

**Availability At Daily Maximum Demand Hour**

ST-Coal	2,070 MW
ST-Gas	70 MW
ST-Oil	0 MW
Gas	3,575 MW
Hydro	1,861 MW
Distillate	0 MW
<b>Total TNB</b>	<b>7,576 MW</b>
<b>Total IPP</b>	<b>9,112 MW</b>
<b>Total Co-Gen</b>	<b>57 MW</b>
<b>System Total</b>	<b>16,745 MW</b>

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

At Daily Maximum Demand Hour : 11:30	
TNB Generation	6,471 MW
IPP Generation	8,281 MW
Total Set On Bus	15,801 MW
Maximum Demand	14,787 MW
Spinning Reserve	992 MW
Net Energy	306,423 MWH
Load Factor	86.3 %

**Maximum Demand Record**

Date :	13/05/2013	16,562.0 MW
Date :	25/06/2013	345,254.0 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	11776	11092	10867	10582	10328	10224	10399	10779	11464	13115	13962	14591	14564	14202	14481	14517	14541	14189	13630	13845	14016	13697	12977	12343

**Gas Usage**

Station	(mmscfd)
CBPS	73
GLGR	65
PAKA	198
PGGS	2
PGPS	44
SRDG	43
TJGS	107
<b>TNB Total</b>	<b>533</b>
KLPP	78
MPSS	58
PDPS	33
PGLA	110
PLPS	67
PTEK	39
SGB3	52
SGRI	197
SKSP	53
YPGS	33
YPKA	98
<b>IPP Total</b>	<b>818</b>
<b>Total Gas</b>	<b>1,351</b>

**Alternate Fuel Usage**

Station	(mmscfd)
PKLG	134
<b>Total</b>	<b>134</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	49,306.00	16.09 %
ST-Gas	34.00	0.01 %
Gas	65,027.00	21.22 %
Hydro	18,494.00	6.04 %
<b>Total TNB</b>	<b>132,861.0</b>	<b>43.36 %</b>
ST-Coal	56,645.0	18.49 %
ST-Oil	13,239.0	4.32 %
Gas	103,380.0	33.74 %
<b>Total IPP</b>	<b>173,264.0</b>	<b>56.54 %</b>
Co-Gen	1,280.0	0.42 %
<b>Total Co-Gen</b>	<b>1,280.0</b>	<b>0.42 %</b>
<b>Total Generation</b>	<b>307,405.0</b>	<b>100.32 %</b>
PLTG	255.0	0.08 %
HVDC	727.0	0.24 %
<b>Interconnection</b>	<b>982.0</b>	<b>0.32 %</b>
<b>Net Energy</b>	<b>306,423.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	493
Hydro	223
Syncon	231
Thermal	52
<b>Total</b>	<b>998</b>

**Weather Temperature**

Weather	Temperature
Morning	Hot 23
Afternoon	Sunny 33

Total Gas Required : 1,486  
Gas Calorific Value : 38.500





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
LPIA	HY01	25	25	26	26	26	26	26	25	26	26	26	26	26	26	25	26	26	26	26	26	26	26	26	26
MNOR	HY01	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	4	4	4	4	4	4
PGAU	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	22	109	109	109	-1	-1	109	109	109	108
PGAU	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	112	112	112	-1	-1	42	112	113	107	112
PGAU	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	112	111	111	82	-1	-1	112	112	107
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
SIHY	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
SIHY	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
SIHY	HY03	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	HY03	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	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	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
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	44	51	50	49	49	47	49	45	46	42	50	51	51	52	56	47	51	47	52	49	50	35	36	33
UPLA	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
UPLA	HY02	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
<b>Total Hydro</b>		<b>543</b>	<b>548</b>	<b>552</b>	<b>549</b>	<b>544</b>	<b>535</b>	<b>450</b>	<b>289</b>	<b>190</b>	<b>202</b>	<b>217</b>	<b>221</b>	<b>230</b>	<b>274</b>	<b>280</b>	<b>284</b>	<b>427</b>	<b>608</b>	<b>586</b>	<b>624</b>	<b>604</b>	<b>889</b>	<b>1183</b>	<b>1217</b>
PCUF	CUFK	44	42	45	43	0	0	0	26	44	44	44	43	44	43	44	45	45	43	43	44	45	44	46	46
PCUF	CUFK	10	13	12	11	12	12	13	12	12	12	12	13	14	14	13	15	15	14	13	15	16	16	15	13
<b>Total Co-Gen</b>		<b>54</b>	<b>55</b>	<b>57</b>	<b>54</b>	<b>12</b>	<b>12</b>	<b>13</b>	<b>13</b>	<b>38</b>	<b>56</b>	<b>56</b>	<b>56</b>	<b>55</b>	<b>57</b>	<b>58</b>	<b>57</b>	<b>58</b>	<b>58</b>	<b>58</b>	<b>58</b>	<b>59</b>	<b>57</b>	<b>60</b>	<b>58</b>
<b>Total Gen</b>		<b>11848</b>	<b>11364</b>	<b>11139</b>	<b>10976</b>	<b>10868</b>	<b>10705</b>	<b>10590</b>	<b>10395</b>	<b>10347</b>	<b>10284</b>	<b>10285</b>	<b>10300</b>	<b>10385</b>	<b>10665</b>	<b>10802</b>	<b>11049</b>	<b>11581</b>	<b>12673</b>	<b>13207</b>	<b>13640</b>	<b>13994</b>	<b>14404</b>	<b>14585</b>	<b>14809</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		30	30	31	31	30	30	30	31	31	30	30	30	30	30	30	30	30	30	30	30	30	31	31	31
TIE-PLTG		42	-41	16	0	-29	45	-22	-4	-12	30	31	-23	-44	-2	-7	43	86	39	62	47	2	-36	-8	85
<b>Interconnection</b>		<b>72</b>	<b>-11</b>	<b>47</b>	<b>31</b>	<b>1</b>	<b>75</b>	<b>8</b>	<b>26</b>	<b>19</b>	<b>61</b>	<b>61</b>	<b>7</b>	<b>-14</b>	<b>28</b>	<b>23</b>	<b>75</b>	<b>117</b>	<b>70</b>	<b>92</b>	<b>77</b>	<b>32</b>	<b>32</b>	<b>-6</b>	
<b>System Total</b>		<b>11776</b>	<b>11375</b>	<b>11092</b>	<b>10945</b>	<b>10867</b>	<b>10630</b>	<b>10582</b>	<b>10369</b>	<b>10328</b>	<b>10223</b>	<b>10224</b>	<b>10293</b>	<b>10399</b>	<b>10637</b>	<b>10779</b>	<b>10976</b>	<b>11464</b>	<b>12603</b>	<b>13115</b>	<b>13563</b>	<b>13962</b>	<b>14372</b>	<b>14591</b>	<b>14787</b>
SRev ST-Coal		56	60	54	60	54	70	54	53	56	53	56	54	57	54	57	60	63	73	61	66	57	66	79	91
SRev ST-Gas		2	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		3	1	1	0	0	0	19	21	1	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0
SRev CCGT-Gas		403	685	922	1071	1144	1276	1301	1330	1316	1407	1418	1412	1324	1096	967	716	861	235	433	288	256	211	244	254
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	85	62	51	48	92	152	172	196
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		625	625	625	625	625	625	726	726	726	726	575	726	726	726	726	625	625	474	625	474	172	172	172	172
Hydro		67	62	59	62	67	76	161	121	119	108	93	240	124	80	74	70	128	96	113	226	95	261	281	332
<b>S.Reserve Total</b>		<b>1156</b>	<b>1433</b>	<b>1661</b>	<b>1818</b>	<b>1890</b>	<b>2047</b>	<b>2160</b>	<b>2251</b>	<b>2218</b>	<b>2294</b>	<b>2293</b>	<b>2281</b>	<b>2231</b>	<b>1957</b>	<b>1822</b>	<b>1576</b>	<b>1669</b>	<b>1099</b>	<b>1293</b>	<b>1101</b>	<b>1089</b>	<b>1106</b>	<b>922</b>	<b>992</b>