

**Availability At Daily Maximum Demand Hour**

ST-Coal	1,380	MW
ST-Gas	70	MW
ST-Oil	0	MW
Gas	4,380	MW
Hydro	1,515	MW
Distillate	0	MW
<b>Total TNB</b>	<b>7,345</b>	<b>MW</b>
<b>Total IPP</b>	<b>10,075</b>	<b>MW</b>
<b>Total Co-Gen</b>	<b>88</b>	<b>MW</b>
<b>System Total</b>	<b>17,508</b>	<b>MW</b>

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

At Daily Maximum Demand Hour : 16:00

TNB Generation	6,229	MW
IPP Generation	9,312	MW
Total Set On Bus	16,600	MW
Maximum Demand	15,677	MW
Spinning Reserve	971	MW
Net Energy	327,883	MWH
Load Factor	87.1	%
Total Cost	65,889,081	RM
Cost per Unit	20.79	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	13235	12548	12152	11718	11431	11267	11385	11425	11778	13484	14350	15043	14986	14798	15316	15570	15677	15380	14143	13860	14976	14910	14404	14085

**Gas Usage**

Station	(mmscfd)
CBPS	102
GLGR	32
PAKA	195
PGPS	54
SRDG	42
TJGS	226
<b>TNB Total</b>	<b>651</b>
KLPP	120
MPSS	60
PDPS	38
PGLA	119
PKLG	120
PLPS	69
PTEK	45
SGB3	70
SGRI	204
SKSP	56
YPKA	131
<b>IPP Total</b>	<b>1,031</b>
<b>Total Gas</b>	<b>1,682</b>
<b>Total Gas Required :</b>	<b>1,682</b>
<b>Gas Calorific Value :</b>	<b>38.500</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	33,048.00	10.08 %
Gas	82,963.00	25.30 %
Hydro	9,886.00	3.02 %
<b>Total TNB</b>	<b>125,897.0</b>	<b>38.40 %</b>
ST-Coal	71,023.0	21.66 %
ST-Gas	11,745.0	3.58 %
Gas	115,926.0	35.36 %
<b>Total IPP</b>	<b>198,694.0</b>	<b>60.60 %</b>
Co-Gen	2,183.0	0.67 %
<b>Total Co-Gen</b>	<b>2,183.0</b>	<b>0.67 %</b>
<b>Total Generation</b>	<b>326,774.0</b>	<b>99.66 %</b>
PLTG	-410.0	-0.13 %
HVDC	-699.0	-0.21 %
<b>Interconnection</b>	<b>-1,109.0</b>	<b>-0.34 %</b>
<b>Net Energy</b>	<b>327,883.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	342
Hydro	160
Syncon	379
Thermal	73
<b>Total</b>	<b>954</b>

**Weather Temperature**

	Weather	Temperature
Morning	Sunny	27
Afternoon	Hot	36





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	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
PGAU	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
PGAU	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
PGAU	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
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	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	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	32	31	30	29	33	26	35	31	35	32	30	36	29	30	34	30	37	37	37	37	39	60	61	57
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	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Total Hydro		389	211	172	190	177	167	213	172	200	201	189	170	171	209	172	170	189	177	233	213	218	558	898	905
PCUF	CUFG	52	53	53	51	54	53	52	52	53	54	55	53	52	52	53	51	53	55	53	53	52	52	53	53
PCUF	CUFK	39	39	40	40	40	38	40	39	39	40	40	41	40	40	37	36	36	37	36	35	34	34	34	33
Total Co-Gen		91	92	93	91	94	93	90	92	92	93	93	94	96	93	92	91	93	91	91	94	92	90	87	89
Total Gen		13161	12717	12547	12231	12055	11738	11670	11451	11378	11310	11194	11111	11297	11545	11389	11281	11701	12612	13502	13967	14286	14716	15017	15188
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	-29	-29	-29	-29	-29	-29	-29	-28	-28	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29
TIE-PLTG		-45	-36	28	-53	-68	-81	-19	-30	-24	-42	-45	-25	-59	-38	-7	-15	-47	-8	47	58	-35	4	4	
Interconnection		-74	-65	-1	-82	-97	-110	-48	-59	-53	-70	-73	-54	-88	-67	-36	-43	-77	-37	18	29	-64	-26	-26	
System Total		13235	12782	12548	12313	12152	11848	11718	11510	11431	11380	11267	11165	11385	11612	11425	11324	11778	12649	13484	13938	14350	14742	15043	15220
SRev ST-Coal		81	86	86	121	86	29	43	82	105	83	27	-13	-60	95	89	73	64	57	59	56	72	80	63	64
SRev ST-Gas		5	5	5	45	79	75	75	75	75	76	76	75	75	74	74	75	79	49	15	6	2	4	4	4
SRev CCGT-Gas		398	419	202	239	287	574	651	850	948	1041	1196	1301	1165	939	1063	1184	1057	930	318	243	246	221	310	251
SRev OCGT-Gas		49	0	0	0	0	0	0	0	0	0	0	0	0	0	169	242	149	72	156	52	150	58	53	54
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		625	731	731	731	731	731	731	731	731	731	731	731	731	726	726	726	726	726	575	726	726	625	302	302
Hydro		103	75	114	96	111	121	75	114	237	236	97	117	117	79	116	116	97	109	204	73	70	153	221	214
S.Reserve Total		1261	1316	1138	1232	1294	1530	1575	1852	1945	2016	2127	2211	2028	1918	2068	2174	2023	1871	1340	1346	1265	1135	1056	887