

**Availability At Daily Maximum Demand Hour**

ST-Coal	1,930	MW
ST-Gas	70	MW
ST-Oil	0	MW
Gas	3,570	MW
Hydro	1,763	MW
Distillate	0	MW
<b>Total TNB</b>	<b>7,333</b>	<b>MW</b>
<b>Total IPP</b>	<b>8,885</b>	<b>MW</b>
<b>Total Co-Gen</b>	<b>77</b>	<b>MW</b>
<b>System Total</b>	<b>16,295</b>	<b>MW</b>

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

At Daily Maximum Demand Hour : 20:00	
TNB Generation	5,736 MW
IPP Generation	7,160 MW
Total Set On Bus	13,855 MW
Maximum Demand	12,967 MW
Spinning Reserve	882 MW
Net Energy	273,168 MWH
Load Factor	87.8 %
Total Cost	RM
Cost per Unit	RM

**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	11901	11458	11226	10709	10388	10453	10381	10168	9653	10301	11005	11535	11678	11481	11640	11745	11712	11466	11332	11692	12967	12835	12674	12455

**Gas Usage**

Station	(mmscfd)
CBPS	56
GLGR	65
PAKA	171
PGPS	49
SRDG	8
TJGS	115
<b>TNB Total</b>	<b>465</b>
KLPP	103
MPSS	63
PGLA	116
PKLG	61
PLPS	103
SGRI	224
SKSP	13
YPGS	34
YPKA	132
<b>IPP Total</b>	<b>849</b>
<b>Total Gas</b>	<b>1,314</b>
<b>Total Gas Required :</b>	<b>1,314</b>
<b>Gas Calorific Value :</b>	<b>38.500</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	46,026.00	16.85 %
Gas	58,976.00	21.59 %
Hydro	12,626.00	4.62 %
<b>Total TNB</b>	<b>117,628.0</b>	<b>43.06 %</b>
ST-Coal	43,263.0	15.84 %
ST-Gas	5,974.0	2.19 %
Gas	103,570.0	37.91 %
<b>Total IPP</b>	<b>152,807.0</b>	<b>55.94 %</b>
Co-Gen	1,890.0	0.69 %
<b>Total Co-Gen</b>	<b>1,890.0</b>	<b>0.69 %</b>
<b>Total Generation</b>	<b>272,325.0</b>	<b>99.69 %</b>
PLTG	-142.0	-0.05 %
HVDC	-701.0	-0.26 %
<b>Interconnection</b>	<b>-843.0</b>	<b>-0.31 %</b>
<b>Net Energy</b>	<b>273,168.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	192
Hydro	136
Syncon	434
Thermal	45
<b>Total</b>	<b>807</b>

	Weather	Temperature
Morning	Sunny	26
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																											
Total Hydro		540	541	574	595	526	249	273	265	245	374	394	370	276	179	172	170	206	322	342	458	532	590	573	526	517	489	467	504	507	524	503	522	487	506	406	414	382	565	716	1345	1118	1097	998	941	855	901	720	476			
PCUF	CUFG	44	43	42	43	42	42	43	44	44	43	43	44	46	44	44	43	42	42	41	43	42	43	43	41	41	42	41	42	41	41	40	41	41	43	43	42	42	42	42	41	43	41	42	42	42						
PCUF	CUFK	40	39	39	39	38	41	41	40	39	40	38	40	38	38	37	36	36	36	37	36	35	34	35	35	35	33	35	34	34	35	34	34	35	35	35	35	35	35	36	35	35	34	36	35	36	35	36	35	36	37	
Total Co-Gen		84	82	81	82	80	83	84	84	83	83	81	83	82	84	81	80	79	78	80	78	77	75	78	77	78	78	74	76	76	75	77	75	75	75	76	76	78	78	78	78	77	77	76	77	78	77	77	78	79		
Total Gen		11853	11538	11335	11286	11194	10725	10679	10509	10344	10308	10428	10373	10329	10313	10117	9687	9636	10019	10225	10496	10923	11241	11486	11561	11606	11508	11417	11541	11579	11698	11743	11724	11660	11741	11422	11511	11375	11415	11715	12919	12973	12963	12880	12890	12723	12648	12427	11990			
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		
TIE-HVDC		-30	-30	-30	-30	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-30	-28	-28	-29	-29	-29	-28	-28	-30	-30	-29	-29	-29	-29	-30	-29	-30	-29	-30	-29	-30	-29	-29		
TIE-PLTG		-18	-60	-93	-40	-3	-84	-1	-53	-14	-11	4	65	-23	9	-22	-1	12	14	-46	-39	-53	-113	-20	-100	-43	-15	-35	-88	-33	54	27	-55	-23	-6	-16	29	71	6	52	92	35	135	75	24	79	38	1	11			
Interconnection		-48	-90	-123	-70	-32	-113	-30	-92	-44	-41	-25	36	-52	-20	-51	-30	-17	-15	-76	-69	-82	-142	-49	-129	-72	-44	-64	-118	-61	26	-2	-84	-52	-35	-44	1	41	-24	23	63	6	106	45	-5	49	8	-28	-18			
System Total		11901	11628	11458	11356	11226	10838	10709	10601	10388	10349	10453	10337	10381	10333	10168	9717	9653	10034	10301	10565	11005	11383	11535	11690	11678	11552	11481	11659	11640	11672	11745	11808	11712	11776	11466	11510	11332	11439	11692	12856	12967	12857	12835	12895	12674	12640	12485	12008			
SRev ST-Coal		82	74	143	141	66	65	81	72	122	-18	-17	-19	-58	-13	12	130	279	275	272	155	62	57	55	57	58	57	57	54	55	61	62	57	59	51	68	60	60	54	54	54	51	64	60	51	55	56	51	61			
SRev ST-Gas		0	0	0	0	1	27	40	38	38	38	37	38	37	38	38	37	39	36	8	2	0	0	0	0	0	0	0	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		263	284	73	85	194	454	340	344	268	367	305	368	357	335	551	921	812	705	612	616	525	480	242	161	192	263	328	266	251	297	230	271	298	242	446	453	481	627	846	485	206	191	218	176	253	141	315	389			
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	0	0	0	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	0	0	0	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		625	625	474	474	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	
Hydro		65	64	182	161	77	154	132	138	158	129	109	133	127	123	129	133	147	81	160	296	123	115	130	77	86	114	136	99	96	230	100	227	111	92	194	186	221	270	169	249	325	193	293	250	251	242	187	125			
S.Reserve Total		1035	1047	872	861	963	1325	1218	1217	1211	1141	1059	1145	1088	1209	1456	1947	2001	1826	1806	1549	1337	1277	1052	920	961	1059	1146	1044	1027	1062	1017	1029	1093	1010	1333	1324	1386	1576	1806	936	882	899	1019	928	1009	891	1091	1199			