

**Availability At Daily Maximum Demand Hour**

ST-Coal	2,070 MW
ST-Gas	0 MW
ST-Oil	140 MW
Gas	3,070 MW
Hydro	1,780 MW
Distillate	890 MW
<b>Total TNB</b>	<b>7,950 MW</b>
<b>Total IPP</b>	<b>10,978 MW</b>
<b>Total Co-Gen</b>	<b>89 MW</b>
<b>System Total</b>	<b>19,017 MW</b>

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

At Daily Maximum Demand Hour : 14:30	
TNB Generation	6,366 MW
IPP Generation	9,126 MW
Total Set On Bus	16,564 MW
Maximum Demand	15,601 MW
Spinning Reserve	983 MW
Net Energy	324,901 MWH
Load Factor	86.8 %

**Maximum Demand Record**

Date :	20/06/2012	15,826.0 MW
Date :	20/06/2012	328,716.0 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	12989	12416	11921	11491	11263	11069	11260	11370	11777	13428	14398	14859	15095	14698	15246	15589	15476	15085	13939	13711	14843	14838	14289	13716

**Gas Usage**

Station	(mmscfd)
CBPS	50
GLGR	60
PAKA	185
PGPS	2
TJGS	107
<b>TNB Total</b>	<b>404</b>
KLPP	42
MPSS	57
PGLA	54
PLPS	88
SGRI	95
SKSP	55
YPGS	34
YPKA	105
<b>IPP Total</b>	<b>531</b>
<b>Total Gas</b>	<b>935</b>

Total Gas Required : 1,354  
Gas Calorific Value : 38.500

**Alternate Fuel Usage**

Station	(mmscfd)
KLPP	54
PDPS	14
PGLA	54
PGPS	42
PKLG	118
PLPS	17
PTEK	16
SGRI	75
SRDG	29
<b>Total</b>	<b>418</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	49,607.00	15.27 %
Gas	53,363.00	16.42 %
Hydro	18,480.00	5.69 %
Distillate	5,664.00	1.74 %
<b>Total TNB</b>	<b>127,114.0</b>	<b>39.12 %</b>
ST-Coal	85,537.0	26.33 %
ST-Gas	1,574.0	0.48 %
ST-Oil	11,571.0	3.56 %
Gas	69,649.0	21.44 %
Distillate	28,100.0	8.65 %
<b>Total IPP</b>	<b>196,431.0</b>	<b>60.46 %</b>
Co-Gen	2,244.0	0.69 %
<b>Total Co-Gen</b>	<b>2,244.0</b>	<b>0.69 %</b>
<b>Total Generation</b>	<b>325,789.0</b>	<b>100.27 %</b>
PLTG	167.0	0.05 %
HVDC	721.0	0.22 %
<b>Interconnection</b>	<b>888.0</b>	<b>0.27 %</b>
<b>Net Energy</b>	<b>324,901.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	444
Hydro	290
Syncon	195
Thermal	4
<b>Total</b>	<b>933</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
PDP5	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
PDP5	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
PDP5	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
PGLA	GT12	222	225	222	222	222	185	164	165	166	166	165	165	167	164	165	165	205	223	221	221	219	219	221	219
PGPS	GT3A	90	90	90	90	43	0	0	0	0	0	0	0	0	0	0	91	93	91	90	89	89	89	89	89
PGPS	GT3B	90	88	90	89	91	84	82	82	84	82	83	83	81	83	83	82	82	83	83	90	92	89	90	88
PGPS	ST3C	85	85	85	85	41	38	37	37	38	37	38	37	37	37	37	0	87	87	87	87	86	87	86	86
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
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
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
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
SGRI	GT11	102	58	0	0	0	0	0	0	0	0	0	0	125	128	128	128	127	127	127	127	127	127	126	126
SGRI	GT12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	47	127	127	126	126	127	127	126	126
SGRI	GT22	42	0	0	0	0	0	0	0	0	0	0	0	127	127	127	127	128	128	125	125	125	125	125	125
SRDG	GT01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27	97	96	96	96	95	94	95	93
SRDG	GT03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	120	122	122	123	121	89	89	119	91
SRDG	GT04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	130	128	96	97	126	100	87	0
SRDG	GT05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	113	125	124	130	125	125	124	124	93
PLPS	GT11	0	0	0	0	0	0	0	0	0	0	0	0	59	142	138	137	141	139	136	137	136	135	135	134
Total Distillate		893	809	682	530	397	307	283	284	288	285	286	285	320	642	664	710	796	1084	1269	1290	1594	1609	1605	1732
PCUF	CUFG	21	21	20	22	21	20	40	53	53	51	51	51	54	52	52	54	52	51	54	53	51	52	52	53
PCUF	CUFK	37	36	36	37	36	36	38	37	38	37	38	38	38	37	37	37	36	35	36	35	36	37	37	37
Total Co-Gen		58	57	56	59	57	56	76	91	90	89	88	89	92	91	90	90	89	89	88	88	88	89	89	89
Total Gen		13095	12749	12413	12211	11883	11648	11487	11417	11275	11237	11114	11368	11389	11546	11486	11465	11824	12705	13454	13936	14297	14691	14979	
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	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
TIE-PLTG		76	45	-32	-45	-68	-75	-34	59	-18	59	15	-30	69	-78	86	-23	18	1	-4	-20	-131	51	90	
Interconnection		106	75	-3	-16	-38	-45	-4	89	12	89	45	0	99	-48	116	7	47	30	26	10	-101	81	120	
System Total		12989	12674	12416	12227	11921	11693	11491	11328	11263	11148	11069	11368	11260	11594	11370	11458	11777	12675	13428	13926	14398	14610	14859	
SRev ST-Coal		-5	-10	-6	7	12	8	-2	2	-1	7	-2	1	-7	1	-5	86	-5	1	-3	-8	-24	-8	-7	
SRev ST-Oil		7	6	21	44	15	8	8	7	5	9	9	7	7	8	8	7	7	7	7	7	7	7	7	
SRev CCGT-Gas		469	567	796	952	1167	1322	1485	1586	1722	1739	1978	1870	1741	1441	1543	1517	1482	920	842	421	244	271		
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	
SRev Distillate		197	141	128	140	83	73	97	96	92	95	94	95	200	158	136	90	234	86	101	180	136	121		
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	
Syncon		625	625	625	625	625	625	474	625	625	625	625	625	625	474	625	625	625	625	474	474	237	0		
Hydro		97	99	89	90	80	83	89	223	85	89	92	94	237	92	100	217	92	89	88	85	243	207		
S.Reserve Total		1390	1528	1653	1858	1982	2119	2302	2388	2528	2564	2796	2692	2698	2367	2429	2435	2291	1875	1647	1231	1124	1087	1019	