

**Availability At Daily Maximum Demand Hour**

ST-Coal	1,380 MW
ST-Gas	0 MW
ST-Oil	150 MW
Gas	4,291 MW
Hydro	1,808 MW
Distillate	90 MW
<b>Total TNB</b>	<b>7,719 MW</b>
<b>Total IPP</b>	<b>10,699 MW</b>
<b>Total Co-Gen</b>	<b>79 MW</b>
<b>System Total</b>	<b>18,497 MW</b>

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

At Daily Maximum Demand Hour : 11:30	
TNB Generation	5,445 MW
IPP Generation	9,410 MW
Total Set On Bus	15,983 MW
Maximum Demand	14,996 MW
Spinning Reserve	1,049 MW
Net Energy	313,694 MWH
Load Factor	87.2 %

**Maximum Demand Record**

Date :	20/06/2012	15,826.0 MW
Date :	20/06/2012	328,716.0 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	12700	12070	11676	11308	10959	10886	11149	11183	11649	13252	14072	14876	14801	14338	14778	14859	14827	14392	13497	13251	14091	13991	13285	12764

**Gas Usage**

Station	(mmscfd)
CBPS	46
GLGR	58
PAKA	134
PGPS	27
TJGS	213
<b>TNB Total</b>	<b>478</b>
KLPP	88
MPSS	56
PGLA	86
SGB3	62
SGRI	119
SKSP	54
YPGS	35
YPKA	129
<b>IPP Total</b>	<b>630</b>
<b>Total Gas</b>	<b>1,108</b>

Total Gas Required : 1,325  
Gas Calorific Value : 38,500

**Alternate Fuel Usage**

Station	(mmscfd)
KLPP	16
PDPS	6
PGLA	4
PGPS	15
PKLG	135
PTEK	6
SGB3	17
SGRI	18
<b>Total</b>	<b>217</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	33,099.00	10.55 %
Gas	63,691.00	20.30 %
Hydro	12,351.00	3.94 %
Distillate	1,835.00	0.58 %
<b>Total TNB</b>	<b>110,976.0</b>	<b>35.38 %</b>
ST-Coal	96,079.0	30.63 %
ST-Oil	13,387.0	4.27 %
Gas	82,748.0	26.38 %
Distillate	7,954.0	2.54 %
<b>Total IPP</b>	<b>200,168.0</b>	<b>63.81 %</b>
Co-Gen	2,084.0	0.66 %
<b>Total Co-Gen</b>	<b>2,084.0</b>	<b>0.66 %</b>
<b>Total Generation</b>	<b>313,228.0</b>	<b>99.85 %</b>
PLTG	233.0	0.07 %
HVDC	-699.0	-0.22 %
<b>Interconnection</b>	<b>-466.0</b>	<b>-0.15 %</b>
<b>Net Energy</b>	<b>313,694.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	329
Hydro	167
Syncon	455
Thermal	-1
<b>Total</b>	<b>949</b>

**Weather**
**Temperature**

Morning	Sunny	28
Afternoon	Hot	32





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	
PGPS	GT3A	55	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PTEK	GT2A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SGB3	GT31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SGRI	GT12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SGRI	GT13	124	125	125	32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SGRI	GT22	128	40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<b>Total Distillate</b>		<b>307</b>	<b>180</b>	<b>125</b>	<b>32</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>	<b>0</b>	<b>0</b>	<b>0</b>		
PCUF	CUFG	48	48	48	48	49	50	49	48	51	48	50	48	49	48	48	49	49	48	48	48	48	49	47	51	
PCUF	CUFK	39	40	35	36	39	37	39	40	39	39	36	38	37	39	36	38	34	33	35	33	32	32	30	30	
<b>Total Co-Gen</b>		<b>87</b>	<b>88</b>	<b>83</b>	<b>84</b>	<b>88</b>	<b>87</b>	<b>88</b>	<b>88</b>	<b>90</b>	<b>87</b>	<b>86</b>	<b>86</b>	<b>87</b>	<b>86</b>	<b>86</b>	<b>82</b>	<b>83</b>	<b>83</b>	<b>82</b>	<b>81</b>	<b>81</b>	<b>78</b>	<b>79</b>		
<b>Total Gen</b>		<b>12694</b>	<b>12508</b>	<b>12060</b>	<b>11907</b>	<b>11622</b>	<b>11442</b>	<b>11233</b>	<b>11082</b>	<b>10972</b>	<b>10936</b>	<b>10923</b>	<b>10940</b>	<b>11143</b>	<b>11312</b>	<b>11323</b>	<b>11003</b>	<b>11638</b>	<b>12550</b>	<b>13228</b>	<b>13758</b>	<b>14066</b>	<b>14489</b>	<b>14805</b>	<b>14934</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		-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	
TIE-PLTG		23	21	20	89	-25	-21	-46	-10	42	47	66	43	23	-17	169	-13	19	18	5	47	23	-99	-42	-33	
<b>Interconnection</b>		<b>-6</b>	<b>-8</b>	<b>-10</b>	<b>59</b>	<b>-54</b>	<b>-50</b>	<b>-75</b>	<b>-39</b>	<b>13</b>	<b>18</b>	<b>37</b>	<b>14</b>	<b>-6</b>	<b>-46</b>	<b>140</b>	<b>-42</b>	<b>-11</b>	<b>-12</b>	<b>-24</b>	<b>18</b>	<b>-6</b>	<b>-128</b>	<b>-71</b>	<b>-62</b>	
<b>System Total</b>		<b>12700</b>	<b>12516</b>	<b>12070</b>	<b>11848</b>	<b>11676</b>	<b>11492</b>	<b>11308</b>	<b>11121</b>	<b>10959</b>	<b>10918</b>	<b>10886</b>	<b>10926</b>	<b>11149</b>	<b>11358</b>	<b>11183</b>	<b>11045</b>	<b>11649</b>	<b>12562</b>	<b>13252</b>	<b>13740</b>	<b>14072</b>	<b>14587</b>	<b>14876</b>	<b>14996</b>	
SRev ST-Coal		16	12	8	16	19	9	24	9	12	15	11	13	12	9	35	7	12	35	0	3	7	-11	25	7	
SRev ST-Oil		-1	-1	1	4	2	2	1	1	0	0	1	1	0	0	0	0	0	-3	-3	-1	-1	-1	2	0	
SRev CCGT-Gas		658	561	880	879	925	1036	1218	1383	1476	1502	1506	1486	1300	1160	1086	1414	1092	1075	825	457	370	282	268	397	
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
SRev Distillate		63	190	15	108	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
Syncon		474	625	625	625	726	575	726	726	726	726	726	726	726	575	726	726	625	625	625	625	474	474	323	323	
Hydro		153	83	104	155	84	213	76	77	94	98	109	110	95	70	257	126	77	136	196	160	215	360	218	296	
<b>S.Reserve Total</b>		<b>1369</b>	<b>1476</b>	<b>1639</b>	<b>1793</b>	<b>1762</b>	<b>1841</b>	<b>2051</b>	<b>2202</b>	<b>2314</b>	<b>2347</b>	<b>2359</b>	<b>2342</b>	<b>2139</b>	<b>1971</b>	<b>1959</b>	<b>2279</b>	<b>1910</b>	<b>1874</b>	<b>1651</b>	<b>1250</b>	<b>1081</b>	<b>1122</b>	<b>884</b>	<b>1049</b>	