

**Availability At Daily Maximum Demand Hour**

ST-Coal	1,380	MW
ST-Gas	0	MW
ST-Oil	70	MW
Gas	4,386	MW
Hydro	1,779	MW
Distillate	0	MW
<b>Total TNB</b>	<b>7,615</b>	<b>MW</b>
<b>Total IPP</b>	<b>11,397</b>	<b>MW</b>
<b>Total Co-Gen</b>	<b>49</b>	<b>MW</b>
<b>System Total</b>	<b>19,061</b>	<b>MW</b>

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

At Daily Maximum Demand Hour : 14:30

TNB Generation	5,105	MW
IPP Generation	9,796	MW
Total Set On Bus	15,744	MW
Maximum Demand	14,940	MW
Spinning Reserve	794	MW
Net Energy	305,479	MWH
Load Factor	85.2	%

**Maximum Demand Record**

<b>Date :</b>	20/06/2012	15,826.0 MW
<b>Date :</b>	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	11593	11314	10764	10323	10159	10044	10416	10562	11109	13007	13871	14533	14405	14127	14595	14874	14863	14531	13376	13163	13986	13972	13468	12874

**Gas Usage**

Station	(mmscfd)
CBPS	45
GLGR	56
PAKA	44
PGPS	41
SRDG	18
TJGS	220
<b>TNB Total</b>	<b>424</b>
KLPP	106
MPSS	54
PGLA	35
PLPS	104
SGB3	83
SGRI	99
SKSP	52
YPKA	69
<b>IPP Total</b>	<b>601</b>
<b>Total Gas</b>	<b>1,025</b>

**Alternate Fuel Usage**

Station	(mmscfd)
PGPS	6
PKLG	112
<b>Total</b>	<b>118</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	32,893.00	10.77 %
ST-Oil	563.00	0.18 %
Gas	56,300.00	18.43 %
Hydro	11,112.00	3.64 %
<b>Total TNB</b>	<b>100,868.0</b>	<b>33.02 %</b>
ST-Coal	116,471.0	38.13 %
ST-Oil	10,883.0	3.56 %
Gas	76,563.0	25.06 %
<b>Total IPP</b>	<b>203,917.0</b>	<b>66.75 %</b>
Co-Gen	1,373.0	0.45 %
<b>Total Co-Gen</b>	<b>1,373.0</b>	<b>0.45 %</b>
<b>Total Generation</b>	<b>306,158.0</b>	<b>100.22 %</b>
PLTG	38.0	0.01 %
HVDC	641.0	0.21 %
<b>Interconnection</b>	<b>679.0</b>	<b>0.22 %</b>
<b>Net Energy</b>	<b>305,479.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	318
Hydro	118
Syncon	512
Thermal	51
<b>Total</b>	<b>1000</b>

**Weather**
**Temperature**

Morning	Sunny	28
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																												
<b>Total Co-Gen</b>	57	59	58	57	56	58	55	55	56	57	57	57	56	56	54	57	57	54	55	52	49	49	49	49	50	45	49	50	50	49	44	44	44	46	46	46	47	49	48	49	47	49	50	50	51	50	50	50				
<b>Total Gen</b>	11594	11204	11143	10873	10770	10527	10454	10393	10211	10114	10183	10148	10444	10525	10712	10545	11144	12252	13080	13514	13866	14217	14556	14509	14525	14264	14182	14285	14605	14950	14940	14884	14884	14770	14545	13940	13444	13180	13173	13728	14024	13912	13969	13709	13449	13378	12919	12682				
TIE-EGAT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
TIE-HVDC	-29	-29	-29	31	31	30	30	29	29	30	30	31	31	30	30	30	30	30	30	30	30	31	31	31	31	31	31	31	31	30	30	31	31	31	31	31	31	31	31	30	30	30	30	30	31	31	31	30	30	30	31	
TIE-PLTG	30	-79	-142	120	-25	-96	101	75	23	21	109	-21	-3	28	120	-75	5	-25	43	53	-35	-7	-8	-62	89	15	24	-118	-21	-20	36	-25	-10	-37	-17	22	37	-21	-20	-5	8	-53	-34	63	-49	-73	15	-35				
Interconnection	1	-108	-171	151	6	-66	131	104	52	51	139	10	28	58	150	-45	35	5	73	83	-5	24	23	-31	120	46	55	-87	10	10	66	6	21	-6	14	53	68	9	10	25	38	-22	-3	93	-19	-43	45	-4				
<b>System Total</b>	11593	11312	11314	10722	10764	10593	10323	10289	10159	10063	10044	10138	10416	10467	10562	10590	11109	12247	13007	13431	13871	14193	14533	14540	14405	14218	14127	14372	14595	14940	14874	14878	14863	14776	14531	13887	13376	13171	13163	13703	13986	13934	13972	13616	13468	13421	12874	12686				
SRev ST-Coal	42	23	10	56	43	69	121	89	220	192	207	198	203	191	232	201	50	33	42	64	41	55	60	54	68	68	55	52	44	57	63	60	54	52	48	63	54	52	82	66	58	66	50	66	60	68	57	61				
SRev ST-Oil	57	57	56	56	57	57	57	57	56	56	59	58	57	56	56	56	56	17	-1	17	3	6	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3		
SRev CCGT-Gas	529	579	414	628	745	867	873	998	1120	1249	1438	1622	1329	1296	1024	1326	1541	1487	1133	722	451	274	140	200	244	154	247	160	167	174	284	193	161	154	334	325	365	572	575	369	381	360	336	430	411	469	823	570				
SRev OCGT-Gas	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	10	10	11	10	10	94	22	28	27	60	54	141	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	726	726	726	424	726	726	726	625	625	625	726	575	625	625	625	726	726	726	625	474	474	625	625	625	474	726	726	726	726	625	625	625	625	625	625	625	625	625	625	625			
Hydro	87	13	14	21	14	13	15	23	24	21	24	25	19	286	26	15	81	153	110	233	136	196	65	187	274	61	70	58	66	64	77	77	81	82	207	77	119	139	135	74	78	105	91	171	96	100	167	93				
<b>S.Reserve Total</b>	1441	1398	1220	1487	1585	1732	1792	1893	2146	2244	2454	2629	2334	2253	2064	2324	2454	2315	1909	1661	1357	1106	902	1079	1224	1023	1111	1009	999	794	929	985	984	970	1195	1243	1319	1545	1574	1190	1146	1160	1104	1294	1195	1265	1674	1351				