

**Availability At Daily Maximum Demand Hour**

ST-Coal	2,070	MW
ST-Gas	0	MW
ST-Oil	140	MW
Gas	3,441	MW
Hydro	1,813	MW
Distillate	0	MW
<b>Total TNB</b>	<b>7,464</b>	<b>MW</b>
<b>Total IPP</b>	<b>9,839</b>	<b>MW</b>
<b>Total Co-Gen</b>	<b>56</b>	<b>MW</b>
<b>System Total</b>	<b>17,359</b>	<b>MW</b>

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

At Daily Maximum Demand Hour : 20:00	
TNB Generation	5,376 MW
IPP Generation	7,455 MW
Total Set On Bus	13,718 MW
Maximum Demand	12,869 MW
Spinning Reserve	831 MW
Net Energy	268,011 MWH
Load Factor	86.8 %

**Maximum Demand Record**

Date :	20/06/2012	15,826.0 MW
Date :	20/06/2012	328,716.0 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	11901	11219	10836	10471	10187	10072	10134	9984	9371	9779	10451	11231	11272	11285	11606	11646	11644	11378	11217	11491	12869	12831	12703	12629

**Gas Usage**

Station	(mmscfd)
CBPS	30
GLGR	57
PAKA	67
PGPS	53
SRDG	12
TJGS	107
<b>TNB Total</b>	<b>326</b>
KLPP	69
PGLA	119
PKLG	0
PLPS	115
SGB3	77
SGRI	34
SKSP	54
YPGS	29
YPKA	90
<b>IPP Total</b>	<b>587</b>
<b>Total Gas</b>	<b>913</b>
<b>Total Gas Required :</b>	<b>913</b>
<b>Gas Calorific Value :</b>	<b>38,500</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	48,201.00	17.98 %
Gas	41,685.00	15.55 %
Hydro	10,673.00	3.98 %
<b>Total TNB</b>	<b>100,559.0</b>	<b>37.52 %</b>
ST-Coal	89,193.0	33.28 %
ST-Gas	24.0	0.01 %
Gas	77,417.0	28.89 %
<b>Total IPP</b>	<b>166,634.0</b>	<b>62.17 %</b>
Co-Gen	1,579.0	0.59 %
<b>Total Co-Gen</b>	<b>1,579.0</b>	<b>0.59 %</b>
<b>Total Generation</b>	<b>268,772.0</b>	<b>100.28 %</b>
PLTG	36.0	0.01 %
HVDC	725.0	0.27 %
<b>Interconnection</b>	<b>761.0</b>	<b>0.28 %</b>
<b>Net Energy</b>	<b>268,011.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	201
Hydro	181
Syncon	412
Thermal	1
<b>Total</b>	<b>795</b>

**Weather Temperature**

Weather	Temperature
Morning	Sunny 28
Afternoon	Hot 32





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																															
SRev ST-Coal		-4	-17	-8	4	-9	163	161	286	321	433	447	434	440	444	442	520	524	524	500	430	299	102	-5	24	-6	-5	-22	-1	1	-19	-10	-9	-10	-11	-14	-17	-4	-5	-10	-20	9	10	15	45	-1	31	-5	-6							
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	5	12		
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	0	0	0	0	0	0
SRev CCGT-Gas		266	611	470	643	756	757	867	964	996	969	1040	1024	957	992	1050	1344	1513	1206	1171	772	707	414	476	224	315	239	322	227	184	265	186	206	198	257	328	161	443	560	254	153	190	194	187	196	213	196	281	200							
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	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	0	0	0
Syncon		640	726	726	726	726	726	575	726	726	575	726	726	726	726	726	726	726	425	575	575	726	726	726	575	575	575	726	575	575	726	575	575	726	726	726	726	323	172	323	323	323	323	474	474	625										
Hydro		160	119	100	101	109	82	106	199	102	82	225	105	96	103	246	135	100	112	110	118	115	123	229	228	258	109	152	139	179	188	184	115	143	191	140	113	116	120	168	212	221	215	203	214	238	102	108	136							
S.Reserve Total		1062	1439	1288	1474	1582	1733	1860	2024	2145	2210	2287	2289	2219	2265	2313	2725	2863	2568	2507	2046	1847	1365	1125	1051	1142	1069	1178	1091	939	1009	935	1038	906	1012	1180	983	1281	1401	1138	791	831	877	860	891	952	888	961	1052							