | 272 | 0 | |
| Barisal | 126 | 126 | 0 | |
| Rangpur | 355 | 355 | 0 | |
| Total | 5427 | 5427 | 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. 2-Feb-14** (Today) Sunday Probable max. temperature in Dhaka **25° C**

Forecast

| | | | |
|---|---|---|---|
| 1 | Maximum Demand (Generation end) | **6000** | MW |
| 2 | Maximum Generation (Generation end) | **6076** | MW |
| 3 | Shortage (Generation end) | **-76** | MW |
| 4 | Total Energy Generation | **100** | MKWHr |
| 5 | Actual Minimum Generation up to 8:00 hrs. | 3250 | 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 | Mymensin | 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 11.218909 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**