

**Availability At Daily Maximum Demand Hour**

ST-Coal	2,070 MW
ST-Gas	0 MW
ST-Oil	140 MW
Gas	4,326 MW
Hydro	1,871 MW
Distillate	0 MW
<b>Total TNB</b>	<b>8,407 MW</b>
<b>Total IPP</b>	<b>10,752 MW</b>
<b>Total Co-Gen</b>	<b>83 MW</b>
<b>System Total</b>	<b>19,802 MW</b>

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

At Daily Maximum Demand Hour : 16:30	
TNB Generation	6,420 MW
IPP Generation	8,549 MW
Total Set On Bus	16,047 MW
Maximum Demand	15,089 MW
Spinning Reserve	995 MW
Net Energy	307,042 MWH
Load Factor	84.8 %

**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	11498	10860	10367	10174	10074	9932	10426	10691	11178	12991	13923	14487	14484	14268	14761	15025	15030	14604	13599	13419	14363	14144	13517	13178

**Gas Usage**

Station	(mmscfd)
CBPS	49
GLGR	57
PAKA	76
PGPS	44
SRDG	34
TJGS	207
<b>TNB Total</b>	<b>468</b>
KLPP	108
MPSS	55
PGLA	105
PKLG	1
PLPS	102
SGB3	80
SGRI	86
SKSP	54
YPGS	34
YPKA	99
<b>IPP Total</b>	<b>725</b>
<b>Total Gas</b>	<b>1,193</b>

Total Gas Required : 1,193  
Gas Calorific Value : 38.500

**Generation Mix**

Type	MWh	Percentage
ST-Coal	49,021.00	15.97 %
Gas	60,066.00	19.56 %
Hydro	10,768.00	3.51 %
<b>Total TNB</b>	<b>119,855.0</b>	<b>39.04 %</b>
ST-Coal	90,345.0	29.42 %
Gas	94,156.0	30.67 %
<b>Total IPP</b>	<b>184,501.0</b>	<b>60.09 %</b>
Co-Gen	2,188.0	0.71 %
<b>Total Co-Gen</b>	<b>2,188.0</b>	<b>0.71 %</b>
<b>Total Generation</b>	<b>306,544.0</b>	<b>99.84 %</b>
PLTG	109.0	0.04 %
HVDC	-607.0	-0.20 %
<b>Interconnection</b>	<b>-498.0</b>	<b>-0.16 %</b>
<b>Net Energy</b>	<b>307,042.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	279
Hydro	181
Syncon	469
Thermal	15
<b>Total</b>	<b>945</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																												
YPKA	BLK2	264	276	276	279	279	276	277	277	276	281	281	276	279	279	280	280	281	281	281	281	281	281	281	281	282																											
PLPS	GT11	114	65	66	65	66	65	65	64	64	65	66	65	65	73	104	141	140	139	138	138	137	136	134	135	135	135	133	135	130	134	135	114	126	120	120	114	139	137	127	129	150	131	137	140	117							
PLPS	GT12	118	70	68	69	69	69	69	69	68	70	70	68	69	69	109	148	146	145	144	144	143	142	139	141	141	137	141	141	133	140	139	117	131	125	125	118	143	140	131	132	135	136	140	144	120							
PLPS	GT13	111	91	64	62	63	63	63	63	65	64	64	64	64	65	64	64	110	142	142	142	142	142	141	135	130	137	135	130	136	135	127	137	136	112	124	117	118	111	136	133	124	125	128	127	133	136	114					
PLPS	ST18	200	177	147	145	145	145	146	146	145	144	145	145	146	145	144	194	215	215	214	215	212	211	210	205	211	211	209	211	212	210	211	211	201	207	200	201	201	209	208	208	209	209	210	209	213	200						
SKSP	BLK1	298	213	211	214	231	221	215	215	261	235	212	214	342	347	344	350	344	306	313	340	342	301	325	339	342	328	341	338	329	338	339	329	338	335	303	323	322	262	231	334	337	310	315	321	329	335	330	96				
TJGS	GT1A	232	230	231	180	105	142	141	108	108	110	108	111	108	164	174	196	198	226	228	228	228	228	228	228	226	228	228	228	228	227	227	230	230	230	230	231	228	228	228	228	210	210	210	210	210	210	210	210	210			
TJGS	GT1B	228	228	224	170	97	134	134	100	100	100	100	100	100	155	166	189	189	217	224	224	224	224	224	220	225	223	223	223	223	224	224	224	224	224	224	224	224	224	224	224	224	224	224	224	224	224	224	224	224			
TJGS	ST1C	258	258	258	217	154	177	180	149	146	146	146	146	146	188	192	218	222	241	256	256	256	260	260	260	260	260	260	260	260	260	260	260	260	260	260	260	260	260	260	260	260	260	260	260	260	260	260	260	260			
TJGS	GT2A	211	211	210	163	163	163	163	164	163	164	163	163	163	163	163	209	210	207	207	207	207	206	204	205	204	204	207	206	205	205	206	208	209	210	209	208	209	208	208	208	208	210	210	210	210	210	210	210	210	211		
TJGS	GT2B	216	218	218	162	162	161	161	161	161	161	161	161	161	161	161	161	160	162	215	218	215	212	214	214	214	211	211	211	211	214	214	211	211	216	216	216	216	216	216	215	215	217	217	217	217	217	217	217	217	217		
TJGS	ST2C	260	260	260	227	227	227	226	227	226	228	227	227	227	227	228	227	227	227	260	261	260	260	260	258	259	259	259	259	259	259	260	259	259	259	260	260	260	260	260	260	260	260	260	260	260	260	260	260	260	260	260	
Total CCGT-Gas		5375	4994	4882	4512	4329	4265	4225	4157	4327	4294	4260	4329	4549	4657	4712	4782	5006	5851	6721	7217	7400	7317	7436	7490	7531	7408	7412	7526	7484	7527	7528	7474	7519	7529	7260	7205	7117	7072	6951	7433	7439	7321	7342	7344	7245	7063	6903	6399				
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	0	0	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	GT01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	0	0	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	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	0	0	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	0	0	0	
Total 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	0	0	0
BSIA	HY01	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11		
CEND	HY01	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	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	10	10
CEND	HY03	9	10	9	9	9	9	10	9	10	9	9	10	10	10	10	10	10	10	10	10	9	9	10	10	9	9	10	9	10	9	10	9	10	9	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
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	0	0	0	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	HY03	37	37	38	37	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	
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	-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	58	57	56	53	59	59	57	48	63	62	57	55	71	65	67	63	67	61	56	61	56	59	63	58	57	62	63	60	101	100	98	100	100	100	98	63	63	58	60	100	97	98	58	59	59	67	60	60	60	60		
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	0	0	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
LPIA	HY01	11	10	10	10	11	11	10	12	12	11	11	12	12	12	12	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	
MNOR	HY01	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4	4	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
PGAU	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PGAU	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	19	111	113	112	108	112	112	113	111	81	82	114	11																								

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																										
Total Co-Gen	84	86	84	83	85	86	84	86	86	86	84	85	86	86	86	85	84	85	83	84	87	83	85	81	83	83	84	83	84	84	85	84	83	83	85	83	82	84	83	84	84	84	83	82	83	84	84			
Total Gen	11524	11115	10986	10624	10287	10214	10191	10052	9974	9967	9928	9992	10346	10740	10664	10887	11164	12036	12980	13497	13916	14219	14487	14603	14503	14264	14240	14387	14767	14952	14997	14995	15046	15052	14555	14110	13464	13376	13343	14060	14294	14192	14121	13841	13490	13308	13162	12652		
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	0	
TIE-HVDC	30	30	30	-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	-4	19	96	41	-51	-10	46	43	-71	-12	25	44	-51	6	2	56	15	-55	18	21	22	49	-1	-16	48	12	1	-21	35	-72	1	13	45	-8	-20	11	-106	-16	-47	-11	-40	67	6	89	2	15	13	-47		
Interconnection	26	49	126	12	-80	-39	17	14	-100	-41	-4	15	-80	-23	-27	27	-14	-84	-11	-8	-7	20	-30	-45	19	-17	-28	-50	6	-101	-28	-16	16	-37	-49	-18	-135	-45	-76	-40	-69	38	-23	60	-27	-14	-16	-76		
<b>System Total</b>	<b>11498</b>	<b>11066</b>	<b>10860</b>	<b>10612</b>	<b>10367</b>	<b>10253</b>	<b>10174</b>	<b>10038</b>	<b>10074</b>	<b>10008</b>	<b>9932</b>	<b>9977</b>	<b>10426</b>	<b>10763</b>	<b>10691</b>	<b>10860</b>	<b>11178</b>	<b>12120</b>	<b>12991</b>	<b>13505</b>	<b>13923</b>	<b>14199</b>	<b>14487</b>	<b>14648</b>	<b>14484</b>	<b>14281</b>	<b>14268</b>	<b>14437</b>	<b>14761</b>	<b>15053</b>	<b>15025</b>	<b>15011</b>	<b>15030</b>	<b>15089</b>	<b>14604</b>	<b>14128</b>	<b>13599</b>	<b>13421</b>	<b>13419</b>	<b>14100</b>	<b>14363</b>	<b>14154</b>	<b>14144</b>	<b>13781</b>	<b>13517</b>	<b>13322</b>	<b>13178</b>	<b>12728</b>		
SRev ST-Coal	4	5	19	6	170	180	221	483	460	459	461	461	278	187	30	24	14	26	15	16	25	18	19	19	19	29	7	14	7	27	10	21	18	14	15	18	20	7	13	20	10	14	24	21	20	26	15			
SRev ST-Oil	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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 CCGT-Gas	665	1046	1208	1578	1761	1825	1865	2025	1753	1786	1870	1801	1781	1673	1618	1638	1634	974	649	443	260	363	244	190	194	317	313	199	241	198	197	251	206	196	465	500	488	533	654	172	166	284	263	261	360	332	282	786		
SRev OCGT-Gas	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	45	73	8	25	136	134	130	19	30	2	87	83	87	269	0	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	
Syncon	726	726	726	726	726	575	726	726	726	726	575	726	726	575	575	575	575	424	575	575	575	575	575	575	575	575	575	575	575	575	575	575	424	424	424	424	424	424	726	726	726	575	575	575	726	726	726	726		
Hydro	124	68	69	73	65	65	197	78	59	61	67	68	86	135	55	59	99	252	151	139	253	197	182	172	276	283	303	297	178	218	271	282	268	270	197	192	119	159	236	244	245	204	202	167	92	94	75	92		
<b>S.Reserve Total</b>	<b>1519</b>	<b>1845</b>	<b>2022</b>	<b>2383</b>	<b>2722</b>	<b>2796</b>	<b>2817</b>	<b>3048</b>	<b>3021</b>	<b>3033</b>	<b>3122</b>	<b>3056</b>	<b>2903</b>	<b>2510</b>	<b>2586</b>	<b>2453</b>	<b>2483</b>	<b>1795</b>	<b>1401</b>	<b>1172</b>	<b>1104</b>	<b>1054</b>	<b>1092</b>	<b>948</b>	<b>1089</b>	<b>1330</b>	<b>1354</b>	<b>1208</b>	<b>1027</b>	<b>1028</b>	<b>921</b>	<b>1054</b>	<b>1002</b>	<b>995</b>	<b>1369</b>	<b>1131</b>	<b>1351</b>	<b>1438</b>	<b>1623</b>	<b>1155</b>	<b>1006</b>	<b>1073</b>	<b>1054</b>	<b>1203</b>	<b>1199</b>	<b>1172</b>	<b>1109</b>	<b>1619</b>		