

**Availability At Daily Maximum Demand Hour**

ST-Coal	2,070 MW
ST-Gas	0 MW
ST-Oil	140 MW
Gas	3,416 MW
Hydro	1,733 MW
Distillate	95 MW
<b>Total TNB</b>	<b>7,454 MW</b>
<b>Total IPP</b>	<b>10,260 MW</b>
<b>Total Co-Gen</b>	<b>86 MW</b>
<b>System Total</b>	<b>17,800 MW</b>

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

At Daily Maximum Demand Hour : 14:30	
TNB Generation	5,893 MW
IPP Generation	9,589 MW
Total Set On Bus	16,465 MW
Maximum Demand	15,652 MW
Spinning Reserve	897 MW
Net Energy	323,545 MWH
Load Factor	86.1 %

**Maximum Demand Record**

Date :	19/03/2013	16,133.0 MW
Date :	20/03/2013	333,019.0 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	12891	12164	11799	11488	11000	11036	11305	11716	12073	13746	14530	15097	15148	14824	15335	15410	15531	15086	14023	13999	14505	14378	13747	13176

**Gas Usage**

Station	(mmscfd)
CBPS	51
GLGR	57
PAKA	116
PGPS	24
SRDG	66
TJGS	108
<b>TNB Total</b>	<b>422</b>
KLPP	105
MPSS	57
PDPS	25
PGLA	76
PKLG	15
PLPS	105
PTEK	17
SGRI	207
SKSP	35
YPGS	69
YPKA	69
<b>IPP Total</b>	<b>779</b>
<b>Total Gas</b>	<b>1,201</b>

Total Gas Required : 1,404  
Gas Calorific Value : 38,500

**Alternate Fuel Usage**

Station	(mmscfd)
PDPS	4
PGLA	33
PGPS	29
PKLG	132
PTEK	5
<b>Total</b>	<b>203</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	49,635.00	15.34 %
ST-Oil	1,305.00	0.40 %
Gas	50,811.00	15.70 %
Hydro	16,388.00	5.07 %
Distillate	1,839.00	0.57 %
<b>Total TNB</b>	<b>119,978.0</b>	<b>37.08 %</b>
ST-Coal	84,683.0	26.17 %
ST-Oil	12,960.0	4.01 %
Gas	98,989.0	30.60 %
Distillate	5,246.0	1.62 %
<b>Total IPP</b>	<b>201,878.0</b>	<b>62.40 %</b>
Co-Gen	2,133.0	0.66 %
<b>Total Co-Gen</b>	<b>2,133.0</b>	<b>0.66 %</b>
<b>Total Generation</b>	<b>323,989.0</b>	<b>100.14 %</b>
PLTG	-277.0	-0.09 %
HVDC	721.0	0.22 %
<b>Interconnection</b>	<b>444.0</b>	<b>0.14 %</b>
<b>Net Energy</b>	<b>323,545.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	260
Hydro	163
Syncon	411
Thermal	18
<b>Total</b>	<b>852</b>

**Weather Temperature**

	Weather	Temperature
Morning	Sunny	24
Afternoon	Cloudy	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	
SGRI	GT23	136	136	136	79	60	60	58	58	58	58	58	58	58	137	138	138	138	138	138	134	134	134	134	138	138
SGRI	ST24	217	221	219	184	142	138	141	139	142	143	138	141	141	137	139	202	221	218	221	215	216	217	216	221	220
YPGS	GT11	125	126	128	126	125	127	127	128	127	129	128	128	128	127	128	128	129	126	129	127	127	126	126	126	126
YPGS	GT12	131	132	133	131	130	131	133	133	132	132	131	132	132	131	131	131	133	131	131	133	131	131	131	131	131
YPKA	BLK1	199	199	199	199	198	198	199	199	199	199	199	199	199	199	199	199	195	195	193	193	192	192	191	191	191
YPKA	BLK2	193	193	193	193	193	193	193	193	194	194	193	193	193	193	193	194	194	193	193	193	193	193	193	193	193
PLPS	GT11	130	106	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64
PLPS	GT12	149	124	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73
PLPS	GT13	144	111	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63
PLPS	ST18	198	198	157	157	157	157	157	157	157	157	157	157	157	157	157	157	157	157	157	157	157	157	157	157	157
SKSP	BLK1	121	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	GT1A	149	175	151	207	207	225	222	204	119	130	154	156	172	232	229	170	220	220	220	220	220	220	220	220	220
TJGS	GT1B	139	161	139	193	197	212	211	189	113	118	141	140	159	220	220	220	220	220	220	220	220	220	220	220	221
TJGS	ST1C	183	196	185	224	216	252	232	244	171	174	173	177	199	246	254	206	230	230	230	230	230	230	230	230	230
Total CCGT-Gas		5824	5598	5115	4886	4660	4560	4639	4642	4209	4226	4299	4324	4411	4661	4838	4642	5066	5890	6106	6175	6325	6470	6441	6445	6483
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
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
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
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
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
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
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
PTEK	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
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
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	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
BSIA	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
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	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
CEND	HY03	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
KNRG	HY01	21	22	18	21	24	20	20	22	22	25	18	23	25	24	24	25	24	23	23	24	22	21	21	23	24
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
KNRG	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	HY01	97	101	81	100	102	97	100	81	96	102	101	98	103	102	103	98	102	98	102	103	95	102	102	100	96
KNYR	HY02	100	100	98	100	101	100	99	99	100	100	100	100	102	100	102	101	100	101	100	100	100	99	101	100	101
KNYR	HY03	100	100	98	100	101	100	99	99	100	100	100	100	102	99	102	101	100	100	100	100	99	101	100	101	100
KNYR	HY04	100	101	92	96	85	98	95	89	95	100	100	101	103	97	103	85	83	93	94	102	99	101	102	98	96
LPIA	HY01	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
MNOR	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
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
PGAU	HY02	-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	HY03	-1	-1	-1	-1	24	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1

