

**Availability At Daily Maximum Demand Hour**

ST-Coal	2,070	MW
ST-Gas	0	MW
ST-Oil	0	MW
Gas	4,459	MW
Hydro	1,660	MW
Distillate	0	MW
<b>Total TNB</b>	<b>8,189</b>	<b>MW</b>
<b>Total IPP</b>	<b>10,402</b>	<b>MW</b>
<b>Total Co-Gen</b>	<b>72</b>	<b>MW</b>
<b>System Total</b>	<b>18,663</b>	<b>MW</b>

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

At Daily Maximum Demand Hour : 14:30

TNB Generation	6,309	MW
IPP Generation	9,776	MW
Total Set On Bus	17,241	MW
Maximum Demand	16,216	MW
Spinning Reserve	1,084	MW
Net Energy	332,581	MWH
Load Factor	85.5	%
Total Cost	59,711,297	RM
Cost per Unit	18.24	cents/kWH

**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	12919	12461	11957	11568	11459	11253	11361	11538	12068	13808	14920	15639	15657	15294	15775	16107	16013	15552	14389	14124	15035	14962	14442	13878

**Gas Usage**

Station	(mmscfd)
CBPS	67
GLGR	65
PAKA	184
PGPS	43
SRDG	46
TJGS	211
<b>TNB Total</b>	<b>616</b>
KLPP	101
MPSS	58
PDPS	25
PGLA	112
PKLG	57
PLPS	96
PTEK	27
SGB3	79
SGRI	91
SKSP	52
YPGS	67
YPKA	95
<b>IPP Total</b>	<b>860</b>
<b>Total Gas</b>	<b>1,476</b>
Total Gas Required :	1,476
Gas Calorific Value :	38.500

**Generation Mix**

Type	MWh	Percentage
ST-Coal	49,319.00	14.83 %
Gas	78,419.00	23.58 %
Hydro	5,933.00	1.78 %
<b>Total TNB</b>	<b>133,671.0</b>	<b>40.19 %</b>
ST-Coal	89,798.0	27.00 %
ST-Gas	5,538.0	1.67 %
Gas	102,608.0	30.85 %
<b>Total IPP</b>	<b>197,944.0</b>	<b>59.52 %</b>
Co-Gen	1,678.0	0.50 %
<b>Total Co-Gen</b>	<b>1,678.0</b>	<b>0.50 %</b>
<b>Total Generation</b>	<b>333,293.0</b>	<b>100.21 %</b>
PLTG	-12.0	0.00 %
HVDC	724.0	0.22 %
Interconnection	712.0	0.21 %
<b>Net Energy</b>	<b>332,581.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	354
Hydro	185
Syncon	567
Thermal	92
<b>Total</b>	<b>1198</b>

**Weather Temperature**

	Weather	Temperature
Morning	Sunny	23
Afternoon	Hot	30





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	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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
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	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	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	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	26	30	30	30	29	32	34	36	31	19	31	30	26	33	31	25	22	32	36	28	29	37	32	33
TMGR	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
UPLA	HY02	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
<b>Total Hydro</b>		<b>172</b>	<b>182</b>	<b>181</b>	<b>181</b>	<b>178</b>	<b>185</b>	<b>184</b>	<b>211</b>	<b>183</b>	<b>181</b>	<b>183</b>	<b>182</b>	<b>171</b>	<b>189</b>	<b>185</b>	<b>171</b>	<b>164</b>	<b>187</b>	<b>224</b>	<b>177</b>	<b>179</b>	<b>284</b>	<b>389</b>	<b>427</b>
PCUF	CUFG	34	32	32	32	32	31	32	30	34	32	31	32	32	34	33	31	33	31	32	31	33	33	31	32
PCUF	CUFK	25	27	28	41	39	41	40	40	39	40	39	38	39	39	40	40	40	40	40	38	38	39	39	41
<b>Total Co-Gen</b>		<b>59</b>	<b>59</b>	<b>60</b>	<b>73</b>	<b>71</b>	<b>72</b>	<b>70</b>	<b>73</b>	<b>72</b>	<b>70</b>	<b>71</b>	<b>73</b>	<b>74</b>	<b>71</b>	<b>72</b>	<b>71</b>	<b>70</b>	<b>72</b>	<b>73</b>	<b>71</b>	<b>72</b>	<b>70</b>	<b>74</b>	<b>71</b>
<b>Total Gen</b>		<b>12962</b>	<b>12574</b>	<b>12478</b>	<b>12199</b>	<b>11968</b>	<b>11834</b>	<b>11593</b>	<b>11600</b>	<b>11451</b>	<b>11359</b>	<b>11255</b>	<b>11430</b>	<b>11436</b>	<b>11616</b>	<b>11630</b>	<b>11523</b>	<b>12116</b>	<b>13130</b>	<b>13851</b>	<b>14418</b>	<b>15015</b>	<b>15343</b>	<b>15694</b>	<b>15845</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		31	29	30	30	32	32	31	31	29	29	30	30	29	29	31	31	31	31	31	31	31	29	29	29
TIE-PLTG		12	0	-13	-13	-21	-13	-6	-4	-37	73	-28	105	45	107	63	-13	17	-2	12	-7	64	34	26	30
<b>Interconnection</b>		<b>43</b>	<b>29</b>	<b>17</b>	<b>43</b>	<b>11</b>	<b>19</b>	<b>25</b>	<b>27</b>	<b>-8</b>	<b>102</b>	<b>2</b>	<b>135</b>	<b>75</b>	<b>136</b>	<b>92</b>	<b>18</b>	<b>48</b>	<b>29</b>	<b>43</b>	<b>24</b>	<b>95</b>	<b>65</b>	<b>55</b>	
<b>System Total</b>		<b>12919</b>	<b>12545</b>	<b>12461</b>	<b>12156</b>	<b>11957</b>	<b>11815</b>	<b>11568</b>	<b>11573</b>	<b>11459</b>	<b>11257</b>	<b>11253</b>	<b>11295</b>	<b>11361</b>	<b>11480</b>	<b>11538</b>	<b>11595</b>	<b>12068</b>	<b>13101</b>	<b>13803</b>	<b>14394</b>	<b>14920</b>	<b>15278</b>	<b>15639</b>	<b>15786</b>
SRev ST-Coal		81	77	81	88	70	74	90	79	74	84	201	177	145	111	78	88	64	82	117	98	84	94	108	89
SRev ST-Gas		2	11	40	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	43	9	2	0	2	2
SRev CCGT-Gas		591	778	788	1020	1281	1407	1625	1665	1791	1870	1758	1605	1628	1587	1610	1690	1544	906	449	424	340	218	133	171
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	103	145	50	80	52	93
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		645	645	645	645	645	645	494	645	494	645	645	645	645	645	645	645	645	645	494	645	645	645	645	645
Hydro		154	144	145	145	148	141	142	266	143	296	143	144	155	137	141	155	162	139	253	149	147	142	137	99
<b>S.Reserve Total</b>		<b>1473</b>	<b>1655</b>	<b>1699</b>	<b>1935</b>	<b>2181</b>	<b>2304</b>	<b>2539</b>	<b>2541</b>	<b>2690</b>	<b>2781</b>	<b>2784</b>	<b>2608</b>	<b>2610</b>	<b>2517</b>	<b>2511</b>	<b>2615</b>	<b>2452</b>	<b>1809</b>	<b>1356</b>	<b>1428</b>	<b>1363</b>	<b>1149</b>	<b>1105</b>	<b>1058</b>