

**Availability At Daily Maximum Demand Hour**

ST-Coal	1,200 MW
ST-Gas	0 MW
ST-Oil	155 MW
Gas	3,367 MW
Hydro	1,461 MW
Distillate	230 MW
<b>Total TNB</b>	<b>6,413 MW</b>
<b>Total IPP</b>	<b>10,332 MW</b>
<b>Total Co-Gen</b>	<b>79 MW</b>
<b>System Total</b>	<b>16,824 MW</b>

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

At Daily Maximum Demand Hour : 20:00	
TNB Generation	4,367 MW
IPP Generation	7,364 MW
Total Set On Bus	12,804 MW
Maximum Demand	11,869 MW
Spinning Reserve	994 MW
Net Energy	249,931 MWH
Load Factor	87.7 %

**Maximum Demand Record**

Date :	09/05/2011	15,476.0 MW
Date :	10/05/2011	318,459.0 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	11215	10704	10238	10027	9696	9540	9390	9354	9107	9708	10169	10734	10842	10544	10835	10818	10647	10571	10351	10678	11869	11841	11489	11180

**Gas Usage**

Station	(mmscfd)
CBPS	2
GLGR	56
PAKA	126
PGPS	48
SRDG	3
TJGS	104
<b>TNB Total</b>	<b>338</b>
KLPP	12
MPSS	50
PGLA	83
PLPS	110
SGB3	51
SGRI	40
SKSP	44
YPGS	30
YPKA	96
<b>IPP Total</b>	<b>517</b>
<b>Total Gas</b>	<b>855</b>

Total Gas Required : 955  
Gas Calorific Value : 38,500

**Alternate Fuel Usage**

Station	(mmscfd)
PGPS	34
PKLG	66
<b>Total</b>	<b>99</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	27,217.00	10.89 %
ST-Oil	3,180.00	1.27 %
Gas	44,272.00	17.71 %
Hydro	9,066.00	3.63 %
<b>Total TNB</b>	<b>83,735.0</b>	<b>33.50 %</b>
ST-Coal	87,305.0	34.93 %
ST-Gas	221.0	0.09 %
ST-Oil	6,433.0	2.57 %
Gas	69,470.0	27.80 %
<b>Total IPP</b>	<b>163,429.0</b>	<b>65.39 %</b>
Co-Gen	1,974.0	0.79 %
<b>Total Co-Gen</b>	<b>1,974.0</b>	<b>0.79 %</b>
<b>Total Generation</b>	<b>249,138.0</b>	<b>99.68 %</b>
PLTG	-98.0	-0.04 %
HVDC	-695.0	-0.28 %
<b>Interconnection</b>	<b>-793.0</b>	<b>-0.32 %</b>
<b>Net Energy</b>	<b>249,931.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	358
Hydro	124
Syncon	368
Thermal	37
<b>Total</b>	<b>887</b>

	Weather	Temperature
Morning	Sunny	27
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																											
PCUF	CUFK	29	25	28	28	27	28	30	28	29	28	27	28	26	29	29	29	28	27	27	26	26	26	25	24	26	24	25	25	25	26	27	26	26	26	26	30	27	28	27	28	27	28	28								
<b>Total Co-Gen</b>		<b>79</b>	<b>73</b>	<b>77</b>	<b>78</b>	<b>76</b>	<b>77</b>	<b>77</b>	<b>78</b>	<b>77</b>	<b>78</b>	<b>77</b>	<b>76</b>	<b>77</b>	<b>76</b>	<b>77</b>	<b>76</b>	<b>78</b>	<b>78</b>	<b>76</b>	<b>75</b>	<b>74</b>	<b>74</b>	<b>73</b>	<b>72</b>	<b>73</b>	<b>72</b>	<b>70</b>	<b>71</b>	<b>69</b>	<b>70</b>	<b>70</b>	<b>71</b>	<b>77</b>	<b>75</b>	<b>76</b>	<b>76</b>	<b>75</b>	<b>74</b>	<b>79</b>	<b>75</b>	<b>77</b>	<b>77</b>	<b>77</b>	<b>76</b>	<b>78</b>	<b>77</b>					
<b>Total Gen</b>		<b>11176</b>	<b>10920</b>	<b>10665</b>	<b>10433</b>	<b>10175</b>	<b>9990</b>	<b>9993</b>	<b>9649</b>	<b>9660</b>	<b>9565</b>	<b>9484</b>	<b>9449</b>	<b>9317</b>	<b>9462</b>	<b>9236</b>	<b>9070</b>	<b>9106</b>	<b>9365</b>	<b>9660</b>	<b>9757</b>	<b>10128</b>	<b>10470</b>	<b>10675</b>	<b>10775</b>	<b>10792</b>	<b>10813</b>	<b>10560</b>	<b>10706</b>	<b>10809</b>	<b>10842</b>	<b>10807</b>	<b>10806</b>	<b>10675</b>	<b>10684</b>	<b>10480</b>	<b>10342</b>	<b>10320</b>	<b>10464</b>	<b>10600</b>	<b>11704</b>	<b>11810</b>	<b>11711</b>	<b>11805</b>	<b>11577</b>	<b>11424</b>	<b>11295</b>	<b>11143</b>	<b>11037</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	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	-28	-28	-29	-29	-28	-29	-29	-29	-29	-29	-29	-29	-28	-30	-30	-30	-30	-30	-28	-28	-29	-29	-30	-28	-28	-29	-29	-30	-30	-28	-31	-29	-28	-30	-28	-28	-28	-28	-28	-28	-30	-30	-30	-30	-30	-30	-30			
TIE-PLTG		-10	28	-11	17	-34	-31	-6	-123	-7	39	-27	-77	-44	-77	-89	12	28	-73	-18	-28	-11	45	-29	20	-22	-8	45	-7	4	-67	17	68	57	-23	-61	-73	0	-78	-50	51	-31	-28	-8	76	-37	31	-7	-27			
<b>Interconnection</b>		<b>-39</b>	<b>0</b>	<b>-39</b>	<b>-12</b>	<b>-63</b>	<b>-59</b>	<b>-34</b>	<b>-152</b>	<b>-36</b>	<b>10</b>	<b>-56</b>	<b>-106</b>	<b>-73</b>	<b>-106</b>	<b>-118</b>	<b>-17</b>	<b>-1</b>	<b>-101</b>	<b>-48</b>	<b>-58</b>	<b>-41</b>	<b>15</b>	<b>-59</b>	<b>-8</b>	<b>-50</b>	<b>-37</b>	<b>16</b>	<b>-36</b>	<b>-26</b>	<b>-95</b>	<b>-11</b>	<b>39</b>	<b>28</b>	<b>-53</b>	<b>-91</b>	<b>-101</b>	<b>-31</b>	<b>-107</b>	<b>-78</b>	<b>21</b>	<b>-59</b>	<b>-56</b>	<b>-36</b>	<b>48</b>	<b>-65</b>	<b>1</b>	<b>-37</b>	<b>-57</b>			
<b>System Total</b>		<b>11215</b>	<b>10920</b>	<b>10704</b>	<b>10445</b>	<b>10238</b>	<b>10049</b>	<b>10027</b>	<b>9801</b>	<b>9696</b>	<b>9555</b>	<b>9540</b>	<b>9555</b>	<b>9390</b>	<b>9568</b>	<b>9354</b>	<b>9087</b>	<b>9107</b>	<b>9466</b>	<b>9708</b>	<b>9815</b>	<b>10169</b>	<b>10455</b>	<b>10734</b>	<b>10783</b>	<b>10842</b>	<b>10850</b>	<b>10544</b>	<b>10742</b>	<b>10835</b>	<b>10937</b>	<b>10818</b>	<b>10767</b>	<b>10647</b>	<b>10737</b>	<b>10571</b>	<b>10443</b>	<b>10351</b>	<b>10571</b>	<b>10678</b>	<b>11683</b>	<b>11869</b>	<b>11767</b>	<b>11841</b>	<b>11529</b>	<b>11489</b>	<b>11294</b>	<b>11180</b>	<b>11094</b>			
SRev ST-Coal		30	20	24	142	136	210	217	300	303	307	293	332	336	352	318	338	338	343	368	245	181	79	22	29	72	135	66	66	59	40	33	25	21	-32	61	16	-2	22	103	27	25	23	26	19	26	-7	17	36			
SRev ST-Oil		2	3	3	3	1	1	1	1	1	1	7	29	29	29	29	28	7	3	3	3	3	3	3	3	3	3	3	2	2	3	5	4	3	3	19	31	32	31	31	2	3	4	3	4	5	30	27	29			
SRev CCGT-Gas		573	559	653	649	807	873	859	1002	989	1056	1155	1017	1110	967	974	989	948	809	631	589	495	316	393	329	332	251	578	458	408	362	547	584	786	844	858	1072	1229	1085	977	284	309	379	252	453	496	461	458	557			
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
SRev Distillate		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
Syncon		388	388	388	388	343	494	494	494	494	494	645	494	645	494	539	645	494	494	494	494	494	494	494	494	494	494	494	343	494	343	494	494	494	494	494	494	494	494	494	494	580	474	474	474	474	323	474	625	625	731	
Hydro		138	171	182	201	247	142	146	149	147	171	172	132	273	99	136	178	158	147	153	122	99	141	131	138	137	125	275	110	214	95	88	152	236	223	235	233	233	227	212	92	135	161	99	298	92	222	190	118			
<b>S.Reserve Total</b>		<b>1131</b>	<b>1141</b>	<b>1250</b>	<b>1383</b>	<b>1534</b>	<b>1720</b>	<b>1717</b>	<b>1946</b>	<b>1934</b>	<b>2029</b>	<b>2121</b>	<b>2155</b>	<b>2242</b>	<b>2092</b>	<b>1951</b>	<b>2072</b>	<b>2096</b>	<b>1796</b>	<b>1649</b>	<b>1453</b>	<b>1272</b>	<b>1033</b>	<b>1043</b>	<b>993</b>	<b>1038</b>	<b>1008</b>	<b>1265</b>	<b>1130</b>	<b>1026</b>	<b>994</b>	<b>1167</b>	<b>1259</b>	<b>1540</b>	<b>1532</b>	<b>1667</b>	<b>1846</b>	<b>1986</b>	<b>1847</b>	<b>1908</b>	<b>985</b>	<b>994</b>	<b>1219</b>	<b>879</b>	<b>1097</b>	<b>1093</b>	<b>1331</b>	<b>1317</b>	<b>1471</b>			