

**Availability At Daily Maximum Demand Hour**

ST-Coal	2,070	MW
ST-Gas	0	MW
ST-Oil	140	MW
Gas	3,556	MW
Hydro	1,833	MW
Distillate	0	MW
<b>Total TNB</b>	<b>7,599</b>	<b>MW</b>
<b>Total IPP</b>	<b>10,362</b>	<b>MW</b>
<b>Total Co-Gen</b>	<b>55</b>	<b>MW</b>
<b>System Total</b>	<b>18,296</b>	<b>MW</b>

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

At Daily Maximum Demand Hour : 14:30		
TNB Generation	5,644	MW
IPP Generation	8,935	MW
Total Set On Bus	15,584	MW
Maximum Demand	14,733	MW
Spinning Reserve	950	MW
Net Energy	303,949	MWH
Load Factor	86.0	%

**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	11965	11323	10829	10487	10178	10080	10360	10473	11140	12740	13619	14344	14305	13988	14386	14653	14711	14356	13246	13143	13826	13595	13073	12606

**Gas Usage**

Station	(mmscfd)
CBPS	58
GLGR	60
PAKA	82
PGPS	53
SRDG	22
TJGS	163
<b>TNB Total</b>	<b>437</b>
KLPP	74
MPSS	54
PDPS	5
PGLA	95
PKLG	5
PLPS	115
SGB3	82
SGRI	76
SKSP	58
YPKA	138
<b>IPP Total</b>	<b>701</b>
<b>Total Gas</b>	<b>1,138</b>
<b>Total Gas Required :</b>	<b>1,138</b>
<b>Gas Calorific Value :</b>	<b>38,500</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	48,010.00	15.80 %
Gas	56,212.00	18.49 %
Hydro	11,289.00	3.71 %
<b>Total TNB</b>	<b>115,511.0</b>	<b>38.00 %</b>
ST-Coal	95,766.0	31.51 %
Gas	90,676.0	29.83 %
<b>Total IPP</b>	<b>186,442.0</b>	<b>61.34 %</b>
Co-Gen	1,503.0	0.49 %
<b>Total Co-Gen</b>	<b>1,503.0</b>	<b>0.49 %</b>
<b>Total Generation</b>	<b>303,456.0</b>	<b>99.84 %</b>
PLTG	205.0	0.07 %
HVDC	-698.0	-0.23 %
<b>Interconnection</b>	<b>-493.0</b>	<b>-0.16 %</b>
<b>Net Energy</b>	<b>303,949.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	375
Hydro	167
Syncon	359
Thermal	20
<b>Total</b>	<b>921</b>

**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	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29																											
TIE-PLTG	55	88	62	53	39	78	-50	40	113	-65	75	-22	-115	-34	64	-11	38	22	54	1	-26	8	-7	103	48	77	87	8	-36	-70	6	52	-40	-23	3	79	9	46	-40	-74	65	54	-28	43	32	-79	35	-104			
Interconnection	26	59	33	24	10	49	-79	11	84	-94	46	-51	-144	-63	35	-40	9	-7	24	-29	-55	-21	-37	73	18	47	58	-21	-65	-99	-24	23	-69	-52	-26	50	-20	17	-69	-103	36	5	-57	14	3	-107	7	-133			
<b>System Total</b>	<b>11965</b>	<b>11517</b>	<b>11323</b>	<b>11044</b>	<b>10829</b>	<b>10616</b>	<b>10487</b>	<b>10377</b>	<b>10178</b>	<b>10279</b>	<b>10080</b>	<b>10185</b>	<b>10360</b>	<b>10483</b>	<b>10473</b>	<b>10584</b>	<b>11140</b>	<b>12046</b>	<b>12740</b>	<b>13280</b>	<b>13619</b>	<b>14085</b>	<b>14344</b>	<b>14373</b>	<b>14305</b>	<b>14067</b>	<b>13988</b>	<b>14298</b>	<b>14386</b>	<b>14733</b>	<b>14653</b>	<b>14529</b>	<b>14711</b>	<b>14625</b>	<b>14356</b>	<b>13864</b>	<b>13246</b>	<b>12959</b>	<b>13143</b>	<b>13911</b>	<b>13826</b>	<b>13798</b>	<b>13595</b>	<b>13349</b>	<b>13073</b>	<b>12955</b>	<b>12606</b>	<b>12397</b>			
SRev ST-Coal	15	142	269	268	403	546	717	712	728	739	745	741	745	708	716	720	309	92	21	7	21	10	22	22	31	22	26	21	18	25	16	22	24	12	12	6	-15	15	8	78	74	39	19	27	17	18	8	-3			
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	
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
SRev CCGT-Gas	848	1032	1033	1234	1329	1326	1317	1347	1424	1482	1506	1534	1460	1356	1215	1177	1121	1137	832	363	392	240	400	275	370	494	592	416	477	221	240	301	221	218	412	386	523	623	557	191	208	297	314	417	329	330	473	434			
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	
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	575	575	575	575	726	726	726	726	726	575	726	575	726	726	726	726	726	424	273	273	273	273	575	575	575	424	273	273	273	273	273	273	273	273	273	575	726	726	575	424	424	575	575	726	726	726	726		
Hydro	105	107	140	217	222	251	90	90	118	86	91	220	75	207	99	99	98	106	102	98	165	108	197	303	115	214	185	263	316	256	243	246	241	249	280	285	235	157	249	75	166	172	140	101	171	81	104	85			
<b>S.Reserve Total</b>	<b>1694</b>	<b>2007</b>	<b>2017</b>	<b>2294</b>	<b>2529</b>	<b>2698</b>	<b>2850</b>	<b>2875</b>	<b>2996</b>	<b>3033</b>	<b>3068</b>	<b>3070</b>	<b>3006</b>	<b>2846</b>	<b>2756</b>	<b>2722</b>	<b>2254</b>	<b>2061</b>	<b>1681</b>	<b>1194</b>	<b>1002</b>	<b>803</b>	<b>942</b>	<b>953</b>	<b>1283</b>	<b>1488</b>	<b>1560</b>	<b>1309</b>	<b>1263</b>	<b>950</b>	<b>953</b>	<b>1029</b>	<b>940</b>	<b>896</b>	<b>1165</b>	<b>950</b>	<b>1318</b>	<b>1521</b>	<b>1540</b>	<b>919</b>	<b>872</b>	<b>932</b>	<b>1048</b>	<b>1120</b>	<b>1243</b>	<b>1155</b>	<b>1311</b>	<b>1243</b>			