

**Availability At Daily Maximum Demand Hour**

ST-Coal	1,980	MW
ST-Gas	145	MW
ST-Oil	0	MW
Gas	3,316	MW
Hydro	1,718	MW
Distillate	700	MW
<b>Total TNB</b>	<b>7,859</b>	<b>MW</b>
<b>Total IPP</b>	<b>12,202</b>	<b>MW</b>
<b>Total Co-Gen</b>	<b>88</b>	<b>MW</b>
<b>System Total</b>	<b>20,149</b>	<b>MW</b>

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

At Daily Maximum Demand Hour : 16:00		
TNB Generation	5,510	MW
IPP Generation	9,914	MW
Total Set On Bus	16,268	MW
Maximum Demand	15,546	MW
Spinning Reserve	756	MW
Net Energy	315,411	MWH
Load Factor	84.5	%

**Maximum Demand Record**

Date :	16/05/2012	15,723.0 MW
Date :	16/05/2012	325,227.0 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	11963	11437	11014	10558	10402	10261	10268	10521	11226	13090	14180	14805	15045	14628	15074	15436	15546	15193	13941	13548	14488	14372	13914	13406

**Gas Usage**

Station	(mmscfd)
GLGR	42
PGPS	41
SRDG	12
TJGS	122
<b>TNB Total</b>	<b>218</b>
KLPP	88
MPSS	56
PGLA	93
PLPS	92
SGB3	77
SGRI	56
SKSP	54
YPGS	34
YPKA	122
<b>IPP Total</b>	<b>671</b>
<b>Total Gas</b>	<b>888</b>

Total Gas Required : 1,078  
Gas Calorific Value : 38.500

**Alternate Fuel Usage**

Station	(mmscfd)
PKLG	135
TJGS	55
<b>Total</b>	<b>190</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	47,065.00	14.92 %
Gas	27,343.00	8.67 %
Hydro	18,986.00	6.02 %
Distillate	8,158.00	2.59 %
<b>Total TNB</b>	<b>101,552.0</b>	<b>32.20 %</b>
ST-Coal	110,569.0	35.06 %
ST-Gas	24.0	0.01 %
ST-Oil	13,159.0	4.17 %
Gas	87,419.0	27.72 %
Distillate	79.0	0.03 %
<b>Total IPP</b>	<b>211,250.0</b>	<b>66.98 %</b>
Co-Gen	2,131.0	0.68 %
<b>Total Co-Gen</b>	<b>2,131.0</b>	<b>0.68 %</b>
<b>Total Generation</b>	<b>314,933.0</b>	<b>99.85 %</b>
PLTG	135.0	0.04 %
HVDC	-613.0	-0.19 %
<b>Interconnection</b>	<b>-478.0</b>	<b>-0.15 %</b>
<b>Net Energy</b>	<b>315,411.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	354
Hydro	182
Syncon	316
Thermal	57
<b>Total</b>	<b>908</b>

**Weather Temperature**

Weather	Temperature
Morning	Sunny 26
Afternoon	Hot 36





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 Gen</b>		12065	11745	11442	11082	10969	10742	10526	10502	10329	10176	10167	10147	10249	10325	10453	10688	11231	12391	13108	13780	14164	14365	14807	14921	15006	14651	14661	14863	15129	15432	15397	15378	15512	15354	15191	14558	13948	13626	13542	14327	14457	14460	14321	14108	13862	13696	13364	13268				
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	0	0	0
TIE-HVDC		31	29	29	-30	-30	-30	-30	-28	-28	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-30	-30	-29	-29	-30	-30	-28	-28	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-28	-28	-29	-30	-30		
TIE-PLTG		72	26	-24	-98	-15	14	-2	14	-45	123	-64	72	8	29	-39	-51	34	-23	47	6	14	0	31	39	-9	18	62	-74	85	38	-9	61	-6	-28	27	15	36	6	23	28	-2	-46	-22	18	-24	30	-12	-45				
Interconnection		103	55	5	-128	-45	-16	-32	-14	-73	93	-94	43	-21	0	-68	-80	5	-52	18	-24	-16	-29	2	9	-39	-11	33	-104	55	8	-39	33	-34	-57	-2	-14	7	-23	-6	-1	-31	-75	-51	-10	-52	1	-42	-75				
<b>System Total</b>		11962	11690	11437	11210	11014	10758	10558	10516	10402	10083	10261	10104	10270	10325	10521	10768	11226	12443	13090	13804	14180	14394	14805	14987	15045	14662	14628	14967	15074	15424	15436	15345	15546	15411	15193	14572	13941	13649	13548	14328	14488	14535	14372	14118	13914	13695	13406	13343				
SRev ST-Coal		45	65	58	30	38	75	202	184	349	313	408	412	442	446	435	313	53	50	65	60	67	57	57	56	61	71	59	65	68	67	67	72	71	70	67	65	64	66	61	65	68	76	74	63	61	59	58	50				
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		-1	-1	-2	-2	0	0	1	1	2	2	2	2	1	1	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0	0	-1	-1	0	0	10	4	-6	6	4	6	-9	-11	0	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1		
SRev CCGT-Gas		573	417	584	876	998	1052	1134	1153	1215	1247	1360	1340	1291	1297	1155	1331	1539	868	723	503	533	496	293	248	402	485	526	276	189	210	236	229	283	297	317	579	791	1043	1070	446	383	374	391	536	585	356	641	156				
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	100	3	4	6	6	7	7	7	8	8	7	10	49	84	125	89	24	25	26	136	7	8	7	7	7	6	6	5	6	82	82	80					
SRev Distillate		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-7	-6	74	-6	-3	73	-7	-5	-4	-8	-4	-8	-10	-10	-10	-11	-11	-12	-12	-12	-15		
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		
Syncon		302	453	302	302	453	453	453	539	539	625	625	625	474	625	625	539	388	453	453	453	453	453	302	302	453	453	604	302	302	302	302	151	302	302	453	453	453	453	453	453	453	453	302	453	453	453	453	302				
Hydro		119	228	245	201	80	227	193	219	95	250	175	207	198	261	137	115	324	297	235	338	347	300	209	217	46	162	124	19	226	20	87	123	160	182	266	116	337	278	349	183	114	113	388	321	302	103	151	304				
<b>S.Reserve Total</b>		1038	1162	1187	1407	1569	1807	1983	2010	2200	2351	2570	2586	2557	2479	2351	2433	2554	1605	1479	1359	1405	1312	1019	830	819	1179	1168	966	828	757	821	816	756	875	977	1351	1635	1833	1932	1144	1014	1011	1149	1366	1394	1090	1372	876				