

**Availability At Daily Maximum Demand Hour**

ST-Coal	1,380	MW
ST-Gas	0	MW
ST-Oil	140	MW
Gas	3,201	MW
Hydro	1,833	MW
Distillate	835	MW
<b>Total TNB</b>	<b>7,389</b>	<b>MW</b>
<b>Total IPP</b>	<b>11,214</b>	<b>MW</b>
<b>Total Co-Gen</b>	<b>35</b>	<b>MW</b>
<b>System Total</b>	<b>18,638</b>	<b>MW</b>

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

At Daily Maximum Demand Hour : 14:30		
TNB Generation	5,320	MW
IPP Generation	9,663	MW
Total Set On Bus	16,081	MW
Maximum Demand	15,075	MW
Spinning Reserve	1,063	MW
Net Energy	309,856	MWH
Load Factor	85.6	%

**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	12146	11531	11064	10770	10511	10391	10456	10453	11340	13042	13848	14669	14643	14406	14685	14928	14929	14469	13530	13633	14020	13813	13143	12591

**Gas Usage**

Station	(mmscfd)
CBPS	49
GLGR	58
PAKA	113
SRDG	9
TJGS	105
<b>TNB Total</b>	<b>334</b>
KLPP	91
MPSS	55
PGLA	109
PLPS	96
SGB3	66
SGRI	136
SKSP	52
YPGS	34
YPKA	105
<b>IPP Total</b>	<b>745</b>
<b>Total Gas</b>	<b>1,079</b>

Total Gas Required : 1,288  
Gas Calorific Value : 38.500

**Alternate Fuel Usage**

Station	(mmscfd)
PGPS	27
PKLG	68
SRDG	3
TJGS	112
<b>Total</b>	<b>210</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	32,365.00	10.45 %
Gas	42,321.00	13.66 %
Hydro	10,087.00	3.26 %
Distillate	19,870.00	6.41 %
<b>Total TNB</b>	<b>104,643.0</b>	<b>33.77 %</b>
ST-Coal	99,311.0	32.05 %
ST-Oil	6,697.0	2.16 %
Gas	96,991.0	31.30 %
<b>Total IPP</b>	<b>202,999.0</b>	<b>65.51 %</b>
Co-Gen	1,081.0	0.35 %
<b>Total Co-Gen</b>	<b>1,081.0</b>	<b>0.35 %</b>
<b>Total Generation</b>	<b>308,723.0</b>	<b>99.63 %</b>
PLTG	-436.0	-0.14 %
HVDC	-697.0	-0.22 %
<b>Interconnection</b>	<b>-1,133.0</b>	<b>-0.37 %</b>
<b>Net Energy</b>	<b>309,856.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	342
Hydro	228
Syncon	500
Thermal	-9
<b>Total</b>	<b>1061</b>

	Weather	Temperature
Morning	Sunny	26
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																												
SRDG	GT03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	125	128	126	126	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
TJGS	GT2A	227	228	228	228	228	227	228	229	228	229	205	192	171	171	173	228	228	227	227	227	227	227	227	227	227	227	227	227	227	227	227	227	227	227	227	227	227	227	227													
TJGS	GT2B	223	223	224	225	226	224	225	226	226	203	187	167	169	169	168	223	226	226	223	225	223	222	222	222	225	222	225	224	224	223	223	223	223	223	225	223	224	224	224	224	225	224										
TJGS	ST2C	245	244	244	244	244	244	243	243	243	240	221	212	211	211	211	243	241	244	244	245	244	245	245	245	245	245	245	245	245	245	245	245	245	245	245	245	245	245	245	244	244											
Total Distillate		835	835	835	837	839	835	835	838	837	838	788	741	690	691	692	693	835	835	837	834	836	834	833	831	830	834	831	835	833	835	959	962	960	959	832	832	834	832	835	833	837	836	837	836	836	837	836	835				
PCUF	CUFG	15	15	15	15	15	15	15	15	14	15	15	15	15	15	15	15	14	15	15	14	14	14	14	14	13	14	15	14	14	15	13	15	16	16	15	16	15	16	15	15	14	12										
PCUF	CUFK	28	29	30	30	30	30	31	30	30	32	30	31	30	31	31	29	28	27	29	28	26	26	21	22	20	21	20	19	18	19	20	21	20	20	20	23	20	21	20	23	24	23	25	27	26	26						
Total Co-Gen		43	44	45	45	45	46	45	45	46	45	46	46	45	46	44	43	41	44	43	40	40	35	36	33	35	33	33	34	35	35	34	35	36	35	37	36	38	40	38	40	42	40	38									
Total Gen		12061	11727	11436	11197	10987	10869	10739	10571	10515	10487	10435	10373	10363	10523	10451	10649	11278	12379	12992	13419	13884	14267	14671	14716	14675	14379	14363	14440	14712	15018	14952	14958	14877	14775	14536	13982	13498	13382	13617	14045	13970	13811	13782	13582	13135	12858	12714	12350				
TIE-EGAT		-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1					
TIE-HVDC		-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-28	-28	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29		
TIE-PLTG		-55	9	-65	-26	-47	4	-1	-26	34	62	75	28	-63	-78	28	-126	-32	117	-20	26	65	8	32	-15	62	40	-13	20	57	-27	54	29	-22	-30	97	28	-1	80	14	-105	-20	-63	-1	118	22	-10	153	60				
Interconnection		-85	-21	-95	-56	-77	-26	-31	-56	4	31	44	-2	-93	-108	-2	-156	-62	87	-80	-3	36	-22	2	-45	32	10	-43	-10	27	-57	24	-1	-52	-60	67	-3	-32	50	-16	-135	-50	-93	-31	88	-8	-40	123	30				
System Total		12146	11748	11531	11253	11064	10895	10770	10627	10511	10456	10391	10375	10456	10631	10453	10805	11340	12283	13042	13422	13848	14289	14669	14761	14643	14369	14406	14450	14685	15075	14928	14959	14929	14835	14469	13985	13530	13332	13633	14180	14020	13904	13813	13494	13143	12898	12591	12320				
SRev ST-Coal		-3	9	5	40	29	35	180	177	190	177	161	192	184	171	190	179	-22	-7	46	-11	-52	-3	20	5	14	10	4	-4	-19	33	-15	-16	-71	8	9	-8	3	13	11	-8	-3	-4	-8	1	-7	-15	-3	-15				
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		
SRev CCGI-Gas		520	728	1055	1253	1478	1587	1584	1705	1739	1775	1778	1776	1762	1631	1709	1496	1959	1211	865	728	534	302	172	197	232	442	470	328	279	329	346	323	378	367	426	479	740	665	464	261	305	586	160	339	586	392	454	893				
SRev OCGI-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	1	1	1	-31	-26	-10	57	3	66	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRev Distillate		0	0	0	-2	-4	0	0	-3	-2	-3	47	94	145	144	143	142	0	0	-2	1	-1	1	2	4	5	1	4	0	2	0	6	3	5	6	3	3	1	3	0	2	-2	-1	-2	-1	-1	-2	-1	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		726	726	640	640	640	489	726	726	726	726	726	726	575	575	726	726	726	726	575	726	575	575	575	575	726	726	726	424	424	424	424	424	424	338	726	726	726	726	726	726	726	726	726	726	726	726	575	726	726			
Hydro		102	117	172	170	168	167	306	121	129	138	150	137	117	103	230	236	108	148	111	118	200	119	258	283	332	335	106	113	496	211	312	333	432	402	540	106	114	84	76	88	119	149	171	180	250	233	149	103				
S.Reserve Total		1345	1580	1872	2151	2311	2429	2589	2726	2782	2811	2862	2925	2934	2775	2847	2628	2771	2078	1746	1562	1256	1146	1028	1065	1127	1488	1300	1220	1185	1063	1073	1067	1169	1207	1316	1306	1584	1491	1277	1069	1145	1456	1047	1245	1554	1183	1325	1707				