

**Availability At Daily Maximum Demand Hour**

ST-Coal	2,030	MW
ST-Gas	70	MW
ST-Oil	0	MW
Gas	4,290	MW
Hydro	1,820	MW
Distillate	0	MW
<b>Total TNB</b>	<b>8,210</b>	<b>MW</b>
<b>Total IPP</b>	<b>9,008</b>	<b>MW</b>
<b>Total Co-Gen</b>	<b>80</b>	<b>MW</b>
<b>System Total</b>	<b>17,298</b>	<b>MW</b>

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

At Daily Maximum Demand Hour : 21:00	
TNB Generation	5,849 MW
IPP Generation	6,869 MW
Total Set On Bus	13,729 MW
Maximum Demand	12,822 MW
Spinning Reserve	931 MW
Net Energy	270,182 MWH
Load Factor	87.8 %
Total Cost	43,918,190.95 RM
Cost per Unit	172.26 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	11812	11111	10830	10396	10292	10153	10206	10053	9625	10240	10901	11438	11591	11519	11807	11767	11582	11537	11301	11671	12811	12822	12574	12175

**Gas Usage**

Station	(mmscfd)
CBPS	43
GLGR	65
PAKA	167
PGPS	36
TYGS	222
<b>TNB Total</b>	<b>534</b>
KLPP	113
MPSS	45
PGLA	108
PKLG	30
PLPS	94
SGB3	4
SGRI	170
SKSP	51
YPGS	34
YPKA	90
<b>IPP Total</b>	<b>739</b>
<b>Total Gas</b>	<b>1,272</b>
Total Gas Required :	1,272
Gas Calorific Value :	38,500

**Generation Mix**

Type	MWh	Percentage
ST-Coal	38,080.00	14.09 %
Gas	70,428.00	26.07 %
Hydro	14,369.00	5.32 %
<b>Total TNB</b>	<b>122,877.0</b>	<b>45.48 %</b>
ST-Coal	44,029.0	16.30 %
ST-Gas	2,933.0	1.09 %
ST-Oil	4,792.0	1.77 %
Gas	92,779.0	34.34 %
<b>Total IPP</b>	<b>144,533.0</b>	<b>53.49 %</b>
Co-Gen	1,896.0	0.70 %
<b>Total Co-Gen</b>	<b>1,896.0</b>	<b>0.70 %</b>
<b>Total Generation</b>	<b>269,306.0</b>	<b>99.68 %</b>
PLTG	-469.0	-0.17 %
HVDC	-407.0	-0.15 %
<b>Interconnection</b>	<b>-876.0</b>	<b>-0.32 %</b>
<b>Net Energy</b>	<b>270,182.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	231
Hydro	96
Syncon	477
Thermal	59
<b>Total</b>	<b>863</b>

	Weather	Temperature
Morning	Sunny	28
Afternoon	Hot	32





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	568	550	546	558	550	570	558	556	554	546	534	557	584	558	577	538	543	576	556	556	550	550	807	808	713	605	643	601	696	683	670	673	543	541	535	550	549	539	576	854	741	738	595	605	591	603	612	418			
PCUF CUGF	42	41	40	38	40	39	40	41	42	43	43	44	42	42	43	43	42	47	46	46	43	45	43	45	46	47	47	48	49	47	47	47	47	47	47	47	47	48	46	47	49	46	47	47	47	47	47	47	47		
PCUF CUFK	34	35	36	36	38	37	38	38	36	37	37	38	38	38	37	39	38	37	36	36	35	38	38	34	32	33	31	31	31	31	32	32	34	33	33	32	34	34	34	34	34	34	34	34	32	34	33	35	33		
Total Co-Gen	76	76	76	74	78	76	78	79	78	80	80	82	80	80	80	80	81	81	78	77	78	78	81	80	81	78	79	74	76	74	76	78	79	81	81	82	79	81	81	81	81	82	80	79	83	79	82	80			
Total Gen	11801	11558	11168	10973	10803	10577	10373	10312	10233	10195	10183	10072	10154	10092	10031	9694	9577	9838	10175	10531	10854	11190	11427	11517	11480	11458	11578	11602	11701	11697	11705	11750	11571	11641	11560	11261	11253	11181	11580	12664	12858	12700	12798	12625	12582	12315	12132	11695			
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	0	
TIE-HVDC	-29	-29	-29	-29	-29	-30	-30	-29	-29	-28	-28	-30	-30	-29	-29	-28	-28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30		
TIE-PLTG	18	-18	86	-9	2	-18	7	-16	-30	0	58	27	-22	-65	7	62	-20	-91	-65	-119	-47	0	-11	-78	-111	-42	59	-105	-106	22	-62	41	-11	-17	23	-160	-47	-6	-62	-10	76	28	5	-72	7	-49	-14	17			
Interconnection	-11	-47	57	-38	-27	-48	-23	-45	-59	-28	30	-3	-52	-94	-22	34	-48	-91	-65	-119	-47	0	-11	-78	-111	-42	59	-105	-106	22	-62	41	-11	-17	23	-160	-48	-35	-91	-39	47	-1	-24	-101	-22	-78	-43	-13			
System Total	11812	11605	11111	11011	10830	10625	10396	10357	10292	10223	10153	10075	10206	10186	10053	9660	9625	9929	10240	10650	10901	11190	11438	11595	11591	11500	11519	11707	11807	11675	11767	11709	11582	11658	11537	11421	11301	11186	11671	12703	12811	12701	12822	12726	12574	12393	12175	11708			
SRev ST-Coal	57	52	56	52	54	52	55	60	56	57	62	54	61	51	58	57	55	59	59	52	51	61	58	51	55	55	61	64	64	67	-2	95	94	31	119	63	61	88	68	20	79	106	94	85	94	53	63	74			
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 ST-Oil	-1	-1	-2	-3	-3	-2	-2	-2	-1	-2	-2	-2	-2	-2	-1	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-1	23	42	42	40	41	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
SRev CCGT-Gas	724	744	515	305	468	493	684	739	818	850	845	989	909	955	1013	1313	1438	1195	835	765	605	259	398	290	229	245	170	196	243	309	338	502	625	698	959	1295	1269	1357	997	273	208	350	129	135	353	462	300	620			
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	625	625	625	625	625	625	625	625	474	625	474	625	474	625	625	625	474	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	474	731	
Hydro	79	75	79	67	75	55	67	69	72	80	91	68	192	67	199	87	82	199	70	70	76	76	170	169	263	121	32	74	129	142	155	152	86	88	94	80	81	90	205	126	89	92	85	75	89	77	219	106			
S.Reserve Total	1484	1495	1273	1046	1219	1223	1429	1491	1570	1610	1621	1734	1634	1696	1743	2080	2198	1925	1587	1510	1355	1019	1098	982	1019	1044	886	957	1059	1149	1146	1426	1487	1499	1867	2108	2118	2211	1783	934	1006	1175	931	923	1163	1220	1059	1534			