

**Availability At Daily Maximum Demand Hour**

ST-Coal	1,380 MW
ST-Gas	70 MW
ST-Oil	0 MW
Gas	3,361 MW
Hydro	1,854 MW
Distillate	350 MW
<b>Total TNB</b>	<b>7,015 MW</b>
<b>Total IPP</b>	<b>12,178 MW</b>
<b>Total Co-Gen</b>	<b>80 MW</b>
<b>System Total</b>	<b>19,273 MW</b>

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

At Daily Maximum Demand Hour : 16:00	
TNB Generation	4,670 MW
IPP Generation	10,699 MW
Total Set On Bus	16,453 MW
Maximum Demand	15,392 MW
Spinning Reserve	1,004 MW
Net Energy	319,173 MWH
Load Factor	86.4 %

**Maximum Demand Record**

Date :	13/05/2013	16,562.0MW
Date :	25/06/2013	345,254.0MWH

**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	12411	12013	11418	11192	10960	10767	10883	10928	11342	13167	14082	14832	14833	14510	15076	15312	15392	15089	13875	13460	14616	14459	13956	13788

**Gas Usage**

Station	(mmscfd)
CBPS	29
GLGR	32
PAKA	101
PGPS	25
TJGS	103
<b>TNB Total</b>	<b>291</b>
KLPP	77
MPSS	59
PGLA	93
PLPS	112
SGB3	37
SGRI	138
SKSP	56
YPKA	132
<b>IPP Total</b>	<b>705</b>
<b>Total Gas</b>	<b>997</b>

Total Gas Required : 1,298  
Gas Calorific Value : 38.500

**Alternate Fuel Usage**

Station	(mmscfd)
CBPS	13
KLPP	25
PDPS	12
PGPS	15
PKLG	95
PTEK	29
SGB3	45
SGRI	43
SRDG	18
TJGS	7
<b>Total</b>	<b>302</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	25,893.00	8.11 %
Gas	38,719.00	12.13 %
Hydro	15,938.00	4.99 %
Distillate	4,977.00	1.56 %
<b>Total TNB</b>	<b>85,527.0</b>	<b>26.80 %</b>
ST-Coal	114,200.0	35.78 %
ST-Gas	46.0	0.01 %
ST-Oil	9,356.0	2.93 %
Gas	92,045.0	28.84 %
Distillate	17,543.0	5.50 %
<b>Total IPP</b>	<b>233,190.0</b>	<b>73.06 %</b>
Co-Gen	2,189.0	0.69 %
<b>Total Co-Gen</b>	<b>2,189.0</b>	<b>0.69 %</b>
<b>Total Generation</b>	<b>320,906.0</b>	<b>100.54 %</b>
PLTG	-83.0	-0.03 %
HVDC	1,816.0	0.57 %
<b>Interconnection</b>	<b>1,733.0</b>	<b>0.54 %</b>
<b>Net Energy</b>	<b>319,173.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	262
Hydro	143
Syncon	405
Thermal	185
<b>Total</b>	<b>995</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
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
SGB3	GT31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SGB3	GT32	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	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
SGRI	GT23	58	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
TJGS	GT1A	187	187	190	190	104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TJGS	GT1B	186	186	189	187	106	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TJGS	ST1C	194	194	194	194	136	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Distillate		751	583	573	571	346	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PCUF	CUFG	55	54	55	52	51	55	54	54	53	52	53	54	53	53	52	53	52	51	54	55	51	53	52	50
PCUF	CUFK	24	24	34	34	34	34	35	34	35	34	34	34	35	33	32	32	31	31	28	28	31	30	30	29
Total Co-Gen		79	78	89	86	85	89	89	88	88	86	87	88	88	86	87	87	86	86	86	85	83	83	84	82
Total Gen		12425	12253	11981	11750	11494	11472	11234	11004	11000	10803	10819	10936	10905	10973	11048	10964	11370	12524	13166	13677	14160	14500	14887	15001
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		30	30	29	29	29	29	31	29	29	29	32	29	29	29	31	29	30	30	30	31	31	31	29	29
TIE-PLTG		-16	-63	-61	6	47	8	13	-18	11	-31	23	-13	-7	-85	91	11	-3	-11	-31	66	48	9	24	-52
Interconnection		14	-33	-32	35	76	37	42	13	40	-2	52	19	22	-56	120	40	28	18	-1	96	78	39	55	-21
System Total		12411	12286	12013	11715	11418	11435	11192	10991	10960	10805	10767	10917	10883	11029	10928	10924	11342	12506	13167	13581	14082	14461	14832	15022
SRev ST-Coal		217	215	218	218	215	215	217	247	222	214	221	215	210	213	220	216	209	243	236	244	235	182	180	148
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		29	18	38	16	14	10	10	9	9	12	13	13	15	14	14	15	12	10	10	10	10	11	10	9
SRev CCGT-Gas		405	336	320	226	224	330	553	922	889	1100	1046	1044	1100	1065	1086	1017	946	505	564	362	193	123	95	125
SRev 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
SRev Distillate		109	137	7	9	234	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		388	539	625	625	474	625	625	474	625	625	625	625	625	474	625	625	474	474	539	539	539	539	539	625
Hydro		173	111	107	136	179	118	122	101	133	131	156	122	140	95	140	151	169	173	179	156	232	171	77	64
S.Reserve Total		1321	1356	1315	1230	1340	1298	1527	1753	1878	2082	2061	2019	2090	2012	1934	2024	2176	1769	1634	1464	1386	1190	1068	1052