

**Availability At Daily Maximum Demand Hour**

ST-Coal	1,290	MW
ST-Gas	150	MW
ST-Oil	0	MW
Gas	4,246	MW
Hydro	1,517	MW
Distillate	0	MW
<b>Total TNB</b>	<b>7,203</b>	<b>MW</b>
<b>Total IPP</b>	<b>10,646</b>	<b>MW</b>
<b>Total Co-Gen</b>	<b>85</b>	<b>MW</b>
<b>System Total</b>	<b>17,934</b>	<b>MW</b>

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

At Daily Maximum Demand Hour : 21:00		
TNB Generation	4,788	MW
IPP Generation	7,662	MW
Total Set On Bus	13,364	MW
Maximum Demand	12,519	MW
Spinning Reserve	829	MW
Net Energy	262,941	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	11835	11027	10703	10413	10142	9963	9834	9604	9297	9812	10436	11046	11074	11190	11210	11461	11469	11208	10908	11177	12456	12519	12372	12081

**Gas Usage**

Station	(mmscfd)
CBPS	37
GLGR	31
PAKA	1
PGPS	49
SRDG	20
TJGS	192
<b>TNB Total</b>	<b>329</b>
KLPP	4
MPSS	54
PGLA	116
PKLG	44
PLPS	62
SGB3	50
SKSP	54
YPGS	30
YPKA	94
<b>IPP Total</b>	<b>507</b>
<b>Total Gas</b>	<b>837</b>
<b>Total Gas Required :</b>	<b>837</b>
<b>Gas Calorific Value :</b>	<b>38,500</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	29,872.00	11.36 %
Gas	44,273.00	16.84 %
Hydro	15,322.00	5.83 %
<b>Total TNB</b>	<b>89,467.0</b>	<b>34.03 %</b>
ST-Coal	106,474.0	40.49 %
ST-Gas	4,189.0	1.59 %
Gas	61,345.0	23.33 %
<b>Total IPP</b>	<b>172,008.0</b>	<b>65.42 %</b>
Co-Gen	2,151.0	0.82 %
<b>Total Co-Gen</b>	<b>2,151.0</b>	<b>0.82 %</b>
<b>Total Generation</b>	<b>263,626.0</b>	<b>100.26 %</b>
PLTG	-36.0	-0.01 %
HVDC	721.0	0.27 %
<b>Interconnection</b>	<b>685.0</b>	<b>0.26 %</b>
<b>Net Energy</b>	<b>262,941.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	224
Hydro	169
Syncon	324
Thermal	81
<b>Total</b>	<b>798</b>

**Weather Temperature**

Weather	Temperature
Morning	Sunny 27
Afternoon	Hot 37





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	30	30	30	30	30	29	29	30	30	31	31	30	30	29	29	30	30	31	31	29	29	29	30	30	30	30	32	31	31	30	31	31																		
TIE-PLTG	-41	-44	38	47	47	-13	-9	-85	-124	-87	11	75	-4	-68	-28	14	-3	0	-88	23	-65	27	-59	35	62	96	55	-20	-14	-39	-21	-15	40	31	-12	33	19	92	-88	-38	70	57	-16	6	56	23	36	53		
Interconnection	-11	-14	68	77	77	17	20	-56	-94	-57	41	105	27	-37	2	44	27	30	-57	54	-35	57	-30	64	92	126	84	9	16	-9	10	16	69	62	17	62	48	122	-58	-8	100	87	16	37	87	53	67	84		
<b>System Total</b>	<b>11835</b>	<b>11462</b>	<b>11027</b>	<b>10918</b>	<b>10703</b>	<b>10600</b>	<b>10413</b>	<b>10436</b>	<b>10142</b>	<b>10175</b>	<b>9963</b>	<b>9969</b>	<b>9834</b>	<b>10029</b>	<b>9604</b>	<b>9269</b>	<b>9297</b>	<b>9455</b>	<b>9812</b>	<b>9941</b>	<b>10436</b>	<b>10757</b>	<b>11046</b>	<b>11211</b>	<b>11074</b>	<b>11149</b>	<b>11190</b>	<b>11288</b>	<b>11210</b>	<b>11590</b>	<b>11461</b>	<b>11560</b>	<b>11469</b>	<b>11388</b>	<b>11208</b>	<b>11019</b>	<b>10908</b>	<b>10843</b>	<b>11177</b>	<b>11945</b>	<b>12456</b>	<b>12417</b>	<b>12519</b>	<b>12436</b>	<b>12372</b>	<b>12267</b>	<b>12081</b>	<b>11967</b>		
SRev ST-Coal	70	-358	72	62	59	159	207	225	303	315	317	325	319	298	310	352	333	345	337	347	245	112	140	0	119	165	72	79	62	65	80	76	68	72	62	63	72	80	66	69	73	81	71	77	75	74	72	75		
SRev ST-Gas	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	10	5	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	21	10	5	3	2	2	1	1		
SRev ST-Oil	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	206	310	299	220	428	400	421	424	530	474	586	479	605	544	693	913	924	901	707	427	444	203	570	227	224	201	313	349	434	271	266	238	162	147	259	352	411	649	346	161	268	93	77	73	95	87	98	167		
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	625	625	625	474	474	323	625	625	625	474	474	625	625	625	625	625	625	625	625	0	0	302	453	539	539	539	539	539	302	453	302	302	539	625	625	625	539	539	453	0	302	453	453	453	453	453	454	
Hydro	275	209	282	156	135	173	74	255	102	70	74	156	255	68	211	134	248	87	65	127	129	228	55	133	136	117	136	120	71	114	70	148	268	133	255	304	197	272	154	118	338	208	201	163	136	226	209	138		
<b>S.Reserve Total</b>	<b>1209</b>	<b>819</b>	<b>1311</b>	<b>1096</b>	<b>1280</b>	<b>1239</b>	<b>1209</b>	<b>1260</b>	<b>1593</b>	<b>1517</b>	<b>1635</b>	<b>1467</b>	<b>1686</b>	<b>1568</b>	<b>1872</b>	<b>2057</b>	<b>2163</b>	<b>1991</b>	<b>1852</b>	<b>1644</b>	<b>936</b>	<b>661</b>	<b>1167</b>	<b>908</b>	<b>1136</b>	<b>1140</b>	<b>1178</b>	<b>1205</b>	<b>1224</b>	<b>870</b>	<b>982</b>	<b>877</b>	<b>913</b>	<b>1004</b>	<b>1229</b>	<b>1372</b>	<b>1418</b>	<b>1653</b>	<b>1218</b>	<b>829</b>	<b>943</b>	<b>859</b>	<b>829</b>	<b>891</b>	<b>835</b>	<b>1000</b>	<b>913</b>	<b>857</b>		