

**Availability At Daily Maximum Demand Hour**

|                     |                  |
|---------------------|------------------|
| ST-Coal             | 2,070 MW         |
| ST-Gas              | 0 MW             |
| ST-Oil              | 70 MW            |
| Gas                 | 3,575 MW         |
| Hydro               | 1,859 MW         |
| Distillate          | 0 MW             |
| <b>Total TNB</b>    | <b>7,574 MW</b>  |
| <b>Total IPP</b>    | <b>8,562 MW</b>  |
| <b>Total Co-Gen</b> | <b>78 MW</b>     |
| <b>System Total</b> | <b>16,214 MW</b> |

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

|                                      |             |
|--------------------------------------|-------------|
| At Daily Maximum Demand Hour : 15:30 |             |
| TNB Generation                       | 6,784 MW    |
| IPP Generation                       | 8,204 MW    |
| Total Set On Bus                     | 16,034 MW   |
| Maximum Demand                       | 15,137 MW   |
| Spinning Reserve                     | 968 MW      |
| Net Energy                           | 317,314 MWH |
| Load Factor                          | 87.3 %      |

**Maximum Demand Record**

|        |            |               |
|--------|------------|---------------|
| Date : | 13/05/2013 | 16,562.0 MW   |
| Date : | 25/06/2013 | 345,254.0 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 | 12583 | 12040 | 11563 | 11191 | 10980 | 10993 | 10983 | 11095 | 11705 | 13387 | 14231 | 14847 | 14893 | 14317 | 14534 | 15088 | 15071 | 14668 | 13723 | 13940 | 14403 | 13979 | 13581 | 13140 |

**Gas Usage**

| Station          | (mmscfd)     |
|------------------|--------------|
| CBPS             | 93           |
| GLGR             | 65           |
| PAKA             | 201          |
| PGPS             | 47           |
| SRDG             | 48           |
| TJGS             | 112          |
| <b>TNB Total</b> | <b>565</b>   |
| KLPP             | 83           |
| MPSS             | 58           |
| PDPS             | 48           |
| PGLA             | 116          |
| PTEK             | 34           |
| SGB3             | 74           |
| SGRI             | 155          |
| SKSP             | 58           |
| YPGS             | 67           |
| YPKA             | 100          |
| <b>IPP Total</b> | <b>792</b>   |
| <b>Total Gas</b> | <b>1,357</b> |

Total Gas Required : 1,561  
Gas Calorific Value : 38,500

**Alternate Fuel Usage**

| Station      | (mmscfd)   |
|--------------|------------|
| PGPS         | 21         |
| PKLG         | 137        |
| SGB3         | 14         |
| SGRI         | 31         |
| <b>Total</b> | <b>204</b> |

**Generation Mix**

| Type                    | MWh              | Percentage      |
|-------------------------|------------------|-----------------|
| ST-Coal                 | 49,438.00        | 15.58 %         |
| ST-Oil                  | 1,371.00         | 0.43 %          |
| Gas                     | 68,900.00        | 21.71 %         |
| Hydro                   | 20,312.00        | 6.40 %          |
| Distillate              | 770.00           | 0.24 %          |
| <b>Total TNB</b>        | <b>140,791.0</b> | <b>44.37 %</b>  |
| ST-Coal                 | 55,031.0         | 17.34 %         |
| ST-Oil                  | 13,561.0         | 4.27 %          |
| Gas                     | 101,036.0        | 31.84 %         |
| Distillate              | 5,644.0          | 1.78 %          |
| <b>Total IPP</b>        | <b>175,272.0</b> | <b>55.24 %</b>  |
| Co-Gen                  | 1,881.0          | 0.59 %          |
| <b>Total Co-Gen</b>     | <b>1,881.0</b>   | <b>0.59 %</b>   |
| <b>Total Generation</b> | <b>317,944.0</b> | <b>100.20 %</b> |
| PLTG                    | -94.0            | -0.03 %         |
| HVDC                    | 724.0            | 0.23 %          |
| <b>Interconnection</b>  | <b>630.0</b>     | <b>0.20 %</b>   |
| <b>Net Energy</b>       | <b>317,314.0</b> | <b>100.00 %</b> |

**Average SR During Peak Hour**

| Type         | MW         |
|--------------|------------|
| GT           | 328        |
| Hydro        | 217        |
| Syncon       | 317        |
| Thermal      | 66         |
| <b>Total</b> | <b>926</b> |

**Weather Temperature**

| Weather   | Temperature |
|-----------|-------------|
| Morning   | Sunny 26    |
| Afternoon | Cloudy 32   |





### Daily MW Generation On Friday

29-Nov-2013

| 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         |
|-------------------------|------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| PGAU                    | HY01 | -1           | -1           | -1           | -1           | -1           | -1           | -1           | -1           | -1           | -1           | -1           | -1           | -1           | -1           | -1           | -1           | -1           | -1           | -1           | -1           | -1           | -1           | -1           | -1           |
| PGAU                    | HY02 | -1           | -1           | -1           | -1           | -1           | 23           | -1           | -1           | -1           | -1           | -1           | -1           | -1           | -1           | -1           | -1           | -1           | -1           | -1           | -1           | -1           | -1           | -1           | -1           |
| PGAU                    | HY03 | -1           | -1           | 21           | -1           | -1           | -1           | -1           | -1           | -1           | -1           | -1           | -1           | -1           | -1           | -1           | -1           | -1           | -1           | -1           | -1           | -1           | -1           | -1           | -1           |
| PGAU                    | HY04 | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            |
| SIHY                    | HY01 | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            |
| SIHY                    | HY02 | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            |
| SIHY                    | HY03 | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            |
| SYPS                    | HY01 | 25           | 25           | 25           | 25           | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            |
| SYPS                    | HY02 | 25           | 25           | 25           | 25           | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            |
| SYPS                    | HY03 | 24           | 24           | 24           | 24           | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            |
| SYPS                    | HY04 | 16           | 25           | 25           | 25           | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            |
| TMGR                    | HY01 | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            |
| TMGR                    | HY02 | -1           | -1           | -1           | -1           | -1           | -1           | -1           | -1           | -1           | -1           | -1           | -1           | -1           | -1           | -1           | -1           | -1           | -1           | -1           | -1           | -1           | -1           | -1           | -1           |
| TMGR                    | HY03 | -1           | -1           | -1           | -1           | -1           | -1           | -1           | -1           | -1           | -1           | -1           | -1           | -1           | -1           | -1           | -1           | -1           | -1           | -1           | -1           | -1           | -1           | -1           | -1           |
| TMGR                    | HY04 | 31           | 29           | 41           | 31           | 33           | 32           | 35           | 34           | 37           | 35           | 37           | 38           | 38           | 27           | 31           | 31           | 31           | 34           | 37           | 36           | 76           | 65           | 65           | 69           |
| UPIA                    | HY01 | 5            | 5            | 5            | 5            | 5            | 5            | 5            | 5            | 5            | 5            | 5            | 5            | 5            | 5            | 5            | 5            | 5            | 5            | 5            | 5            | 5            | 5            | 5            | 5            |
| UPIA                    | HY02 | 5            | 5            | 5            | 5            | 5            | 5            | 5            | 5            | 5            | 5            | 5            | 5            | 5            | 5            | 5            | 5            | 5            | 5            | 5            | 5            | 5            | 5            | 5            | 5            |
| <b>Total Hydro</b>      |      | <b>672</b>   | <b>670</b>   | <b>668</b>   | <b>633</b>   | <b>538</b>   | <b>535</b>   | <b>563</b>   | <b>537</b>   | <b>542</b>   | <b>541</b>   | <b>544</b>   | <b>542</b>   | <b>542</b>   | <b>532</b>   | <b>534</b>   | <b>534</b>   | <b>533</b>   | <b>535</b>   | <b>562</b>   | <b>539</b>   | <b>694</b>   | <b>921</b>   | <b>1140</b>  | <b>1242</b>  |
| PGPS                    | GT3A | 87           | 87           | 87           | 87           | 88           | 87           | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            |
| PGPS                    | GT3B | 87           | 87           | 87           | 87           | 87           | 87           | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            |
| PGPS                    | ST3C | 82           | 82           | 85           | 82           | 84           | 82           | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            |
| SGB3                    | GT31 | 128          | 126          | 126          | 127          | 127          | 126          | 33           | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            |
| SGRI                    | GT13 | 132          | 131          | 131          | 132          | 132          | 109          | 33           | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            |
| SGRI                    | GT21 | 127          | 123          | 123          | 124          | 124          | 105          | 94           | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            |
| <b>Total Distillate</b> |      | <b>643</b>   | <b>636</b>   | <b>639</b>   | <b>639</b>   | <b>642</b>   | <b>638</b>   | <b>247</b>   | <b>127</b>   | <b>0</b>     | <b>0</b>     | <b>0</b>     | <b>0</b>     | <b>0</b>     | <b>0</b>     | <b>0</b>     | <b>0</b>     | <b>0</b>     | <b>0</b>     | <b>0</b>     | <b>0</b>     | <b>0</b>     | <b>0</b>     | <b>0</b>     | <b>0</b>     |
| PCUF                    | CUFG | 43           | 42           | 43           | 42           | 42           | 43           | 44           | 43           | 44           | 43           | 43           | 44           | 44           | 44           | 44           | 43           | 43           | 42           | 40           | 40           | 39           | 40           | 39           | 40           |
| PCUF                    | CUFK | 10           | 24           | 29           | 37           | 37           | 36           | 37           | 37           | 36           | 38           | 37           | 39           | 38           | 38           | 38           | 39           | 38           | 38           | 39           | 39           | 38           | 38           | 39           | 37           |
| <b>Total Co-Gen</b>     |      | <b>53</b>    | <b>66</b>    | <b>72</b>    | <b>79</b>    | <b>79</b>    | <b>79</b>    | <b>81</b>    | <b>79</b>    | <b>82</b>    | <b>80</b>    | <b>82</b>    | <b>81</b>    | <b>81</b>    | <b>82</b>    | <b>82</b>    | <b>82</b>    | <b>82</b>    | <b>83</b>    | <b>82</b>    | <b>81</b>    | <b>80</b>    | <b>79</b>    | <b>77</b>    | <b>76</b>    |
| <b>Total Gen</b>        |      | <b>12633</b> | <b>12219</b> | <b>12018</b> | <b>11781</b> | <b>11644</b> | <b>11456</b> | <b>11224</b> | <b>11109</b> | <b>11006</b> | <b>10919</b> | <b>10929</b> | <b>10893</b> | <b>10930</b> | <b>11146</b> | <b>11209</b> | <b>11219</b> | <b>11729</b> | <b>12659</b> | <b>13413</b> | <b>13945</b> | <b>14238</b> | <b>14745</b> | <b>14883</b> | <b>15017</b> |
| 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            |
| TIE-HVDC                |      | 31           | 31           | 31           | 30           | 30           | 30           | 30           | 30           | 30           | 30           | 30           | 30           | 30           | 30           | 30           | 30           | 30           | 30           | 29           | 29           | 30           | 30           | 30           | 30           |
| TIE-PLTG                |      | 19           | -24          | -53          | -15          | 51           | 49           | 3            | 50           | -4           | -52          | -94          | -44          | -83          | 49           | 83           | 88           | -6           | -19          | -4           | 28           | -23          | 27           | 5            | -51          |
| <b>Interconnection</b>  |      | <b>50</b>    | <b>7</b>     | <b>-22</b>   | <b>15</b>    | <b>81</b>    | <b>79</b>    | <b>33</b>    | <b>80</b>    | <b>26</b>    | <b>-22</b>   | <b>-64</b>   | <b>-14</b>   | <b>-53</b>   | <b>80</b>    | <b>114</b>   | <b>118</b>   | <b>24</b>    | <b>11</b>    | <b>26</b>    | <b>58</b>    | <b>7</b>     | <b>58</b>    | <b>36</b>    |              |
| <b>System Total</b>     |      | <b>12583</b> | <b>12212</b> | <b>12040</b> | <b>11766</b> | <b>11563</b> | <b>11377</b> | <b>11191</b> | <b>11029</b> | <b>10980</b> | <b>10941</b> | <b>10993</b> | <b>10907</b> | <b>10983</b> | <b>11066</b> | <b>11095</b> | <b>11101</b> | <b>11705</b> | <b>12648</b> | <b>13387</b> | <b>13887</b> | <b>14231</b> | <b>14687</b> | <b>14847</b> | <b>15038</b> |
| SRev ST-Coal            |      | 56           | 46           | 64           | 54           | 41           | 65           | 57           | 62           | 109          | 97           | 40           | 59           | 41           | 48           | 47           | 100          | 62           | 58           | 46           | 59           | 76           | 65           | 62           | 65           |
| 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            |
| SRev ST-Oil             |      | 14           | 13           | 15           | 13           | 13           | 13           | 11           | 12           | 11           | 11           | 11           | 11           | 12           | 10           | 13           | 12           | 12           | 12           | 12           | 13           | 13           | 12           | 12           | 13           |
| SRev CCGT-Gas           |      | 294          | 303          | 491          | 712          | 770          | 927          | 1104         | 1212         | 1373         | 1465         | 1461         | 1478         | 1458         | 1224         | 1167         | 1204         | 1165         | 483          | 169          | 131          | 112          | 131          | 160          | 145          |
| SRev OCGT-Gas           |      | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 33           | 175          | 38           | 88           | 143          | 122          |
| SRev Distillate         |      | 77           | 84           | 81           | 81           | 78           | 82           | 173          | 153          | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            |
| SRev Co-Gen             |      | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            |
| Syncon                  |      | 625          | 625          | 474          | 625          | 625          | 625          | 474          | 625          | 625          | 625          | 625          | 625          | 625          | 625          | 625          | 625          | 625          | 474          | 625          | 474          | 388          | 388          | 237          | 388          |

*Daily MW Generation On Friday*

29-Nov-2013

| 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       |             |             |             |             |             |             |            |            |            |            |             |             |             |             |             |             |             |             |             |             |             |            |             |             |
|------------------------|------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|------------|-------------|------------|-------------|-------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|------------|------------|------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|------------|-------------|-------------|
| Hydro                  |      | 145         | 125         | 201         | 86          | 81          | 84          | 204         | 81          | 76          | 78          | 75          | 75          | 75          | 85          | 83          | 83          | 82          | 80          | 205        | 77          | 211        | 340         | 321         | 370        | 242         | 304         | 354         | 330         | 158         | 207         | 179        | 187        | 224        | 218        | 286         | 313         | 141         | 142         | 244         | 266         | 275         | 277         | 285         | 298         | 410         | 283        | 290         | 78          |
| <b>S.Reserve Total</b> |      | <b>1211</b> | <b>1196</b> | <b>1326</b> | <b>1571</b> | <b>1608</b> | <b>1796</b> | <b>2025</b> | <b>2144</b> | <b>2195</b> | <b>2276</b> | <b>2212</b> | <b>2248</b> | <b>2210</b> | <b>1994</b> | <b>1932</b> | <b>2025</b> | <b>1946</b> | <b>1258</b> | <b>939</b> | <b>1079</b> | <b>923</b> | <b>1024</b> | <b>1087</b> | <b>952</b> | <b>1038</b> | <b>1134</b> | <b>1414</b> | <b>1509</b> | <b>1299</b> | <b>1076</b> | <b>975</b> | <b>968</b> | <b>961</b> | <b>949</b> | <b>1199</b> | <b>1384</b> | <b>1520</b> | <b>1498</b> | <b>1493</b> | <b>1227</b> | <b>1139</b> | <b>1308</b> | <b>1137</b> | <b>1097</b> | <b>1136</b> | <b>837</b> | <b>1101</b> | <b>1055</b> |