

**Availability At Daily Maximum Demand Hour**

ST-Coal	1,380	MW
ST-Gas	70	MW
ST-Oil	0	MW
Gas	4,250	MW
Hydro	1,512	MW
Distillate	0	MW
<b>Total TNB</b>	<b>7,212</b>	<b>MW</b>
<b>Total IPP</b>	<b>10,343</b>	<b>MW</b>
<b>Total Co-Gen</b>	<b>87</b>	<b>MW</b>
<b>System Total</b>	<b>17,642</b>	<b>MW</b>

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

At Daily Maximum Demand Hour : 16:00	
TNB Generation	6,112 MW
IPP Generation	9,346 MW
Total Set On Bus	16,485 MW
Maximum Demand	15,552 MW
Spinning Reserve	940 MW
Net Energy	322,469 MWH
Load Factor	86.4 %
Total Cost	59,621,030 RM
Cost per Unit	19.16 cents/kWH

**Maximum Demand Record**

<b>Date :</b>	13/05/2013	16,562.0 MW
<b>Date :</b>	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	12948	12297	11849	11458	11098	10979	11084	11322	11631	13334	14141	14868	14776	14577	15159	15472	15552	15142	13855	13534	14697	14676	14267	13874

**Gas Usage**

Station	(mmscfd)
CBPS	84
GLGR	32
PAKA	195
PGPS	53
SRDG	17
TJGS	220
<b>TNB Total</b>	<b>602</b>
KLPP	103
MPSS	57
PDPS	17
PGLA	119
PKLG	113
PLPS	66
PTEK	16
SGB3	58
SGRI	188
SKSP	54
YPKA	130
<b>IPP Total</b>	<b>921</b>
<b>Total Gas</b>	<b>1,523</b>

Total Gas Required : 1,523  
Gas Calorific Value : 38,500

**Generation Mix**

Type	MWh	Percentage
ST-Coal	33,046.00	10.25 %
Gas	77,575.00	24.06 %
Hydro	11,288.00	3.50 %
<b>Total TNB</b>	<b>121,909.0</b>	<b>37.80 %</b>
ST-Coal	82,421.0	25.56 %
ST-Gas	11,016.0	3.42 %
Gas	104,386.0	32.37 %
<b>Total IPP</b>	<b>197,823.0</b>	<b>61.35 %</b>
Co-Gen	2,154.0	0.67 %
<b>Total Co-Gen</b>	<b>2,154.0</b>	<b>0.67 %</b>
<b>Total Generation</b>	<b>321,886.0</b>	<b>99.82 %</b>
PLTG	116.0	0.04 %
HVDC	-699.0	-0.22 %
<b>Interconnection</b>	<b>-583.0</b>	<b>-0.18 %</b>
<b>Net Energy</b>	<b>322,469.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	386
Hydro	159
Syncon	285
Thermal	79
<b>Total</b>	<b>909</b>

	Weather	Temperature
Morning	Sunny	28
Afternoon	Hot	33





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	31	43	43	38	39	43	42	30	43	43	41	44	40	47	35	40	43	42	42	26	36	39	32	77
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	5	5	5	5	5	6	5	5	6	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6
<b>Total Hydro</b>		179	191	182	173	177	202	200	162	203	190	186	208	174	223	170	176	189	210	178	221	205	387	608	1153
PCUF	CUFG	52	53	51	52	52	51	52	53	51	52	52	51	52	53	54	53	52	54	51	51	50	50	51	50
PCUF	CUFK	39	39	42	41	38	39	39	39	40	39	40	40	40	40	41	41	41	40	40	38	38	36	37	35
<b>Total Co-Gen</b>		91	92	93	93	90	90	91	92	91	91	92	90	92	93	94	93	93	95	92	91	90	88	89	86
<b>Total Gen</b>		12980	12598	12231	12058	11888	11768	11471	11235	11102	11029	10933	11033	11051	11359	11284	11167	11591	12489	13269	13813	14110	14542	14816	15021
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		-28	-29	-29	-29	-29	-29	-29	-30	-30	-28	-28	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-30	-30	
TIE-PLTG		60	6	-37	21	68	42	42	65	33	13	-16	-4	-5	9	-9	-40	-11	-36	-35	79	-2	-6	-23	
<b>Interconnection</b>		32	-23	-66	-8	39	13	13	36	4	-17	-46	-32	-33	-20	-38	-69	-40	-66	-65	50	-31	-35	-52	
<b>System Total</b>		12948	12621	12297	12076	11849	11755	11458	11199	11098	11046	10979	11065	11084	11379	11322	11236	11631	12555	13334	13763	14141	14577	14868	15008
SRev ST-Coal		101	78	78	75	78	89	81	90	84	82	79	73	74	81	80	76	85	73	82	81	83	76	79	
SRev ST-Gas		6	83	75	75	75	74	74	74	74	75	75	75	74	74	74	74	85	22	8	4	4	5	5	
SRev CCGT-Gas		424	275	519	670	838	974	1338	1528	1707	1769	1865	1791	1740	1475	1499	1625	1205	762	368	335	116	152	177	
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	
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	
Syncon		726	726	726	726	726	575	575	726	726	726	726	575	726	726	726	575	726	625	726	625	474	0	151	
Hydro		107	95	104	103	109	235	237	124	83	96	100	78	112	214	116	110	97	229	112	171	86	104	233	
<b>S.Reserve Total</b>		1371	1257	1502	1649	1826	1947	2305	2542	2674	2748	2845	2743	2727	2419	2495	2611	2187	1713	1373	1394	1096	1071	1022	