

**Availability At Daily Maximum Demand Hour**

ST-Coal	2,070	MW
ST-Gas	0	MW
ST-Oil	70	MW
Gas	3,856	MW
Hydro	1,815	MW
Distillate	0	MW
<b>Total TNB</b>	<b>7,811</b>	<b>MW</b>
<b>Total IPP</b>	<b>10,327</b>	<b>MW</b>
<b>Total Co-Gen</b>	<b>68</b>	<b>MW</b>
<b>System Total</b>	<b>18,206</b>	<b>MW</b>

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

At Daily Maximum Demand Hour : 15:30		
TNB Generation	5,264	MW
IPP Generation	8,508	MW
Total Set On Bus	15,037	MW
Maximum Demand	14,083	MW
Spinning Reserve	1,197	MW
Net Energy	295,602	MWH
Load Factor	87.5	%

**Maximum Demand Record**

Date :	16/04/2013	16,356.0MW
Date :	16/04/2013	338,800.0MWH

**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	11696	11303	10683	10246	10046	9991	9962	10098	10594	12031	13031	13755	13773	13615	13898	14000	13989	13653	12941	12807	13785	13706	13314	12654

**Gas Usage**

Station	(mmscfd)
CBPS	46
GLGR	55
PAKA	98
PGPS	41
SRDG	2
TJGS	107
<b>TNB Total</b>	<b>350</b>
KLPP	108
PGLA	88
PKLG	95
PLPS	106
SGRI	209
SKSP	37
YPGS	69
YPKA	69
<b>IPP Total</b>	<b>782</b>
<b>Total Gas</b>	<b>1,131</b>
<b>Total Gas Required :</b>	<b>1,131</b>
<b>Gas Calorific Value :</b>	<b>38.500</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	48,757.00	16.49 %
Gas	43,844.00	14.83 %
Hydro	12,801.00	4.33 %
<b>Total TNB</b>	<b>105,402.0</b>	<b>35.66 %</b>
ST-Coal	84,094.0	28.45 %
ST-Gas	9,196.0	3.11 %
Gas	89,840.0	30.39 %
<b>Total IPP</b>	<b>183,130.0</b>	<b>61.95 %</b>
Co-Gen	2,012.0	0.68 %
<b>Total Co-Gen</b>	<b>2,012.0</b>	<b>0.68 %</b>
<b>Total Generation</b>	<b>290,544.0</b>	<b>98.29 %</b>
PLTG	-4,448.0	-1.50 %
HVDC	-610.0	-0.21 %
<b>Interconnection</b>	<b>-5,058.0</b>	<b>-1.71 %</b>
<b>Net Energy</b>	<b>295,602.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	339
Hydro	174
Syncon	499
Thermal	48
<b>Total</b>	<b>1060</b>

**Weather Temperature**

Weather	Temperature
Morning	Sunny 25
Afternoon	Hot 35





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	-27	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-28	-28	-28	-30	-31	-28	-29	-28	-28	-30	-30	-30	-30	-28	-30																		
TIE-PLTG	-176	-191	-171	-156	-170	-210	-181	-218	-232	-225	-204	-186	-196	-185	-139	-191	-195	-164	-152	-168	-194	-233	-169	-155	-132	-138	-194	-139	-222	-166	-158	-214	-174	-173	-172	-186	-174	-209	-143	-221	-241	-149	-202	-157	-152	-162	-220	-80		
Interconnection	-146	-161	-141	-183	-200	-240	-210	-247	-261	-254	-233	-215	-225	-214	-168	-220	-224	-193	-182	-198	-223	-262	-198	-184	-161	-167	-224	-167	-252	-196	-187	-243	-202	-201	-200	-216	-205	-237	-172	-249	-269	-179	-232	-187	-182	-192	-248	-110		
<b>System Total</b>	11696	11465	11303	11097	10683	10567	10246	10360	10046	10061	9991	9897	9962	10140	10098	10162	10594	11589	12031	12571	13031	13415	13755	13817	13773	13574	13615	13653	13898	14062	14000	14083	13989	13939	13653	13152	12941	12697	12807	13633	13785	13628	13706	13429	13314	13018	12654	12561		
SRev ST-Coal	12	10	16	14	135	149	299	262	401	392	417	424	421	430	424	427	96	20	8	15	12	13	14	18	19	17	33	18	17	13	17	17	20	12	54	12	16	17	18	12	13	9	7	14	4	13	34	26		
SRev ST-Gas	73	73	72	72	72	72	73	73	72	72	72	73	73	72	72	73	73	72	81	30	31	27	29	27	30	29	29	41	33	24	39	42	39	67	238	276	276	276	234	66	19	33	37	33	47	45	14			
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	
SRev CCGT-Gas	605	841	628	837	951	1098	1208	1095	1283	1258	1364	1399	1356	1232	1163	1314	1274	1350	1107	944	763	623	298	211	240	277	331	319	268	247	276	279	216	182	269	673	717	1005	808	266	311	259	151	330	313	468	815	407		
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 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	731	731	580	731	731	731	580	731	731	731	580	731	731	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	
Hydro	196	159	159	96	93	235	115	91	89	104	255	135	131	206	128	123	215	128	106	97	121	225	188	183	173	140	125	269	152	270	288	199	309	316	143	91	104	89	114	157	201	273	145	305	132	231	199	130		
<b>S.Reserve Total</b>	1511	1708	1500	1750	2032	2134	2426	2252	2576	2557	2688	2761	2712	2521	2518	2667	2389	2196	1918	1762	1551	1366	1152	1066	1084	1089	1143	1260	1103	1097	1118	1197	1246	1174	1158	1639	1738	2012	1841	1143	1065	1034	961	1160	1107	1384	1718	1202		