

**Availability At Daily Maximum Demand Hour**

ST-Coal	2,070 MW
ST-Gas	0 MW
ST-Oil	70 MW
Gas	3,668 MW
Hydro	1,832 MW
Distillate	0 MW
<b>Total TNB</b>	<b>7,640 MW</b>
<b>Total IPP</b>	<b>11,127 MW</b>
<b>Total Co-Gen</b>	<b>74 MW</b>
<b>System Total</b>	<b>18,841 MW</b>

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

At Daily Maximum Demand Hour : 20:00	
TNB Generation	4,234 MW
IPP Generation	9,591 MW
Total Set On Bus	14,782 MW
Maximum Demand	14,180 MW
Spinning Reserve	883 MW
Net Energy	310,574 MWH
Load Factor	91.3 %

**Maximum Demand Record**

Date :	16/04/2013	16,356.0 MW
Date :	16/04/2013	338,800.0 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	13326	12753	12153	11772	11726	11632	11542	11213	11029	12356	13115	13760	13835	13553	13823	13965	14055	13596	13116	13006	14180	14107	13899	13649

**Gas Usage**

Station	(mmscfd)
CBPS	28
GLGR	55
PAKA	48
PGPS	25
SRDG	5
TJGS	107
<b>TNB Total</b>	<b>268</b>
KLPP	101
MPSS	53
PGLA	55
PLPS	96
SGB3	52
SGRI	158
YPGS	68
YPKA	69
<b>IPP Total</b>	<b>653</b>
<b>Total Gas</b>	<b>920</b>

Total Gas Required : 1,037  
Gas Calorific Value : 38.500

**Alternate Fuel Usage**

Station	(mmscfd)
PGPS	14
PKLG	103
<b>Total</b>	<b>116</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	49,019.00	15.78 %
ST-Oil	1,276.00	0.41 %
Gas	34,492.00	11.11 %
Hydro	7,632.00	2.46 %
<b>Total TNB</b>	<b>92,419.0</b>	<b>29.76 %</b>
ST-Coal	116,586.0	37.54 %
ST-Oil	9,936.0	3.20 %
Gas	84,092.0	27.08 %
<b>Total IPP</b>	<b>210,614.0</b>	<b>67.81 %</b>
Co-Gen	1,889.0	0.61 %
<b>Total Co-Gen</b>	<b>1,889.0</b>	<b>0.61 %</b>
<b>Total Generation</b>	<b>304,922.0</b>	<b>98.18 %</b>
PLTG	-4,957.0	-1.60 %
HVDC	-695.0	-0.22 %
<b>Interconnection</b>	<b>-5,652.0</b>	<b>-1.82 %</b>
<b>Net Energy</b>	<b>310,574.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	256
Hydro	103
Syncon	512
Thermal	39
<b>Total</b>	<b>910</b>

**Weather Temperature**

Weather	Temperature
Morning	Sunny 26
Afternoon	Hot 34





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	-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	-187	-194	-130	-136	-217	-135	-179	-155	-214	-132	-230	-111	-258	-184	-70	-125	-194	-22	-161	-11	-198	-312	-226	-234	-266	-260	-244	-306	-225	-266	-241	-215	-235	-239	-229	-248	-196	-223	-308	-226	-252	-260	-208	-266	-181	-161	-246	-204					
Interconnection	-216	-223	-159	-165	-246	-164	-208	-184	-244	-162	-259	-140	-286	-212	-99	-154	-223	-51	-190	-40	-227	-341	-255	-263	-295	-289	-273	-335	-254	-295	-270	-244	-265	-269	-258	-277	-224	-251	-337	-255	-281	-289	-237	-295	-209	-189	-275	-233					
<b>System Total</b>	13326	13001	12753	12398	12153	11801	11772	11580	11726	11473	11632	11318	11542	11332	11213	10914	11029	11563	12356	12827	13115	13654	13760	13922	13835	13649	13553	13750	13823	13934	13965	13847	14055	13810	13596	13343	13116	12936	13006	14003	14180	14160	14107	13964	13899	13634	13649	13517					
SRev ST-Coal	28	22	37	29	46	107	35	31	78	96	75	73	165	168	182	325	317	156	44	41	24	10	23	32	29	21	25	12	23	15	19	29	21	16	33	28	17	20	13	14	20	20	31	35	50	28	21	8					
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	0	0	
SRev ST-Oil	58	59	59	60	59	60	58	59	59	58	58	58	58	59	58	58	58	58	59	13	15	12	10	9	9	51	58	46	12	8	9	9	9	55	59	59	59	59	57	20	10	10	11	12	10	11	9						
SRev CCGT-Gas	315	522	465	701	924	1258	1395	1598	1478	1539	1509	1688	1528	1638	1633	1843	1814	1373	935	653	643	339	220	203	213	311	283	214	230	243	216	365	217	278	325	543	729	859	862	204	195	228	163	231	174	280	308	235					
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	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	0	
Syncon	726	726	726	726	726	575	726	575	575	726	726	726	726	726	726	726	726	726	575	726	726	625	726	575	726	323	474	474	625	726	726	726	726	726	726	726	726	726	726	474	625	625	625	625	726	726	726	726	575				
Hydro	96	103	103	99	107	233	97	248	168	101	95	107	86	102	104	110	98	117	95	188	114	60	79	185	193	211	82	268	196	196	125	81	21	131	126	121	124	149	123	162	23	106	74	100	97	104	83	249					
<b>S.Reserve Total</b>	1223	1432	1390	1615	1862	2233	2311	2511	2358	2521	2463	2657	2563	2693	2703	3062	3013	2430	1858	1516	1520	1150	1060	1055	1170	1152	1167	875	969	1060	998	1216	999	1201	1265	1477	1655	1813	1783	911	883	989	902	1103	1109	1178	1149	1076					