

**Availability At Daily Maximum Demand Hour**

ST-Coal	2,070	MW
ST-Gas	0	MW
ST-Oil	140	MW
Gas	2,941	MW
Hydro	1,833	MW
Distillate	0	MW
<b>Total TNB</b>	<b>6,984</b>	<b>MW</b>
<b>Total IPP</b>	<b>10,585</b>	<b>MW</b>
<b>Total Co-Gen</b>	<b>90</b>	<b>MW</b>
<b>System Total</b>	<b>17,659</b>	<b>MW</b>

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

At Daily Maximum Demand Hour : 14:30		
TNB Generation	5,248	MW
IPP Generation	9,190	MW
Total Set On Bus	15,441	MW
Maximum Demand	14,472	MW
Spinning Reserve	913	MW
Net Energy	303,786	MWH
Load Factor	87.5	%

**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	11944	11280	11092	10691	10555	10335	10449	10781	11198	12772	13538	14241	14163	13790	14204	14403	14379	14113	13164	13028	13879	13577	13081	12601

**Gas Usage**

Station	(mmscfd)
CBPS	48
GLGR	58
PAKA	72
PGGS	6
PGPS	49
SRDG	7
TJGS	103
<b>TNB Total</b>	<b>343</b>
KLPP	74
MPSS	54
PGLA	90
PLPS	112
SGB3	88
SGRI	72
SKSP	54
YPGS	35
YPKA	138
<b>IPP Total</b>	<b>718</b>
<b>Total Gas</b>	<b>1,061</b>

**Alternate Fuel Usage**

Station	(mmscfd)
PKLG	55
<b>Total</b>	<b>55</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	49,059.00	16.15 %
Gas	43,613.00	14.36 %
Hydro	11,534.00	3.80 %
<b>Total TNB</b>	<b>104,206.0</b>	<b>34.30 %</b>
ST-Coal	99,762.0	32.84 %
ST-Oil	5,320.0	1.75 %
Gas	93,303.0	30.71 %
<b>Total IPP</b>	<b>198,385.0</b>	<b>65.30 %</b>
Co-Gen	2,337.0	0.77 %
<b>Total Co-Gen</b>	<b>2,337.0</b>	<b>0.77 %</b>
<b>Total Generation</b>	<b>304,928.0</b>	<b>100.38 %</b>
PLTG	419.0	0.14 %
HVDC	723.0	0.24 %
<b>Interconnection</b>	<b>1,142.0</b>	<b>0.38 %</b>
<b>Net Energy</b>	<b>303,786.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	281
Hydro	162
Syncon	421
Thermal	23
<b>Total</b>	<b>888</b>

Total Gas Required : 1,116  
Gas Calorific Value : 38.500

**Weather Temperature**

Weather	Temperature
Morning	Sunny 27
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																											
TIE-HVDC	30	31	31	30	30	30	30	30	30	30	30	30	30	30	30	30	30	31	31	30	30	30	30	30	31																										
TIE-PLTG	11	-33	-2	-8	-4	-25	-1	94	-29	102	-58	-137	-70	133	-12	28	95	12	83	63	19	-58	-13	14	89																										
Interconnection	41	-2	29	22	26	5	29	124	1	132	-28	-107	-40	163	18	58	125	42	115	93	49	-27	18	44	119																										
<b>System Total</b>	<b>11944</b>	<b>11728</b>	<b>11280</b>	<b>11223</b>	<b>11092</b>	<b>10780</b>	<b>10691</b>	<b>10318</b>	<b>10555</b>	<b>10271</b>	<b>10335</b>	<b>10527</b>	<b>10449</b>	<b>10823</b>	<b>10781</b>	<b>10765</b>	<b>11198</b>	<b>12273</b>	<b>12772</b>	<b>13337</b>	<b>13538</b>	<b>13893</b>	<b>14241</b>	<b>14364</b>	<b>14163</b>	<b>13814</b>	<b>13790</b>	<b>13942</b>	<b>14204</b>	<b>14472</b>	<b>14403</b>	<b>14376</b>	<b>14379</b>	<b>14402</b>	<b>14113</b>	<b>13640</b>	<b>13164</b>	<b>12928</b>	<b>13028</b>	<b>13716</b>	<b>13879</b>	<b>13688</b>	<b>13577</b>	<b>13407</b>	<b>13081</b>	<b>12952</b>	<b>12601</b>	<b>12354</b>			
SRev ST-Coal	6	3	13	5	7	163	165	336	310	374	541	546	553	270	268	265	48	14	-8	8	4	-2	20	85	11	39	57	14	8	8	16	53	36	50	31	35	51	40	51	33	61	63	58	62	49	55	58	52			
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
SRev ST-Oil	28	29	28	28	28	28	28	28	29	29	28	28	28	28	28	4	-5	-5	-5	-5	-8	-8	-8	-8	-8	-7	-7	-7	-7	-7	-8	-8	-2	-8	-8	-8	-8	-8	-8	-8	-8	-8	4	29	29	28					
SRev CCGT-Gas	709	910	1308	1396	1489	1673	1756	1847	1802	1852	1790	1726	1675	1536	1762	1828	1684	888	786	575	639	389	252	179	210	323	342	262	219	257	362	290	255	220	241	289	373	349	380	107	118	185	109	198	217	193	262	502			
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 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	726	726	726	726	726	726	726	726	726	575	726	575	726	424	424	273	273	575	424	424	424	424	424	424	424	424	424	424	424	424	424	424	424	424	424	424	424	424	424	424	424	424	424	424	424	424	424	424	424	424	
Hydro	106	94	106	94	123	115	98	113	62	260	52	143	56	202	166	229	235	232	222	194	226	124	145	226	322	292	286	244	286	152	151	151	141	137	103	239	110	111	99	136	62	77	147	245	117	110	111	106			
<b>S.Reserve Total</b>	<b>1575</b>	<b>1762</b>	<b>2181</b>	<b>2249</b>	<b>2373</b>	<b>2705</b>	<b>2773</b>	<b>3050</b>	<b>2928</b>	<b>3090</b>	<b>3138</b>	<b>3018</b>	<b>3038</b>	<b>2460</b>	<b>2648</b>	<b>2623</b>	<b>2268</b>	<b>1737</b>	<b>1428</b>	<b>1196</b>	<b>1288</b>	<b>930</b>	<b>894</b>	<b>914</b>	<b>967</b>	<b>1229</b>	<b>1260</b>	<b>1095</b>	<b>1092</b>	<b>913</b>	<b>959</b>	<b>990</b>	<b>920</b>	<b>979</b>	<b>970</b>	<b>1215</b>	<b>1337</b>	<b>1309</b>	<b>1333</b>	<b>928</b>	<b>742</b>	<b>977</b>	<b>1032</b>	<b>1223</b>	<b>1113</b>	<b>1113</b>	<b>1186</b>	<b>1414</b>			