

**Availability At Daily Maximum Demand Hour**

ST-Coal	1,380 MW
ST-Gas	70 MW
ST-Oil	0 MW
Gas	3,811 MW
Hydro	1,819 MW
Distillate	0 MW
<b>Total TNB</b>	<b>7,080 MW</b>
<b>Total IPP</b>	<b>8,531 MW</b>
<b>Total Co-Gen</b>	<b>50 MW</b>
<b>System Total</b>	<b>15,661 MW</b>

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

At Daily Maximum Demand Hour : 20:30	
TNB Generation	5,181 MW
IPP Generation	7,402 MW
Total Set On Bus	13,490 MW
Maximum Demand	12,705 MW
Spinning Reserve	857 MW
Net Energy	262,675 MWH
Load Factor	86.1 %
Total Cost	44,773,701 RM
Cost per Unit	18.07 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	11663	11069	10769	10432	10209	9877	9807	9869	9312	9862	10363	10941	10918	10973	11152	11152	11194	11022	11054	11214	12627	12659	12390	11980

**Gas Usage**

Station	(mmscfd)
CBPS	56
GLGR	65
PAKA	166
PGPS	35
SRDG	5
TJGS	113
<b>TNB Total</b>	<b>442</b>
KLPP	113
MPSS	60
PGLA	111
PLPS	103
SGB3	55
SGRI	197
SKSP	21
YPGS	32
YPKA	132
<b>IPP Total</b>	<b>823</b>
<b>Total Gas</b>	<b>1,265</b>

Total Gas Required : 1,333  
Gas Calorific Value : 38,500

**Alternate Fuel Usage**

Station	(mmscfd)
PKLG	69
<b>Total</b>	<b>69</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	32,115.00	12.23 %
Gas	55,336.00	21.07 %
Hydro	14,288.00	5.44 %
<b>Total TNB</b>	<b>101,739.0</b>	<b>38.73 %</b>
ST-Coal	44,266.0	16.85 %
ST-Oil	6,774.0	2.58 %
Gas	107,948.0	41.10 %
<b>Total IPP</b>	<b>158,988.0</b>	<b>60.53 %</b>
Co-Gen	1,211.0	0.46 %
<b>Total Co-Gen</b>	<b>1,211.0</b>	<b>0.46 %</b>
<b>Total Generation</b>	<b>261,938.0</b>	<b>99.72 %</b>
PLTG	-40.0	-0.02 %
HVDC	-697.0	-0.27 %
Interconnection	-737.0	-0.28 %
<b>Net Energy</b>	<b>262,675.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	273
Hydro	133
Syncon	457
Thermal	14
<b>Total</b>	<b>877</b>

	Weather	Temperature
Morning	Sunny	25
Afternoon	Hot	33





Daily MW Generation On Sunday

19-Jan-2014

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																										
UPIA HY02	4	5	5	5	5	5	5	5	5	5	5	5	5	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4										
Total Hydro	611	414	466	454	487	430	528	459	534	482	406	401	409	446	370	434	398	451	398	490	467	532	535	498	522	584	584	568	592	595	669	632	691	714	682	662	523	523	557	908	1113	1118	1081	1020	983	978	649	537		
PCUF CUFG	10	11	11	11	11	11	12	13	15	13	13	12	12	15	13	13	14	12	12	12	12	11	12	12	13	12	12	12	12	11	11	11	10	11	10	11	10	11	11	12	9	11	12	11	11	12	12	10	12	
PCUF CUFK	38	41	38	39	38	39	38	37	38	39	37	40	37	39	40	40	38	38	39	38	38	39	38	39	40	39	38	38	39	38	39	40	40	39	39	40	40	39	38	40	38	39	39	39	39	37	38	39		
Total Co-Gen	48	52	49	50	49	50	50	53	52	50	52	49	54	53	53	52	50	51	50	50	50	53	51	52	52	51	50	50	51	49	50	49	48	50	49	51	51	51	51	47	51	50	50	50	51	49	48	51		
Total Gen	11653	11212	11074	10915	10702	10571	10424	10121	10177	10038	9822	9776	9825	9909	9821	9496	9296	9519	9849	10088	10370	10642	10893	11085	10955	10949	10942	11002	11111	11164	11226	11144	11162	10956	10974	10969	10933	10882	11155	12303	12615	12633	12617	12568	12328	12421	11933	11696		
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		
TIE-HVDC	-29	-29	-29	-28	-28	-29	-29	-30	-30	-29	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-29	-30	-30	-30	-30	-30	-30	-28	-28	-28	-30	-28	-30	-28	-28	-30	-29	-28	-28	-28	-30	-28	-30	-30	-28	-28	-28	-28		
TIE-PLTG	19	34	34	45	39	35	21	29	-2	28	-2	47	-33	-19	-6	14	41	16	35	36	-32	-18	-13	67	-25	-1	49	-13	-20	104	-1	-2	-6	-20	47	-91	-51	-31	-51	16	-42	-14	-57	-32	14	-19	-7			
Interconnection	-10	-63	5	17	-67	-64	-8	-1	-32	-1	-55	-31	18	-62	-48	-36	-16	12	-13	6	7	-62	-48	-43	37	-55	-31	21	-41	-48	74	-29	-32	-36	-48	19	-121	-80	-59	-79	-12	-72	-42	-87	-62	-14	-47	-35		
System Total	11663	11275	11069	10898	10769	10635	10432	10122	10209	10039	9877	9807	9807	9971	9869	9532	9312	9507	9862	10082	10363	10704	10941	11128	10918	11004	10973	10981	11152	11212	11152	11173	11194	10992	11022	10950	11054	10962	11214	12382	12627	12705	12659	12655	12390	12435	11980	11731		
SRev ST-Coal	15	8	13	16	6	10	57	49	123	123	123	124	133	128	121	148	143	138	131	145	79	65	48	0	14	2	9	7	4	1	10	3	58	2	16	8	13	14	26	22	9	19	21	20	14	12	22	16		
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
SRev ST-Oil	3	3	4	2	2	4	2	3	3	3	3	2	2	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	3	3	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
SRev CCGT-Gas	69	329	197	225	347	67	266	510	454	539	679	721	667	631	652	998	1192	1048	816	930	706	506	421	312	450	539	534	453	373	331	361	416	397	383	810	885	884	970	776	51	110	84	60	50	200	40	255	388		
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	29	61	60	60	60	127	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
Syncon	625	625	625	625	625	731	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	168	110	163	175	142	93	101	170	95	147	223	228	220	334	259	346	231	178	231	139	162	248	94	131	157	95	95	111	87	84	110	147	88	216	97	117	106	106	223	276	243	238	275	336	373	529	352	92		
S.Reserve Total	880	1075	1002	1043	1122	905	1051	1357	1300	1437	1653	1700	1647	1570	1660	1969	2194	1992	1805	1841	1574	1297	1190	1070	1248	1263	1265	1199	1092	1043	1108	1194	1171	1078	1551	1638	1631	1718	1502	1006	879	857	872	922	1170	886	1085	1124		