

**Availability At Daily Maximum Demand Hour**

ST-Coal	1,380 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	4,122 MW
Hydro	1,723 MW
Distillate	0 MW
<b>Total TNB</b>	<b>7,225 MW</b>
<b>Total IPP</b>	<b>10,397 MW</b>
<b>Total Co-Gen</b>	<b>45 MW</b>
<b>System Total</b>	<b>17,667 MW</b>

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

At Daily Maximum Demand Hour : 16:00	
TNB Generation	6,608 MW
IPP Generation	9,899 MW
Total Set On Bus	17,358 MW
Maximum Demand	16,494 MW
Spinning Reserve	806 MW
Net Energy	334,116 MWH
Load Factor	84.4 %
Total Cost	63,717,410 RM
Cost per Unit	19.77 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	12738	12060	11666	11332	11103	10969	11166	11194	12085	14209	15213	15950	15981	15578	16158	16390	16494	16111	14772	14564	15046	14909	14346	13767

**Gas Usage**

Station	(mmscfd)
CBPS	96
GLGR	65
PAKA	133
PGGS	7
PGPS	45
SRDG	56
TJGS	224
<b>TNB Total</b>	<b>627</b>
KLPP	122
MPSS	58
PDPS	52
PGLA	115
PKLG	6
PLPS	99
PTEK	53
SGB3	88
SGRI	107
SKSP	57
YPGS	56
YPKA	118
<b>IPP Total</b>	<b>932</b>
<b>Total Gas</b>	<b>1,559</b>

Total Gas Required : 1,582  
Gas Calorific Value : 38.500

**Alternate Fuel Usage**

Station	(mmscfd)
PKLG	23
<b>Total</b>	<b>23</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	32,597.00	9.76 %
Gas	78,259.00	23.42 %
Hydro	12,159.00	3.64 %
<b>Total TNB</b>	<b>123,015.0</b>	<b>36.82 %</b>
ST-Coal	90,447.0	27.07 %
ST-Gas	526.0	0.16 %
ST-Oil	2,304.0	0.69 %
Gas	116,972.0	35.01 %
<b>Total IPP</b>	<b>210,249.0</b>	<b>62.93 %</b>
Co-Gen	1,188.0	0.36 %
<b>Total Co-Gen</b>	<b>1,188.0</b>	<b>0.36 %</b>
<b>Total Generation</b>	<b>334,452.0</b>	<b>100.10 %</b>
PLTG	-307.0	-0.09 %
HVDC	643.0	0.19 %
<b>Interconnection</b>	<b>336.0</b>	<b>0.10 %</b>
<b>Net Energy</b>	<b>334,116.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	448
Hydro	241
Syncon	267
Thermal	89
<b>Total</b>	<b>1045</b>

	Weather	Temperature
Morning	Sunny	28
Afternoon	Hot	32



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
SGB3	ST34	201	141	134	71	71	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63
SGRI	GT11	115	108	108	139	108	110	109	58	58	58	58	58	58	141	100	108	141	139	139	140	140	138	138	138
SGRI	GT12	120	111	114	141	114	114	111	61	61	61	61	61	61	142	102	110	140	139	139	139	138	138	138	138
SGRI	GT13	114	107	108	137	110	107	107	57	57	57	57	57	57	138	98	107	138	138	138	138	136	136	136	136
SGRI	ST14	207	195	196	219	190	194	195	139	136	136	138	137	134	215	195	199	219	218	219	215	211	216	221	217
YPGS	GT11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YPGS	GT12	122	125	127	125	125	125	129	124	124	124	126	126	127	134	134	128	127	128	125	128	131	131	125	125
YPGS	ST10	66	68	68	68	68	67	67	67	67	67	67	65	65	113	133	134	134	134	136	136	136	136	136	136
YPKA	BLK1	0	0	0	0	0	269	286	286	286	288	288	285	285	317	330	337	360	362	362	360	360	361	361	361
YPKA	BLK2	561	570	570	563	563	569	303	288	288	288	288	290	290	288	288	321	344	344	369	371	371	369	369	369
PLPS	GT11	150	149	149	150	127	114	114	65	68	67	66	67	65	67	65	66	116	147	146	145	142	142	137	142
PLPS	GT12	144	144	0	0	0	0	0	0	0	0	0	0	0	0	0	37	145	143	145	143	142	141	141	139
PLPS	GT13	146	146	146	146	124	110	110	63	63	63	63	63	63	64	63	63	104	0	0	0	0	0	0	72
PLPS	ST18	216	217	183	148	138	133	133	95	92	91	90	91	91	90	97	95	191	146	147	147	146	146	145	144
SKSP	BLK1	332	325	337	341	315	338	309	338	342	298	296	340	339	339	275	212	220	304	337	342	343	338	343	340
TJGS	GT1A	223	223	206	206	206	225	225	225	225	225	225	225	225	225	225	225	225	222	222	222	222	222	222	222
TJGS	GT1B	215	219	197	197	197	218	218	218	218	218	218	218	218	218	218	218	218	218	218	218	218	218	218	218
TJGS	ST1C	253	253	237	233	233	253	253	256	256	256	256	256	256	256	256	256	256	256	253	253	253	253	253	253
TJGS	GT2A	224	227	227	225	225	225	225	228	229	229	228	228	226	230	184	228	226	224	224	224	224	224	227	225
TJGS	GT2B	218	222	222	222	222	221	221	221	221	221	224	221	224	179	223	220	218	218	218	215	217	217	217	215
TJGS	ST2C	265	265	265	265	265	265	265	265	265	265	265	265	265	265	265	265	265	265	265	265	265	265	265	265
Total CCGT-Gas		7269	6952	6554	6497	6200	6163	5994	5796	5749	5633	5558	5644	5603	6084	5941	5877	6650	7343	7709	7688	7804	7846	7843	7950
Total OCGT-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
CBPS	GT04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CBPS	GT05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CBPS	GT06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PDPS	GT01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PDPS	GT02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PDPS	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
PDPS	GT04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PGGS	GT6A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PTEK	GT1A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PTEK	GT1B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PTEK	GT2A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PTEK	GT2B	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	GT02	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
SRDG	GT04	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	GT05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total OCGT-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
BSIA	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
BSIA	HY02	12	11	12	12	11	12	12	12	11	11	11	11	12	12	12	20	20	21	20	20	20	20	21	20
BSIA	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
CEND	HY01	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
CEND	HY03	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
KNRG	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
KNRG	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
KNRG	HY03	24	24	24	25	24	23	24	26	24	22	23	25	24	23	25	24	25	23	23	23	23	23	23	23
KNYR	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
KNYR	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

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																																
KNYR	HY03	58	57	60	64	55	59	58	69	63	52	45	50	62	61	47	58	62	99	101	99	103	103	103	99	99	98	99	103	100	103	103	103	103	99	98	56	63	63	62	99	98	103	65	105	54	58	60	60								
LPIA	HY02	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24							
MNOR	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	1	1	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	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
PGAU	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	-1	-1	-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	HY03	-1	-1	-1	131	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-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	-1	-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	0	0	0	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	0	0	0	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	0	0	0	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	0	0	0	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	0	0	0	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	0	0	0	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	0	0	0	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	HY03	28	27	34	37	29	33	32	43	33	27	20	25	36	35	21	31	35	48	34	32	84	83	83	82	82	81	58	61	58	83	83	83	83	83	83	83	29	32	32	32	28	28	33	34	36	25	29	31	30							
TMGR	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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1						
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	5	5	5	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>165</b>	<b>162</b>	<b>173</b>	<b>313</b>	<b>162</b>	<b>170</b>	<b>169</b>	<b>193</b>	<b>175</b>	<b>181</b>	<b>141</b>	<b>152</b>	<b>179</b>	<b>196</b>	<b>146</b>	<b>169</b>	<b>178</b>	<b>599</b>	<b>347</b>	<b>542</b>	<b>725</b>	<b>1051</b>	<b>1348</b>	<b>1340</b>	<b>1132</b>	<b>787</b>	<b>653</b>	<b>690</b>	<b>1135</b>	<b>1321</b>	<b>1365</b>	<b>1341</b>	<b>1344</b>	<b>1174</b>	<b>1050</b>	<b>253</b>	<b>177</b>	<b>177</b>	<b>175</b>	<b>336</b>	<b>330</b>	<b>358</b>	<b>261</b>	<b>305</b>	<b>239</b>	<b>250</b>	<b>252</b>	<b>252</b>								
PCUF	CUFG	18	17	17	16	17	17	17	17	17	18	10	8	9	9	9	7	11	9	9	9	8	7	7	6	6	6	4	8	8	7	5	7	6	7	7	7	7	9	7	7	7	8	8	9	8	7	8	8	8							
PCUF	CUFK	41	40	39	40	41	39	41	40	40	40	40	40	39	40	39	38	40	40	41	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40				
<b>Total Co-Gen</b>		<b>59</b>	<b>57</b>	<b>56</b>	<b>56</b>	<b>58</b>	<b>56</b>	<b>58</b>	<b>57</b>	<b>57</b>	<b>58</b>	<b>50</b>	<b>49</b>	<b>48</b>	<b>49</b>	<b>47</b>	<b>51</b>	<b>49</b>	<b>48</b>	<b>49</b>	<b>47</b>	<b>45</b>	<b>47</b>	<b>46</b>	<b>47</b>	<b>46</b>	<b>44</b>	<b>48</b>	<b>48</b>	<b>47</b>	<b>45</b>	<b>47</b>	<b>45</b>	<b>47</b>	<b>45</b>	<b>47</b>	<b>47</b>	<b>46</b>	<b>47</b>	<b>50</b>	<b>47</b>	<b>46</b>	<b>47</b>	<b>46</b>	<b>47</b>	<b>48</b>	<b>47</b>	<b>46</b>	<b>47</b>	<b>48</b>	<b>47</b>	<b>48</b>					
<b>Total Gen</b>		<b>12635</b>	<b>12317</b>	<b>11939</b>	<b>13997</b>	<b>11589</b>	<b>11540</b>	<b>11371</b>	<b>11205</b>	<b>11116</b>	<b>11820</b>	<b>10908</b>	<b>10995</b>	<b>10988</b>	<b>11471</b>	<b>11289</b>	<b>11239</b>	<b>12035</b>	<b>13318</b>	<b>14220</b>	<b>14810</b>	<b>15252</b>	<b>15610</b>	<b>15980</b>	<b>16139</b>	<b>15941</b>	<b>15730</b>	<b>15628</b>	<b>15745</b>	<b>16170</b>	<b>16364</b>	<b>16433</b>	<b>16419</b>	<b>16552</b>	<b>16308</b>	<b>16131</b>	<b>15318</b>	<b>14825</b>	<b>14513</b>	<b>14640</b>	<b>15149</b>	<b>15088</b>	<b>15167</b>	<b>15076</b>	<b>14890</b>	<b>14338</b>	<b>14222</b>	<b>13854</b>	<b>13470</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	0	0	0	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		-29	-30	-30	30	31	31	30	30	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31					
TIE-PLTG		-74	-61	-91	-31	-107	46	8	-81	-17	6	-91	-159	-209	58	64	-7	-81	114	-20	47	8	-37	0	-22	-71	-45	19	-109	-18	0	13	12	27	2	-10	-13	22	20	46	79	11	47	136	-28	-39	15	56	-51								
<b>Interconnection</b>		<b>-103</b>	<b>-91</b>	<b>-121</b>	<b>-1</b>	<b>-77</b>	<b>77</b>	<b>39</b>	<b>-51</b>	<b>13</b>	<b>36</b>	<b>-61</b>	<b>-128</b>	<b>-178</b>	<b>89</b>	<b>95</b>	<b>24</b>	<b>-50</b>	<b>145</b>	<b>11</b>	<b>78</b>	<b>39</b>	<b>-7</b>	<b>30</b>	<b>9</b>	<b>-40</b>	<b>-12</b>	<b>50</b>	<b>-79</b>	<b>12</b>	<b>30</b>	<b>43</b>	<b>43</b>	<b>58</b>	<b>32</b>	<b>20</b>	<b>18</b>	<b>53</b>	<b>50</b>	<b>76</b>	<b>110</b>	<b>42</b>	<b>78</b>	<b>167</b>	<b>3</b>	<b>-8</b>	<b>45</b>	<b>86</b>	<b>-21</b>								
<b>System Total</b>		<b>12738</b>	<b>12408</b>	<b>12060</b>	<b>11998</b>	<b>11666</b>	<b>11463</b>	<b>11332</b>	<b>11256</b>	<b>11103</b>	<b>10984</b>	<b>10969</b>	<b>11123</b>	<b>11166</b>	<b>11382</b>	<b>11194</b>	<b>11215</b>	<b>12085</b>	<b>13173</b>	<b>14209</b>	<b>14732</b>	<b>15213</b>	<b>15617</b>	<b>15950</b>	<b>16130</b>	<b>15981</b>	<b>15742</b>	<b>15578</b>	<b>15824</b>	<b>16158</b>	<b>16334</b>	<b>16390</b>	<b>16376</b>	<b>16494</b>	<b>16276</b>	<b>16111</b>	<b>15300</b>	<b>14772</b>	<b>14463</b>	<b>14564</b>	<b>15039</b>	<b>15046</b>	<b>15089</b>	<b>14909</b>	<b>14887</b>	<b>14346</b>	<b>14177</b>	<b>13767</b>	<b>13491</b>								
SRev ST-Coal		63	59	49	74	36	54	55	46	70	56	54	56	48	62	52	59	49	52	61	69	65	63	72	67	74	77	75	71	79	78	61	72	67	65	71	69	78	80	73	71	63	63	77	76	55	70	54	78								
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	0	0	0	0	0	0	0	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		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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 CCGT-Gas		320	497	755	502	749	636	1185	1383	1430	1546	1621	1535	1576	1095	1321	1610	1164	661	345	366	250	288	291	344	325	296	335	297	300	296	359	306	281	304	28																					