

Availability At Daily Maximum Demand Hour

| | |
|---------------------|------------------|
| ST-Coal | 690 MW |
| ST-Gas | 70 MW |
| ST-Oil | 0 MW |
| Gas | 3,807 MW |
| Hydro | 1,854 MW |
| Distillate | 0 MW |
| Total TNB | 6,421 MW |
| Total IPP | 11,873 MW |
| Total Co-Gen | 80 MW |
| System Total | 18,374 MW |

Set On Bus, TNB, IPP And MD

| | |
|--------------------------------------|-------------|
| At Daily Maximum Demand Hour : 16:30 | |
| TNB Generation | 3,629 MW |
| IPP Generation | 10,274 MW |
| Total Set On Bus | 15,068 MW |
| Maximum Demand | 13,935 MW |
| Spinning Reserve | 1,085 MW |
| Net Energy | 286,091 MWH |
| Load Factor | 85.5 % |

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 | 10843 | 10478 | 9840 | 9673 | 9349 | 9365 | 9361 | 9539 | 10101 | 11662 | 12602 | 13211 | 13422 | 13182 | 13747 | 13917 | 13900 | 13619 | 12771 | 12516 | 13411 | 13309 | 12960 | 12697 |

Gas Usage

| Station | (mmscfd) |
|------------------------------|---------------|
| CBPS | 20 |
| GLGR | 32 |
| PGPS | 41 |
| SRDG | 49 |
| TJGS | 113 |
| TNB Total | 256 |
| KLPP | 111 |
| MPSS | 55 |
| PDPS | 6 |
| PGLA | 92 |
| PKLG | 7 |
| PLPS | 101 |
| SGB3 | 67 |
| SGRI | 222 |
| SKSP | 55 |
| YPKA | 113 |
| IPP Total | 831 |
| Total Gas | 1,086 |
| Total Gas Required : | 1,086 |
| Gas Calorific Value : | 38.500 |

Generation Mix

| Type | MWh | Percentage |
|-------------------------|------------------|-----------------|
| ST-Coal | 15,946.00 | 5.57 % |
| Gas | 31,802.00 | 11.12 % |
| Hydro | 20,130.00 | 7.04 % |
| Total TNB | 67,878.0 | 23.73 % |
| ST-Coal | 109,293.0 | 38.20 % |
| ST-Gas | 320.0 | 0.11 % |
| ST-Oil | 91.0 | 0.03 % |
| Gas | 107,063.0 | 37.42 % |
| Total IPP | 216,767.0 | 75.77 % |
| Co-Gen | 1,708.0 | 0.60 % |
| Total Co-Gen | 1,708.0 | 0.60 % |
| Total Generation | 286,353.0 | 100.09 % |
| PLTG | -371.0 | -0.13 % |
| HVDC | 633.0 | 0.22 % |
| Interconnection | 262.0 | 0.09 % |
| Net Energy | 286,091.0 | 100.00 % |

Average SR During Peak Hour

| Type | MW |
|--------------|------------|
| GT | 287 |
| Hydro | 209 |
| Syncon | 222 |
| Thermal | 188 |
| Total | 906 |

| | Weather | Temperature |
|-----------|---------|-------------|
| Morning | Sunny | 25 |
| Afternoon | Hot | 34 |

| 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 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------|------|--------------|--------------|--------------|--------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|----|----|---|---|
| UPLA | 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 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total Hydro | | 507 | 521 | 621 | 507 | 560 | 512 | 513 | 511 | 511 | 512 | 520 | 519 | 517 | 551 | 544 | 512 | 521 | 517 | 518 | 880 | 1078 | 1346 | 1388 | 1408 | 1352 | 1025 | 865 | 873 | 962 | 1122 | 1040 | 1090 | 1079 | 1122 | 854 | 720 | 547 | 393 | 492 | 774 | 1169 | 1163 | 1302 | 1324 | 1304 | 1285 | 1155 | 1137 | | | | |
| PCUF | CUPG | 54 | 52 | 54 | 53 | 51 | 52 | 54 | 53 | 51 | 56 | 54 | 52 | 52 | 53 | 51 | 55 | 52 | 55 | 52 | 53 | 52 | 53 | 53 | 52 | 54 | 53 | 54 | 53 | 53 | 51 | 52 | 52 | 52 | 53 | 53 | 53 | 52 | 53 | 53 | 53 | 52 | 50 | 51 | 53 | 53 | 53 | | | | | | |
| PCUF | CUFK | 5 | 5 | 3 | 5 | 6 | 5 | 6 | 6 | 6 | 8 | 7 | 7 | 6 | 6 | 7 | 7 | 7 | 5 | 6 | 5 | 4 | 5 | 3 | 3 | 5 | 5 | 7 | 4 | 4 | 11 | 26 | 29 | 28 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 30 | 29 | 28 | 29 | 32 | 34 | 34 | | | | |
| Total Co-Gen | | 59 | 57 | 57 | 58 | 57 | 57 | 60 | 59 | 57 | 62 | 62 | 59 | 59 | 59 | 57 | 62 | 59 | 62 | 57 | 59 | 57 | 57 | 57 | 56 | 56 | 57 | 59 | 60 | 58 | 57 | 64 | 77 | 81 | 80 | 81 | 82 | 82 | 82 | 81 | 82 | 82 | 83 | 81 | 78 | 80 | 85 | 87 | 87 | | | | |
| Total Gen | | 10774 | 10571 | 10419 | 10044 | 9900 | 9798 | 9633 | 9557 | 9358 | 9244 | 9261 | 9309 | 9333 | 9438 | 9591 | 9543 | 10072 | 11066 | 11609 | 12270 | 12624 | 13088 | 13250 | 13426 | 13424 | 13252 | 13174 | 13806 | 13647 | 13930 | 13935 | 14008 | 13990 | 13983 | 13649 | 13213 | 12807 | 12514 | 12559 | 13064 | 13508 | 13445 | 13364 | 13224 | 12982 | 12925 | 12709 | 12558 | | | | |
| 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 | 0 | | |
| TIE-HVDC | | -29 | -29 | -29 | 29 | 31 | 31 | 29 | 32 | 31 | 31 | 31 | 29 | 29 | 31 | 30 | 30 | 29 | 31 | 31 | 31 | 31 | 29 | 29 | 29 | 30 | 30 | 30 | 30 | 30 | 30 | 31 | 31 | 30 | 30 | 30 | 30 | 30 | 30 | 29 | 29 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | | |
| TIE-PLTG | | -40 | -85 | -30 | -57 | 29 | -55 | -69 | 18 | -22 | -36 | -135 | -4 | -57 | -104 | 22 | 11 | -58 | -78 | -84 | -41 | -9 | -13 | 10 | -69 | -27 | -50 | -38 | 4 | -130 | 28 | -12 | 109 | 59 | 17 | 0 | 47 | 6 | 105 | 13 | -69 | 68 | -18 | 25 | -1 | -8 | -81 | -18 | -101 | | | | |
| Interconnection | | -69 | -114 | -59 | -28 | 60 | -24 | -40 | 50 | 9 | -5 | -104 | 25 | -28 | -73 | 52 | 41 | -29 | -47 | -53 | -10 | 22 | 18 | 39 | -40 | 2 | -21 | -8 | 34 | -100 | 58 | 18 | 139 | 90 | 48 | 30 | 77 | 36 | 135 | 43 | -39 | 97 | 11 | 55 | 29 | 22 | -51 | 12 | -71 | | | | |
| System Total | | 10843 | 10685 | 10478 | 10072 | 9840 | 9822 | 9673 | 9507 | 9349 | 9249 | 9365 | 9284 | 9361 | 9511 | 9539 | 9502 | 10101 | 11113 | 11662 | 12280 | 12602 | 13070 | 13211 | 13466 | 13422 | 13273 | 13182 | 13472 | 13747 | 13872 | 13917 | 13869 | 13900 | 13935 | 13619 | 13136 | 12771 | 12379 | 12516 | 13103 | 13411 | 13434 | 13309 | 13195 | 12960 | 12976 | 12697 | 12629 | | | | |
| SRev ST-Coal | | 205 | 236 | 253 | 386 | 415 | 444 | 467 | 500 | 674 | 659 | 699 | 678 | 712 | 684 | 635 | 626 | 429 | 219 | 222 | 221 | 222 | 206 | 217 | 205 | 223 | 217 | 225 | 216 | 222 | 211 | 209 | 214 | 214 | 215 | 216 | 214 | 208 | 212 | 214 | 205 | 211 | 209 | 222 | 215 | 206 | 193 | 195 | 195 | | | | |
| 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 | 0 | |
| SRev ST-Oil | | 28 | 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 COGT-Gas | | 373 | 591 | 426 | 622 | 832 | 875 | 997 | 1079 | 1080 | 1253 | 1231 | 1216 | 1153 | 1111 | 1214 | 1368 | 1324 | 803 | 446 | 248 | 186 | 388 | 355 | 252 | 335 | 287 | 253 | 202 | 188 | 211 | 191 | 197 | 196 | 183 | 188 | 261 | 348 | 480 | 542 | 429 | 403 | 440 | 348 | 419 | 471 | 449 | 415 | 498 | | | | |
| 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 | 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 | 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 |
| Syncon | | 625 | 625 | 474 | 625 | 625 | 625 | 625 | 625 | 625 | 625 | 625 | 625 | 625 | 474 | 474 | 625 | 625 | 625 | 625 | 323 | 237 | 151 | 151 | 151 | 302 | 539 | 625 | 474 | 323 | 151 | 302 | 302 | 302 | 151 | 388 | 388 | 539 | 625 | 625 | 388 | 388 | 86 | 86 | 86 | 86 | 86 | 237 | 237 | | | | |
| Hydro | | 98 | 84 | 135 | 98 | 45 | 93 | 92 | 94 | 94 | 93 | 85 | 86 | 88 | 205 | 212 | 93 | 83 | 87 | 86 | 111 | 202 | 280 | 300 | 280 | 184 | 174 | 103 | 96 | 159 | 271 | 201 | 301 | 312 | 420 | 298 | 332 | 204 | 212 | 115 | 78 | 131 | 137 | 300 | 278 | 345 | 264 | 193 | 211 | | | | |
| S.Reserve Total | | 1329 | 1536 | 1288 | 1731 | 1917 | 2037 | 2181 | 2298 | 2473 | 2630 | 2640 | 2605 | 2578 | 2474 | 2535 | 2712 | 2461 | 1734 | 1379 | 916 | 851 | 1028 | 1029 | 892 | 1049 | 1225 | 1209 | 1124 | 958 | 954 | 960 | 1051 | 1075 | 1085 | 1150 | 1279 | 1437 | 1671 | 1633 | 1377 | 1141 | 1204 | 983 | 1099 | 1130 | 992 | 1040 | 1141 | | | | |