

**Availability At Daily Maximum Demand Hour**

ST-Coal	1,200 MW
ST-Gas	0 MW
ST-Oil	85 MW
Gas	3,597 MW
Hydro	1,554 MW
Distillate	60 MW
<b>Total TNB</b>	<b>6,496 MW</b>
<b>Total IPP</b>	<b>10,789 MW</b>
<b>Total Co-Gen</b>	<b>73 MW</b>
<b>System Total</b>	<b>17,358 MW</b>

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

At Daily Maximum Demand Hour : 11:30		
TNB Generation	4,079 MW	
IPP Generation	8,790 MW	
Total Set On Bus	13,839 MW	
Maximum Demand	13,037 MW	
Spinning Reserve	897 MW	
Net Energy	286,344 MWH	
Load Factor	91.5 %	

**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	12332	11942	11383	11129	11012	10959	10755	10329	10154	11132	12259	12843	12717	12508	12760	12826	12750	12442	12095	11818	12658	12917	12735	12503

**Gas Usage**

Station	(mmscfd)
CBPS	53
GLGR	57
PAKA	134
PGPS	49
TJGS	49
<b>TNB Total</b>	<b>342</b>
KLPP	73
MPSS	49
PGLA	89
PKLG	12
PLPS	92
SGB3	89
SKSP	46
YPGS	33
YPKA	104
<b>IPP Total</b>	<b>587</b>
<b>Total Gas</b>	<b>929</b>
<b>Total Gas Required :</b>	<b>1,034</b>
<b>Gas Calorific Value :</b>	<b>38.500</b>

**Alternate Fuel Usage**

Station	(mmscfd)
KLPP	2
PGLA	4
PGPS	19
PKLG	79
SGB3	2
<b>Total</b>	<b>105</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	27,046.00	9.45 %
ST-Oil	1,783.00	0.62 %
Gas	43,393.00	15.15 %
Hydro	10,945.00	3.82 %
<b>Total TNB</b>	<b>83,167.0</b>	<b>29.04 %</b>
ST-Coal	114,345.0	39.93 %
ST-Gas	1,153.0	0.40 %
ST-Oil	7,728.0	2.70 %
Gas	77,596.0	27.10 %
Distillate	966.0	0.34 %
<b>Total IPP</b>	<b>201,788.0</b>	<b>70.47 %</b>
Co-Gen	1,984.0	0.69 %
<b>Total Co-Gen</b>	<b>1,984.0</b>	<b>0.69 %</b>
<b>Total Generation</b>	<b>286,939.0</b>	<b>100.21 %</b>
PLTG	-136.0	-0.05 %
HVDC	731.0	0.26 %
<b>Interconnection</b>	<b>595.0</b>	<b>0.21 %</b>
<b>Net Energy</b>	<b>286,344.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	261
Hydro	156
Syncon	392
Thermal	28
<b>Total</b>	<b>837</b>

**Weather Temperature**

Weather	Temperature
Morning	Sunny 28
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																									
PCUF	CUFG	53	51	53	51	51	52	50	51	51	52	52	53	53	52	52	52	52	53	53	52	51	53	52	51	52	50	53	53	52	52	51	52	51	52	51														
PCUF	CUFK	23	23	26	25	26	27	28	27	28	27	27	28	29	26	28	29	31	27	25	25	22	22	21	22	22	20	22	21	24	22	21	22	24	24	23	25	24	28	31	33	29	31	30	30	31	28	29	29	
Total Co-Gen		76	74	79	76	77	79	78	78	79	79	80	81	80	79	80	81	83	79	77	76	73	73	73	74	73	74	73	76	74	74	75	76	76	74	78	76	79	83	83	82	84	82	82	83	79	81	80		
Total Gen		12350	12276	11873	11736	11440	11273	11209	11055	11062	11025	11021	10901	10810	10710	10448	10312	10213	10653	11152	11774	12306	12650	12791	12942	12737	12617	12555	12508	12764	12994	12863	12772	12807	12665	12465	12276	12144	12078	11905	12430	12624	12862	12951	12885	12756	12609	12452	12474	
TIE-EGAT		-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1			
TIE-HVDC		31	31	31	31	29	31	31	31	31	30	30	31	31	30	30	30	29	29	30	30	31	31	31	31	31	31	31	31	30	30	31	30	29	29	31	31	31	31	31	31	31	30	30	30	31	31	31		
TIE-PLTG		-12	74	-99	-14	29	-163	50	120	20	10	33	21	25	71	90	94	30	-157	-8	-5	18	40	-82	-125	-10	-2	17	-17	-26	22	8	-100	28	-35	-5	23	19	-42	57	16	-64	8	5	0	-8	-5	-81	6	
Interconnection		18	104	-69	16	57	-133	80	150	50	39	62	51	55	100	119	123	59	-129	20	24	47	70	-52	-95	20	28	47	13	4	51	37	-70	57	-7	23	53	49	-12	87	46	-34	37	34	29	21	25	-51	36	
System Total		12332	12172	11942	11720	11383	11406	11129	10905	11012	10986	10959	10850	10755	10610	10329	10189	10154	10782	11132	11750	12259	12580	12843	13037	12717	12589	12508	12495	12760	12943	12826	12842	12750	12672	12442	12223	12095	12090	11818	12384	12658	12825	12917	12856	12735	12584	12503	12438	
SRev ST-Coal		67	69	51	45	50	78	88	49	11	78	48	122	314	317	327	362	362	361	219	11	16	11	12	6	23	16	15	-28	15	22	12	11	27	18	38	38	73	68	66	73	56	63	64	58	66	61	52	60	
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
SRev ST-Oil		4	2	3	3	3	5	4	4	3	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	8	10	12	11	7	30	49	48	0	12	12	-4	-1	16	13	11
SRev CCGT-Gas		523	577	768	709	817	678	760	950	983	1098	1116	1087	922	988	1170	1083	1194	915	733	716	467	266	272	317	394	375	372	405	285	296	291	243	215	211	470	559	671	750	797	449	406	221	133	213	345	514	477	239	
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
SRev Distillate		45	46	111	17	64	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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
Syncon		625	625	625	625	625	625	625	625	625	625	625	625	625	625	731	731	731	580	625	474	474	474	474	323	323	474	474	323	474	474	475	475	475	475	475	475	475	475	474	474	474	474	474	474	172	474	474		
Hydro		85	102	76	84	106	78	100	103	103	240	104	100	95	148	94	169	193	198	261	222	160	228	202	248	234	228	296	201	235	145	140	166	440	221	258	107	101	93	187	129	95	95	91	99	116	350	91	90	
S.Reserve Total		1349	1421	1634	1483	1665	1464	1577	1731	1725	1892	1896	1937	1959	2084	2323	2339	2439	2057	1835	1416	1093	974	963	897	1128	1097	1160	1206	1003	939	1070	1046	1012	934	1252	1190	1327	1416	1574	1173	1031	865	774	840	1000	1113	1107	1024	