

**Availability At Daily Maximum Demand Hour**

ST-Coal	2,070	MW
ST-Gas	0	MW
ST-Oil	140	MW
Gas	3,556	MW
Hydro	1,830	MW
Distillate	835	MW
<b>Total TNB</b>	<b>8,431</b>	<b>MW</b>
<b>Total IPP</b>	<b>9,942</b>	<b>MW</b>
<b>Total Co-Gen</b>	<b>86</b>	<b>MW</b>
<b>System Total</b>	<b>18,459</b>	<b>MW</b>

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

At Daily Maximum Demand Hour : 11:30		
TNB Generation	5,270	MW
IPP Generation	7,516	MW
Total Set On Bus	13,776	MW
Maximum Demand	12,994	MW
Spinning Reserve	904	MW
Net Energy	281,871	MWH
Load Factor	90.4	%

**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	11623	11068	10841	10585	10296	10107	10198	10168	10265	11486	12346	12873	12880	12602	12826	12642	12647	12301	12044	12598	12826	12666	12207	11938

**Gas Usage**

Station	(mmscfd)
CBPS	57
GLGR	58
PAKA	50
TJGS	111
<b>TNB Total</b>	<b>276</b>
KLPP	12
MPSS	30
PLPS	101
SGB3	60
YPGS	68
YPKA	132
<b>IPP Total</b>	<b>404</b>
<b>Total Gas</b>	<b>679</b>

Total Gas Required : 1,050  
Gas Calorific Value : 38.500

**Alternate Fuel Usage**

Station	(mmscfd)
KLPP	74
PGLA	52
PGPS	39
PKLG	126
SGB3	22
TJGS	57
<b>Total</b>	<b>370</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	49,367.00	17.51 %
ST-Oil	1,343.00	0.48 %
Gas	35,845.00	12.72 %
Hydro	12,983.00	4.61 %
Distillate	10,957.00	3.89 %
<b>Total TNB</b>	<b>110,495.0</b>	<b>39.20 %</b>
ST-Coal	83,970.0	29.79 %
ST-Oil	12,333.0	4.38 %
Gas	52,663.0	18.68 %
Distillate	19,098.0	6.78 %
<b>Total IPP</b>	<b>168,064.0</b>	<b>59.62 %</b>
Co-Gen	2,325.0	0.82 %
<b>Total Co-Gen</b>	<b>2,325.0</b>	<b>0.82 %</b>
<b>Total Generation</b>	<b>280,884.0</b>	<b>99.65 %</b>
PLTG	-290.0	-0.10 %
HVDC	-697.0	-0.25 %
<b>Interconnection</b>	<b>-987.0</b>	<b>-0.35 %</b>
<b>Net Energy</b>	<b>281,871.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	338
Hydro	157
Syncon	406
Thermal	35
<b>Total</b>	<b>936</b>

**Weather**

Morning	Sunny
Afternoon	Hot

**Temperature**

28
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																									
PCUF	CUFG	50	51	50	51	51	50	50	51	50	51	51	50	50	51	50	48	49	49	48	46	47	46	46	47	47	46	46	47	48	47	48	49	50	50	50	50	51	51	51	50	50	50	50	50					
PCUF	CUFK	40	39	40	40	40	41	40	40	39	41	41	39	39	40	41	40	40	40	39	40	41	40	39	40	42	40	40	39	40	39	40	39	42	39	40	41	40	41	39	39	41	41							
<b>Total Co-Gen</b>		90	90	90	91	91	91	90	90	91	89	92	92	89	89	90	92	89	88	88	88	89	86	88	86	86	87	86	86	87	87	87	90	87	88	88	90	89	92	89	91	92	91	91	89	89	91	91		
<b>Total Gen</b>		11651	11503	11033	10887	10715	10574	10542	10318	10271	10121	10049	10085	10166	10152	10086	10050	10204	10871	11421	11773	12277	12463	12823	12872	12905	12737	12602	12664	12769	12760	12595	12679	12646	12551	12359	12166	12086	12185	12573	12885	12798	12845	12679	12492	12203	11956	11828	11544	
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	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-28	-30	-30	-30	-29	-28	-28	-30	-31	-28	-30	-30	-29	-29	-29	-29	-28	-28	-28	-28	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	
TIE-PLTG		57	40	-6	27	-97	-50	-14	-24	4	58	-29	-44	-3	-43	-53	-16	-31	-15	-35	-22	-39	-104	-22	-94	55	8	28	28	-27	-27	-18	33	28	1	86	86	70	20	4	-22	1	-48	42	-2	25	-37	-81	7	
<b>Interconnection</b>		28	11	-35	-2	-126	-79	-43	-53	-25	29	-58	-73	-32	-72	-82	-46	-61	-43	-65	-52	-69	-133	-50	-122	25	-23	0	-2	-57	-56	-47	4	-1	-27	58	58	42	-9	-25	-51	-28	-77	13	-31	-4	-66	-110	-22	
<b>System Total</b>		11623	11492	11068	10889	10841	10653	10585	10371	10296	10092	10107	10158	10198	10224	10168	10096	10265	10914	11486	11825	12346	12596	12873	12994	12880	12760	12602	12666	12826	12816	12642	12675	12647	12578	12301	12108	12044	12194	12598	12936	12826	12922	12666	12523	12207	12022	11938	11566	
SRev	ST-Coal	30	28	14	19	15	35	134	192	192	193	192	185	184	192	184	184	188	25	12	9	24	20	17	24	26	17	26	24	19	25	20	16	14	18	37	13	27	21	51	32	26	11	16	20	30	21	23	26	
SRev	ST-Oil	12	10	10	15	15	16	16	16	14	66	65	65	66	66	65	65	46	14	11	11	9	9	10	11	38	42	44	44	44	44	44	41	41	40	40	40	40	41	16	11	11	11	11	11	11	12	12	12	12
SRev	CCGT-Gas	705	576	749	538	631	708	672	819	835	919	900	817	789	795	804	842	789	566	373	384	512	299	220	264	276	205	221	230	182	185	262	216	180	165	226	245	299	282	162	230	229	202	234	431	283	276	622	535	
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	28	29	28	28	28	27	29	12	93	93	92	90	92	92	93	93	124	165	269	206	117	120	153	159	170	163	164	159	160	161	159	138	133	264	266	424	429	427	262	120	112	117	121	116	166	551	225	282	
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		625	625	625	474	575	726	726	726	575	726	726	726	625	625	726	726	726	474	474	474	474	323	323	237	474	475	625	625	625	625	474	625	625	625	625	625	625	625	474	474	474	625	625	625	625	625	474		
Hydro		247	172	104	243	225	118	84	120	222	136	102	76	120	119	83	83	84	231	308	334	37	99	173	124	381	283	160	143	91	90	185	278	134	106	235	277	286	210	106	140	244	235	208	199	223	101	89	411	
<b>S.Reserve Total</b>		1647	1440	1530	1317	1489	1630	1661	1885	1933	2081	2078	1959	1875	1889	1956	1993	1976	1507	1450	1418	1175	1021	895	904	1101	1180	1088	1225	1121	1130	1295	1166	1127	1219	1429	1624	1706	1606	1222	1007	1096	1050	1215	1402	1339	1586	1596	1740	