

**Availability At Daily Maximum Demand Hour**

ST-Coal	2,070 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,677 MW
Hydro	1,559 MW
Distillate	564 MW
<b>Total TNB</b>	<b>7,870 MW</b>
<b>Total IPP</b>	<b>8,780 MW</b>
<b>Total Co-Gen</b>	<b>49 MW</b>
<b>System Total</b>	<b>16,699 MW</b>

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

At Daily Maximum Demand Hour : 15:00	
TNB Generation	7,411 MW
IPP Generation	8,322 MW
Total Set On Bus	16,682 MW
Maximum Demand	16,189 MW
Spinning Reserve	900 MW
Net Energy	333,453 MWH
Load Factor	85.8 %
Total Cost	71,671,638 RM
Cost per Unit	22.50 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	12821	12067	11748	11492	11165	10906	11373	11263	12115	14276	15202	15968	15821	15643	16099	16189	15950	15694	14446	14334	15194	14986	14492	14162

**Gas Usage**

Station	(mmscfd)
CBPS	58
GLGR	66
PAKA	160
PGGS	1
PGPS	44
SRDG	73
TJGS	220
<b>TNB Total</b>	<b>623</b>
KLPP	115
MPSS	49
PDPS	1
PGLA	111
PKLG	19
PLPS	102
PTEK	48
SGB3	70
SGRI	178
YPGS	67
YPKA	116
<b>IPP Total</b>	<b>876</b>
<b>Total Gas</b>	<b>1,499</b>
Total Gas Required :	1,710
Gas Calorific Value :	38.500

**Alternate Fuel Usage**

Station	(mmscfd)
CBPS	35
PDPS	47
PGGS	26
PKLG	85
PTEK	16
SRDG	3
<b>Total</b>	<b>211</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	49,368.00	14.81 %
Gas	78,254.00	23.47 %
Hydro	13,274.00	3.98 %
Distillate	6,746.00	2.02 %
<b>Total TNB</b>	<b>147,642.0</b>	<b>44.28 %</b>
ST-Coal	57,392.0	17.21 %
ST-Gas	209.0	0.06 %
ST-Oil	8,330.0	2.50 %
Gas	111,153.0	33.33 %
Distillate	5,603.0	1.68 %
<b>Total IPP</b>	<b>182,687.0</b>	<b>54.79 %</b>
Co-Gen	1,380.0	0.41 %
<b>Total Co-Gen</b>	<b>1,380.0</b>	<b>0.41 %</b>
<b>Total Generation</b>	<b>331,709.0</b>	<b>99.48 %</b>
PLTG	293.0	0.09 %
HVDC	-2,037.0	-0.61 %
<b>Interconnection</b>	<b>-1,744.0</b>	<b>-0.52 %</b>
<b>Net Energy</b>	<b>333,453.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	504
Hydro	235
Syncon	237
Thermal	85
<b>Total</b>	<b>1061</b>

**Weather Temperature**

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																									
PKLG	U004	283	283	283	283	285	285	285	283	281	281	283	281	283	283	279	279	279	277	281	283	281	283	282	282	280	284	282	283	283	281	282	280	278	280	282	282	283												
PKLG	U006	464	464	460	467	464	464	464	467	467	464	463	466	462	458	468	451	463	463	466	463	464	461	464	464	467	464	467	457	460	463	463	469	460	460	464	461	464	461	467	458	460								
JMUG	U001	683	682	682	680	679	683	686	680	683	685	683	682	683	685	683	686	684	686	685	683	680	679	682	683	682	686	683	683	682	683	681	684	684	681	681	685	680	679	684	682	683	685							
JMUG	U002	687	688	692	692	687	687	691	692	689	692	690	691	691	689	689	690	689	691	690	690	689	691	691	693	689	690	687	696	689	691	689	691	690	689	691	688	690	684	691	687	690	688	688	690	692	689	688		
JMUG	U003	685	685	684	682	688	683	686	684	683	684	686	683	687	686	686	684	683	683	686	686	681	683	689	686	682	682	683	684	683	684	684	684	686	686	686	686	686	686	686	686	680	684	684	684	686				
TBIN	U001	671	670	673	672	673	670	674	671	674	673	673	674	674	670	673	672	674	673	672	674	673	672	673	671	670	673	675	674	673	672	674	673	674	675	672	672	675	674	672	673	672	673	672	672	672				
TBIN	U003	675	677	675	677	675	675	677	671	676	675	675	674	672	675	679	678	674	675	676	672	675	671	671	672	646	675	678	676	676	678	675	676	677	672	672	674	675	676	674	674	671	674	677	674	672	673	673		
JMAH	U001	702	701	702	703	701	701	703	699	700	701	643	603	600	600	595	602	602	603	498	501	402	375	242	211	206	93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Total ST-Coal		4850	4850	4851	4856	4852	4848	4866	4847	4853	4855	4796	4750	4750	4743	4761	4736	4756	4653	4647	4564	4517	4390	4354	4320	4240	4147	4159	4155	4154	4147	4161	4155	4137	4143	4144	4150	4152	4151	4141	4145	4151	4146	4143	4142	4151	4141	4147		
CBPS	GT06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total 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	
PKLG	U001	285	285	283	283	283	283	284	284	284	255	160	202	201	250	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PKLG	U002	277	277	277	277	277	277	277	277	277	256	201	204	204	250	273	282	282	281	281	279	275	279	279	280	280	279	279	278	278	278	278	279	279	279	279	279	279	279	279	279	273	273	272	275	273	273	273	272	
Total ST-Oil		562	562	560	560	560	560	561	561	561	511	361	406	405	500	273	282	282	281	281	279	275	279	279	280	280	279	279	278	278	278	278	279	279	279	279	279	279	279	279	279	273	273	272	275	273	273	273	272	
CBPS	GT1A	99	98	88	88	88	88	87	88	87	88	88	88	88	88	88	98	98	98	98	98	98	98	96	96	96	96	92	93	92	91	92	96	99	99	99	99	99	99	99	99	98	98	98	98	98	99			
CBPS	GT1B	96	96	88	88	87	88	87	88	87	88	87	88	87	88	87	88	87	87	87	98	99	97	97	94	94	93	92	91	91	91	92	91	92	95	98	98	96	94	87	87	96	96	97	96	97	97	97		
CBPS	ST1C	103	103	95	92	93	92	92	91	90	91	90	91	90	90	103	103	103	103	104	103	103	103	104	103	102	101	102	98	95	96	95	97	96	103	104	105	106	104	93	93	104	105	105	104	105	105	105	106	106
GLGR	GT01	111	112	111	112	111	111	112	111	112	112	112	111	112	111	111	111	111	111	110	107	108	108	107	108	108	110	110	110	110	110	111	111	111	111	110	110	110	110	110	110	111	111	111	111	112	111	112	111	112
GLGR	GT02	113	114	113	113	113	113	114	113	114	113	113	113	113	113	114	113	113	113	113	113	113	113	113	110	111	110	110	110	110	111	111	112	112	113	113	112	112	112	113	113	112	112	114	113	113	113	113	113	113
GLGR	ST1C	101	101	102	102	101	102	101	101	101	101	102	102	102	101	101	101	101	101	102	101	101	100	100	100	100	100	99	100	100	102	102	101	101	101	101	101	101	101	101	101	101	101	102	102	101	102	102	101	
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	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	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	144	145	121	114	114	116	73	73	74	74	73	73	73	74	72	74	115	145	145	145	150	149	149	149	149	149	149	149	149	148	148	147	149	149	149	149	149	117	117	117	145	144	145	146	146	145	146	145	
KLPP	GT14	140	140	148	148	122	122	115	115	73	73	73	73	73	73	74	74	73	133	133	153	153	154	154	154	154	154	154	154	154	154	154	154	154	154	154	154	154	154	154	154	128	128	119	119	155	155	155	155	155
KLPP	GT15	147	147	122	116	114	112	73	73	70	73	70	71	71	70	70	110	143	145	151	149	149	150	150	151	151	150	150	151	151	151	151	151	151	151	151	150	150	150	113	113	113	147	152	150	150	152	152	150	150
KLPP	ST17	207	203	188	183	185	185	143	135	135	135	136	139	140	135	140	140	159	199	218	230	234	234	235	235	236	236	237	237	237	237	237	236	236	236	236	236	236	213	211	211	234	234	235	235	234	234	234	234	234
MPSS	GT01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
MPSS	GT02	107	107	89	85	90	86	89	84	87	90	87	89	91	87	84	86	91	89	89	82	103	106	105	105	107	107	107	107	107	105	105	105	105	105	105	105	105	105	105	105	105	106	106	106	106	106	107	110	108
MPSS	ST01	50	50	39	34	36	35	34	33	34	35	34	36	34	33	34	35	32	38	32	112	113	113	113	110	110	110	110	110	109	110	110	109	109	109	109	109	109	110	110	109	109	109	109	110	110	111	111	111	111
PAKA	GT1B	86	86	65	63	64	64	66	64	66	66	66	64	64	65	66	64	65	86	85	85	84	83	83	83	83	83	83	83	83	82	82	82	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83
PAKA	ST1C	34	34	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	
PAKA	GT2A	86	86	65	63	65	65	65	65	65	6																																							





### Daily MW Generation On Monday

26-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																								
SRev ST-Oil		8	8	10	10	10	9	9	9	59	80	82	83	70	12	3	3	4	4	6	10	6	6	5	5	6	6	7	7	7	7	6	6	6	6	6	6	6	6	12	12	13	10	12	12	12	12	13	
SRev CCGT-Gas		347	643	733	739	822	984	1123	1277	1377	1554	1406	1424	1087	976	840	1388	1024	753	647	580	362	316	205	371	382	272	363	345	241	331	354	369	382	360	311	372	459	650	667	494	329	331	286	276	271	233	201	218
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	154	143	247	91	41	38	39	91	85	83	80	25	80	79	84	81	75	82	41	225	204	214	56	77	54	71	56	77	40	72	167		
SRev Distillate		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	41	165	114	72	67	59	65	64	62	63	65	71	71	73	63	69	71	48	48	44	46	44	46	29	25	203	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			
Syncon		495	495	495	495	495	495	495	495	495	495	344	344	495	193	495	495	580	323	323	323	474	323	172	172	474	474	474	323	0	0	0	0	0	0	495	581	581	429	323	173	475	475	475	475	475	475		
Hydro		107	146	65	114	95	129	93	137	123	120	115	214	170	93	355	127	125	134	85	205	271	169	161	206	252	160	169	177	227	335	316	360	314	394	467	175	135	129	270	262	287	90	98	90	131	103	165	159
<b>S.Reserve Total</b>		<b>1027</b>	<b>1362</b>	<b>1372</b>	<b>1422</b>	<b>1490</b>	<b>1690</b>	<b>1774</b>	<b>1991</b>	<b>2071</b>	<b>2293</b>	<b>2220</b>	<b>2207</b>	<b>1817</b>	<b>1774</b>	<b>1542</b>	<b>2072</b>	<b>1731</b>	<b>1689</b>	<b>1269</b>	<b>1473</b>	<b>1278</b>	<b>1213</b>	<b>885</b>	<b>936</b>	<b>1071</b>	<b>1142</b>	<b>1232</b>	<b>1206</b>	<b>951</b>	<b>884</b>	<b>900</b>	<b>949</b>	<b>921</b>	<b>1011</b>	<b>1043</b>	<b>1269</b>	<b>1560</b>	<b>1724</b>	<b>1699</b>	<b>1272</b>	<b>997</b>	<b>1078</b>	<b>1043</b>	<b>1011</b>	<b>1247</b>	<b>932</b>	<b>1004</b>	<b>1105</b>