

**Availability At Daily Maximum Demand Hour**

ST-Coal	2,075	MW
ST-Gas	0	MW
ST-Oil	70	MW
Gas	3,725	MW
Hydro	1,853	MW
Distillate	100	MW
<b>Total TNB</b>	<b>7,823</b>	<b>MW</b>
<b>Total IPP</b>	<b>11,597</b>	<b>MW</b>
<b>Total Co-Gen</b>	<b>82</b>	<b>MW</b>
<b>System Total</b>	<b>19,502</b>	<b>MW</b>

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

At Daily Maximum Demand Hour : 14:30	
TNB Generation	6,071 MW
IPP Generation	9,337 MW
Total Set On Bus	16,374 MW
Maximum Demand	15,570 MW
Spinning Reserve	884 MW
Net Energy	319,622 MWH
Load Factor	85.5 %

**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	12598	11974	11552	11222	11017	10841	11052	11227	11626	13260	14230	14877	14862	14580	15195	15483	15359	14973	14042	13574	14619	14462	13938	13592

**Gas Usage**

Station	(mmscfd)
CBPS	40
GLGR	56
PAKA	120
PGPS	27
SRDG	14
TJGS	103
<b>TNB Total</b>	<b>361</b>
KLPP	98
MPSS	55
PGLA	84
PLPS	94
SGRI	188
SKSP	38
YPGS	35
YPKA	134
<b>IPP Total</b>	<b>724</b>
<b>Total Gas</b>	<b>1,085</b>
<b>Total Gas Required :</b>	<b>1,202</b>
<b>Gas Calorific Value :</b>	<b>38.500</b>

**Alternate Fuel Usage**

Station	(mmscfd)
PGPS	13
PKLG	104
<b>Total</b>	<b>117</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	49,632.00	15.53 %
Gas	45,198.00	14.14 %
Hydro	17,882.00	5.59 %
Distillate	1,546.00	0.48 %
<b>Total TNB</b>	<b>114,258.0</b>	<b>35.75 %</b>
ST-Coal	96,445.0	30.17 %
ST-Gas	1,429.0	0.45 %
ST-Oil	10,114.0	3.16 %
Gas	94,436.0	29.55 %
<b>Total IPP</b>	<b>202,424.0</b>	<b>63.33 %</b>
Co-Gen	2,254.0	0.71 %
<b>Total Co-Gen</b>	<b>2,254.0</b>	<b>0.71 %</b>
<b>Total Generation</b>	<b>318,936.0</b>	<b>99.79 %</b>
PLTG	7.0	0.00 %
HVDC	-693.0	-0.22 %
<b>Interconnection</b>	<b>-686.0</b>	<b>-0.21 %</b>
<b>Net Energy</b>	<b>319,622.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	430
Hydro	175
Syncon	364
Thermal	4
<b>Total</b>	<b>973</b>

**Weather Temperature**

Weather	Temperature
Morning	Sunny 28
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																										
UPIA	HY02	5	5	6	6	5	5	6	6	6	6	6	6	6	6	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	5	5	5	5									
Total Hydro		677	678	648	625	602	586	576	581	580	583	572	607	585	587	587	557	556	553	542	576	658	924	1092	1238	1200	933	780	1050	1110	1300	1233	1119	1152	1051	1005	576	546	550	546	649	838	861	770	650	640	586	665	557		
PGPS	GT3A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	90	90	90	89	91	90	90	91	90	90	90	91	90	91	91	90	91	90	89	88	91	0	0		
PGPS	GT3B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	89	82			
PGPS	ST3C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	84	38				
Total Distillate		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	90	90	90	89	91	90	90	91	90	90	90	91	90	91	91	90	91	90	89	88	91	173	120		
PCUF	CUFG	51	52	51	51	52	51	52	51	52	51	51	52	50	52	52	52	53	52	51	51	53	52	51	51	53	52	51	51	51	51	51	51	51	50	52	51	52	52	53	53	53	52	53	52	52	51	52	51		
PCUF	CUFK	39	39	39	40	38	38	39	39	40	40	40	39	41	39	40	40	40	41	39	39	38	32	34	34	33	33	32	32	31	31	30	32	30	31	32	32	33	35	36	35	34	35	33	32	33	32	33	33		
Total Co-Gen		90	91	90	91	90	89	91	90	92	91	92	90	92	91	90	92	92	93	92	91	89	83	87	86	84	84	84	83	82	82	81	83	81	81	84	83	85	87	89	88	87	87	86	84	85	83	85	84		
Total Gen		12600	12220	11945	11673	11565	11328	11186	11050	10977	10894	10815	10870	11004	11203	11200	11162	11571	12566	13313	13793	14175	14548	14790	15057	14883	14606	14567	14828	15143	15490	15467	15414	15355	15275	14921	14377	13977	13494	13495	14146	14520	14565	14447	14319	14050	13786	13604	13189		
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		-28	-29	-29	-29	-29	-29	-28	-28	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29		
TIE-PLTG		30	54	0	1	42	-15	-7	16	-12	14	3	-18	-19	-52	2	5	-26	-5	82	20	-26	16	-58	-25	51	-12	16	-12	-23	-51	13	-35	25	-11	-23	-4	-37	-110	-51	-108	-70	-79	14	25	142	-127	40	15		
Interconnection		2	25	-29	-28	13	-44	-36	-12	-40	-15	-26	-47	-48	-81	-27	-24	-65	-34	53	-9	-55	-13	-87	-55	21	-41	-13	-41	-52	-80	-16	-64	-4	-40	-52	-32	-65	-138	-79	-137	-99	-108	-15	5	112	-156	12	-13		
System Total		12598	12195	11974	11701	11552	11372	11222	11062	11017	10909	10841	10917	11052	11284	11227	11186	11626	12600	13260	13802	14230	14561	14877	15112	14862	14647	14580	14869	15195	15570	15483	15478	15359	15315	14973	14409	14042	13632	13574	14283	14619	14673	14462	14324	13938	13942	13592	13202		
SRev ST-Coal		0	11	-12	10	-15	55	24	32	20	112	115	112	112	125	53	-24	-9	-1	-8	6	-3	18	5	-10	4	6	7	3	-3	-2	8	6	13	4	7	5	-6	-1	-2	1	-19	-7	-10	-6	-1	4	-3	10		
SRev ST-Oil		7	27	31	33	32	117	56	56	56	56	56	56	56	56	56	56	56	52	8	6	7	7	7	7	6	6	6	6	7	9	9	9	9	-5	-5	-5	-5	-5	-5	-5	-5	-5	7	7	6	6	7	6	6	5
SRev CCGT-Gas		1085	1336	1582	1808	1917	1982	2081	2033	2130	2038	2104	2085	1931	1720	1794	1901	1990	1386	1006	709	556	422	485	424	544	542	427	438	397	405	451	377	324	316	461	395	629	1112	1111	447	280	248	276	276	530	647	399	330		
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	178	14	22	23	160	155	188	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRev Distillate		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	10	10	11	9	10	10	9	10	10	10	9	10	9	9	10	9	10	11	12	9	27	25		
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		625	625	625	474	625	625	625	625	625	625	625	625	625	625	625	625	625	474	625	323	323	323	323	323	474	625	323	323	172	172	323	237	323	323	625	625	625	625	625	625	625	625	625	625	625	625	474	625		
Hydro		83	82	87	211	83	99	109	104	105	102	113	229	100	98	98	78	79	82	93	210	77	207	274	188	166	197	199	316	256	277	344	307	360	265	261	103	83	79	83	105	116	93	159	79	94	98	170	77		
S.Reserve Total		1800	2081	2313	2536	2642	2878	2895	2850	2936	2933	3013	2956	2824	2624	2626	2636	2737	2100	1722	1406	1262	977	1094	953	1043	1235	1274	1097	1171	884	1016	1041	1098	1068	1245	1133	1335	1820	1821	1194	1019	974	1066	992	1267	1439	1073	1072		