

**Availability At Daily Maximum Demand Hour**

ST-Coal	1,200	MW
ST-Gas	0	MW
ST-Oil	85	MW
Gas	3,477	MW
Hydro	1,409	MW
Distillate	60	MW
<b>Total TNB</b>	<b>6,231</b>	<b>MW</b>
<b>Total IPP</b>	<b>10,827</b>	<b>MW</b>
<b>Total Co-Gen</b>	<b>79</b>	<b>MW</b>
<b>System Total</b>	<b>17,137</b>	<b>MW</b>

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

At Daily Maximum Demand Hour : 11:30		
TNB Generation	3,765	MW
IPP Generation	9,014	MW
Total Set On Bus	13,785	MW
Maximum Demand	12,851	MW
Spinning Reserve	927	MW
Net Energy	282,397	MWH
Load Factor	91.6	%

**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	12144	11713	11124	10768	10622	10747	10549	10229	10141	11397	12315	12841	12708	12527	12763	12719	12617	12144	12040	12042	12507	12730	12566	12271

**Gas Usage**

Station	(mmscfd)
CBPS	49
GLGR	56
PAKA	133
PGPS	48
TJGS	34
<b>TNB Total</b>	<b>320</b>
KLPP	74
MPSS	51
PGLA	45
PLPS	111
SGB3	70
SGRI	31
SKSP	47
YPGS	33
YPKA	105
<b>IPP Total</b>	<b>567</b>
<b>Total Gas</b>	<b>887</b>
<b>Total Gas Required :</b>	<b>994</b>
<b>Gas Calorific Value :</b>	<b>38.500</b>

**Alternate Fuel Usage**

Station	(mmscfd)
KLPP	4
PGPS	19
PKLG	67
SGB3	3
TJGS	14
<b>Total</b>	<b>107</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	27,331.00	9.68 %
ST-Oil	1,770.00	0.63 %
Gas	40,301.00	14.27 %
Hydro	9,949.00	3.52 %
Distillate	1,821.00	0.64 %
<b>Total TNB</b>	<b>81,172.0</b>	<b>28.74 %</b>
ST-Coal	115,403.0	40.87 %
ST-Oil	6,642.0	2.35 %
Gas	75,818.0	26.85 %
Distillate	851.0	0.30 %
<b>Total IPP</b>	<b>198,714.0</b>	<b>70.37 %</b>
Co-Gen	2,031.0	0.72 %
<b>Total Co-Gen</b>	<b>2,031.0</b>	<b>0.72 %</b>
<b>Total Generation</b>	<b>281,917.0</b>	<b>99.83 %</b>
PLTG	219.0	0.08 %
HVDC	-699.0	-0.25 %
<b>Interconnection</b>	<b>-480.0</b>	<b>-0.17 %</b>
<b>Net Energy</b>	<b>282,397.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	344
Hydro	150
Syncon	361
Thermal	45
<b>Total</b>	<b>899</b>

**Weather Temperature**

Time	Weather	Temperature
Morning	Sunny	26
Afternoon	Cloudy	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																											
<b>Total Gen</b>	12165	11810	11636	11467	11074	11043	10701	10746	10599	10709	10661	10591	10461	10509	10302	10140	10057	10771	11325	11807	12291	12450	12788	12858	12680	12549	12473	12572	12725	12750	12704	12544	12606	12545	12221	12033	11986	11862	11999	12205	12532	12688	12705	12576	12604	12542	12351	11974			
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	0	
TIE-HVDC	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	
TIE-PLTG	50	125	-48	-49	-21	-14	-38	-26	6	-50	-57	39	-59	26	102	30	-55	3	-43	84	4	31	-24	36	1	-13	-25	8	-9	32	16	21	20	10	105	-9	-23	-47	-14	30	54	68	3	16	68	55	109	21			
Interconnection	21	96	-77	-78	-50	-43	-67	-55	-23	-79	-86	10	-88	-3	73	1	-84	-26	-72	55	-24	3	-53	7	-28	-42	-54	-21	-38	4	-15	-10	-11	-19	77	-40	-54	-77	-43	2	25	40	-25	-13	38	25	80	-8			
<b>System Total</b>	12144	11714	11713	11545	11124	11086	10768	10801	10622	10788	10747	10581	10549	10512	10229	10139	10141	10797	11397	11752	12315	12447	12841	12851	12708	12591	12527	12593	12763	12746	12719	12554	12617	12564	12144	12073	12040	11939	12042	12203	12507	12648	12730	12589	12566	12517	12271	11982			
SRev ST-Coal	36	25	20	23	24	25	108	167	228	228	217	230	319	326	361	362	358	351	256	146	122	16	22	46	64	23	23	27	22	27	34	26	22	35	28	37	16	122	68	60	48	19	37	36	38	34	11	66			
SRev ST-Oil	8	1	1	0	1	2	2	2	1	1	1	1	1	1	1	1	1	1	2	1	2	2	3	3	3	4	4	4	3	2	2	2	2	4	3	3	3	3	3	3	3	3	3	3	12	2	2	3	1		
SRev CCGT-Gas	397	530	535	493	788	851	961	949	958	942	953	959	971	948	963	951	910	813	544	271	399	383	234	234	355	608	645	601	376	366	384	657	559	578	663	876	852	1006	924	679	426	332	357	452	406	304	432	576			
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	17	81	22	-7	0	-2	-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	539	474	323	323	474	474	580	580	580	580	580	580	580	429	580	580	580	474	474	474	474	474	474	474	474	474	474	474	474	474	474	474	474	474	474	474	474	474	474	474	474	474	474	474	474	474	474	474	474	474	
Hydro	257	145	226	234	173	139	184	90	166	72	120	172	188	290	170	116	70	121	118	231	104	208	262	318	206	124	163	104	195	176	193	391	122	150	223	113	209	76	151	192	128	177	118	144	114	334	148	219			
<b>S.Reserve Total</b>	1257	1259	1130	1069	1463	1492	1836	1791	1936	1826	1875	1945	2062	1996	2076	2116	2033	1868	1501	1127	1103	1086	997	927	1105	1236	1312	1213	1070	1045	1090	1251	1182	1244	1394	1506	1557	1684	1623	1411	1082	1008	992	1121	1037	997	1068	1336			