

**Availability At Daily Maximum Demand Hour**

ST-Coal	2,070 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,481 MW
Hydro	1,584 MW
Distillate	760 MW
<b>Total TNB</b>	<b>7.895 MW</b>
<b>Total IPP</b>	<b>9,689 MW</b>
<b>Total Co-Gen</b>	<b>50 MW</b>
<b>System Total</b>	<b>17,634 MW</b>

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

At Daily Maximum Demand Hour : 20:00

TNB Generation	6,092 MW
IPP Generation	8,146 MW
Total Set On Bus	15,522 MW
Maximum Demand	14,365 MW
Spinning Reserve	1,234 MW
Net Energy	312,664 MWH
Load Factor	90.7 %
Total Cost	63,868,963 RM
Cost per Unit	21.06 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	13331	12527	12228	11759	11648	11345	11500	11021	11160	12482	13359	13930	14003	13680	13951	14071	14063	13596	13236	13279	14365	14303	13879	13576

**Gas Usage**

Station	(mmscfd)
CBPS	38
GLGR	65
PAKA	170
PGPS	14
TJGS	200
<b>TNB Total</b>	<b>488</b>
KLPP	62
MPSS	61
PDPS	1
PGLA	82
PKLG	29
PLPS	90
SGB3	39
SGRI	129
SKSP	56
YPGS	67
YPKA	128
<b>IPP Total</b>	<b>745</b>
<b>Total Gas</b>	<b>1,232</b>

Total Gas Required : 1,497  
Gas Calorific Value : 38.500

**Alternate Fuel Usage**

Station	(mmscfd)
CBPS	30
KLPP	19
PDPS	28
PGLA	29
PGPS	28
PKLG	41
PLPS	21
PTEK	15
SGRI	39
SRDG	14
<b>Total</b>	<b>265</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	45,094.00	14.42 %
Gas	64,063.00	20.49 %
Hydro	9,994.00	3.20 %
Distillate	7,712.00	2.47 %
<b>Total TNB</b>	<b>126,863.0</b>	<b>40.57 %</b>
ST-Coal	66,860.0	21.38 %
ST-Gas	2,763.0	0.88 %
ST-Oil	4,020.0	1.29 %
Gas	98,634.0	31.55 %
Distillate	12,956.0	4.14 %
<b>Total IPP</b>	<b>185,233.0</b>	<b>59.24 %</b>
Co-Gen	1,209.0	0.39 %
<b>Total Co-Gen</b>	<b>1,209.0</b>	<b>0.39 %</b>
<b>Total Generation</b>	<b>313,305.0</b>	<b>100.21 %</b>
PLTG	-86.0	-0.03 %
HVDC	727.0	0.23 %
<b>Interconnection</b>	<b>641.0</b>	<b>0.21 %</b>
<b>Net Energy</b>	<b>312,664.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	632
Hydro	202
Syncon	525
Thermal	77
<b>Total</b>	<b>1436</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	
PKLG	U004	282	285	281	283	281	284	278	282	279	279	281	283	283	283	283	283	281	281	281	282	280	280	279	280	284
PKLG	U006	463	469	469	461	467	470	461	462	465	467	464	474	470	467	474	476	472	476	467	463	466	466	466	460	460
JMIG	U001	502	501	492	457	457	449	449	448	449	449	448	451	557	596	652	689	690	684	686	687	686	683	683	688	684
JMIG	U002	549	544	497	449	455	454	456	453	455	455	454	453	548	591	651	690	689	691	688	689	692	689	694	690	690
JMIG	U003	548	548	514	448	448	455	456	458	452	456	454	452	520	570	646	691	688	689	690	684	686	655	669	662	693
TBIN	U001	675	674	675	673	675	677	673	676	673	668	674	676	675	672	680	648	648	679	674	669	672	675	672	672	673
TBIN	U003	674	676	674	672	676	676	673	676	673	670	676	674	670	676	675	671	676	676	674	672	675	674	674	676	676
JMAH	U001	705	700	701	701	714	706	698	697	702	653	597	599	705	700	707	670	672	709	702	694	714	707	699	702	702
Total ST-Coal		4398	4397	4303	4144	4173	4171	4144	4152	4148	4097	4048	4062	4432	4546	4768	4794	4792	4891	4864	4839	4873	4831	4833	4833	4865
PKLG	U001	285	284	241	206	203	202	205	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PKLG	U002	282	282	244	208	202	202	201	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total ST-Gas		567	566	485	414	405	404	407	201	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PKLG	U001	0	0	0	0	0	0	0	203	277	285	249	189	189	189	189	189	0	0	0	0	0	0	0	0	0
PKLG	U002	0	0	0	0	0	0	0	206	261	283	281	280	280	275	279	0	0	0	0	0	0	0	0	0	0
Total ST-Oil		0	0	0	0	0	0	203	483	546	532	470	469	469	464	468	0	0	0	0	0	0	0	0	0	0
CBPS	GT1A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
CBPS	GT1B	87	88	9	0	0	0	0	0	0	0	0	0	8	28	62	47	99	92	81	94	94	94	93	93	
CBPS	ST1C	42	40	0	0	0	0	0	0	0	0	0	0	15	44	46	74	101	103	101	101	93	100	100	96	
GLGR	GT01	110	110	110	110	109	109	110	110	111	111	111	110	111	109	109	108	108	108	109	107	107	107	107	106	106
GLGR	GT02	112	112	112	113	112	112	113	113	113	113	114	114	113	113	112	111	112	111	111	110	110	110	109	109	109
GLGR	ST1C	101	100	101	100	100	100	100	100	101	101	101	101	101	101	101	100	100	99	99	99	99	99	99	99	99
KLPP	GT11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
KLPP	GT12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
KLPP	GT13	146	145	146	145	143	146	146	146	146	147	147	146	134	75	75	75	146	145	145	144	146	145	145	144	145
KLPP	GT15	151	151	153	153	152	153	153	153	151	151	152	152	152	135	71	71	86	45	0	0	0	0	0	0	0
KLPP	ST17	136	136	135	135	136	136	136	136	134	132	135	134	134	128	87	91	91	131	113	157	157	157	157	157	156
MPSS	GT01	108	108	109	109	108	108	110	108	110	110	109	109	109	109	76	66	65	88	109	107	105	104	104	103	103
MPSS	GT02	108	110	109	110	110	110	109	108	110	110	109	109	109	79	66	69	89	109	108	106	106	106	105	105	105
MPSS	ST01	112	112	111	111	111	111	112	112	112	112	112	112	112	80	56	56	73	110	111	111	110	110	110	109	109
PAKA	GT1A	89	90	89	89	89	28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PAKA	GT1B	87	87	87	87	87	60	63	87	88	88	87	87	87	88	66	64	65	66	87	85	85	84	83	83	83
PAKA	ST1C	81	81	81	81	81	28	30	35	34	34	34	34	35	35	35	35	35	35	35	35	34	34	34	34	35
PAKA	GT2A	90	91	92	90	90	90	89	91	90	89	89	90	91	89	66	64	66	66	91	90	89	89	86	86	85
PAKA	GT2B	90	90	90	90	90	91	91	91	92	92	91	92	92	65	63	65	65	90	88	89	88	87	87	87	87
PAKA	ST2C	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85
PAKA	GT3A	86	86	86	86	86	85	85	86	86	86	86	86	86	87	87	86	64	65	66	85	84	85	83	83	82
PAKA	GT3B	86	86	86	86	86	86	86	86	87	87	87	86	86	87	87	86	64	65	66	85	84	85	83	83	82
PAKA	ST3C	77	77	77	77	77	76	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77
PAKA	GT4A	78	78	78	78	78	78	78	78	78	78	78	78	78	79	79	78	78	78	78	78	78	78	78	78	78
PAKA	GT4B	79	80	79	79	79	79	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80
PAKA	ST4C	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87
PGLA	GT11	200	171	217	227	221	215	216	242	220	220	221	220	216	157	158	161	228	237	161	160	202	230	231	229	227
PGLA	GT12	197	169	216	228	223	214	218	234	220	219	218	229	216	155	163	229	228	155	0	0	0	0	0	0	0
PGLA	ST10	228	200	240	246	242	235	243	245	237	238	238	239	235	194	203	233	250	199	176	208	228	230	230	229	228
PGPS	GT3A	98	84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PGPS	GT3B	95	84	83	82	83	84	95	96	95	96	96	96	83	83	83	87	83	84	83	0	0	0	0	0	0
PGPS	ST3C	91	77	37	37	36	36	43	43	44	44	44	44	35	36	37	37	37	39	60	0	0	0	0	0	0
SGB3	GT32	111	111	112	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SGB3	GT33	105	105	105	115	138	137	139	138	137	140	128	137	120	120	119	123	135	138	121	140	122	139	125	126	123





*Daily MW Generation On Saturday*
*24-May-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																								
S.Reserve Total		1328	1592	1647	1252	1532	1811	1604	1481	1604	1493	1661	1529	1649	1650	2501	2732	2096	1795	1774	1505	1663	1270	1448	1275	1480	1535	1607	1488	1350	1318	1411	1469	1483	1407	1685	1916	2055	2218	2054	1481	1234	1241	1253	1370	1551	1618	1515	1250