

**Availability At Daily Maximum Demand Hour**

ST-Coal	1,380	MW
ST-Gas	0	MW
ST-Oil	150	MW
Gas	4,241	MW
Hydro	1,829	MW
Distillate	0	MW
<b>Total TNB</b>	<b>7,600</b>	<b>MW</b>
<b>Total IPP</b>	<b>11,472</b>	<b>MW</b>
<b>Total Co-Gen</b>	<b>66</b>	<b>MW</b>
<b>System Total</b>	<b>19,138</b>	<b>MW</b>

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

At Daily Maximum Demand Hour : 15:30		
TNB Generation	4,937	MW
IPP Generation	10,108	MW
Total Set On Bus	16,071	MW
Maximum Demand	15,207	MW
Spinning Reserve	960	MW
Net Energy	316,644	MWH
Load Factor	86.8	%

**Maximum Demand Record**

<b>Date :</b>	20/06/2012	15,826.0 MW
<b>Date :</b>	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	12760	12150	11616	11180	10997	11059	11064	11060	11422	13115	14023	14586	14552	14294	14927	15131	15150	14696	13648	13323	13903	14186	13933	13454

**Gas Usage**

Station	(mmscfd)
CBPS	57
GLGR	29
PAKA	0
PGPS	49
SRDG	24
TJGS	207
<b>TNB Total</b>	<b>367</b>
KLPP	75
MPSS	53
PGLA	113
PKLG	6
PLPS	109
PTEK	2
SGB3	71
SGRI	150
SKSP	57
YPGS	50
YPKA	128
<b>IPP Total</b>	<b>815</b>
<b>Total Gas</b>	<b>1,182</b>

**Total Gas Required :** 1,231  
**Gas Calorific Value :** 38.500

**Alternate Fuel Usage**

Station	(mmscfd)
PKLG	49
<b>Total</b>	<b>49</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	32,967.00	10.41 %
Gas	48,907.00	15.45 %
Hydro	13,576.00	4.29 %
<b>Total TNB</b>	<b>95,450.0</b>	<b>30.14 %</b>
ST-Coal	106,997.0	33.79 %
ST-Oil	4,765.0	1.50 %
Gas	106,624.0	33.67 %
<b>Total IPP</b>	<b>218,386.0</b>	<b>68.97 %</b>
Co-Gen	1,853.0	0.59 %
<b>Total Co-Gen</b>	<b>1,853.0</b>	<b>0.59 %</b>
<b>Total Generation</b>	<b>315,689.0</b>	<b>99.70 %</b>
PLTG	-255.0	-0.08 %
HVDC	-700.0	-0.22 %
<b>Interconnection</b>	<b>-955.0</b>	<b>-0.30 %</b>
<b>Net Energy</b>	<b>316,644.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	312
Hydro	149
Syncon	425
Thermal	37
<b>Total</b>	<b>924</b>

**Weather Temperature**

Weather	Temperature
Morning	Sunny 26
Afternoon	Hot 30



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		
PLPS	GT11	143	143	116	75	75	75	75	75	75	75	75	75	140	140	140	140	130	130	130	130	130	140	140	140	140	
PLPS	GT12	145	145	120	75	75	75	75	75	75	75	75	75	140	140	140	140	130	130	130	130	130	140	140	140	140	
PLPS	GT13	153	153	113	75	75	75	75	75	75	75	75	75	140	140	140	140	130	130	130	130	130	140	140	140	140	
PLPS	ST18	213	213	199	161	161	161	161	161	161	161	161	161	230	230	230	230	220	220	220	220	220	220	220	220	220	
SKSP	BLK1	293	308	336	299	305	310	302	299	302	305	319	312	342	344	314	303	243	269	346	341	330	340	334	339	341	
TJGS	GT1A	226	226	223	226	195	175	160	121	124	124	124	124	124	178	228	223	223	223	223	223	220	220	220	220	220	
TJGS	GT1B	220	220	220	221	189	170	155	118	118	118	118	118	118	174	224	220	220	220	217	217	217	217	217	217	217	
TJGS	ST1C	254	254	254	254	224	209	194	167	167	167	167	167	167	204	252	252	252	252	252	252	257	254	254	254	254	
TJGS	GT2A	208	206	207	208	201	162	162	162	162	162	161	162	163	162	162	208	207	207	206	207	205	205	205	204	204	
TJGS	GT2B	218	218	218	218	198	160	160	160	160	159	159	159	161	161	220	220	217	215	218	215	218	213	213	213	213	
TJGS	ST2C	263	263	263	263	252	228	228	229	228	228	228	228	228	262	263	262	262	263	262	261	261	261	261	261	261	
Total CCGT-Gas		6543	6093	5845	5560	5338	5082	4941	4821	4846	4892	4915	4882	4945	4960	4901	4815	5042	5921	6279	6457	6850	7148	7051	7087	7084	
PKLG	GT08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PKLG	GT09	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PTEK	GT1B	0	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	GT02	0	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	
SRDG	GT04	0	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	
Total OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	41	103	102	190	319	319	302	223
BSIA	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
BSIA	HY02	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
BSIA	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
CEND	HY01	6	7	7	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
CEND	HY02	6	7	7	7	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
CEND	HY03	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
KNRG	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
KNRG	HY02	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	
KNYR	HY01	-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	
KNYR	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
KNYR	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
KNYR	HY04	55	72	87	58	59	57	58	57	57	60	67	70	88	99	70	59	79	98	0	96	106	105	105	105	105	
LPIA	HY01	22	22	22	20	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	
MNOR	HY01	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
PGAU	HY01	-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	
PGAU	HY02	-1	-1	-1	-1	-1	19	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
PGAU	HY03	-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	
PGAU	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TMGR	HY01	-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	
TMGR	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TMGR	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TMGR	HY04	-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	

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	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5												
Total Hydro		142	161	176	144	147	164	146	145	145	149	175	158	177	209	193	180	207	327	595	936	942	937	1200	1217	1039	709	715	1067	1079	1331	1314	1176	1136	1070	940	516	416	307	293	323	458	721	730	739	665	639	239	266			
PCUF	CUFG	48	47	46	48	46	48	47	46	48	47	48	47	47	46	46	48	48	47	47	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	45	46	44	46	45	45	45	45	46	45	46	46	46	45	46	46	
PCUF	CUFK	33	28	32	33	30	32	29	30	31	30	31	31	32	32	28	31	30	28	28	25	25	22	22	22	22	22	19	21	21	21	22	20	20	22	21	24	24	23	24	22	23	24	24	25	25	26	25	24			
Total Co-Gen		81	75	78	81	76	80	76	76	79	77	79	78	79	78	74	79	78	75	71	71	68	68	68	68	67	65	67	67	67	68	66	65	68	65	70	69	68	69	67	69	69	70	71	71	71	71	70				
Total Gen		12782	12343	12120	11806	11579	11335	11181	10986	10956	10952	11013	10955	11037	11083	11009	10916	11346	12344	12982	13521	13984	14275	14527	14716	14531	14197	14263	14613	14820	14957	15113	15111	15088	15067	14645	14138	13578	13448	13278	13418	13855	14096	14154	14105	13969	13910	13378	13193			
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	-1			
TIE-HVDC		-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	-29	-29	-29	-29	-29	-29	-29	-29	-29		
TIE-PLTG		52	-14	0	-32	-7	30	31	30	-11	36	-16	42	3	-41	-21	-48	-46	-50	-103	-81	-9	-30	-29	5	10	-36	-1	3	-76	-168	12	-66	-31	-14	-21	10	-40	7	-15	-34	-18	-16	-2	38	67	42	-46	-34			
Interconnection		22	-44	-30	-62	-37	0	1	0	-41	6	-46	12	-27	-71	-51	-78	-76	-80	-133	-111	-39	-60	-59	-25	-21	-67	-31	-27	-107	-199	-18	-96	-62	-45	-51	-20	-70	-23	-45	-64	-48	-46	-32	8	36	11	-76	-64			
System Total		12760	12387	12150	11868	11616	11335	11180	10986	10997	10946	11059	10943	11064	11154	11060	10994	11422	12424	13115	13632	14023	14335	14586	14741	14552	14264	14294	14640	14927	15156	15131	15207	15150	15112	14696	14158	13648	13471	13323	13482	13903	14142	14186	14097	13933	13899	13454	13257			
SRev ST-Coal		33	35	28	28	31	40	31	105	163	215	205	212	213	213	208	207	31	29	17	34	31	29	32	25	29	43	39	43	14	18	32	32	39	32	25	26	26	39	27	26	29	50	22	60	39	38	93	22			
SRev ST-Oil		28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	18	1	1	1	0	3	5	2	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1
SRev CCGT-Gas		327	637	595	880	1102	1358	1499	1619	1594	1548	1525	1558	1495	1480	1539	1625	1398	879	461	643	480	252	349	313	366	403	346	375	289	298	315	264	281	334	368	303	516	447	616	505	201	202	183	204	287	221	177	260			
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	69	7	8	50	51	51	68	17	20	25	104	169	82	41	40	102	157	54	0	0	0	0	0	0	0	0	0	0	0	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	726	726	726	575	726	726	726	575	726	726	575	726	726	726	474	237	302	453	302	302	453	539	539	539	539	302	302	453	453	453	604	776	877	877	877	877	877	776	625	776	776	625	877	877					
Hydro		75	56	41	73	70	204	71	72	72	68	193	59	40	159	109	122	95	75	144	140	241	220	256	239	116	231	224	151	139	124	141	128	168	234	188	86	85	194	208	178	243	81	224	64	88	215	63	36			
S.Reserve Total		1189	1482	1418	1735	1957	2205	2355	2550	2583	2585	2526	2583	2502	2455	2610	2708	2278	1737	1124	1151	1089	990	1017	958	1043	1312	1193	1156	1024	847	960	960	982	1096	1292	1350	1559	1558	1729	1587	1352	1111	1055	1105	1191	1100	1211	1196			