

Availability At Daily Maximum Demand Hour

| | |
|---------------------|------------------|
| ST-Coal | 2,050 MW |
| ST-Gas | 0 MW |
| ST-Oil | 0 MW |
| Gas | 3,923 MW |
| Hydro | 1,752 MW |
| Distillate | 0 MW |
| Total TNB | 7,725 MW |
| Total IPP | 11,027 MW |
| Total Co-Gen | 68 MW |
| System Total | 18,820 MW |

Set On Bus, TNB, IPP And MD

| | |
|--------------------------------------|-----------------|
| At Daily Maximum Demand Hour : 20:30 | |
| TNB Generation | 5,456 MW |
| IPP Generation | 9,094 MW |
| Total Set On Bus | 15,748 MW |
| Maximum Demand | 14,643 MW |
| Spinning Reserve | 1,130 MW |
| Net Energy | 324,634 MWH |
| Load Factor | 92.4 % |
| Total Cost | 49,987,852 RM |
| Cost per Unit | 15.78 cents/kWH |

Maximum Demand Record

| | | |
|--------|------------|---------------|
| Date : | 11/06/2014 | 16,901.0 MW |
| Date : | 11/06/2014 | 352,879.0 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 | 14451 | 13720 | 13258 | 12740 | 12719 | 12471 | 12219 | 11953 | 11686 | 12860 | 13696 | 14234 | 14218 | 13904 | 14037 | 14217 | 14174 | 13903 | 13467 | 13422 | 14592 | 14636 | 14318 | 14191 |

Gas Usage

| Station | (mmscfd) |
|-----------------------|--------------|
| CBPS | 50 |
| GLGR | 65 |
| PAKA | 152 |
| SRDG | 9 |
| TJGS | 216 |
| TNB Total | 492 |
| KLPP | 101 |
| MPSS | 58 |
| PGLA | 109 |
| PKLG | 9 |
| PLPS | 42 |
| SGRI | 163 |
| SKSP | 53 |
| YPGS | 67 |
| YPKA | 128 |
| IPP Total | 730 |
| Total Gas | 1,222 |
| Total Gas Required : | 1,222 |
| Gas Calorific Value : | 38.500 |

Generation Mix

| Type | MWh | Percentage |
|-------------------------|------------------|-----------------|
| ST-Coal | 48,714.00 | 15.01 % |
| Gas | 65,218.00 | 20.09 % |
| Hydro | 7,877.00 | 2.43 % |
| Total TNB | 121,809.0 | 37.52 % |
| ST-Coal | 104,799.0 | 32.28 % |
| ST-Gas | 761.0 | 0.23 % |
| Gas | 95,392.0 | 29.38 % |
| Total IPP | 200,952.0 | 61.90 % |
| Co-Gen | 1,268.0 | 0.39 % |
| Total Co-Gen | 1,268.0 | 0.39 % |
| Total Generation | 324,029.0 | 99.81 % |
| PLTG | -32.0 | -0.01 % |
| HVDC | -573.0 | -0.18 % |
| Interconnection | -605.0 | -0.19 % |
| Net Energy | 324,634.0 | 100.00 % |

Average SR During Peak Hour

| Type | MW |
|--------------|-------------|
| GT | 262 |
| Hydro | 129 |
| Syncon | 742 |
| Thermal | 77 |
| Total | 1209 |

Weather Temperature

| | Weather | Temperature |
|-----------|---------|-------------|
| Morning | Sunny | 28 |
| 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 | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|---|
| UPIA | HY02 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total Hydro | | 533 | 267 | 236 | 222 | 226 | 292 | 203 | 176 | 164 | 398 | 461 | 501 | 475 | 474 | 473 | 501 | 405 | 226 | 173 | 187 | 181 | 247 | 466 | 590 | 561 | 206 | 226 | 240 | 245 | 413 | 347 | 352 | 351 | 350 | 301 | 207 | 200 | 199 | 210 | 359 | 475 | 373 | 373 | 347 | 299 | 296 | 297 | 201 | | |
| PCUF | CUFG | 8 | 7 | 8 | 7 | 7 | 7 | 5 | 6 | 5 | 5 | 5 | 5 | 5 | 4 | 5 | 5 | 4 | 6 | 5 | 3 | 4 | 3 | 1 | 1 | 2 | 5 | 22 | 33 | 35 | 36 | 35 | 36 | 35 | 34 | 34 | 34 | 35 | 34 | 36 | 34 | 35 | 34 | 33 | 34 | 35 | 35 | 36 | 35 | | |
| PCUF | CUFK | 37 | 35 | 34 | 36 | 36 | 37 | 35 | 36 | 36 | 37 | 35 | 36 | 34 | 34 | 35 | 36 | 34 | 35 | 35 | 36 | 36 | 36 | 35 | 35 | 35 | 35 | 36 | 36 | 34 | 34 | 35 | 34 | 34 | 34 | 37 | 34 | 35 | 35 | 36 | 34 | 34 | 35 | 34 | 36 | 34 | 35 | 36 | | | |
| Total Co-Gen | | 45 | 42 | 42 | 43 | 43 | 44 | 40 | 42 | 41 | 41 | 42 | 40 | 41 | 39 | 38 | 40 | 41 | 38 | 41 | 40 | 39 | 40 | 39 | 36 | 36 | 37 | 40 | 58 | 69 | 69 | 70 | 70 | 70 | 69 | 68 | 71 | 69 | 69 | 71 | 70 | 69 | 68 | 68 | 68 | 71 | 69 | 71 | 71 | | |
| Total Gen | | 14499 | 14016 | 13808 | 13593 | 13317 | 13121 | 12807 | 12688 | 12721 | 12530 | 12414 | 12418 | 12208 | 12122 | 12030 | 11630 | 11731 | 12388 | 12864 | 13299 | 13625 | 13907 | 14143 | 14275 | 14169 | 13873 | 13810 | 13926 | 13937 | 14118 | 14149 | 14119 | 14177 | 14071 | 13845 | 13617 | 13455 | 13336 | 13413 | 14032 | 14613 | 14618 | 14600 | 14396 | 14265 | 14138 | 14171 | 13956 | | |
| 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 | 0 | 0 | 0 | |
| TIE-HVDC | | -29 | -29 | -29 | -29 | -29 | -29 | -29 | -29 | -29 | -29 | -29 | -29 | -30 | -30 | -29 | -30 | -29 | -29 | -29 | -29 | -29 | -29 | -29 | -29 | -29 | -29 | -30 | -30 | -30 | -30 | -29 | -29 | -29 | -29 | -29 | -29 | -29 | -29 | 0 | 0 | 0 | 0 | 4 | 0 | -29 | 51 | -31 | | | |
| TIE-PLTG | | 77 | 153 | 117 | 74 | 88 | 9 | 96 | 40 | 31 | -5 | -28 | 4 | 18 | 64 | 106 | 39 | 75 | 48 | 33 | 0 | -41 | -106 | -62 | -82 | -20 | -63 | -65 | -105 | -70 | -80 | -38 | -58 | 32 | 18 | -29 | -47 | 17 | 19 | 20 | -67 | 21 | -25 | -36 | 9 | -53 | -73 | -71 | -49 | | |
| Interconnection | | 48 | 124 | 88 | 45 | 59 | -20 | 67 | 11 | 2 | -34 | -57 | -25 | -11 | 35 | 77 | 10 | 45 | 18 | 4 | -30 | -71 | -136 | -91 | -112 | -49 | -92 | -94 | -134 | -100 | -110 | -68 | -88 | 3 | -11 | -58 | -76 | -12 | -10 | -9 | -67 | 21 | -25 | -36 | 13 | -53 | -102 | -20 | -80 | | |
| System Total | | 14451 | 13892 | 13720 | 13548 | 13258 | 13141 | 12740 | 12677 | 12719 | 12564 | 12471 | 12443 | 12219 | 12087 | 11953 | 11620 | 11686 | 12370 | 12860 | 13329 | 13696 | 14043 | 14234 | 14387 | 14218 | 13965 | 13904 | 14060 | 14037 | 14228 | 14217 | 14207 | 14174 | 14082 | 13903 | 13693 | 13467 | 13346 | 13422 | 14099 | 14592 | 14643 | 14636 | 14383 | 14318 | 14240 | 14191 | 13956 | | |
| SRev ST-Coal | | 56 | 105 | 83 | 91 | 100 | 73 | 82 | 76 | 103 | 118 | 72 | 53 | 53 | 65 | 71 | 357 | 294 | 146 | 141 | 59 | 59 | 57 | 73 | 58 | 80 | 89 | 122 | 87 | 95 | 87 | 64 | 79 | 90 | 82 | 85 | 83 | 41 | 72 | 81 | 72 | 71 | 69 | 63 | 56 | 43 | 46 | 34 | 55 | | |
| SRev ST-Gas | | -2 | -2 | -2 | -2 | -2 | 29 | 73 | 69 | 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 | | 136 | 306 | 343 | 360 | 308 | 375 | 443 | 523 | 501 | 985 | 1248 | 1301 | 1516 | 1587 | 1671 | 1734 | 1588 | 991 | 661 | 700 | 367 | 154 | 120 | 124 | 189 | 122 | 169 | 126 | 123 | 126 | 258 | 288 | 216 | 329 | 307 | 419 | 614 | 701 | 628 | 386 | 145 | 158 | 176 | 366 | 337 | 242 | 224 | 402 | | |
| SRev OCGT-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 Co-Gen | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | -5 | -5 | 0 | -5 | 0 | 0 | -4 | -5 | -5 | -4 | 0 | -5 | -3 | -4 | -3 | -1 | -1 | -2 | 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 |
| Syncon | | 429 | 731 | 731 | 731 | 731 | 580 | 731 | 731 | 731 | 625 | 625 | 625 | 625 | 625 | 625 | 474 | 731 | 731 | 731 | 731 | 731 | 731 | 731 | 731 | 731 | 817 | 666 | 817 | 817 | 515 | 817 | 817 | 817 | 817 | 817 | 817 | 817 | 817 | 817 | 817 | 817 | 817 | 817 | 817 | 817 | 817 | 817 | 817 | 817 | |
| Hydro | | 379 | 83 | 114 | 106 | 102 | 187 | 125 | 127 | 139 | 116 | 158 | 118 | 144 | 145 | 146 | 269 | 108 | 77 | 130 | 116 | 122 | 207 | 132 | 46 | 77 | 98 | 227 | 62 | 57 | 341 | 107 | 102 | 103 | 104 | 101 | 95 | 102 | 103 | 92 | 194 | 128 | 79 | 230 | 105 | 103 | 106 | 105 | 101 | | |
| S.Reserve Total | | 998 | 1223 | 1269 | 1286 | 1239 | 1244 | 1454 | 1526 | 1469 | 1839 | 2103 | 2092 | 2338 | 2422 | 2509 | 2829 | 2716 | 1941 | 1663 | 1601 | 1276 | 994 | 1053 | 958 | 1076 | 1124 | 1184 | 1092 | 1092 | 1161 | 1263 | 1293 | 1235 | 1340 | 1383 | 1414 | 1574 | 1693 | 1618 | 1318 | 1036 | 1130 | 1148 | 1352 | 1436 | 1211 | 1180 | 1375 | | |