

**Availability At Daily Maximum Demand Hour**

ST-Coal	1,380 MW
ST-Gas	70 MW
ST-Oil	0 MW
Gas	4,140 MW
Hydro	1,514 MW
Distillate	0 MW
<b>Total TNB</b>	<b>7,104 MW</b>
<b>Total IPP</b>	<b>9,229 MW</b>
<b>Total Co-Gen</b>	<b>89 MW</b>
<b>System Total</b>	<b>16,422 MW</b>

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

At Daily Maximum Demand Hour : 21:00

TNB Generation	6,396 MW
IPP Generation	7,549 MW
Total Set On Bus	14,893 MW
Maximum Demand	14,080 MW
Spinning Reserve	859 MW
Net Energy	304,376 MWH
Load Factor	90.1 %
Total Cost	54,026,492 RM
Cost per Unit	18.80 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	13398	12800	12423	11847	11705	11164	11202	11138	10661	11831	12618	13300	13331	13035	13409	13529	13529	13275	12842	12808	14009	14080	13715	13504

**Gas Usage**

Station	(mmscfd)
CBPS	95
GLGR	32
PAKA	158
PGGS	4
PGPS	34
SRDG	62
TJGS	186
<b>TNB Total</b>	<b>571</b>
KLPP	82
MPSS	64
PDPS	4
PGLA	117
PKLG	59
PLPS	78
PTEK	4
SGB3	44
SGRI	151
SKSP	57
YPKA	130
<b>IPP Total</b>	<b>790</b>
<b>Total Gas</b>	<b>1,361</b>
<b>Total Gas Required :</b>	<b>1,499</b>
<b>Gas Calorific Value :</b>	<b>38.500</b>

**Alternate Fuel Usage**

Station	(mmscfd)
KLPP	21
PKLG	49
SGB3	20
SGRI	47
<b>Total</b>	<b>138</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	33,101.00	10.88 %
Gas	71,158.00	23.38 %
Hydro	17,097.00	5.62 %
<b>Total TNB</b>	<b>121,356.0</b>	<b>39.87 %</b>
ST-Coal	61,952.0	20.35 %
ST-Gas	5,755.0	1.89 %
ST-Oil	4,857.0	1.60 %
Gas	96,319.0	31.64 %
Distillate	11,064.0	3.63 %
<b>Total IPP</b>	<b>179,947.0</b>	<b>59.12 %</b>
Co-Gen	2,125.0	0.70 %
<b>Total Co-Gen</b>	<b>2,125.0</b>	<b>0.70 %</b>
<b>Total Generation</b>	<b>303,428.0</b>	<b>99.69 %</b>
PLTG	-254.0	-0.08 %
HVDC	-694.0	-0.23 %
<b>Interconnection</b>	<b>-948.0</b>	<b>-0.31 %</b>
<b>Net Energy</b>	<b>304,376.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	446
Hydro	213
Syncon	68
Thermal	103
<b>Total</b>	<b>830</b>

**Weather Temperature**

Weather	Temperature
Morning	Sunny 27
Afternoon	Hot 33

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	U003	284	283	281	280	284	281	279	283	276	282	282	278	279	280	281	283	283	280	283	283	285	279	283	282	282	282	280	280	284	287	285	279	279	277	281	279	278	275	280										
PKLG	U004	283	282	282	282	282	280	280	282	279	279	281	284	282	282	283	281	281	278	278	280	280	280	282	276	282	280	282	280	280	282	283	285	283	283	281	281	280	280	284	282	281	283							
JM/G	U002	691	691	690	690	691	689	686	688	689	688	691	690	691	691	692	687	689	690	689	692	682	687	691	691	689	690	688	691	690	684	684	691	690	690	690	689	690	687	690	689	689	689	690	687	689	689	689	686	
JM/G	U003	688	691	689	696	688	690	687	691	688	689	688	691	689	697	689	691	690	689	689	690	689	691	692	689	688	692	692	688	691	689	690	687	690	688	690	690	690	692	690	691	690	691	690	691	690	692	692	690	692
TBIN	U001	670	668	669	667	671	668	669	668	667	669	668	668	664	669	671	669	673	665	669	669	669	668	668	669	667	665	669	669	668	669	669	668	668	667	667	667	667	667	667	667	667	667	667	667	667	667	667	667	667
TBIN	U002	648	647	649	646	651	648	648	646	648	650	648	647	646	646	648	649	649	649	646	649	649	648	647	646	646	644	649	648	646	648	647	646	644	644	647	646	648	651	645	646	643	648	647	650	647	645			
JMAH	U002	703	703	705	705	705	706	700	700	705	706	705	706	702	702	702	702	702	698	703	706	705	702	702	702	702	702	702	707	701	702	699	701	701	701	701	700	706	706	704	704	709	702	698	703	703	709	691	703	
Total ST-Coal		3967	3965	3965	3966	3972	3962	3949	3958	3952	3963	3963	3964	3958	3962	3965	3969	3961	3971	3954	3969	3967	3968	3963	3960	3955	3956	3955	3958	3963	3959	3942	3961	3958	3959	3956	3953	3962	3967	3972	3975	3961	3954	3944	3959	3964	3970	3941	3953	
PKLG	U001	284	284	284	283	285	283	284	284	284	284	206	203	201	203	203	210	204	203	200	200	199	195	194	197	0	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	282	282	282	282	282	282	282	282	282	211	207	203	203	203	203	202	202	204	201	204	225	0	0	0	0	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		566	566	566	565	567	565	566	566	566	566	417	410	404	406	406	413	406	405	404	401	403	420	194	197	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	
PKLG	U002	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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-Oil		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	GT1A	99	98	99	99	98	99	98	99	91	88	88	88	88	88	88	88	89	99	99	99	99	95	97	96	96	96	96	95	95	93	92	91	91	90	93	97	97	98	99	99	100	99	100	99	99	99			
CBPS	GT1B	94	95	96	96	95	96	96	96	96	93	92	92	92	92	92	92	92	94	94	92	93	93	93	91	91	91	91	91	91	90	91	91	93	94	94	94	94	94	94	94	94	94	94	94	94	94	94		
CBPS	ST1C	96	98	97	97	97	98	98	97	97	96	93	87	87	87	87	87	87	87	87	88	97	96	96	96	95	95	95	93	93	92	91	89	88	89	88	89	88	89	91	94	95	97	96	97	97	97	97	97	
GLGR	GT01	109	109	108	109	108	109	109	109	109	110	110	110	109	110	109	109	109	109	108	107	107	106	106	105	104	104	104	105	104	104	105	105	105	105	105	105	105	106	106	107	107	107	107	107	107	107	107		
GLGR	ST1C	45	45	45	45	45	44	44	44	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45		
KLPP	GT11	30	31	31	0	0	0	0	0	0	0	0	0	0	0	0	0	8	8	25	26	30	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31		
KLPP	GT12	17	18	18	0	0	0	0	0	0	0	0	0	0	0	0	0	6	6	15	15	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18		
KLPP	GT13	70	71	71	71	71	71	72	55	0	0	0	0	0	0	0	0	8	28	0	0	0	0	0	0	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	GT14	100	102	102	102	102	102	102	105	105	109	109	121	121	145	145	145	145	145	145	145	145	145	145	145	145	145	145	145	145	145	145	145	145	145	145	145	145	145	145	145	145	145	145	145	145	145	145		
KLPP	GT15	99	98	98	98	99	98	99	106	107	106	144	145	145	145	145	145	145	144	147	152	152	151	152	152	152	152	152	151	150	150	151	151	151	119	112	112	113	151	150	153	153	152	153	152	152	153			
KLPP	ST17	192	192	192	178	167	167	167	123	120	121	120	139	135	129	138	141	142	56	137	173	218	223	223	224	224	224	223	225	223	224	222	222	222	224	214	205	205	207	223	223	224	223	225	224	225	223			
MPSS	GT01	110	110	109	109	110	110	110	110	110	111	102	97	95	103	110	111	109	109	107	108	106	105	105	105	104	104	104	104	104	105	105	105	105	105	105	106	106	107	107	108	108	108	108	108	108	108	108		
MPSS	GT02	110	111	111	111	111	111	111	111	101	95	96	104	111	112	111	111	109	109	109	108	108	108	107	107	107	107	105	105	106	108	108	108	108	108	108	107	107	107	107	107	107	107	107	107	107	107	107	107	
MPSS	ST01	113	113	113	113	113	113	113	113	109	92	92	94	112	112	114	114	114	114	113	113	113	113	111	111	110	110	110	110	110	110	110	110	110	110	111	113	113	112	112	112	112	112	113	113	113	113	114		
PAKA	GT1A	92	92	91	91	91	91	93	94	65	66	65	65	65	65	67	64	70	93	91	91	91	90	89	90	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	
PAKA	GT1B	90	90	90	90	90	90	91	93	64	65	64	64	64	65	63	68	91	90	90	89	89	89	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	
PAKA	ST1C	82	82	82	82	82	82	82	82	70	67	67	67	67	67	66	67	81	81	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	
PAKA	GT2A	87	86	86	85	86	85	86	85	85	86	66	65	65	64	64	66	63	72	87	88	89	88	87	87	87	87	87	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	
PAKA	GT2B	87	87	87	87	86	87	88																																										



