

**Availability At Daily Maximum Demand Hour**

ST-Coal	2,070 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	4,184 MW
Hydro	1,628 MW
Distillate	0 MW
<b>Total TNB</b>	<b>7,882 MW</b>
<b>Total IPP</b>	<b>9,834 MW</b>
<b>Total Co-Gen</b>	<b>86 MW</b>
<b>System Total</b>	<b>17,802 MW</b>

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

At Daily Maximum Demand Hour : 16:00

TNB Generation	6,977 MW
IPP Generation	8,855 MW
Total Set On Bus	16,957 MW
Maximum Demand	15,973 MW
Spinning Reserve	1,039 MW
Net Energy	326,860 MWH
Load Factor	85.3 %
Total Cost	66,001,186 RM
Cost per Unit	20.70 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	12673	12186	11685	11227	10909	10681	10984	11127	11674	13471	14408	15136	15217	14883	15475	15924	15973	15614	14302	13816	15244	15103	14652	14086

**Gas Usage**

Station	(mmscfd)
CBPS	111
GLGR	21
PAKA	191
PGGS	7
PGPS	53
SRDG	37
TJGS	216
<b>TNB Total</b>	<b>636</b>
KLPP	99
MPSS	56
PDPS	54
PGLA	114
PLPS	106
PTEK	60
SGB3	35
SGRI	207
SKSP	55
YPKA	121
<b>IPP Total</b>	<b>907</b>
<b>Total Gas</b>	<b>1,543</b>

Total Gas Required : 1,658  
Gas Calorific Value : 38.500

**Alternate Fuel Usage**

Station	(mmscfd)
PKLG	115
<b>Total</b>	<b>115</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	49,517.00	15.15 %
Gas	79,832.00	24.42 %
Hydro	7,939.00	2.43 %
<b>Total TNB</b>	<b>137,288.0</b>	<b>42.00 %</b>
ST-Coal	62,443.0	19.10 %
ST-Oil	11,235.0	3.44 %
Gas	113,488.0	34.72 %
<b>Total IPP</b>	<b>187,166.0</b>	<b>57.26 %</b>
Co-Gen	2,181.0	0.67 %
<b>Total Co-Gen</b>	<b>2,181.0</b>	<b>0.67 %</b>
<b>Total Generation</b>	<b>326,635.0</b>	<b>99.93 %</b>
PLTG	383.0	0.12 %
HVDC	-608.0	-0.19 %
<b>Interconnection</b>	<b>-225.0</b>	<b>-0.07 %</b>
<b>Net Energy</b>	<b>326,860.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	369
Hydro	134
Syncon	413
Thermal	66
<b>Total</b>	<b>982</b>

**Weather**
**Temperature**

	Weather	Temperature
Morning	Sunny	25
Afternoon	Hot	35





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	-1	-1	60	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
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	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	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	26	43	35	37	42	38	40	39	31	34	33	32	41	43	42	31	41	43	41	47	36	49	45	51
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UPIA	HY01	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>153</b>	<b>217</b>	<b>230</b>	<b>172</b>	<b>181</b>	<b>172</b>	<b>174</b>	<b>175</b>	<b>163</b>	<b>170</b>	<b>165</b>	<b>179</b>	<b>177</b>	<b>184</b>	<b>181</b>	<b>164</b>	<b>178</b>	<b>188</b>	<b>245</b>	<b>303</b>	<b>411</b>	<b>378</b>	<b>573</b>	
PCUF	CUFG	51	53	54	53	53	51	52	53	52	52	53	52	55	53	52	54	54	53	52	53	52	53	52	54
PCUF	CUFK	40	40	40	40	39	41	41	41	41	40	39	40	40	41	40	41	41	41	41	41	38	41	41	34
<b>Total Co-Gen</b>		<b>91</b>	<b>93</b>	<b>94</b>	<b>93</b>	<b>92</b>	<b>92</b>	<b>93</b>	<b>94</b>	<b>93</b>	<b>92</b>	<b>92</b>	<b>95</b>	<b>94</b>	<b>92</b>	<b>94</b>	<b>95</b>	<b>94</b>	<b>93</b>	<b>94</b>	<b>91</b>	<b>93</b>	<b>94</b>	<b>86</b>	
<b>Total Gen</b>		<b>12788</b>	<b>12483</b>	<b>12225</b>	<b>11907</b>	<b>11673</b>	<b>11519</b>	<b>11224</b>	<b>11105</b>	<b>10875</b>	<b>10763</b>	<b>10683</b>	<b>10749</b>	<b>10972</b>	<b>11269</b>	<b>11165</b>	<b>11177</b>	<b>11627</b>	<b>12632</b>	<b>13441</b>	<b>13871</b>	<b>14382</b>	<b>14712</b>	<b>15099</b>	
TIE-BGAT		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	31	30	-28	-29	-29	-29	-30	-30	-30	-29	-29	-29	-29	-28	-29	-28	-29	-29	-31	-28	-30	-30	
TIE-PLTG		84	-52	9	6	17	-9	26	27	-4	44	31	64	17	18	67	67	-18	-57	-1	-52	3	-48	-8	
Interconnection		115	-21	39	-22	-12	-38	-3	-3	-34	14	2	35	-12	-11	38	38	-47	-85	-30	-80	-26	-77	-37	
<b>System Total</b>		<b>12673</b>	<b>12504</b>	<b>12186</b>	<b>11929</b>	<b>11685</b>	<b>11557</b>	<b>11227</b>	<b>11108</b>	<b>10909</b>	<b>10749</b>	<b>10681</b>	<b>10714</b>	<b>10984</b>	<b>11280</b>	<b>11127</b>	<b>11139</b>	<b>11674</b>	<b>12717</b>	<b>13471</b>	<b>13951</b>	<b>14408</b>	<b>14789</b>		
SRev ST-Coal		56	57	54	70	73	58	71	72	55	76	51	57	65	58	75	68	65	61	70	45	58	52	61	
SRev ST-Gas		0	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		9	81	74	74	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75
SRev CCGT-Gas		343	502	605	907	1066	1226	1221	1340	1576	1673	1773	1715	1485	1200	1652	1633	1361	666	496	325	336	317	287	
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	87	89	0	2	50	54	
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		730	730	579	730	730	730	730	730	730	730	730	579	730	730	730	730	579	579	428	730	625	474	474	
Hydro		132	68	207	116	107	114	111	110	123	118	122	258	108	101	106	124	108	98	241	185	253	58	71	
<b>S.Reserve Total</b>		<b>1270</b>	<b>1438</b>	<b>1519</b>	<b>1897</b>	<b>2051</b>	<b>2203</b>	<b>2327</b>	<b>2559</b>	<b>2672</b>	<b>2751</b>	<b>2684</b>	<b>2463</b>	<b>2164</b>	<b>2638</b>	<b>2630</b>	<b>2339</b>	<b>1633</b>	<b>1537</b>	<b>1230</b>	<b>1079</b>	<b>1163</b>	<b>1098</b>		