

**Availability At Daily Maximum Demand Hour**

ST-Coal	1,380 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	4,314 MW
Hydro	1,672 MW
Distillate	0 MW
<b>Total TNB</b>	<b>7,366 MW</b>
<b>Total IPP</b>	<b>9,919 MW</b>
<b>Total Co-Gen</b>	<b>85 MW</b>
<b>System Total</b>	<b>17,370 MW</b>

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

At Daily Maximum Demand Hour : 16:00	
TNB Generation	6,321 MW
IPP Generation	9,548 MW
Total Set On Bus	16,915 MW
Maximum Demand	15,894 MW
Spinning Reserve	961 MW
Net Energy	331,473 MWH
Load Factor	86.9 %
Total Cost	67,234,415 RM
Cost per Unit	20.92 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	13390	12717	12272	11868	11359	11270	11587	11658	12018	13671	14601	15154	15034	14816	15496	15874	15894	15535	14315	13859	14945	15047	14576	14130

**Gas Usage**

Station	(mmscfd)
CBPS	104
GLGR	32
PAKA	185
PGGS	2
PGPS	44
SRDG	39
TJGS	222
<b>TNB Total</b>	<b>628</b>

**Alternate Fuel Usage**

Station	(mmscfd)
PKLG	134
SRDG	1
<b>Total</b>	<b>135</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	32,865.00	9.91 %
Gas	79,826.00	24.08 %
Hydro	10,627.00	3.21 %
Distillate	101.00	0.03 %
<b>Total TNB</b>	<b>123,419.0</b>	<b>37.23 %</b>
ST-Coal	77,663.0	23.43 %
ST-Oil	13,203.0	3.98 %
Gas	115,557.0	34.86 %
<b>Total IPP</b>	<b>206,423.0</b>	<b>62.27 %</b>
Co-Gen	2,148.0	0.65 %
<b>Total Co-Gen</b>	<b>2,148.0</b>	<b>0.65 %</b>
<b>Total Generation</b>	<b>331,990.0</b>	<b>100.16 %</b>
PLTG	-206.0	-0.06 %
EGAT	-1.0	0.00 %
HVDC	724.0	0.22 %
<b>Interconnection</b>	<b>517.0</b>	<b>0.16 %</b>
<b>Net Energy</b>	<b>331,473.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	402
Hydro	151
Syncon	409
Thermal	143
<b>Total</b>	<b>1105</b>

KLPP	113
MPSS	59
PDPS	48
PGLA	104
PLPS	89
PTEK	54
SGB3	61
SGRI	203
SKSP	56
YPKA	131
<b>IPP Total</b>	<b>918</b>
<b>Total Gas</b>	<b>1,546</b>

Total Gas Required : 1,681  
Gas Calorific Value : 38,500

**Weather Temperature**

	Weather	Temperature
Morning	Rainy	24
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
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	37	32	32	32	34	30	29	31	28	33	31	31	38	33	29	29	34	41	33	34	32	32	82	81
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	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 Hydro</b>		203	167	178	157	186	151	150	155	150	178	151	156	204	167	150	153	184	316	300	324	527	620	764	952
PCUF	CUFK	52	52	52	52	54	52	51	52	51	53	53	53	54	53	52	52	52	54	53	52	52	54	53	52
PCUF	CUFK	38	38	37	39	38	39	40	40	39	39	39	40	39	40	41	41	41	40	40	41	40	38	37	36
<b>Total Co-Gen</b>		90	90	89	91	92	91	91	92	90	92	92	93	93	93	93	93	94	93	92	93	91	89	88	88
<b>Total Gen</b>		12347	11849	11753	11650	11510	11279	11075	10930	10558	10653	10493	10566	10816	11081	10911	10919	11312	12261	12751	12966	13513	13614	13870	14063
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		29	31	29	31	30	31	29	29	29	29	30	31	31	30	31	30	30	30	30	30	30	31	31	30
TIE-PLTG		-43	-69	-41	-18	5	-23	-42	-17	-52	-32	-31	-62	-25	37	1	12	-29	37	23	-54	11	-36	-39	28
<b>Interconnection</b>		-14	-38	-12	13	35	8	-13	12	-23	-3	-1	-32	6	118	31	43	1	68	53	-24	41	-6	-8	59
<b>System Total</b>		13390	12912	12717	12468	12272	12051	11868	11695	11359	11431	11270	11372	11587	11738	11658	11579	12018	13093	13671	14059	14601	14799	15154	15286
SRev ST-Coal		143	138	143	133	137	138	132	140	140	138	138	129	152	147	144	135	147	141	141	133	144	140	141	140
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		7	7	7	5	4	6	6	5	5	5	5	6	5	5	6	5	5	5	5	45	-12	5	4	3
SRev CCGT-Gas		281	318	280	288	370	580	792	952	1334	1278	1412	1391	1153	878	981	1070	1020	631	507	303	273	326	223	244
SRev 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
SRev Distillate		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 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		726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	575	625	474	474	474	474	237	237
Hydro		70	107	97	116	88	122	125	119	123	97	122	117	69	107	123	121	90	107	74	200	159	154	167	217
<b>S.Reserve Total</b>		1227	1296	1253	1268	1325	1572	1781	1942	2328	2244	2403	2369	2105	1863	1979	2058	1991	1460	1415	1134	1091	1176	1084	889