

**Availability At Daily Maximum Demand Hour**

|                     |               |           |
|---------------------|---------------|-----------|
| ST-Coal             | 2,030         | MW        |
| ST-Gas              | 0             | MW        |
| ST-Oil              | 0             | MW        |
| Gas                 | 4,097         | MW        |
| Hydro               | 1,803         | MW        |
| Distillate          | 0             | MW        |
| <b>Total TNB</b>    | <b>7,930</b>  | <b>MW</b> |
| <b>Total IPP</b>    | <b>11,446</b> | <b>MW</b> |
| <b>Total Co-Gen</b> | <b>0</b>      | <b>MW</b> |
| <b>System Total</b> | <b>19,658</b> | <b>MW</b> |

**Set On Bus, TNB, IPP And MD**

At Daily Maximum Demand Hour : 15:00

|                  |            |           |
|------------------|------------|-----------|
| TNB Generation   | 5,546      | MW        |
| IPP Generation   | 9,875      | MW        |
| Total Set On Bus | 16,672     | MW        |
| Maximum Demand   | 15,577     | MW        |
| Spinning Reserve | 1,180      | MW        |
| Net Energy       | 331,172    | MWH       |
| Load Factor      | 88.6       | %         |
| Total Cost       | 53,741,295 | RM        |
| Cost per Unit    | 16.53      | cents/kWH |

**Maximum Demand Record**

|        |            |               |
|--------|------------|---------------|
| Date : | 11/06/2014 | 16,901.0 MW   |
| Date : | 24/06/2014 | 355,911.0 MWH |

**Hourly System MW Generation**

|              | 0000  | 0100  | 0200  | 0300  | 0400  | 0500  | 0600  | 0700  | 0800  | 0900  | 1000  | 1100  | 1200  | 1300  | 1400  | 1500  | 1600  | 1700  | 1800  | 1900  | 2000  | 2100  | 2200  | 2300  |
|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| System Total | 13677 | 13106 | 12502 | 12061 | 11773 | 11532 | 11696 | 11727 | 12238 | 13874 | 14832 | 15343 | 15265 | 14804 | 15322 | 15566 | 15523 | 15172 | 14037 | 13721 | 14656 | 14649 | 14181 | 13792 |

**Gas Usage**

| Station          | (mmscfd)     |
|------------------|--------------|
| CBPS             | 57           |
| GLGR             | 58           |
| PAKA             | 141          |
| PGPS             | 35           |
| SRDG             | 17           |
| TJGS             | 213          |
| <b>TNB Total</b> | <b>522</b>   |
| KLPP             | 95           |
| MPSS             | 58           |
| PDPS             | 6            |
| PGLA             | 88           |
| PKLG             | 2            |
| PLPS             | 91           |
| PTEK             | 4            |
| SGRI             | 173          |
| SKSP             | 52           |
| YPGS             | 67           |
| YPKA             | 130          |
| <b>IPP Total</b> | <b>765</b>   |
| <b>Total Gas</b> | <b>1,288</b> |

Total Gas Required : 1,288  
Gas Calorific Value : 38.500

**Generation Mix**

| Type                    | MWh              | Percentage      |
|-------------------------|------------------|-----------------|
| ST-Coal                 | 47,727.00        | 14.42 %         |
| Gas                     | 68,317.00        | 20.63 %         |
| Hydro                   | 4,942.00         | 1.49 %          |
| <b>Total TNB</b>        | <b>120,986.0</b> | <b>36.54 %</b>  |
| ST-Coal                 | 107,570.0        | 32.49 %         |
| Gas                     | 99,470.0         | 30.04 %         |
| <b>Total IPP</b>        | <b>207,040.0</b> | <b>62.53 %</b>  |
| Co-Gen                  | 1,966.0          | 0.59 %          |
| <b>Total Co-Gen</b>     | <b>1,966.0</b>   | <b>0.59 %</b>   |
| <b>Total Generation</b> | <b>329,992.0</b> | <b>99.67 %</b>  |
| PLTG                    | -389.0           | -0.12 %         |
| HVDC                    | -699.0           | -0.21 %         |
| <b>Interconnection</b>  | <b>-1,088.0</b>  | <b>-0.33 %</b>  |
| <b>Net Energy</b>       | <b>331,080.0</b> | <b>100.00 %</b> |

**Average SR During Peak Hour**

| Type         | MW          |
|--------------|-------------|
| GT           | 288         |
| Hydro        | 186         |
| Syncon       | 665         |
| Thermal      | 42          |
| <b>Total</b> | <b>1181</b> |

**Weather Temperature**

| Weather   | Temperature |
|-----------|-------------|
| Morning   | Sunny 25    |
| Afternoon | Hot 36      |





| Station         | Unit | 0000  | 0100  | 0200  | 0300  | 0400  | 0500  | 0600  | 0700  | 0800  | 0900  | 1000  | 1100  | 1200  | 1300  | 1400  | 1500  | 1600  | 1700  | 1800  | 1900  | 2000  | 2100  | 2200  | 2300  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |   |   |   |   |
|-----------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---|---|---|---|
| PCUF            | CUFK | 40    | 41    | 40    | 41    | 42    | 41    | 40    | 41    | 42    | 40    | 40    | 41    | 40    | 38    | 33    | 29    | 30    | 28    | 28    | 26    | 27    | 28    | 27    | 28    | 30    | 30    | 30    | 32    | 36    | 36    | 37    | 37    | 36    | 36    | 35    | 35    |       |       |       |       |       |       |       |       |       |       |       |       |   |   |   |   |
| Total Co-Gen    |      | 83    | 85    | 84    | 85    | 85    | 84    | 86    | 88    | 84    | 85    | 85    | 87    | 87    | 85    | 85    | 84    | 85    | 85    | 83    | 81    | 76    | 71    | 73    | 71    | 72    | 71    | 72    | 74    | 72    | 74    | 77    | 79    | 79    | 82    | 85    | 86    | 86    | 86    | 85    | 83    | 84    | 83    |       |       |       |       |       |       |   |   |   |   |
| Total Gen       |      | 13451 | 13076 | 13023 | 12668 | 12354 | 12244 | 11966 | 11762 | 11663 | 11602 | 11459 | 11517 | 11597 | 11813 | 11779 | 11734 | 12174 | 13206 | 13978 | 14353 | 14731 | 14994 | 15271 | 15460 | 15171 | 14911 | 14674 | 15021 | 15310 | 15508 | 15481 | 15510 | 15524 | 15481 | 15132 | 14600 | 14049 | 13798 | 13772 | 14371 | 14657 | 14895 | 14648 | 14464 | 14218 | 13966 | 13748 | 13471 |   |   |   |   |
| TIE-EGAT        |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |       |       |   |   |   |   |
| TIE-HVDC        |      | -29   | -29   | -29   | -29   | -29   | -29   | -29   | -29   | -29   | -29   | -29   | -29   | -29   | -29   | -29   | -29   | -29   | -29   | -29   | -29   | -29   | -29   | -29   | -29   | -29   | -29   | -29   | -30   | -30   | -30   | -30   | -30   | -30   | -30   | -30   | -29   | -29   | -31   | -28   | -31   | -28   | -29   | -28   | -29   | -29   |       |       |       |   |   |   |   |
| TIE-PLTG        |      | -197  | -80   | -54   | 31    | -119  | -45   | -66   | -16   | -81   | -3    | -44   | -11   | -70   | -48   | 81    | 45    | -35   | -70   | 133   | 57    | -72   | -108  | -43   | -54   | -64   | -34   | -101  | -18   | 17    | -13   | -56   | -17   | 30    | -9    | -10   | 76    | 42    | 1     | 80    | -111  | 32    | 69    | 30    | -5    | 66    | 56    | -15   | 45    |   |   |   |   |
| Interconnection |      | -226  | -109  | -83   | 2     | -148  | -74   | -95   | -45   | -110  | -32   | -73   | -40   | -99   | -77   | 52    | 16    | -64   | -99   | 104   | 28    | -101  | -137  | -72   | -83   | -94   | -64   | -130  | -47   | -12   | -42   | -85   | -46   | 1     | -38   | -40   | 46    | 12    | -29   | 51    | -140  | 1     | 41    | -1    | -33   | 37    | 28    | -44   | 16    |   |   |   |   |
| System Total    |      | 13677 | 13185 | 13106 | 12666 | 12502 | 12318 | 12061 | 11807 | 11773 | 11634 | 11532 | 11557 | 11606 | 11890 | 11727 | 11718 | 12238 | 13305 | 13874 | 14325 | 14832 | 15131 | 15343 | 15543 | 15265 | 14975 | 14804 | 15068 | 15322 | 15550 | 15566 | 15556 | 15523 | 15519 | 15172 | 14554 | 14037 | 13827 | 13721 | 14511 | 14656 | 14764 | 14648 | 14497 | 14181 | 13938 | 13792 | 13455 |   |   |   |   |
| SRev ST-Coal    |      | 82    | 66    | 76    | 25    | 31    | 61    | 34    | 60    | 172   | 192   | 343   | 362   | 265   | 245   | 67    | 18    | 54    | 41    | 52    | 43    | 34    | 36    | 43    | 33    | 51    | 61    | 36    | 40    | 40    | 50    | 37    | 44    | 53    | 58    | 51    | 46    | 51    | 26    | 44    | 45    | 50    | 45    | -21   | 50    | 48    | 26    | 45    | 31    |   |   |   |   |
| SRev ST-Gas     |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0 | 0 |   |   |
| SRev CCGT-Gas   |      | 698   | 547   | 576   | 928   | 1360  | 1451  | 1671  | 1857  | 1857  | 1891  | 1840  | 1770  | 1831  | 1662  | 1812  | 1894  | 1450  | 1244  | 934   | 624   | 322   | 234   | 155   | 56    | 117   | 258   | 521   | 219   | 127   | 79    | 75    | 93    | 124   | 118   | 123   | 369   | 776   | 1055  | 1097  | 475   | 270   | 157   | 181   | 302   | 329   | 531   | 289   | 440   |   |   |   |   |
| SRev OCGT-Gas   |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | -15   | 70    | 43    | 49    | 107   | 110   | 106   | 108   | 147   | 20    | 141   | 100   | 107   | 77    | 213   | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0 | 0 | 0 | 0 |
| SRev Co-Gen     |      | -7    | -9    | -8    | -9    | -9    | -9    | -8    | -10   | -12   | -8    | -9    | -9    | -11   | -11   | -9    | -9    | -11   | -11   | -10   | -9    | -8    | -9    | -9    | -7    | -5    | 0     | 5     | 3     | 5     | 4     | 5     | 4     | 2     | 4     | 2     | -1    | -3    | -3    | -6    | -9    | -10   | -10   | -10   | -10   | -9    | -7    | -8    | -7    |   |   |   |   |
| Syncon          |      | 341   | 643   | 643   | 643   | 492   | 492   | 643   | 643   | 643   | 643   | 643   | 643   | 643   | 342   | 493   | 493   | 730   | 730   | 730   | 579   | 730   | 642   | 630   | 579   | 730   | 730   | 730   | 730   | 730   | 730   | 630   | 479   | 630   | 630   | 630   | 630   | 630   | 479   | 630   | 630   | 630   | 730   | 730   | 730   | 730   | 579   | 579   |       |   |   |   |   |
| Hydro           |      | 294   | 176   | 187   | 192   | 219   | 208   | 141   | 135   | 124   | 127   | 171   | 164   | 122   | 280   | 165   | 177   | 147   | 143   | 165   | 299   | 146   | 204   | 150   | 145   | 112   | 163   | 163   | 164   | 158   | 151   | 203   | 191   | 283   | 154   | 155   | 154   | 155   | 152   | 274   | 148   | 213   | 165   | 164   | 156   | 165   | 154   | 286   | 285   |   |   |   |   |
| S.Reserve Total |      | 1408  | 1423  | 1474  | 1779  | 2093  | 2203  | 2481  | 2685  | 2784  | 2845  | 2988  | 2930  | 2850  | 2518  | 2528  | 2573  | 2370  | 2147  | 1871  | 1536  | 1209  | 1177  | 1012  | 1005  | 1112  | 1322  | 1561  | 1264  | 1207  | 1034  | 1191  | 1062  | 1048  | 1041  | 1174  | 1198  | 1609  | 1860  | 1888  | 1289  | 1153  | 987   | 1044  | 1228  | 1263  | 1234  | 1191  | 1328  |   |   |   |   |