

**Availability At Daily Maximum Demand Hour**

ST-Coal	1,200	MW
ST-Gas	0	MW
ST-Oil	155	MW
Gas	3,437	MW
Hydro	1,597	MW
Distillate	760	MW
<b>Total TNB</b>	<b>7,149</b>	<b>MW</b>
<b>Total IPP</b>	<b>11,777</b>	<b>MW</b>
<b>Total Co-Gen</b>	<b>43</b>	<b>MW</b>
<b>System Total</b>	<b>18,969</b>	<b>MW</b>

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

At Daily Maximum Demand Hour : 14:30	
TNB Generation	4,659 MW
IPP Generation	9,888 MW
Total Set On Bus	15,375 MW
Maximum Demand	14,602 MW
Spinning Reserve	785 MW
Net Energy	296,475 MWH
Load Factor	84.6 %

**Maximum Demand Record**

<b>Date :</b>	09/05/2011	15,476.0 MW
<b>Date :</b>	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	11390	10860	10618	10275	9942	9817	10190	10295	10833	12379	13196	14065	14070	13770	14294	14477	14405	14188	13277	12860	13657	13335	12811	12383

**Gas Usage**

Station	(mmscfd)
GLGR	54
PAKA	127
PGPS	47
TJGS	47
<b>TNB Total</b>	<b>276</b>
KLPP	73
MPSS	43
PGLA	80
PLPS	97
SGB3	58
SGRI	83
SKSP	45
YPGS	34
YPKA	141
<b>IPP Total</b>	<b>653</b>
<b>Total Gas</b>	<b>929</b>

Total Gas Required : 1,225  
Gas Calorific Value : 38.500

**Alternate Fuel Usage**

Station	(mmscfd)
PGPS	36
PKLG	135
SGB3	17
SGRI	7
TJGS	101
<b>Total</b>	<b>296</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	27,045.00	9.12 %
ST-Oil	3,383.00	1.14 %
Gas	34,843.00	11.75 %
Hydro	13,879.00	4.68 %
Distillate	15,291.00	5.16 %
<b>Total TNB</b>	<b>94,441.0</b>	<b>31.85 %</b>
ST-Coal	97,303.0	32.82 %
ST-Oil	13,334.0	4.50 %
Gas	87,376.0	29.47 %
Distillate	3,083.0	1.04 %
<b>Total IPP</b>	<b>201,096.0</b>	<b>67.83 %</b>
Co-Gen	1,250.0	0.42 %
<b>Total Co-Gen</b>	<b>1,250.0</b>	<b>0.42 %</b>
<b>Total Generation</b>	<b>296,787.0</b>	<b>100.11 %</b>
PLTG	-413.0	-0.14 %
HVDC	725.0	0.24 %
<b>Interconnection</b>	<b>312.0</b>	<b>0.11 %</b>
<b>Net Energy</b>	<b>296,475.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	422
Hydro	194
Syncon	343
Thermal	27
<b>Total</b>	<b>986</b>

	Weather	Temperature
Morning	Sunny	26
Afternoon	Hot	34





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																									
TJGS	GT2A	227	227	227	194	152	132	131	132	131	131	131	153	171	171	228	226	227	227	226	225	226	224	225	224	224	224	225	226	225	224	224	225	225	226	225	226	225	226	226	226	206								
TJGS	GT2B	223	223	223	190	149	149	130	129	129	129	127	129	148	169	169	224	224	224	224	224	224	221	222	224	222	221	224	224	224	224	224	222	222	222	222	222	222	222	222	222	224	224	223	204					
TJGS	ST2C	244	245	245	245	219	203	202	191	192	191	192	192	200	211	213	242	247	245	246	247	246	246	246	246	246	246	246	246	246	246	246	245	246	246	246	246	246	246	247	246	247	246	247	244					
Total Distillate		694	695	695	695	603	504	503	453	452	452	450	452	501	551	553	694	697	696	764	823	821	819	819	817	819	822	817	867	943	943	943	944	945	944	941	940	847	818	819	819	819	765	693	697	696	654			
PCUF	CUFG	20	20	19	19	20	21	18	18	19	20	19	19	20	20	18	20	20	19	19	18	19	18	18	18	19	19	18	18	19	19	19	19	18	19	19	20	18	19	19	19	19	20	19	20	19	19			
PCUF	CUFK	29	30	31	30	30	31	30	29	29	31	30	30	30	30	31	29	29	31	29	27	26	25	26	24	25	23	24	24	24	23	26	26	26	26	25	24	25	26	28	31	29	30	28	26	30	28	29		
Total Co-Gen		49	50	50	49	50	52	48	47	48	51	49	48	51	50	48	50	51	48	48	49	48	45	44	43	45	43	43	41	43	43	42	45	44	45	44	44	44	43	45	47	50	48	50	47	46	50	47	48	
Total Gen		11432	11214	10879	10686	10607	10418	10386	10121	9983	9929	9829	9910	10113	10376	10364	10333	10793	11890	12325	12591	13139	13512	14031	14298	14138	13818	13743	13860	14355	14590	14546	14495	14414	14425	14145	13779	13270	12820	12893	13521	13622	13559	13323	13229	12900	12489	12371	12113	
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	
TIE-HVDC		30	30	29	29	31	31	31	31	31	29	29	29	30	31	31	30	30	29	29	29	29	29	31	31	31	31	30	30	31	31	30	30	30	30	30	31	31	31	31	30	30	31	31	30	30	31	30	30	
TIE-PLTG		12	16	-10	63	-42	-79	80	43	10	-65	-19	-22	-106	8	39	-10	-71	114	-84	-119	-86	17	-63	-71	39	-102	-58	-116	30	-42	39	-42	-22	12	-73	-10	-37	10	2	7	-66	-51	-42	-14	58	29	-42	-136	
Interconnection		42	46	19	92	-11	-48	111	74	41	-34	12	7	-77	37	69	21	-40	144	-54	-90	-57	46	-34	-42	68	-71	-27	-85	61	-12	69	-11	9	42	-43	20	-7	41	33	38	-35	-21	-12	17	89	59	-12	-106	
System Total		11390	11168	10860	10594	10618	10466	10275	10047	9942	9963	9817	9903	10190	10339	10295	10312	10833	11746	12379	12681	13196	13466	14065	14340	14070	13889	13770	13945	14294	14602	14477	14506	14405	14383	14188	13759	13277	12779	12860	13483	13657	13580	13335	13212	12811	12430	12383	12219	
SRev ST-Coal		33	17	123	282	271	293	289	301	418	413	412	410	406	320	307	316	312	51	46	36	46	35	38	26	22	21	13	15	30	25	41	29	19	14	2	13	26	43	80	82	62	26	24	12	20	20	21	16	
SRev ST-Oil		-3	-2	7	20	1	-7	-4	-4	-2	-2	-2	-3	-2	-4	-4	-4	-5	-3	-4	-4	-4	-4	-4	-2	-3	16	16	15	15	15	15	1	-2	-2	-1	-2	-2	1	1	1	2	4	4	4	7	0	-3	-4	
SRev CCGT-Gas		1020	1231	1201	1208	1195	1188	1200	1215	1205	1172	1202	1185	1144	1200	1210	1168	1142	913	902	1147	683	876	520	443	511	733	750	667	386	294	294	327	434	407	530	633	866	872	801	305	186	187	313	225	227	325	544	540	
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	5	5	5	97	196	197	247	248	248	250	248	199	149	147	6	3	4	76	17	19	21	21	23	21	18	23	113	37	37	37	36	35	36	39	40	133	22	21	21	21	75	7	3	4	4	46		
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	
Syncon		238	389	495	495	495	495	646	646	646	646	495	646	495	646	646	646	540	389	540	389	388	237	239	390	540	540	237	237	237	323	323	323	323	474	625	625	625	625	474	474	625	625	474	474	474	474	323		
Hydro		293	166	110	118	113	98	122	119	94	26	98	178	12	182	77	41	61	117	88	197	80	161	78	169	230	107	126	84	155	177	205	256	347	368	385	140	172	192	211	231	329	272	262	179	323	294	192	294	
S.Reserve Total		1587	1806	1941	2128	2172	2263	2450	2524	2609	2503	2604	2516	2453	2394	2385	2314	2162	1621	1576	1841	1362	1476	1041	894	1022	1288	1463	1344	936	785	829	973	1157	1145	1426	1448	1727	1866	1740	1114	1074	1135	1303	901	1054	1117	1232	1215	