

**Availability At Daily Maximum Demand Hour**

ST-Coal	1,380 MW
ST-Gas	70 MW
ST-Oil	0 MW
Gas	3,421 MW
Hydro	1,819 MW
Distillate	0 MW
<b>Total TNB</b>	<b>6,690 MW</b>
<b>Total IPP</b>	<b>9,014 MW</b>
<b>Total Co-Gen</b>	<b>46 MW</b>
<b>System Total</b>	<b>16,035 MW</b>

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

At Daily Maximum Demand Hour : 20:30

TNB Generation	5,002 MW
IPP Generation	7,891 MW
Total Set On Bus	13,852 MW
Maximum Demand	12,929 MW
Spinning Reserve	913 MW
Net Energy	273,388 MWH
Load Factor	88.1 %
Total Cost	44,721,090 RM
Cost per Unit	16.90 cents/KWhr

**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	12026	11495	11152	10770	10550	10415	10356	10324	9862	10364	11009	11412	11600	11613	11651	11589	11808	11585	11233	11795	12840	12853	12710	12249

**Gas Usage**

Station	(mmscfd)
CBPS	36
GLGR	65
PAKA	145
PGPS	53
SRDG	9
TJGS	160
<b>TNB Total</b>	<b>468</b>
KLPP	112
MPSS	50
PGLA	114
PLPS	105
SGB3	73
SGRI	192
SKSP	57
YPGS	66
YPKA	64
<b>IPP Total</b>	<b>833</b>
<b>Total Gas</b>	<b>1,301</b>
Total Gas Required :	1,301
Gas Calorific Value :	38.500

**Generation Mix**

Type	MWh	Percentage
ST-Coal	32,648.00	11.94 %
Gas	60,718.00	22.21 %
Hydro	9,455.00	3.46 %
<b>Total TNB</b>	<b>102,821.0</b>	<b>37.61 %</b>
ST-Coal	60,667.0	22.19 %
Gas	109,376.0	40.01 %
<b>Total IPP</b>	<b>170,043.0</b>	<b>62.20 %</b>
Co-Gen	1,122.0	0.41 %
<b>Total Co-Gen</b>	<b>1,122.0</b>	<b>0.41 %</b>
<b>Total Generation</b>	<b>273,986.0</b>	<b>100.22 %</b>
PLTG	-135.0	-0.05 %
HVDC	733.0	0.27 %
Interconnection	598.0	0.22 %
<b>Net Energy</b>	<b>273,388.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	152
Hydro	181
Syncon	404
Thermal	63
<b>Total</b>	<b>801</b>

**Weather Temperature**

	Weather	Temperature
Morning	Sunny	25
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																											
Total Co-Gen		45	43	45	46	45	43	43	44	45	44	45	47	47	48	51	51	52	48	50	49	49	46	48	46	50	48	47	47	46	45	45	43	44	46	46	49	49	47	48	47	47	46	47	48	47	47	48	48			
Total Gen		12082	11916	11491	11298	11167	10859	10797	10595	10534	10539	10442	10450	10389	10517	10306	10004	9916	9975	10374	10607	11036	11285	11420	11743	11625	11625	11615	11528	11681	11768	11614	11729	11784	11792	11673	11446	11356	11411	11890	12615	12872	12929	12890	12858	12726	12479	12275	11985			
TIE-BGAT		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	31	31	30	30	31	31	31	31	31	31	31	31	30	30	31	31	31	31	31	30	31	31	30	30	31	31	30	30	30	29	31	31	31	31	31	31	31	31	31	31	31	30	30			
TIE-PLTG		26	16	-34	-108	-15	8	-4	15	-46	-3	-4	-44	2	-13	-49	29	23	-26	-20	-56	-4	-37	-23	-44	-6	-3	-29	-77	0	-97	-6	-40	-54	15	57	-26	93	74	66	-35	1	-21	6	-4	-15	17	-4	96			
Interconnection		56	46	-4	-78	15	39	27	45	-16	28	27	-13	33	18	-18	60	54	56	10	-25	27	-6	8	-14	25	28	2	-47	30	-66	25	70	-24	46	88	4	123	104	95	-4	32	10	37	27	16	48	26	126			
<b>System Total</b>		12026	11870	11495	11376	11152	10820	10770	10550	10550	10511	10415	10463	10356	10499	10324	9944	9862	9919	10364	10632	11009	11291	11412	11757	11600	11597	11613	11575	11651	11834	11589	11659	11808	11746	11585	11442	11233	11307	11795	12619	12846	12929	12853	12831	12710	12431	12249	11859			
SRev ST-Coal		19	16	7	4	8	14	6	10	-1	5	11	5	0	7	128	204	233	267	205	226	130	78	76	87	74	80	83	82	79	73	83	85	68	82	67	83	82	95	70	69	71	78	74	82	85	82	80	84			
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
SRev CCGT-Gas		239	338	220	240	203	403	300	503	595	592	656	678	740	690	802	1114	1245	1233	787	591	569	578	411	376	271	188	125	218	119	129	209	289	235	161	268	519	580	524	292	197	141	87	123	85	67	158	127	127			
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	58	-5	-5	-6	-7	-6	44	5	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	
Syncon		430	430	732	732	732	732	732	732	732	732	732	732	732	732	732	732	732	495	646	646	495	646	344	344	344	495	495	580	580	429	731	731	731	731	731	731	731	731	625	474	474	474	474	474	474	474	625	625			
Hydro		271	271	109	84	89	126	129	125	106	97	125	103	107	108	109	131	106	102	215	82	84	206	91	147	257	182	250	245	193	101	316	125	117	96	128	91	121	107	122	160	300	279	298	262	407	266	155	98			
<b>S.Reserve Total</b>		959	1055	1068	1052	1032	1275	1167	1370	1432	1426	1524	1518	1579	1537	1771	2181	2316	2334	1707	1550	1434	1362	1229	959	951	799	958	1045	976	888	1042	1235	1156	1075	1194	1424	1514	1457	1109	958	981	913	963	896	1027	1024	992	934			