

**Availability At Daily Maximum Demand Hour**

ST-Coal	2,070 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	4,468 MW
Hydro	1,660 MW
Distillate	0 MW
<b>Total TNB</b>	<b>8,198 MW</b>
<b>Total IPP</b>	<b>10,452 MW</b>
<b>Total Co-Gen</b>	<b>65 MW</b>
<b>System Total</b>	<b>18,715 MW</b>

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

At Daily Maximum Demand Hour : 16:30

TNB Generation	6,431 MW
IPP Generation	9,824 MW
Total Set On Bus	17,316 MW
Maximum Demand	16,354 MW
Spinning Reserve	996 MW
Net Energy	335,149 MWH
Load Factor	85.4 %
Total Cost	60,444,583 RM
Cost per Unit	18.30 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	13115	12474	12072	11743	11517	11227	11544	11427	12112	13922	14916	15700	15685	15388	16028	16227	16302	15758	14603	14303	15198	15159	14662	14072

**Gas Usage**

Station	(mmscfd)
CBPS	67
GLGR	65
PAKA	187
PGPS	42
SRDG	50
TJGS	221
<b>TNB Total</b>	<b>632</b>
KLPP	107
MPSS	58
PDPS	33
PGLA	98
PKLG	57
PLPS	98
PTEK	20
SGB3	82
SGRI	95
SKSP	54
YPGS	67
YPKA	95
<b>IPP Total</b>	<b>863</b>
<b>Total Gas</b>	<b>1,494</b>

Total Gas Required : 1,494  
Gas Calorific Value : 38,500

**Generation Mix**

Type	MWh	Percentage
ST-Coal	49,306.00	14.71 %
Gas	80,624.00	24.06 %
Hydro	5,791.00	1.73 %
<b>Total TNB</b>	<b>135,721.0</b>	<b>40.50 %</b>
ST-Coal	90,329.0	26.95 %
ST-Gas	5,546.0	1.65 %
Gas	102,867.0	30.69 %
<b>Total IPP</b>	<b>198,742.0</b>	<b>59.30 %</b>
Co-Gen	1,572.0	0.47 %
<b>Total Co-Gen</b>	<b>1,572.0</b>	<b>0.47 %</b>
<b>Total Generation</b>	<b>336,035.0</b>	<b>100.26 %</b>
PLTG	153.0	0.05 %
HVDC	733.0	0.22 %
<b>Interconnection</b>	<b>886.0</b>	<b>0.26 %</b>
<b>Net Energy</b>	<b>335,149.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	349
Hydro	166
Syncon	468
Thermal	79
<b>Total</b>	<b>1063</b>

**Weather Temperature**

Weather	Temperature
Morning	Sunny 25
Afternoon	Hot 30





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	HY03	-1	-1	-1	-1	19	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	22	-1	-1	-1	-1	-1	110
PGAU	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0	0	0	0	0
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	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	33	26	25	28	30	29	30	17	20	22	20	44	45	35	24	21	43	28	35	36	34	39	40	29
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	HY02	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
Total Hydro		181	168	169	174	179	197	178	147	150	156	148	207	209	223	164	160	191	178	192	193	189	200	404	384
PCUF	CUFG	28	26	26	27	28	26	26	26	26	27	26	27	26	26	27	26	26	27	26	27	26	27	26	27
PCUF	CUFK	39	40	41	39	40	40	39	41	38	32	37	39	37	39	40	41	41	39	41	40	40	40	40	38
Total Co-Gen		67	66	67	66	68	66	65	67	64	59	63	65	64	65	67	68	69	65	67	67	64	67	67	64
Total Gen		13128	12674	12461	12174	12099	11877	11789	11696	11514	11441	11374	11318	11596	11674	11564	11480	12121	13255	13943	14561	14970	15328	15636	15831
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	30	30	30	30	30	31	31	31	31	31	31	30	30	31	31	31	31	31	31	31	30	30
TIE-PLTG		-9	-17	-40	-10	-4	-27	15	127	-34	77	115	-35	20	19	106	21	-23	122	-11	78	22	-81	-96	-30
Interconnection		21	13	-10	20	26	3	45	157	-3	108	146	-4	51	50	136	51	8	153	20	109	53	-50	-65	1
System Total		13107	12661	12471	12154	12073	11874	11744	11539	11517	11333	11228	11322	11545	11624	11428	11429	12113	13102	13923	14452	14917	15378	15701	15830
SRev ST-Coal		65	74	66	74	68	72	80	83	79	77	76	65	96	79	108	68	68	80	65	78	71	63	61	70
SRev ST-Gas		37	37	37	37	37	37	38	38	37	37	37	37	37	37	37	37	37	38	43	8	1	1	2	2
SRev CCGT-Gas		175	606	468	601	689	923	983	1044	1230	1306	1370	1498	1190	1144	1168	1289	1290	755	676	250	328	265	212	200
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	41	98	48	51	69	137
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		495	495	495	495	495	344	495	495	495	495	495	495	495	495	495	495	495	494	494	494	494	494	494	494
Hydro		145	158	157	152	147	280	148	179	176	170	178	119	117	254	162	166	135	148	134	133	138	127	123	143
S.Reserve Total		1002	1455	1308	1444	1521	1741	1829	1924	2102	2170	2241	2299	2020	1943	2055	2140	2110	1601	1498	985	1073	1048	940	960