

**Availability At Daily Maximum Demand Hour**

ST-Coal	2,070 MW
ST-Gas	0 MW
ST-Oil	70 MW
Gas	3,913 MW
Hydro	1,560 MW
Distillate	0 MW
<b>Total TNB</b>	<b>7,613 MW</b>
<b>Total IPP</b>	<b>10,537 MW</b>
<b>Total Co-Gen</b>	<b>75 MW</b>
<b>System Total</b>	<b>18,225 MW</b>

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

At Daily Maximum Demand Hour : 14:30	
TNB Generation	5,759 MW
IPP Generation	9,899 MW
Total Set On Bus	16,805 MW
Maximum Demand	15,789 MW
Spinning Reserve	1,072 MW
Net Energy	330,501 MWH
Load Factor	87.2 %

**Maximum Demand Record**

Date :	13/05/2013	16,562.0MW
Date :	14/05/2013	344,423.0MWH

**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	13368	12631	12223	11853	11427	11265	11497	11508	11994	13695	14651	15403	15313	15036	15552	15693	15771	15430	14317	13913	14814	14862	14249	13926

**Gas Usage**

Station	(mmscfd)
CBPS	57
GLGR	57
PAKA	192
SRDG	72
TJGS	107
<b>TNB Total</b>	<b>485</b>
KLPP	104
MPSS	55
PDPS	46
PGLA	111
PKLG	68
PLPS	93
PTEK	23
SGB3	60
SGRI	170
SKSP	34
YPGS	68
YPKA	131
<b>IPP Total</b>	<b>962</b>
<b>Total Gas</b>	<b>1,447</b>

Total Gas Required : 1,467  
Gas Calorific Value : 38,500

**Alternate Fuel Usage**

Station	(mmscfd)
PKLG	20
<b>Total</b>	<b>20</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	49,671.00	15.03 %
Gas	58,588.00	17.73 %
Hydro	11,093.00	3.36 %
<b>Total TNB</b>	<b>119,352.0</b>	<b>36.11 %</b>
ST-Coal	86,352.0	26.13 %
ST-Gas	3,552.0	1.07 %
ST-Oil	1,895.0	0.57 %
Gas	116,632.0	35.29 %
<b>Total IPP</b>	<b>208,431.0</b>	<b>63.07 %</b>
Co-Gen	2,063.0	0.62 %
<b>Total Co-Gen</b>	<b>2,063.0</b>	<b>0.62 %</b>
<b>Total Generation</b>	<b>329,846.0</b>	<b>99.80 %</b>
PLTG	42.0	0.01 %
HVDC	-697.0	-0.21 %
Interconnection	-655.0	-0.20 %
<b>Net Energy</b>	<b>330,501.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	243
Hydro	299
Syncon	253
Thermal	204
<b>Total</b>	<b>999</b>

	Weather	Temperature
Morning	Sunny	25
Afternoon	Hot	36





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
PGAU	HY01	0	0	0	0	0	0	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PGAU	HY03	0	0	0	0	0	24	0	0	0	0	0	0	23	-1	-1	76	23	26	82	-1	-1	-1	-1	-1
PGAU	HY04	0	0	0	0	0	23	0	-1	-1	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	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	82	82	82	-1	-1	-1	-1	-1	-1
TMGR	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	85	86	86	84	30	30	35	83	84
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	32	26	35	30	38	35	34	32	35	34	35	35	38	42	79	38	38	37	35	35	35	80	79	
UPIA	HY01	5	5	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
UPIA	HY02	0	0	0	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
<b>Total Hydro</b>		<b>530</b>	<b>515</b>	<b>528</b>	<b>455</b>	<b>505</b>	<b>435</b>	<b>363</b>	<b>295</b>	<b>252</b>	<b>228</b>	<b>218</b>	<b>229</b>	<b>246</b>	<b>250</b>	<b>444</b>	<b>420</b>	<b>403</b>	<b>446</b>	<b>361</b>	<b>386</b>	<b>551</b>	<b>622</b>	<b>752</b>	
PCUF	CUFG	53	52	51	53	53	52	51	51	53	53	55	52	54	54	54	54	52	52	52	53	110	53	52	55
PCUF	CUFK	29	29	29	29	28	29	29	29	30	29	28	30	29	28	29	27	27	23	22	24	23	23	20	24
<b>Total Co-Gen</b>		<b>82</b>	<b>81</b>	<b>80</b>	<b>82</b>	<b>81</b>	<b>81</b>	<b>80</b>	<b>80</b>	<b>82</b>	<b>83</b>	<b>84</b>	<b>80</b>	<b>84</b>	<b>83</b>	<b>84</b>	<b>84</b>	<b>83</b>	<b>80</b>	<b>81</b>	<b>79</b>	<b>80</b>	<b>133</b>	<b>75</b>	
<b>Total Gen</b>		<b>13395</b>	<b>13085</b>	<b>12563</b>	<b>12255</b>	<b>12160</b>	<b>11959</b>	<b>11785</b>	<b>11603</b>	<b>11427</b>	<b>11378</b>	<b>11212</b>	<b>11246</b>	<b>11408</b>	<b>11437</b>	<b>11571</b>	<b>11388</b>	<b>11999</b>	<b>12977</b>	<b>13693</b>	<b>14161</b>	<b>14651</b>	<b>15003</b>	<b>15325</b>	
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		-29	-29	-29	-29	-29	-29	-29	-29	-28	-28	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29
TIE-PLTG		56	235	-39	59	-34	-7	-39	38	29	15	-25	-91	-60	-99	91	27	35	6	28	23	31	27	-49	
<b>Interconnection</b>		<b>27</b>	<b>207</b>	<b>-68</b>	<b>30</b>	<b>-63</b>	<b>-36</b>	<b>-68</b>	<b>9</b>	<b>0</b>	<b>-13</b>	<b>-53</b>	<b>-120</b>	<b>-89</b>	<b>-128</b>	<b>63</b>	<b>-3</b>	<b>5</b>	<b>-24</b>	<b>-2</b>	<b>-6</b>	<b>2</b>	<b>-2</b>	<b>-78</b>	
<b>System Total</b>		<b>13368</b>	<b>12878</b>	<b>12631</b>	<b>12225</b>	<b>12223</b>	<b>11995</b>	<b>11853</b>	<b>11594</b>	<b>11427</b>	<b>11391</b>	<b>11265</b>	<b>11366</b>	<b>11497</b>	<b>11565</b>	<b>11508</b>	<b>11391</b>	<b>11994</b>	<b>13001</b>	<b>13695</b>	<b>14167</b>	<b>14651</b>	<b>15003</b>	<b>15340</b>	
SRev ST-Coal		213	280	237	217	210	209	212	209	213	216	212	219	211	216	214	214	216	217	211	211	211	216	215	
SRev ST-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	35	40	31	16	14	
SRev ST-Oil		9	9	10	10	15	17	40	37	37	37	37	37	37	37	37	0	0	0	0	0	0	0	0	0
SRev CCGT-Gas		254	437	911	1202	1373	1510	1522	1588	1720	1751	1905	1874	1742	1708	1805	1992	1477	580	218	127	168	150	141	
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	115	91	68	56	119	62	78	82	
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		172	172	172	172	172	172	278	278	278	429	429	278	278	278	172	172	172	172	323	323	172	172	86	
Hydro		99	109	96	149	99	169	355	123	211	84	94	84	67	63	80	104	121	235	169	144	206	220	198	
<b>S.Reserve Total</b>		<b>1197</b>	<b>1457</b>	<b>1876</b>	<b>2200</b>	<b>2319</b>	<b>2527</b>	<b>2537</b>	<b>2685</b>	<b>2759</b>	<b>2817</b>	<b>2977</b>	<b>2942</b>	<b>2784</b>	<b>2751</b>	<b>2768</b>	<b>2970</b>	<b>2479</b>	<b>1514</b>	<b>1381</b>	<b>1238</b>	<b>1168</b>	<b>1126</b>	<b>1092</b>	