

**Availability At Daily Maximum Demand Hour**

ST-Coal	1,980	MW
ST-Gas	150	MW
ST-Oil	0	MW
Gas	4,666	MW
Hydro	1,561	MW
Distillate	60	MW
<b>Total TNB</b>	<b>8,417</b>	<b>MW</b>
<b>Total IPP</b>	<b>10,708</b>	<b>MW</b>
<b>Total Co-Gen</b>	<b>81</b>	<b>MW</b>
<b>System Total</b>	<b>19,756</b>	<b>MW</b>

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

At Daily Maximum Demand Hour : 16:00

TNB Generation	6,220	MW
IPP Generation	8,004	MW
Total Set On Bus	15,217	MW
Maximum Demand	14,307	MW
Spinning Reserve	912	MW
Net Energy	300,340	MWH
Load Factor	87.5	%

**Maximum Demand Record**

<b>Date :</b>	09/05/2011	15,476.0 MW
<b>Date :</b>	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	11606	11131	10797	10493	10305	10350	10538	10576	10975	12393	13140	13834	13956	13491	13680	14131	14307	13821	12991	12764	13816	13504	12846	12793

**Gas Usage**

Station	(mmscfd)
CBPS	58
GLGR	58
PAKA	46
PGPS	50
SRDG	15
TJGS	209
<b>TNB Total</b>	<b>436</b>
KLPP	102
MPSS	55
PGLA	113
PKLG	1
PLPS	115
SGRI	108
YPGS	69
YPKA	136
<b>IPP Total</b>	<b>700</b>
<b>Total Gas</b>	<b>1,135</b>
<b>Total Gas Required :</b>	<b>1,135</b>
<b>Gas Calorific Value :</b>	<b>38,500</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	46,753.00	15.57 %
Gas	57,736.00	19.22 %
Hydro	18,388.00	6.12 %
<b>Total TNB</b>	<b>122,877.0</b>	<b>40.91 %</b>
ST-Coal	82,969.0	27.63 %
Gas	91,696.0	30.53 %
<b>Total IPP</b>	<b>174,665.0</b>	<b>58.16 %</b>
Co-Gen	2,071.0	0.69 %
<b>Total Co-Gen</b>	<b>2,071.0</b>	<b>0.69 %</b>
<b>Total Generation</b>	<b>299,613.0</b>	<b>99.76 %</b>
PLTG	-130.0	-0.04 %
HVDC	-597.0	-0.20 %
<b>Interconnection</b>	<b>-727.0</b>	<b>-0.24 %</b>
<b>Net Energy</b>	<b>300,340.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	291
Hydro	234
Syncon	143
Thermal	238
<b>Total</b>	<b>906</b>

**Weather Temperature**

	Weather	Temperature
Morning	Sunny	27
Afternoon	Hot	31





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																											
TIE-HVDC		-29	-29	-30	-30	-29	-29	-29	-30	-30	-30	-29	-29	-29	-29	-28	-28	-29	-29	-29	-29	0	0	0	0	0	0	0	0	-29	-29	-30	-30	-29	-29	-29	-29															
TIE-PLTG		73	-39	8	-18	34	45	-9	49	67	-55	-35	-50	-4	-39	-92	-50	-13	-6	-29	39	22	18	-30	-47	-54	-19	74	40	12	-29	-15	-58	27	33	52	-8	23	-48	12	-19	-15	-59	15	7	85	-45	-54	98			
<b>Interconnection</b>		<b>44</b>	<b>-68</b>	<b>-22</b>	<b>-48</b>	<b>5</b>	<b>16</b>	<b>-38</b>	<b>20</b>	<b>37</b>	<b>-85</b>	<b>-65</b>	<b>-80</b>	<b>-33</b>	<b>-68</b>	<b>-121</b>	<b>-79</b>	<b>-41</b>	<b>-34</b>	<b>-58</b>	<b>10</b>	<b>-7</b>	<b>-11</b>	<b>-59</b>	<b>-76</b>	<b>-84</b>	<b>-49</b>	<b>46</b>	<b>12</b>	<b>-17</b>	<b>-58</b>	<b>-44</b>	<b>-87</b>	<b>-2</b>	<b>33</b>	<b>52</b>	<b>-8</b>	<b>23</b>	<b>-48</b>	<b>12</b>	<b>-19</b>	<b>-44</b>	<b>-88</b>	<b>-15</b>	<b>-23</b>	<b>56</b>	<b>-74</b>	<b>-83</b>	<b>69</b>			
<b>System Total</b>		<b>11606</b>	<b>11461</b>	<b>11131</b>	<b>10938</b>	<b>10797</b>	<b>10547</b>	<b>10493</b>	<b>10308</b>	<b>10305</b>	<b>10204</b>	<b>10350</b>	<b>10389</b>	<b>10538</b>	<b>10497</b>	<b>10576</b>	<b>10604</b>	<b>10975</b>	<b>11859</b>	<b>12393</b>	<b>12832</b>	<b>13140</b>	<b>13461</b>	<b>13834</b>	<b>13996</b>	<b>13956</b>	<b>13678</b>	<b>13491</b>	<b>13512</b>	<b>13680</b>	<b>13973</b>	<b>14131</b>	<b>14290</b>	<b>14307</b>	<b>14225</b>	<b>13821</b>	<b>13450</b>	<b>12991</b>	<b>12696</b>	<b>12764</b>	<b>13330</b>	<b>13816</b>	<b>13804</b>	<b>13504</b>	<b>13253</b>	<b>12846</b>	<b>12964</b>	<b>12793</b>	<b>12365</b>			
SRev ST-Coal		421	412	418	423	465	460	466	466	466	520	521	506	516	514	512	517	517	422	363	288	287	287	262	260	277	284	287	281	260	243	243	242	236	251	333	462	485	498	337	266	266	253	263	272	274	257	381				
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	
SRev CCGT-Gas		1280	1401	1549	1569	1572	1781	1717	1806	1793	1705	1743	1681	1671	1748	1735	1680	1501	872	500	223	287	207	134	211	219	299	294	280	266	210	215	260	258	244	293	458	457	821	636	295	304	152	244	428	613	279	204	211			
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	90	69	72	111	0	0	169	127	111	27	129	179	164	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	
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	
Syncon		736	736	736	585	736	736	736	736	736	736	736	736	736	736	585	736	736	736	625	625	86	86	86	86	86	86	86	86	86	86	172	172	172	172	0	0	0	0	86	86	86	86	86	172	172	172	172	172	172	283	
Hydro		177	114	132	208	87	129	84	129	125	76	93	80	72	89	80	206	86	81	163	108	422	341	307	245	273	251	298	321	206	226	213	178	283	297	368	334	295	272	308	282	179	301	284	346	381	279	341	263			
<b>S.Reserve Total</b>		<b>2614</b>	<b>2663</b>	<b>2835</b>	<b>2785</b>	<b>2860</b>	<b>3106</b>	<b>3003</b>	<b>3137</b>	<b>3125</b>	<b>3042</b>	<b>3098</b>	<b>3023</b>	<b>2990</b>	<b>3094</b>	<b>3070</b>	<b>2988</b>	<b>2845</b>	<b>2211</b>	<b>1715</b>	<b>1324</b>	<b>1088</b>	<b>926</b>	<b>904</b>	<b>873</b>	<b>910</b>	<b>1024</b>	<b>962</b>	<b>974</b>	<b>1094</b>	<b>995</b>	<b>954</b>	<b>880</b>	<b>912</b>	<b>956</b>	<b>1076</b>	<b>1125</b>	<b>1300</b>	<b>1664</b>	<b>1528</b>	<b>1000</b>	<b>835</b>	<b>891</b>	<b>953</b>	<b>1209</b>	<b>1438</b>	<b>1004</b>	<b>974</b>	<b>1138</b>			