

**Availability At Daily Maximum Demand Hour**

ST-Coal	2,070 MW
ST-Gas	0 MW
ST-Oil	70 MW
Gas	3,205 MW
Hydro	1,700 MW
Distillate	790 MW
<b>Total TNB</b>	<b>7.835 MW</b>
<b>Total IPP</b>	<b>10,107 MW</b>
<b>Total Co-Gen</b>	<b>77 MW</b>
<b>System Total</b>	<b>18,019 MW</b>

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

At Daily Maximum Demand Hour : 14:30

TNB Generation	6,716 MW
IPP Generation	9,073 MW
Total Set On Bus	16,825 MW
Maximum Demand	15,919 MW
Spinning Reserve	959 MW
Net Energy	329,147 MWH
Load Factor	86.2 %

**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	13357	12582	12248	11815	11471	11362	11313	11272	12011	13670	14562	15441	15444	15149	15792	15853	15629	15235	14061	13897	14690	14510	13957	13523

**Gas Usage**

Station	(mmscfd)
CBPS	49
GLGR	58
PAKA	195
PGGS	0
SRDG	4
TJGS	100
<b>TNB Total</b>	<b>406</b>
KLPP	34
MPSS	28
PGLA	98
PKLG	3
PLPS	67
SGB3	27
SGRI	70
SKSP	37
YPGS	70
YPKA	132
<b>IPP Total</b>	<b>565</b>
<b>Total Gas</b>	<b>971</b>

Total Gas Required : 1,493  
Gas Calorific Value : 38,500

**Alternate Fuel Usage**

Station	(mmscfd)
CBPS	13
KLPP	73
MPSS	28
PDPS	41
PGGS	4
PGPS	49
PKLG	66
PLPS	48
PTEK	20
SGB3	36
SGRI	107
SRDG	37
<b>Total</b>	<b>522</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	49,613.00	15.07 %
Gas	51,085.00	15.52 %
Hydro	17,905.00	5.44 %
Distillate	11,279.00	3.43 %
<b>Total TNB</b>	<b>129,882.0</b>	<b>39.46 %</b>
ST-Coal	73,383.0	22.29 %
ST-Oil	6,481.0	1.97 %
Gas	74,803.0	22.73 %
Distillate	41,910.0	12.73 %
<b>Total IPP</b>	<b>196,577.0</b>	<b>59.72 %</b>
Co-Gen	2,139.0	0.65 %
<b>Total Co-Gen</b>	<b>2,139.0</b>	<b>0.65 %</b>
<b>Total Generation</b>	<b>328,598.0</b>	<b>99.83 %</b>
PLTG	147.0	0.04 %
HVDC	-696.0	-0.21 %
<b>Interconnection</b>	<b>-549.0</b>	<b>-0.17 %</b>
<b>Net Energy</b>	<b>329,147.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	304
Hydro	204
Syncon	284
Thermal	185
<b>Total</b>	<b>977</b>

**Weather Temperature**

Weather	Temperature
Morning	Sunny 25
Afternoon	Hot 35



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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PLPS	GT12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PLPS	GT13	0	0	0	0	63	65	62	63	63	62	63	64	65	63	62	144	144	141	139	139	140	140	140	140	140
PLPS	ST18	0	0	0	0	177	173	174	174	174	174	175	176	181	174	175	168	197	202	201	201	200	198	199	199	199
SKSP	BLK1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	277	331	326	327	331	328	328	325	327
TJGS	GT1A	228	193	218	218	213	155	122	112	113	128	129	111	145	106	140	219	169	191	196	175	218	217	222	218	220
TJGS	GT1B	221	187	212	216	204	147	117	105	105	125	121	102	101	138	99	135	217	168	186	192	171	216	210	216	216
TJGS	ST1C	254	217	230	242	242	204	179	155	162	154	174	158	163	176	168	167	232	220	207	228	220	248	245	252	256
Total CCGT-Gas		4710	4364	4237	4260	4066	4079	3985	3851	3810	3757	3761	3718	3721	3813	3711	3801	4334	5500	5992	6038	5972	6081	6079	6088	6291
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
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
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	HY02	24	23	23	23	23	23	23	23	23	23	23	23	23	12	12	11	12	20	20	20	21	20	21	20	20
BSIA	HY03	24	24	23	23	23	23	23	23	23	23	23	23	23	11	11	8	9	20	20	21	21	21	21	21	21
CEND	HY01	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	10	10	10	10	10	9	10	8	8	8
CEND	HY02	9	8	8	8	8	9	8	8	8	8	8	8	8	8	8	9	9	9	9	9	9	9	9	9	9
CEND	HY03	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	9	9	9	9	9	9	9	9	9	9
CEND	HY04	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
KNRG	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	19	25	25	26	24	23	22	23
KNRG	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23	22	23	23	23	23	23	23	23
KNRG	HY03	24	23	22	23	22	23	22	23	21	22	22	23	23	23	23	20	22	21	21	23	23	22	22	22	22
KNYR	HY01	101	101	101	101	101	101	89	95	101	86	88	100	96	96	101	59	80	68	61	101	101	101	101	101	101
KNYR	HY02	101	100	100	100	99	100	99	100	100	99	99	99	101	100	100	68	60	99	99	102	102	102	101	101	100
KNYR	HY03	100	99	100	99	100	99	100	100	100	100	100	100	100	100	59	60	100	99	100	99	100	99	99	99	100
KNYR	HY04	99	99	99	99	99	99	99	99	100	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99
LPIA	HY01	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	18	18	18	18	18
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	-1	-1	-1	-1	-1	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PGAU	HY02	-1	-1	-1	0	-1	-1	-1	-1	19	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY03	0	0	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	20	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
SYPS	HY01	25	25	25	25	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY02	25	25	25	25	25	25	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	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TMGR	HY01	39	35	32	32	28	34	32	29	31	32	29	28	30	36	32	35	36	20	29	55	52	67	82	82	82
TMGR	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
TMGR	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
TMGR	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
UPIA	HY01	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		616	607	603	603	623	631	628	537	547	574	533	535	550	554	549	555	536	397	429	750	725	885	1069	1160	
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
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
KLPP	GT14	126	125	126	124	124	125	124	125	124	126	126	126	101	101	102	102	102	125	125	124	124	125	123	124	124
KLPP	GT15	134	135	134	135	136	135	135	135	136	135	134	134	112	113	114	112	113	134	134	134	132	134	133	133	133
KLPP	ST17	0	0	0	0	0	0	117	121	120	120	122	113	117	117	123	127	187	192	197	219	220	220	220	0	0
MPSS	GT02	117	118	119	118	88	73	73	74	74	74	73	73	72	74	75	73	79	119	114	116	116	116	114	114	114
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

