

**Availability At Daily Maximum Demand Hour**

ST-Coal	2,070 MW
ST-Gas	0 MW
ST-Oil	70 MW
Gas	4,209 MW
Hydro	1,548 MW
Distillate	0 MW
<b>Total TNB</b>	<b>7.897 MW</b>
<b>Total IPP</b>	<b>10,045 MW</b>
<b>Total Co-Gen</b>	<b>68 MW</b>
<b>System Total</b>	<b>18,010 MW</b>

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

At Daily Maximum Demand Hour : 15:00		
TNB Generation	7,002 MW	
IPP Generation	9,166 MW	
Total Set On Bus	17,262 MW	
Maximum Demand	16,292 MW	
Spinning Reserve	1,026 MW	
Net Energy	342,115 MWH	
Load Factor	87.5 %	

**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	13838	13298	12945	12515	12123	12017	11973	11833	12365	14162	15080	15693	15691	15340	16026	16292	16268	15927	14622	14199	15251	15221	14861	14331

**Gas Usage**

Station	(mmscfd)
CBPS	107
GLGR	59
PAKA	192
PGGS	22
PGPS	53
SRDG	81
TJGS	121
<b>TNB Total</b>	<b>634</b>
KLPP	114
MPSS	56
PDPS	62
PGLA	113
PKLG	36
PLPS	118
PTEK	53
SGB3	36
SGRI	198
YPGS	33
YPKA	127
<b>IPP Total</b>	<b>948</b>
<b>Total Gas</b>	<b>1,582</b>

**Total Gas Required : 1,589**
**Gas Calorific Value : 38.500**
**Alternate Fuel Usage**

Station	(mmscfd)
SGRI	7
<b>Total</b>	<b>7</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	49,309.00	14.41 %
Gas	74,760.00	21.85 %
Hydro	10,696.00	3.13 %
<b>Total TNB</b>	<b>134,765.0</b>	<b>39.39 %</b>
ST-Coal	86,245.0	25.21 %
ST-Gas	35.0	0.01 %
Gas	117,710.0	34.41 %
Distillate	972.0	0.28 %
<b>Total IPP</b>	<b>204,962.0</b>	<b>59.91 %</b>
Co-Gen	1,918.0	0.56 %
<b>Total Co-Gen</b>	<b>1,918.0</b>	<b>0.56 %</b>
<b>Total Generation</b>	<b>341,645.0</b>	<b>99.86 %</b>
PLTG	213.0	0.06 %
HVDC	-683.0	-0.20 %
<b>Interconnection</b>	<b>-470.0</b>	<b>-0.14 %</b>
<b>Net Energy</b>	<b>342,115.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	309
Hydro	148
Syncon	248
Thermal	183
<b>Total</b>	<b>887</b>

	Weather	Temperature
Morning	Sunny	28
Afternoon	Hot	32





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
MNOR	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
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
PGAU	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
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
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
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
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
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
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
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
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
TMGR	HY04	34	31	36	37	33	33	47	40	39	38	42	37	41	37	38	40	41	42	76	73	38	79	78	78
UPIA	HY01	0	0	0	0	0	0	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
UPIA	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
<b>Total Hydro</b>		190	186	151	163	167	166	186	176	220	180	184	176	182	200	179	182	184	227	554	569	484	655	1002	935
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
<b>Total Distillate</b>		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PCUF	CUFG	48	48	48	48	50	49	49	49	50	51	51	51	51	52	52	52	51	53	50	51	50	49	48	48
PCUF	CUFK	25	27	26	26	26	29	27	28	28	28	29	28	28	30	30	31	29	29	27	26	23	22	22	21
<b>Total Co-Gen</b>		73	75	74	74	76	78	76	77	78	79	80	79	79	82	82	83	80	82	77	77	73	72	71	69
<b>Total Gen</b>		13834	13532	13185	13009	12889	12484	12423	12114	12073	11913	12024	11972	11949	12106	11846	11857	12341	13347	14155	14650	15075	15273	15727	15736
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
TIE-HVDC		-28	-29	-30	-30	-29	-29	-29	-29	-28	-28	0	-29	-28	-28	-29	-29	-29	-29	-30	-30	-28	-28	-29	-29
TIE-PLTG		24	28	-83	-85	-27	-27	-63	-26	-22	-25	7	108	4	98	42	48	5	-14	23	58	23	-79	63	31
<b>Interconnection</b>		-4	-1	-113	-115	-56	-56	-92	-85	-50	-53	7	79	-24	70	13	19	-24	-43	-7	28	-5	-107	34	2
<b>System Total</b>		13838	13533	13298	13124	12945	12540	12515	12169	12123	11966	12017	11893	11973	12036	11833	11838	12365	13390	14162	14622	15080	15380	15693	15734
SRev ST-Coal		214	217	219	220	217	208	216	223	216	216	471	464	451	408	281	284	282	218	222	215	213	208	213	217
SRev ST-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
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
SRev CCGT-Gas		217	217	190	245	313	675	743	1036	1133	1249	880	933	1123	1029	1399	1422	941	142	191	351	164	199	194	201
SRev OCGT-Gas		30	115	101	0	0	0	0	0	0	0	0	0	0	0	33	252	74	98	97	181	131	280	215	91
SRev Distillate		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 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
Syncon		580	474	474	474	474	474	474	474	323	580	580	580	580	429	580	580	580	580	237	237	388	388	151	151
Hydro		113	118	109	119	115	116	96	106	318	106	102	110	104	237	112	109	107	64	80	267	116	35	151	218
<b>S.Reserve Total</b>		1154	1246	1198	1058	1119	1473	1529	1839	1990	2151	2033	2087	2258	2105	2372	2395	1910	1037	982	1154	989	932	895	923