

**Availability At Daily Maximum Demand Hour**

ST-Coal	1,980	MW
ST-Gas	145	MW
ST-Oil	0	MW
Gas	3,551	MW
Hydro	1,788	MW
Distillate	700	MW
<b>Total TNB</b>	<b>8,164</b>	<b>MW</b>
<b>Total IPP</b>	<b>12,272</b>	<b>MW</b>
<b>Total Co-Gen</b>	<b>83</b>	<b>MW</b>
<b>System Total</b>	<b>20,519</b>	<b>MW</b>

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

At Daily Maximum Demand Hour : 15:30		
TNB Generation	5,160	MW
IPP Generation	9,960	MW
Total Set On Bus	16,075	MW
Maximum Demand	15,336	MW
Spinning Reserve	872	MW
Net Energy	321,517	MWH
Load Factor	87.4	%

**Maximum Demand Record**

<b>Date :</b>	16/05/2012	15,723.0 MW
<b>Date :</b>	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	12758	12219	11788	11411	11095	11037	10983	11050	11668	13499	14161	14866	14816	14529	15059	15221	15292	14959	13867	13659	14671	14376	13656	13601

**Gas Usage**

Station	(mmscfd)
GLGR	42
PGPS	50
SRDG	3
TJGS	132
<b>TNB Total</b>	<b>228</b>
KLPP	90
MPSS	56
PGLA	92
PLPS	87
SGB3	77
SGRI	64
SKSP	52
YPGS	34
YPKA	131

<b>IPP Total</b>	<b>683</b>
<b>Total Gas</b>	<b>911</b>

Total Gas Required :	1,100
Gas Calorific Value :	38,500

**Alternate Fuel Usage**

Station	(mmscfd)
PKLG	132
TJGS	57
<b>Total</b>	<b>189</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	47,469.00	14.76 %
Gas	29,284.00	9.11 %
Hydro	19,106.00	5.94 %
Distillate	7,987.00	2.48 %
<b>Total TNB</b>	<b>103,846.0</b>	<b>32.30 %</b>
ST-Coal	112,364.0	34.95 %
ST-Oil	13,024.0	4.05 %
Gas	89,159.0	27.73 %
<b>Total IPP</b>	<b>214,547.0</b>	<b>66.73 %</b>
Co-Gen	2,205.0	0.69 %
<b>Total Co-Gen</b>	<b>2,205.0</b>	<b>0.69 %</b>
<b>Total Generation</b>	<b>320,598.0</b>	<b>99.71 %</b>
PLTG	-220.0	-0.07 %
HVDC	-699.0	-0.22 %
<b>Interconnection</b>	<b>-919.0</b>	<b>-0.29 %</b>
<b>Net Energy</b>	<b>321,517.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	281
Hydro	159
Syncon	377
Thermal	72
<b>Total</b>	<b>889</b>

**Weather Temperature**

Weather	Temperature
Morning	Sunny 27
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																										
TIE-HVDC		-30	-29	-29	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-28	-28	-30	-30	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29													
TIE-PLTG		8	15	-43	63	-66	-28	-113	-14	-19	6	-39	-38	-35	-78	15	-13	-28	-3	-36	25	68	-40	-32	-44	-10	16	-13	26	-84	-90	-88	-104	9	-19	32	-26	-11	5	-48	-50	-46	-17	63	28	190	30	-10	2		
Interconnection		-22	-14	-72	33	-96	-57	-142	-43	-48	-23	-68	-67	-64	-107	-14	-42	-57	-32	-65	-4	39	-69	-61	-72	-38	-14	-43	-3	-113	-119	-117	-133	-20	-49	2	-55	-40	-24	-77	-80	-76	-46	34	-1	161	1	-39	-27		
<b>System Total</b>		12758	12435	12219	11960	11788	11530	11411	11223	11095	10934	11037	10840	10983	11271	11050	11285	11667	12686	13499	13875	14161	14650	14866	14919	14816	14638	14529	14777	15059	15320	15221	15336	15292	15274	14959	14450	13867	13550	13659	14249	14671	14600	14376	14281	13656	13644	13601	13220		
SRev ST-Coal		60	53	70	67	61	68	74	68	63	118	82	164	231	111	107	55	75	74	70	67	76	57	77	65	64	66	105	106	149	105	118	118	124	124	88	69	65	65	70	69	60	64	59	59	75	63	56	54		
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		2	2	27	19	2	2	2	46	54	54	53	53	5	2	8	2	2	1	1	2	1	1	1	2	2	3	3	1	1	2	3	8	12	10	10	10	10	10	10	3	3	2	2	2	2	2	1	1	1	
SRev CCGT-Gas		462	697	471	655	1020	1047	1212	1257	1279	1282	1284	1313	1307	1260	1293	1280	1086	822	818	604	476	336	147	167	197	222	475	184	128	192	241	255	255	248	324	479	702	996	991	488	229	241	308	298	558	546	619	652		
SRev OCGT-Gas		76	0	0	0	0	0	0	0	0	0	0	0	0	0	30	13	0	2	1	1	4	4	6	6	8	8	8	9	9	39	35	14	13	13	10	9	7	10	6	8	6	5	5	4	5	4	2			
SRev Distillate		-14	50	387	236	261	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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
Syncon		453	453	453	453	453	302	388	539	539	539	539	539	388	539	539	539	388	539	539	302	302	453	539	539	539	453	453	539	539	388	539	453	453	302	302	403	453	554	453	453	453	302	453	453	453	453	453	453	453	
Hydro		262	252	105	235	51	268	366	162	118	190	173	255	48	174	122	58	81	218	299	348	310	90	217	281	319	458	243	370	143	-15	117	10	98	130	207	262	90	201	143	71	261	141	71	160	220	66	87	108		
<b>S.Reserve Total</b>		1301	1507	1513	1665	1848	1838	1956	1921	2053	2183	2131	2324	2178	1938	2063	1970	1710	1418	1492	1474	1404	1027	985	973	1041	1295	1373	1059	966	744	969	872	798	827	1042	1280	1428	1730	1675	1088	861	905	896	1025	1360	1132	1218	1268		