

**Availability At Daily Maximum Demand Hour**

ST-Coal	1,200	MW
ST-Gas	0	MW
ST-Oil	155	MW
Gas	3,242	MW
Hydro	1,620	MW
Distillate	1,105	MW
<b>Total TNB</b>	<b>7,322</b>	<b>MW</b>
<b>Total IPP</b>	<b>11,474</b>	<b>MW</b>
<b>Total Co-Gen</b>	<b>67</b>	<b>MW</b>
<b>System Total</b>	<b>18,863</b>	<b>MW</b>

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

At Daily Maximum Demand Hour : 16:00	
TNB Generation	5,594 MW
IPP Generation	9,074 MW
Total Set On Bus	15,579 MW
Maximum Demand	14,794 MW
Spinning Reserve	844 MW
Net Energy	303,675 MWH
Load Factor	85.5 %

**Maximum Demand Record**

Date :	09/05/2011	15,476.0 MW
Date :	10/05/2011	318,459.0 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	12147	11382	11038	10447	10328	10161	10405	10340	11008	12695	13568	14230	14281	14045	14419	14731	14794	14273	13314	13115	13835	13712	13219	12815

**Gas Usage**

Station	(mmscfd)
CBPS	42
GLGR	55
PAKA	179
PGPS	23
TJGS	46
<b>TNB Total</b>	<b>346</b>
KLPP	40
MPSS	40
PGLA	87
PLPS	108
SGB3	47
SGRI	31
SKSP	46
YPGS	34
YPKA	137
<b>IPP Total</b>	<b>570</b>
<b>Total Gas</b>	<b>916</b>

**Total Gas Required :** 1,262  
**Gas Calorific Value :** 38.500

**Alternate Fuel Usage**

Station	(mmscfd)
KLPP	41
PDPS	3
PGPS	58
PKLG	114
SGB3	20
SRDG	8
TJGS	100
<b>Total</b>	<b>346</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	27,197.00	8.96 %
ST-Oil	3,199.00	1.05 %
Gas	44,016.00	14.49 %
Hydro	13,098.00	4.31 %
Distillate	18,710.00	6.16 %
<b>Total TNB</b>	<b>106,220.0</b>	<b>34.98 %</b>
ST-Coal	98,805.0	32.54 %
ST-Oil	11,146.0	3.67 %
Gas	76,744.0	25.27 %
Distillate	8,352.0	2.75 %
<b>Total IPP</b>	<b>195,047.0</b>	<b>64.23 %</b>
Co-Gen	1,838.0	0.61 %
<b>Total Co-Gen</b>	<b>1,838.0</b>	<b>0.61 %</b>
<b>Total Generation</b>	<b>303,105.0</b>	<b>99.81 %</b>
PLTG	130.0	0.04 %
HVDC	-700.0	-0.23 %
<b>Interconnection</b>	<b>-570.0</b>	<b>-0.19 %</b>
<b>Net Energy</b>	<b>303,675.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	333
Hydro	208
Syncon	335
Thermal	31
<b>Total</b>	<b>907</b>

**Weather Temperature**

Weather	Temperature
Morning	Sunny 27
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																									
PGPS	GT3A	83	83	83	75	75	75	73	75	75	74	75	74	77	75	75	75	75	81	83	82	82	81	81	81	81	81	81	81	80	81	80	81	81	81	82	81	83	82	83	83	83	83	83	83					
SGB3	GT31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
SRDG	GT03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
SRDG	GT05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	209	167	134	132	133	133	132	133	133	132	132	133	170	227	226	226	225	224	223	223	223	223	222	222	223	224	223	223	222	224	221	223	222	224	224	224	224	224	225	226	226	226	226			
TJGS	GT2B	222	222	226	203	161	130	127	127	129	128	128	128	128	128	128	165	225	221	221	221	221	221	221	221	221	222	222	222	222	222	222	222	222	222	222	222	222	222	222	222	222	223	222	222	223	221	221		
TJGS	ST2C	247	246	242	233	218	188	192	192	192	192	191	192	191	192	217	241	248	247	246	248	248	247	245	247	248	247	247	248	247	247	247	247	247	247	247	247	247	247	247	247	247	247	247	247	247	247			
Total Distillate		779	779	779	720	621	527	524	527	527	527	528	527	529	527	526	528	627	774	778	907	910	946	1042	1041	1037	1039	1171	1171	1262	1459	1515	1514	1516	1519	1504	1175	1175	1175	1180	1178	1181	1181	1180	1182	1182	1185	1183	1178	
PCUF	CUFG	52	50	51	51	51	50	51	50	51	49	50	50	51	50	50	49	49	48	46	47	46	47	47	47	47	48	47	47	48	47	48	49	48	48	47	48	49	48	48	49	48	48	48	48	48	48			
PCUF	CUFK	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	25	26			
Total Co-Gen		72	70	71	71	71	70	71	71	69	70	70	71	70	70	69	69	68	66	67	66	67	67	67	67	68	67	67	68	67	67	68	67	68	68	69	68	68	67	68	69	68	68	68	73	74				
Total Gen		12091	11736	11387	11200	11021	10675	10450	10351	10312	10276	10238	10176	10379	10349	10347	10232	11136	12015	12634	13181	13527	13886	14143	14335	14204	14032	14000	14169	14368	14778	14700	14671	14735	14629	14303	13818	13331	12985	13061	13668	13818	13723	13691	13593	13182	13089	12904	12699	
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		
TIE-HVDC		-29	-29	-28	-28	-29	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-31	-31	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-29			
TIE-PLTG		-27	13	33	-22	12	5	32	20	14	69	106	74	3	-106	36	-2	157	29	-32	-15	-13	-36	-58	-79	-48	-92	-16	-45	-21	46	0	18	-29	3	59	-13	46	-24	-25	-84	12	-54	8	33	-8	78	119	-20	
Interconnection		-56	-16	5	-50	-17	-24	3	-9	-16	39	77	45	-26	-135	7	-31	128	0	-61	-44	-41	-64	-87	-108	-77	-121	-45	-75	-51	15	-31	-12	-59	-26	30	-42	17	-53	-54	-113	-17	-83	-21	4	-37	48	89	-49	
System Total		12147	11752	11382	11250	11038	10699	10447	10360	10328	10237	10161	10131	10405	10484	10340	10263	11008	12015	12695	13225	13568	13950	14230	14443	14281	14153	14045	14244	14419	14763	14731	14683	14794	14655	14273	13860	13314	13038	13115	13781	13835	13806	13712	13589	13219	13041	12815	12748	
SRev ST-Coal		35	34	32	34	40	312	323	320	319	355	354	352	355	343	341	345	233	61	18	29	31	24	25	30	48	80	38	36	34	22	27	29	31	31	31	27	22	25	21	11	33	67	26	11	15	10	22	16	
SRev ST-Oil		21	21	20	21	24	23	38	58	55	55	56	56	56	56	55	54	28	22	21	20	20	20	21	30	3	5	6	7	8	10	5	9	8	7	8	8	2	-84	0	-98	2	-3	4	2	2	7	9		
SRev CCGT-Gas		366	689	1093	1099	1117	1111	1145	1119	1120	1125	1121	1129	1071	1110	1115	1109	1109	1027	857	447	355	293	244	256	279	317	270	280	271	255	278	281	280	275	304	287	306	771	785	339	319	367	308	339	464	385	459	497	
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
SRev Distillate		6	6	6	65	164	258	261	258	258	258	257	258	256	258	259	257	158	11	7	18	15	119	23	24	28	26	34	34	73	116	60	61	59	56	71	30	30	30	25	27	24	24	25	23	23	20	22	27	
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
Syncon		539	539	539	645	645	645	494	645	645	645	645	388	539	539	539	539	539	323	474	474	625	474	323	86	237	237	237	237	237	323	474	625	625	474	388	474	474	474	474	625	625	388	625	388	625				
Hydro		189	220	169	77	130	86	141	254	130	136	132	136	172	143	145	123	134	235	260	145	103	98	53	154	16	72	36	152	264	314	267	296	228	343	426	254	377	111	117	130	266	292	336	194	103	143	355	55	
S.Reserve Total		1241	1594	1944	2026	2205	2520	2638	2588	2612	2659	2649	2661	2383	2534	2540	2619	2418	1986	1637	1284	1148	1178	989	808	875	972	1008	982	972	801	879	909	844	950	1076	929	1217	1564	1489	981	932	1226	1166	1045	1232	1185	1253	1229	