

**Availability At Daily Maximum Demand Hour**

ST-Coal	2,070	MW
ST-Gas	0	MW
ST-Oil	70	MW
Gas	4,100	MW
Hydro	1,595	MW
Distillate	0	MW
<b>Total TNB</b>	<b>7,835</b>	<b>MW</b>
<b>Total IPP</b>	<b>10,201</b>	<b>MW</b>
<b>Total Co-Gen</b>	<b>83</b>	<b>MW</b>
<b>System Total</b>	<b>18,119</b>	<b>MW</b>

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

At Daily Maximum Demand Hour : 16:00

TNB Generation	7,269	MW
IPP Generation	9,140	MW
Total Set On Bus	17,260	MW
Maximum Demand	16,517	MW
Spinning Reserve	768	MW
Net Energy	338,149	MWH
Load Factor	85.3	%

**Maximum Demand Record**

Date :	13/05/2013	16,562.0 MW
Date :	14/05/2013	344,423.0 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	13142	12414	11953	11602	11299	11058	11462	11294	12046	13938	14963	15670	15638	15535	16068	16303	16517	16089	14873	14415	15539	15483	15155	14672

**Gas Usage**

Station	(mmscfd)
CBPS	105
GLGR	57
PAKA	166
PGGS	19
PGPS	52
SRDG	77
TJGS	117
<b>TNB Total</b>	<b>594</b>
KLPP	117
MPSS	55
PDPS	63
PGLA	116
PKLG	88
PLPS	108
PTEK	53
SGB3	52
SGRJ	188
YPGS	33
YPKA	68
<b>IPP Total</b>	<b>942</b>
<b>Total Gas</b>	<b>1,536</b>
<b>Total Gas Required :</b>	<b>1,536</b>
<b>Gas Calorific Value :</b>	<b>38,500</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	49,641.00	14.68 %
Gas	70,355.00	20.81 %
Hydro	15,197.00	4.49 %
<b>Total TNB</b>	<b>135,193.0</b>	<b>39.98 %</b>
ST-Coal	86,394.0	25.55 %
ST-Gas	5,488.0	1.62 %
Gas	109,410.0	32.36 %
<b>Total IPP</b>	<b>201,292.0</b>	<b>59.53 %</b>
Co-Gen	2,249.0	0.67 %
<b>Total Co-Gen</b>	<b>2,249.0</b>	<b>0.67 %</b>
<b>Total Generation</b>	<b>338,734.0</b>	<b>100.17 %</b>
PLTG	-54.0	-0.02 %
HVDC	639.0	0.19 %
<b>Interconnection</b>	<b>585.0</b>	<b>0.17 %</b>
<b>Net Energy</b>	<b>338,149.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	393
Hydro	148
Syncon	193
Thermal	195
<b>Total</b>	<b>929</b>

**Weather Temperature**

Weather	Temperature
Morning	Sunny 27
Afternoon	Hot 33



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			
SGRI	GT12	131	133	141	141	112	127	113	113	60	60	60	61	61	110	110	110	139	140	140	140	140	140	140	140	141	141	
SGRI	GT13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SGRI	ST14	141	142	151	149	129	139	131	128	89	90	91	89	89	87	134	130	132	152	147	147	148	148	147	146	146	146	
SGRI	GT21	123	130	134	134	111	119	107	107	119	109	103	107	116	106	107	107	107	131	133	133	132	132	132	132	132	132	
SGRI	GT22	128	135	134	134	114	124	113	110	125	110	63	63	60	110	111	111	110	136	135	135	135	135	135	133	133	133	
SGRI	GT23	126	130	131	131	111	122	111	108	121	110	59	59	58	105	108	108	108	133	132	132	132	132	132	131	131	131	
SGRI	ST24	209	219	222	222	208	208	194	199	202	193	152	159	165	199	196	196	195	218	216	216	216	217	215	218	218	216	
YPGS	GT11	123	123	124	121	125	124	123	122	124	124	124	124	124	124	124	124	125	124	123	123	123	123	123	123	123	123	
YPGS	ST10	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	
YPKA	BLK1	194	194	185	185	188	188	189	189	187	187	186	186	189	189	189	189	189	186	186	186	186	184	184	185	185	185	
YPKA	BLK2	189	189	195	195	197	197	198	198	197	197	196	196	199	199	198	198	199	199	196	196	196	196	192	192	194	194	
PLPS	GT11	130	136	135	135	96	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	
PLPS	GT12	133	140	142	142	116	70	70	70	70	70	70	70	68	68	68	68	68	68	68	68	68	68	68	68	68	68	
PLPS	GT13	124	133	132	138	110	63	63	63	64	62	63	63	65	63	63	111	138	139	124	138	131	139	121	137	126	130	
PLPS	ST18	210	205	210	210	195	149	146	146	146	145	148	148	148	145	148	186	213	212	205	212	209	212	212	207	212	206	
TJGS	GT1A	221	221	221	221	211	216	208	219	189	216	200	223	221	184	186	212	216	219	207	220	218	218	218	217	217	217	
TJGS	GT1B	219	219	219	222	217	211	215	206	215	182	217	191	218	218	176	179	216	212	210	203	215	214	217	217	217	217	
TJGS	ST1C	256	256	256	256	244	244	255	236	254	232	250	236	248	254	227	219	237	240	256	243	250	254	254	254	254	254	
Total CCGT-Gas		6547	6534	6304	6198	5810	5726	5586	5465	5286	5153	5004	5046	5146	5268	5263	5255	5792	6616	6774	6730	6836	6825	6828	6814	6733	6793	
CBPS	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	
CBPS	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	
CBPS	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	
CBPS	GT06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PDPS	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	
PDPS	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	
PDPS	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	
PDPS	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	
PGGG	GT6A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PGGG	GT6B	0	0	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	GT08	100	0	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	0	
PTEK	GT1A	0	0	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	0	
PTEK	GT2A	0	0	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	48	0	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	
SRDG	GT03	123	0	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	
TJGS	GT2B	0	0	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		271	0	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	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	
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	0	
CEND	HY01	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
CEND	HY02	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
CEND	HY03	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
CEND	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	
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	
KNRG	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	0	
KNRG	HY03	21	22	22	23	22	21	22	22	23	22	21	24	24	21	21	22	22	22	22	21	23	36	36	36	36	36	36

