

**Availability At Daily Maximum Demand Hour**

ST-Coal	1,380 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,622 MW
Hydro	1,768 MW
Distillate	300 MW
<b>Total TNB</b>	<b>7,070 MW</b>
<b>Total IPP</b>	<b>10,162 MW</b>
<b>Total Co-Gen</b>	<b>81 MW</b>
<b>System Total</b>	<b>17,313 MW</b>

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

At Daily Maximum Demand Hour : 16:00

TNB Generation	5,906 MW
IPP Generation	9,679 MW
Total Set On Bus	16,740 MW
Maximum Demand	15,658 MW
Spinning Reserve	1,074 MW
Net Energy	324,613 MWH
Load Factor	86.4 %
Total Cost	66,431,319 RM
Cost per Unit	21.08 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	12776	12214	11816	11432	11279	11189	11427	11524	11835	13342	14250	15014	15181	14604	14918	15552	15658	15376	14128	13819	14743	14582	13999	13580

**Gas Usage**

Station	(mmscfd)
CBPS	105
GLGR	65
PAKA	195
SRDG	33
TJGS	167
<b>TNB Total</b>	<b>566</b>
KLPP	121
MPSS	62
PDPS	34
PGLA	116
PKLG	52
PLPS	105
PTEK	22
SGB3	76
SGRI	176
SKSP	56
YPGS	69
YPKA	126
<b>IPP Total</b>	<b>1,015</b>
<b>Total Gas</b>	<b>1,581</b>

Total Gas Required : 1,638  
Gas Calorific Value : 38.500

**Alternate Fuel Usage**

Station	(mmscfd)
PGPS	42
SGB3	10
SGRI	5
<b>Total</b>	<b>57</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	32,860.00	10.12 %
Gas	70,996.00	21.87 %
Hydro	8,695.00	2.68 %
Distillate	5,089.00	1.57 %
<b>Total TNB</b>	<b>117,640.0</b>	<b>36.24 %</b>
ST-Coal	73,007.0	22.49 %
ST-Gas	5,089.0	1.57 %
Gas	124,242.0	38.27 %
Distillate	1,826.0	0.56 %
<b>Total IPP</b>	<b>204,164.0</b>	<b>62.89 %</b>
Co-Gen	2,065.0	0.64 %
<b>Total Co-Gen</b>	<b>2,065.0</b>	<b>0.64 %</b>
<b>Total Generation</b>	<b>323,869.0</b>	<b>99.77 %</b>
PLTG	-42.0	-0.01 %
HVDC	-702.0	-0.22 %
Interconnection	-744.0	-0.23 %
<b>Net Energy</b>	<b>324,613.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	439
Hydro	175
Syncon	501
Thermal	102
<b>Total</b>	<b>1217</b>

	Weather	Temperature
Morning	Sunny	26
Afternoon	Hot	34





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	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	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	25	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY02	25	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY03	24	24	24	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY04	25	25	25	25	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	22	30	30	37	42	29	31	32	35	33	32	34	34	42	29	21	25	30	31	30	26	32	31	34
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>260</b>	<b>260</b>	<b>259</b>	<b>274</b>	<b>226</b>	<b>164</b>	<b>185</b>	<b>163</b>	<b>171</b>	<b>169</b>	<b>164</b>	<b>170</b>	<b>192</b>	<b>227</b>	<b>172</b>	<b>145</b>	<b>151</b>	<b>183</b>	<b>166</b>	<b>169</b>	<b>160</b>	<b>317</b>	<b>485</b>	
PGPS	GT3A	86	82	83	83	84	83	82	83	83	83	83	83	82	83	83	83	83	83	83	83	82	90	90	90
PGPS	GT3B	84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	80	83	83	90	90	90	90	90
PGPS	ST3C	84	37	37	38	38	37	38	37	37	37	37	37	38	37	37	37	37	38	79	87	89	90	89	89
SGB3	GT33	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	GT21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRDG	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
<b>Total Distillate</b>		<b>254</b>	<b>119</b>	<b>120</b>	<b>121</b>	<b>122</b>	<b>120</b>	<b>120</b>	<b>120</b>	<b>120</b>	<b>120</b>	<b>119</b>	<b>121</b>	<b>120</b>	<b>120</b>	<b>119</b>	<b>120</b>	<b>200</b>	<b>204</b>	<b>244</b>	<b>267</b>	<b>269</b>	<b>270</b>	<b>268</b>	
PCUF	CUPG	52	53	52	55	53	51	52	53	53	53	54	50	52	53	52	54	52	54	52	53	54	54	51	52
PCUF	CUEK	37	35	35	35	37	39	38	37	38	37	36	37	38	38	39	39	37	36	31	30	32	32	28	30
<b>Total Co-Gen</b>		<b>89</b>	<b>88</b>	<b>87</b>	<b>90</b>	<b>90</b>	<b>90</b>	<b>90</b>	<b>91</b>	<b>90</b>	<b>90</b>	<b>87</b>	<b>90</b>	<b>91</b>	<b>90</b>	<b>93</b>	<b>91</b>	<b>91</b>	<b>88</b>	<b>84</b>	<b>84</b>	<b>86</b>	<b>83</b>	<b>80</b>	
<b>Total Gen</b>		<b>12753</b>	<b>12495</b>	<b>12164</b>	<b>11911</b>	<b>11733</b>	<b>11664</b>	<b>11455</b>	<b>11275</b>	<b>11234</b>	<b>11151</b>	<b>11153</b>	<b>11195</b>	<b>11372</b>	<b>11497</b>	<b>11531</b>	<b>11287</b>	<b>11783</b>	<b>12675</b>	<b>13345</b>	<b>13863</b>	<b>14183</b>	<b>14571</b>	<b>14934</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	-29	-29	-28	-30	-30	-29	-30	-30	-30	-30	-30	-29	-29	-30	-30	-29	-27	-29	-29	-29	-31	-28
TIE-PLTG		7	53	-21	-6	-55	11	53	13	-16	59	-6	57	-25	-69	37	-69	-23	73	33	6	-38	-16	-51	-114
Interconnection		-23	23	-50	-35	-83	-17	23	-17	-45	30	-36	27	-55	-99	7	-99	-52	44	3	-24	-67	-43	-80	-143
<b>System Total</b>		<b>12776</b>	<b>12472</b>	<b>12214</b>	<b>11946</b>	<b>11816</b>	<b>11681</b>	<b>11432</b>	<b>11292</b>	<b>11279</b>	<b>11121</b>	<b>11189</b>	<b>11168</b>	<b>11427</b>	<b>11596</b>	<b>11524</b>	<b>11386</b>	<b>11835</b>	<b>12631</b>	<b>13342</b>	<b>13887</b>	<b>14250</b>	<b>14614</b>	<b>15014</b>	
SRev ST-Coal		69	79	63	70	80	66	80	75	65	74	72	69	72	93	80	66	100	104	121	90	97	91	96	95
SRev ST-Gas		38	34	34	35	35	35	35	34	34	34	35	35	34	36	34	34	35	35	19	1	1	3	0	0
SRev CCGT-Gas		551	261	535	653	590	536	749	915	1155	1228	1223	1187	1029	933	841	1074	863	763	590	251	254	313	185	227
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	35	123	53	68
SRev Distillate		46	26	25	24	23	25	25	25	25	25	25	26	24	25	25	26	25	45	41	46	23	21	20	22
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		731	731	731	580	731	731	580	731	731	731	731	731	731	731	731	731	580	731	646	646	646	625	388	540
Hydro		139	139	140	226	73	134	265	135	128	131	133	129	107	71	122	150	143	262	129	125	139	134	177	375
<b>S.Reserve Total</b>		<b>1574</b>	<b>1270</b>	<b>1528</b>	<b>1588</b>	<b>1532</b>	<b>1527</b>	<b>1734</b>	<b>1915</b>	<b>2138</b>	<b>2223</b>	<b>2219</b>	<b>2176</b>	<b>1999</b>	<b>1888</b>	<b>1838</b>	<b>2085</b>	<b>1903</b>	<b>1774</b>	<b>1643</b>	<b>1159</b>	<b>1218</b>	<b>1333</b>	<b>1157</b>	