QF-LDC-07

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

Month : Jan-2014 | Day : Thursday | Date : 9-Jan-14

Probable Maximum Generation : (a) At Day Peak Hour : 4152 MW | (b) At Evening Peak Hour : 5689 MW

Water Level of Kaptai Lake at 06:00 AM (a) Yesterday : 94.21 ft | (b) Today: 94.13 ft | (c) Rule Curve: 101.48 ft

| Sl. | Name of the Power Station | Fuel | Producer | Instslled Capacity | | Derated/ Present Capacity | Actual Generation On 8-Jan-14 Day Peak | Actual Generation On 8-Jan-14 Ev. Peak | Available Geneneration On 9-Jan-14 Day Peak | Available Geneneration On 9-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 | 87 | 90 | 87 | | | | |
| 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 | 128X0.85 | 100 | 100 | 52 | 100 | 33 | 100 | | | | |
| 3 | Ghorashal 45 MW | Gas | QRPP 3yrs | 50X0.85 | 45 | 45 | 44 | 47 | 45 | 45 | | | Synchronized at 33KV | |
| 4 | Ghorashal MAX | Gas | RPP | 4x19.6 | 78 | 78 | 63 | 61 | 63 | 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 | 0 | 95 | 0 | 95 | | 15 | 1 Machine problem | |
| 8 | Haripur P. Ltd CCPP | Gas | IPP | 235+125 | 360 | 360 | 358 | 310 | 384 | 310 | 50 | | | |
| 9 | Meghnaghat P.Ltd CCPP | Gas | IPP | 3X150 | 450 | 450 | 456 | 450 | 456 | 450 | 0 | | | |
| 10 | Meghnaghat IEL | HFO | RPP | 12x8.9 | 100 | 100 | 8 | 88 | 8 | 89 | | 12 | 1 Machine problem | |
| 11 | Madanganj 102 MW | HFO | QRPP 3yrs | 6x17.08 | 102 | 100 | 16 | 97 | 0 | 102 | | | | |
| 12 | Keraniganj | HFO | RPP | 8x14.4 | 100 | 100 | 13 | 40 | 10 | 100 | | | | |
| 13 | Narshingdi | Gas | SIPP,REB | 8X2.90 | 22 | 22 | 19 | 19 | 19 | 19 | | 3 | Synchronized at 33KV, 1 Machine problem | |
| 14a | Siddhirgonj ST | Gas | PDB | 1x210 | 210 | 150 | 105 | 110 | 110 | 110 | 40 | | | |
| 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 | 0 | 0 | 0 | | | Reserve | |
| 16 | Dutch Bangla 100 MW | HFO | RPP | 12x8.9 | 100 | 100 | 8 | 83 | 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 | 70 | 97 | 98 | 100 | | | Synchronized at 33KV | |
| 19 | Gazipur RPCL | HFO | IPP | 6x8.9 | 52 | 52 | 0 | 0 | 0 | 52 | | | | |
| 20 | Tongi GT | Gas | PDB | 1X 105 | 105 | 105 | 0 | 0 | 0 | 0 | 105 | | | |
| | *Dhaka Area Total* | | | | *3894* | *3664* | *1777* | *2164* | *1804* | *2300* | 445 | 327 | | |
| 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 | 42 | | | | |
| 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 | | 6/1/2014 | 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 | 68 | 0 | 102 | | | Low demand | |
| 8 | Juldah | HFO | RPP | 8x13.45 | 100 | 100 | 40 | 92 | 10 | 92 | | 8 | | |
| 9 | Barabkunda | Gas | SIPP,PDB | 8X2.90 | 22 | 22 | 9 | 0 | 0 | 11 | | 22 | Synchronized at 33KV, 8 Machine problem | |
| 10 | Malancha,Ctg EPZ | Gas | | | | | 8 | 17 | 6 | 17 | | | | |
| | *Chittagong area Total* | | | | *1207* | *1117* | *97* | *347* | *56* | *388* | 550 | 30 | | |
| 1a | Ashuganj ST 1 & 2 | Gas | APSCL | 2x64 | 128 | 110 | 80 | 80 | 80 | 80 | | 30 | | |
| 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 | 80 | 80 | 80 | 80 | | 60 | | |
| 1e | Ashuganj CCPP | Gas | APSCL | 2x56+34 | 146 | 91 | 0 | 0 | 0 | 0 | | 91 | ST(08/09/13),#2(29/11/13), #1 (06 | Unkhown |
| 1f | Ashuganj 50 MW TSK | Gas | APSCL | 16x3.35 | 53 | 53 | 15 | 21 | 21 | 21 | | 32 | 09 Machine problem | |
| 2 | Ashuganj Precision | Gas | RPP 3yrs | 15x4 | 55 | 55 | 35 | 54 | 24 | 55 | 1 | | | |
| 3 | Ashuganj Aggrekko | Gas | RPP | 82x1.1 | 80 | 80 | 32 | 81 | 75 | 80 | | | | |
| 4 | Ashuganj UP-53 MW | Gas | RPP | 14x4 | 53 | 53 | 30 | 45 | 37 | 45 | 8 | | gas pressure low. | |
| 5 | Ahuganj Midland | Gas | IPP | | | 51 | 9 | 51 | 9 | 51 | | | On test | |
| 6 | Brahmanbaria 70MW | Gas | QRPP 3yrs | 72x1 | 70 | 70 | 59 | 72 | 70 | 70 | | | | |
| 7 | Daudkandi 50 MW | FO | PDB | 6x8.92 | 52 | 52 | 0 | 41 | 0 | 0 | | 11 | 1 Machine problem | 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 | 18 | 22 | 19 | 22 | | | | |
| 10 | Mahipal,Feni | Gas | SIPP,REB | 4X2.90 | 11 | 11 | 8 | 8 | 5 | 8 | | 3 | Synchronized at 33KV, 1 Machine problem | |
| 11 | Jangalia | Gas | SIPP,PDB | 4X8.73 | 33 | 33 | 33 | 33 | 32 | 33 | | | Synchronized at 33KV | |
| 12 | Summit Power (Comilla) | Gas | SIPP,REB | 3x3.67+2x6.97 | 25 | 25 | 18 | 18 | 18 | 18 | | 7 | Synchronized at 33KV, 2 Machine problem | |
| | *Comilla Area Total* | | | | *1341* | *1299* | *707* | *896* | *760* | *853* | 172 | 234 | | |
| 1 | RPCL CCPP,Mymensing | Gas | IPP | 4X35+1x70 | 210 | 197 | 104 | 135 | 158 | 135 | 62 | | gas pressure low. | |
| 2 | Tangail | Gas | SIPP,PDB | 8X2.90 | 22 | 22 | 0 | 19 | 19 | 19 | | 3 | Synchronized at 33KV , 1 Machine problem | |
| | *Mymensing Area Total* | | | | *232* | *219* | *104* | *154* | *177* | *154* | 62 | 3 | | |
| 1a | Fenchugonj CCPP (old) | Gas | PDB | 2x32+1x33 | 97 | 90 | 74 | 76 | 76 | 76 | | 14 | | |
| 1b | Fenchugonj CCPP (new) | Gas | PDB | 2x35+1x35 | 104 | 104 | 41 | 51 | 65 | 51 | | 53 | GT-3 & ST (04/01/14) | Unkhown |
| 2 | Fenchugonj BEDL | Gas | RPP 15yrs | 19X2.90 | 51 | 51 | 25 | 47 | 32 | 47 | | 4 | 1 Machine problem | |
| 3 | Fenchuganj Prima 50 MW | Gas | RPP | 12x3.3+5x2 | 44 | 44 | 40 | 36 | 10 | 36 | | | | |
| 4 | Hobiganj | Gas | SIPP,REB | 4X2.90 | 11 | 11 | 5 | 10 | 10 | 10 | | | Synchronized at 33KV | |
| 5 | Shahjibazar GT 8,9 | Gas | PDB | 2X35 | 70 | 66 | 42 | 67 | 42 | 66 | | | | |
| 6 | Shahjibazar 86 MW | Gas | RPP 15yrs | 32X2.90 | 86 | 86 | 5 | 78 | 30 | 78 | | 8 | 2 Machine problem | |
| 7 | Shahjibazar 50 MW | Gas | RPP 3yrs | 27X2.0 | 50 | 50 | 2 | 47 | 47 | 47 | | 3 | 1 Machine problem. | |
| 8 | Sylhet 150 MW | Gas | PDB | 1x150+1x75 | 142 | 142 | 49 | 67 | 58 | 67 | | 75 | | |
| 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 | 40 | 41 | 10 | 41 | | 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 | 9 | 9 | 9 | | | | |
| | *Sylhet Area Total* | | | | *763* | *749* | *345* | *547* | *401* | *546* | *0* | 185 | | |
| 1 | Bheramara GT 1, 2 & 3 | HSD | PDB | 3X20 | 60 | 46 | 0 | 30 | 0 | 0 | | | | Reserve. |
| 2 | Bheramara | HSD | RPP 3yrs | 2X8.5+2X6+2X1 | 105 | 105 | 0 | 0 | 0 | 0 | | 105 | 14 Machine problem. & oil shortag | Unknown |
| 3 | HVDC C/B Interconnector | | India | | 500 | 500 | 465 | 334 | 436 | 317 | | | | |
| 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 | 53 | 5 | 53 | 57 | | | |
| 6 | KPCL ,Khulna.(new) | HFO | IPP | 7x17 | 115 | 115 | 0 | 115 | 49 | 115 | | | | |
| 7 | Faridpur | FO | PDB | 8x6.89 | 54 | 54 | 0 | 50 | 0 | 50 | | | | |
| 8 | Khulna 150MW | HSD | NWZPGCL | 1x150 | 150 | 150 | 0 | 65 | 0 | 150 | | | Low demand | |
| 9 | Gopalganj 110 MW | HFO | PDB | 16x6.98 | 109 | 109 | 78 | 100 | 63 | 100 | | 9 | 1 Machine problem | |
| 11 | Noapara (105 MW)Quantam | HFO | RPP | 9x5+9.5x6+9.2x | 101 | 101 | 0 | 0 | 0 | 0 | | 101 | 13 Machine problem | |
| 12 | Noapara (40 MW),KZA | HFO | RPP | 5x8 | 40 | 40 | 32 | 24 | 24 | 32 | | 16 | 2 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 | 17 | 12 | 39 | 0 | | | Expired , run as per instr. of DS ( | Reserve |
| | *Khulna Area Total* | | | | *1609* | *1510* | *597* | *783* | *616* | *817* | 57 | 316 | | |
| 1 | Barisal GT 1 & 2 | HSD | PDB | 2X20 | 40 | 32 | 0 | 30 | 0 | 0 | | 2 | | 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* | *30* | *0* | *0* | *0* | 35 | | |
| 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 | 112 | 108 | 110 | 100 | | | | |
| 2 | Baghabari 50 MW | HFO | PDB | 6x8.9 | 52 | 52 | 0 | 41 | 0 | 52 | | | | |
| 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 | 70 | 0 | 70 | | | | |
| 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 | 8 | 51 | 8 | 50 | | | | |
| 7 | Katakhali PPP 50 MW | HFO | PDB | 6x8.7 | 50 | 50 | 0 | 42 | 0 | 50 | | | | |
| 8 | Sirajganj 150 MW | Gas | NWPGCL | 1x150 | 150 | 150 | 145 | 110 | 100 | 145 | | | | |
| 9 | Santahar 50 MW | HFO | PDB | 6x8.7 | 50 | 50 | 0 | 0 | 0 | 0 | | | Under maintenance | |
| 10 | Bogra GBB | Gas | RPP 15yrs | 6X4 | 20 | 22 | 21 | 17 | 21 | 17 | | 5 | Synchronized at 33KV, 1 Machine problem | |
| 11 | Bogra 20MW | Gas | RPP 3yrs | 5x3.3+5x2 | 20 | 20 | 6 | 11 | 11 | 11 | | 9 | 2 Machine problem | |
| 12 | Summit Power (Ullapara) | Gas | SIPP,REB | 4X2.90 | 11 | 11 | 8 | 8 | 8 | 8 | | 3 | Synchronized at 33KV, 1 Machine problem | |
| | *Rajshahi Area Total* | | | | *785* | *767* | *300* | *508* | *258* | *553* | *0* | 87 | | |
| 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 | 79 | 78 | 80 | 78 | | 22 | | |
| 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 3yrs | 20X1.5+21X1.1 | 47 | 47 | 0 | 0 | 0 | 0 | | | expired , run as per instr. of D | Reserve |
| | *Rangpur Area Total* | | | | *337* | *287* | *79* | *78* | *80* | *78* | *0* | *122* | | |
| | **Total** | | | | **10241** | **9677** | **4006** | **5507.0** | **4152** | **5689** | **1286** | **1339** | | |
| | Useable load at Substation end after deducting Auxiliary use & Transmission loss | | | | | | 3596 | 4944 | 3728 | 5107 | | | | |

**A.** **8-Jan-14** (Yesterday) Wednesday

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | Highest Generation : | **5507.0** | MW | at | **18:30** | hrs | |
| 2 | Minimum Generation : | **2716.0** | MW | at | **4:00** | hrs | |
| 3 | Day peak Generation : | **3978.0** | MW | at | **9:00** | hrs | |
| 4 | Evening peak Generation : | **5507.0** | MW | at | **18:30** | hrs | |
| 5 | Total Energy Generation : | 92.71 | MKWHr | | | | |
| | By Gas: 71.12 | MKWHr | | By Oil: | 9.07 | MKWHr | |
| | By Coal: 1.87 | MKWHr | | By Hydro: | 0.83 | MKWHr | |
| 6 | Generation Shortfall : | For Gas: 735 | | For Oil: | 701 | MW | |
| | | For Water Shortage: | | | **0** | MW | |
| | | For Plants S/D or M/C prob: | | | 1339 | MW | |
| 7 | Total Gas Supplied : | **703.67** | MMCFD | | | | |
| 8 | Fuel Cost : i) Gas : | Taka 56190857 | | ii) Oil : Taka | | 82114232 | |
| | iii) Coal : | Taka 7638794 | | Total | Taka | 145943884 | |
| 9 | Export Through E-W Interconnectors : | | | i) Energy | 4.553 | MKWHr. | |
| | ii) During Peak Demand : | **140** | MW | at | 18:30 | hrs | |
| | iii) Maximum : | 140 | MW | at | 18:30 | hrs | |
| 10 | Maximum Temperature in Dhaka was | **22.8° C** | | | | | |

11 Evening Peak Hour : **18:30** hrs.

12 Max. Demand (Generation end) at evening peak hour : **5507** MW

13 Max. Demand (Substation end) at evening peak hour : **4944** 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 | 1825 | 1825 | 0 |
| Chittagong | 545 | 545 | 0 |
| Khulna | 627 | 627 | 0 |
| Rajshahi | 550 | 550 | 0 |
| Comilla | 390 | 390 | 0 |
| Mymensing | 356 | 356 | 0 |
| Sylhet | 244 | 244 | 0 |
| Barisal | 107 | 107 | 0 |
| Rangpur | 300 | 300 | 0 |
| Total | 4944 | 4944 | 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.** **9-Jan-14** (Today) Thursday Probable max. temperature in Dhaka **22.8° C**

Forecast

| | | | | | |
|---|---|---|---|---|---|
| 1 | Maximum Demand (Generation end) | **5600** | MW | | |
| 2 | Maximum Generation (Generation end) | **5689** | MW | | |
| 3 | Shortage (Generation end) | **-89** | MW | | |
| 4 | Total Energy Generation | **93** | MKWHr | | |
| 5 | Actual Minimum Generation up to 8:00 hrs. | 2775 | 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 9.832727 | MKWHr. |
| ii) During peak Demand : | 334 MW | at | 18:30 hrs | |
| iii) Maximum : | 465 MW | at | 7:00 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**