

**Availability At Daily Maximum Demand Hour**

ST-Coal	2,070 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	4,138 MW
Hydro	1,680 MW
Distillate	0 MW
<b>Total TNB</b>	<b>7,888 MW</b>
<b>Total IPP</b>	<b>10,219 MW</b>
<b>Total Co-Gen</b>	<b>25 MW</b>
<b>System Total</b>	<b>18,132 MW</b>

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

At Daily Maximum Demand Hour : 16:00

TNB Generation	6,201 MW
IPP Generation	9,905 MW
Total Set On Bus	17,158 MW
Maximum Demand	16,114 MW
Spinning Reserve	1,027 MW
Net Energy	331,585 MWH
Load Factor	85.7 %
Total Cost	60,441,273 RM
Cost per Unit	18.52 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	13077	12492	11971	11669	11365	11222	11395	11527	12123	13849	14673	15409	15443	15172	15826	16093	16114	15514	14315	14165	14932	14682	14253	13631

**Gas Usage**

Station	(mmscfd)
CBPS	56
GLGR	65
PAKA	159
PGPS	42
SRDG	25
TJGS	222
<b>TNB Total</b>	<b>568</b>
KLPP	104
MPSS	59
PDPS	27
PGLA	98
PKLG	41
PLPS	97
PTEK	49
SGB3	87
SGRI	100
SKSP	53
YPGS	67
YPKA	130
<b>IPP Total</b>	<b>914</b>
<b>Total Gas</b>	<b>1,482</b>
<b>Total Gas Required :</b>	<b>1,482</b>
<b>Gas Calorific Value :</b>	<b>38.500</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	47,307.00	14.27 %
Gas	73,348.00	22.12 %
Hydro	6,048.00	1.82 %
<b>Total TNB</b>	<b>126,703.0</b>	<b>38.21 %</b>
ST-Coal	90,002.0	27.14 %
ST-Gas	3,922.0	1.18 %
Gas	110,857.0	33.43 %
<b>Total IPP</b>	<b>204,781.0</b>	<b>61.76 %</b>
Co-Gen	920.0	0.28 %
<b>Total Co-Gen</b>	<b>920.0</b>	<b>0.28 %</b>
<b>Total Generation</b>	<b>332,404.0</b>	<b>100.25 %</b>
PLTG	89.0	0.03 %
HVDC	730.0	0.22 %
<b>Interconnection</b>	<b>819.0</b>	<b>0.25 %</b>
<b>Net Energy</b>	<b>331,585.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	425
Hydro	146
Syncon	460
Thermal	88
<b>Total</b>	<b>1118</b>

	Weather	Temperature
Morning	Sunny	26
Afternoon	Hot	37





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
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	-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	30	34	33	32	33	32	42	34	32	30	26	29	30	32	27	28	37	32	30	31	33	32	28	30
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
UPIA	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>177</b>	<b>201</b>	<b>186</b>	<b>174</b>	<b>181</b>	<b>192</b>	<b>265</b>	<b>180</b>	<b>168</b>	<b>164</b>	<b>158</b>	<b>164</b>	<b>165</b>	<b>169</b>	<b>157</b>	<b>160</b>	<b>206</b>	<b>170</b>	<b>168</b>	<b>169</b>	<b>177</b>	<b>172</b>	<b>246</b>	<b>176</b>
PCUF	CUFG	53	52	54	52	51	52	55	53	51	55	53	52	49	54	53	53	52	26	26	25	24	26	25	24
PCUF	CUFK	6	6	6	7	7	8	7	7	8	8	9	9	8	8	8	7	7	7	5	6	4	1	2	1
<b>Total Co-Gen</b>		<b>59</b>	<b>58</b>	<b>60</b>	<b>59</b>	<b>58</b>	<b>60</b>	<b>62</b>	<b>60</b>	<b>59</b>	<b>63</b>	<b>62</b>	<b>61</b>	<b>60</b>	<b>59</b>	<b>33</b>	<b>31</b>	<b>31</b>	<b>28</b>	<b>27</b>	<b>25</b>	<b>25</b>	<b>24</b>	<b>26</b>	<b>23</b>
<b>Total Gen</b>		<b>13126</b>	<b>12779</b>	<b>12556</b>	<b>12267</b>	<b>12002</b>	<b>11930</b>	<b>11609</b>	<b>11612</b>	<b>11430</b>	<b>11336</b>	<b>11265</b>	<b>11403</b>	<b>11516</b>	<b>11727</b>	<b>11532</b>	<b>11518</b>	<b>12172</b>	<b>13037</b>	<b>13930</b>	<b>14467</b>	<b>14747</b>	<b>15031</b>	<b>15464</b>	<b>15495</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	30	30	30	30	30	30	31	31	30	31	31	29	29	30	30	30	31	31	31	31	30	30	31
TIE-PLTG		18	-25	34	-13	1	-39	-90	-15	34	-38	13	-21	90	22	-26	-15	20	67	51	43	43	-20	25	44
<b>Interconnection</b>		<b>49</b>	<b>5</b>	<b>64</b>	<b>17</b>	<b>31</b>	<b>-9</b>	<b>-60</b>	<b>16</b>	<b>65</b>	<b>-8</b>	<b>43</b>	<b>10</b>	<b>121</b>	<b>53</b>	<b>5</b>	<b>14</b>	<b>49</b>	<b>97</b>	<b>81</b>	<b>73</b>	<b>74</b>	<b>10</b>	<b>55</b>	
<b>System Total</b>		<b>13077</b>	<b>12774</b>	<b>12492</b>	<b>12250</b>	<b>11971</b>	<b>11939</b>	<b>11669</b>	<b>11596</b>	<b>11365</b>	<b>11344</b>	<b>11222</b>	<b>11393</b>	<b>11395</b>	<b>11674</b>	<b>11527</b>	<b>11504</b>	<b>12123</b>	<b>12940</b>	<b>13849</b>	<b>14394</b>	<b>14673</b>	<b>15021</b>	<b>15409</b>	<b>15420</b>
SRev ST-Coal		107	92	171	59	65	44	45	61	58	71	68	57	67	72	78	65	86	81	77	76	74	73	77	80
SRev ST-Gas		41	42	41	41	40	40	39	37	37	37	37	37	37	37	37	37	37	6	6	6	6	6	6	6
SRev CCGT-Gas		337	267	102	375	614	710	1113	1018	1189	1270	1337	1215	1089	880	1074	1425	1496	1098	687	282	287	236	315	317
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	86	133	246	27	24	118	365	347
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		580	495	495	495	495	344	344	495	495	495	495	495	495	495	495	495	495	495	495	495	495	495	495	495
Hydro		114	90	105	117	111	254	179	114	125	129	135	129	128	124	136	133	89	125	127	126	118	123	199	118
<b>S.Reserve Total</b>		<b>1179</b>	<b>986</b>	<b>914</b>	<b>1087</b>	<b>1325</b>	<b>1392</b>	<b>1720</b>	<b>1725</b>	<b>1904</b>	<b>2002</b>	<b>2072</b>	<b>1933</b>	<b>1816</b>	<b>1610</b>	<b>1804</b>	<b>2242</b>	<b>2274</b>	<b>1918</b>	<b>1496</b>	<b>1112</b>	<b>1116</b>	<b>1182</b>	<b>965</b>	<b>1033</b>