

**Availability At Daily Maximum Demand Hour**

ST-Coal	1,290 MW
ST-Gas	155 MW
ST-Oil	0 MW
Gas	3,786 MW
Hydro	1,836 MW
Distillate	60 MW
<b>Total TNB</b>	<b>7,127 MW</b>
<b>Total IPP</b>	<b>10,186 MW</b>
<b>Total Co-Gen</b>	<b>89 MW</b>
<b>System Total</b>	<b>17,402 MW</b>

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

At Daily Maximum Demand Hour : 21:00		
TNB Generation	4,492 MW	
IPP Generation	7,453 MW	
Total Set On Bus	13,014 MW	
Maximum Demand	11,968 MW	
Spinning Reserve	970 MW	
Net Energy	254,384 MWH	
Load Factor	88.6 %	

**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	11373	10866	10380	10212	10027	9825	9546	9650	9228	9710	10322	10811	10979	10949	11020	11051	11004	10756	10619	11402	11965	11968	11416	11069

**Gas Usage**

Station	(mmscfd)
CBPS	54
GLGR	61
PAKA	138
TJGS	157
<b>TNB Total</b>	<b>410</b>
KLPP	104
MPSS	56
PLPS	109
SGB3	69
SGRI	75
SKSP	33
YPGS	1
YPKA	67
<b>IPP Total</b>	<b>513</b>
<b>Total Gas</b>	<b>923</b>

Total Gas Required : 972  
Gas Calorific Value : 38.500

**Alternate Fuel Usage**

Station	(mmscfd)
PKLG	50
<b>Total</b>	<b>50</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	28,971.00	11.39 %
Gas	55,635.00	21.87 %
Hydro	10,336.00	4.06 %
<b>Total TNB</b>	<b>94,942.0</b>	<b>37.32 %</b>
ST-Coal	85,039.0	33.43 %
ST-Oil	4,725.0	1.86 %
Gas	67,948.0	26.71 %
<b>Total IPP</b>	<b>157,712.0</b>	<b>62.00 %</b>
Co-Gen	2,356.0	0.93 %
<b>Total Co-Gen</b>	<b>2,356.0</b>	<b>0.93 %</b>
<b>Total Generation</b>	<b>255,010.0</b>	<b>100.25 %</b>
PLTG	-89.0	-0.03 %
HVDC	715.0	0.28 %
<b>Interconnection</b>	<b>626.0</b>	<b>0.25 %</b>
<b>Net Energy</b>	<b>254,384.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	304
Hydro	129
Syncon	588
Thermal	42
<b>Total</b>	<b>1063</b>

**Weather Temperature**

Weather	Temperature
Morning	Cloudy 24
Afternoon	Rainy 30





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	30	30	29	29	30	30	30	30	31	31	30	30	29	29	28	29	29	29	29	29	29	30	30	30	30	30	30	31	31	30	30	30	30	30	30	30	30	30	30	30	30						
TIE-PLTG		-3	41	-75	-21	10	-86	32	16	9	73	-53	29	87	-4	-8	-43	-12	-41	-27	-54	-71	-21	-29	-38	5	11	29	10	47	25	33	6	-74	-27	-44	37	-39	-25	-69	-66	14	17	46	65	-51	-54	26	-15				
<b>Interconnection</b>		27	71	-45	9	40	-56	62	46	38	102	-23	59	117	26	23	-12	18	-11	2	-25	-43	8	0	-9	34	40	58	39	77	55	63	36	-44	3	-14	67	-8	6	-39	-36	44	47	76	95	-21	-24	56	15				
<b>System Total</b>		11373	10994	10866	10613	10380	10380	10212	10042	10027	9691	9825	9561	9546	9568	9650	9427	9228	9525	9710	9891	10322	10557	10811	11048	10979	10958	10949	11029	11020	11024	11051	10945	11004	11012	10756	10611	10619	10925	11402	11945	11965	11889	11968	11699	11416	11619	11069	10885				
SRev ST-Coal		90	91	93	90	44	145	149	248	254	328	352	353	354	393	396	404	369	367	370	341	349	152	124	40	18	20	30	21	23	15	20	20	19	-8	20	60	71	97	20	21	26	4	5	3	-2	2	-1	-1				
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 ST-Oil		27	27	26	29	26	26	26	26	27	27	26	26	26	26	26	27	31	39	39	33	28	29	29	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28		
SRev CCGT-Gas		553	674	500	260	271	269	279	289	258	409	480	577	532	603	511	547	650	544	808	640	294	268	475	274	308	323	323	266	334	358	326	445	465	437	676	779	811	721	753	367	383	368	249	444	738	310	479	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	
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	0
SRev Co-Gen		-13	-6	-5	-6	-7	-5	-7	-6	-5	-5	-6	-7	-7	-4	-6	-4	-5	-6	-5	-4	5	-3	-8	-4	-5	-5	-6	-5	-5	-5	-2	2	-7	-5	-7	-6	-6	-6	-3	-6	-7	-7	-10	-8	-6	-8	-5	-5				
Syncon		777	777	777	626	777	877	877	877	877	726	877	877	877	726	877	877	877	877	877	877	877	877	877	877	877	877	877	877	877	877	877	877	877	877	877	877	877	877	877	877	877	877	877	877	877	877	877	877	877			
Hydro		168	194	62	205	151	148	84	161	107	285	45	129	126	242	35	69	126	90	207	154	39	228	84	38	103	100	82	109	159	338	329	343	205	206	112	172	177	151	165	75	252	61	73	131	180	116	268	93				
<b>S.Reserve Total</b>		1602	1757	1453	1204	1262	1460	1508	1695	1518	1770	1774	1955	1908	1986	1839	1919	2044	1903	2045	1947	1497	1399	1480	1254	1329	1343	1334	1296	1416	1460	1427	1564	1436	1384	1555	1759	1807	1717	1588	1110	1156	1079	970	1223	1412	771	1243	1238				