

**Availability At Daily Maximum Demand Hour**

ST-Coal	2,070 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,631 MW
Hydro	1,559 MW
Distillate	760 MW
<b>Total TNB</b>	<b>8,020 MW</b>
<b>Total IPP</b>	<b>9,959 MW</b>
<b>Total Co-Gen</b>	<b>78 MW</b>
<b>System Total</b>	<b>18,057 MW</b>

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

At Daily Maximum Demand Hour : 16:30	
TNB Generation	6,509 MW
IPP Generation	8,824 MW
Total Set On Bus	16,611 MW
Maximum Demand	15,395 MW
Spinning Reserve	1,200 MW
Net Energy	327,603 MWH
Load Factor	88.7 %
Total Cost	65,540,899 RM
Cost per Unit	20.78 cents/kWH

**Maximum Demand Record**

Date :	28/05/2014	16,583.0 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	13352	12812	12266	12006	11429	11362	11466	11424	12114	13830	14697	15231	15266	14654	14875	15327	15378	15170	14025	13923	14724	14448	13853	13571

**Gas Usage**

Station	(mmscfd)
CBPS	56
GLGR	67
PAKA	185
PGPS	2
TJGS	216
<b>TNB Total</b>	<b>526</b>
KLPP	103
MPSS	49
PGLA	94
PKLG	46
PLPS	103
SGB3	35
SGRI	185
YPGS	67
YPKA	127
<b>IPP Total</b>	<b>808</b>
<b>Total Gas</b>	<b>1,334</b>
<b>Total Gas Required :</b>	<b>1,569</b>
<b>Gas Calorific Value :</b>	<b>38,500</b>

**Alternate Fuel Usage**

Station	(mmscfd)
CBPS	20
PDPS	25
PGPS	38
PKLG	130
PTEK	12
SRDG	9
<b>Total</b>	<b>234</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	49,284.00	15.04 %
Gas	70,071.00	21.39 %
Hydro	11,660.00	3.56 %
Distillate	7,073.00	2.16 %
<b>Total TNB</b>	<b>138,088.0</b>	<b>42.15 %</b>
ST-Coal	67,216.0	20.52 %
ST-Gas	4,400.0	1.34 %
ST-Oil	12,783.0	3.90 %
Gas	99,603.0	30.40 %
Distillate	3,085.0	0.94 %
<b>Total IPP</b>	<b>187,087.0</b>	<b>57.11 %</b>
Co-Gen	1,876.0	0.57 %
<b>Total Co-Gen</b>	<b>1,876.0</b>	<b>0.57 %</b>
<b>Total Generation</b>	<b>327,051.0</b>	<b>99.83 %</b>
PLTG	147.0	0.04 %
HVDC	-699.0	-0.21 %
<b>Interconnection</b>	<b>-552.0</b>	<b>-0.17 %</b>
<b>Net Energy</b>	<b>327,603.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	541
Hydro	203
Syncon	495
Thermal	73
<b>Total</b>	<b>1312</b>

**Weather Temperature**

Weather	Temperature
Morning	Sunny 23
Afternoon	Rainy 30

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	281	283	283	283	281	279	281	283	281	283	281	282	282	283	280	282	279	283	281	281	281	281	283
PKLG	U006	464	467	467	464	470	464	457	474	464	467	464	467	464	467	464	464	463	466	466	466	469	466	467	464
JMIG	U001	683	686	683	682	682	683	681	685	683	682	681	683	683	682	681	684	680	684	683	681	684	683	683	681
JMIG	U002	686	689	690	688	688	689	687	688	692	691	687	689	686	687	689	687	687	687	688	683	681	684	683	681
JMIG	U003	685	688	686	684	686	684	686	686	684	685	685	684	686	684	684	684	683	685	685	685	682	689	686	687
TBIN	U001	671	672	673	672	673	673	672	670	673	671	673	673	673	673	673	673	672	673	672	673	672	671	671	672
TBIN	U003	682	680	681	680	680	678	679	682	680	682	681	685	681	678	683	682	684	682	682	680	680	679	676	680
JMAH	U002	707	703	705	700	705	702	702	701	703	702	704	703	701	703	705	700	705	704	705	705	703	703	702	700
Total ST-Coal		4861	4866	4868	4853	4867	4854	4845	4865	4860	4863	4856	4867	4855	4848	4862	4858	4863	4866	4865	4856	4851	4857	4857	4856
PKLG	U005	278	248	238	236	236	236	236	235	235	236	236	236	236	233	236	236	255	258	244	234	237	237	235	
Total ST-Gas		278	248	238	236	236	236	236	235	235	236	236	236	236	233	237	233	236	236	255	258	244	234	237	237
PKLG	U001	282	283	283	283	283	283	232	145	143	143	144	144	144	200	276	283	284	284	284	284	283	283	283	282
PKLG	U002	278	278	281	280	281	281	281	281	249	158	144	146	210	288	284	282	282	282	282	282	282	282	283	283
Total ST-Oil		560	561	564	563	564	564	513	426	424	392	302	288	290	410	564	567	566	566	566	566	566	566	566	566
CBPS	GT1A	98	99	98	98	93	88	88	88	87	88	87	87	88	88	87	88	88	97	97	96	97	96	96	
CBPS	GT1B	96	97	96	97	91	88	88	88	88	87	88	87	88	87	96	96	95	95	93	93	93	93	93	94
CBPS	ST1C	103	103	103	104	99	92	91	91	91	91	90	91	91	90	91	102	103	103	103	99	98	99	100	99
GLGR	GT01	111	111	111	111	110	111	112	112	112	112	112	113	111	112	111	110	110	109	109	112	110	111	111	111
GLGR	GT02	113	113	113	113	113	114	114	114	114	114	114	114	114	113	114	114	114	114	113	114	114	114	114	114
GLGR	ST1C	102	102	102	102	102	102	102	102	102	102	102	101	101	101	101	101	101	102	103	102	101	101	101	101
KLPP	GT11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	8	8	29	29	30	30	30	30	30
KLPP	GT12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	5	17	17	17	17	17	17	17	17
KLPP	GT13	145	145	145	146	146	145	100	72	73	73	74	73	73	69	73	72	145	144	149	148	148	148	148	148
KLPP	GT14	154	154	154	154	154	154	153	153	88	88	73	73	73	73	73	73	112	112	152	152	153	153	153	153
KLPP	GT15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	79	145	145	149	149	149	151	151	151	151
KLPP	ST17	131	130	130	131	131	130	116	83	83	81	81	81	81	78	136	191	199	233	233	236	235	235	234	234
MPSS	GT01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18	42	59	88	106	104	104	104	106	106
MPSS	GT02	62	64	63	74	71	70	108	108	108	108	85	85	87	83	84	84	88	86	87	86	89	107	107	107
MPSS	ST01	0	0	0	0	26	42	50	50	50	34	33	32	32	31	31	33	32	33	33	67	111	112	112	112
PAKA	GT1A	92	92	92	67	65	65	65	65	65	65	66	67	65	65	66	67	89	90	88	89	88	88	88	88
PAKA	GT1B	86	87	87	86	65	64	64	64	64	65	64	64	64	65	64	66	85	83	84	84	83	83	83	83
PAKA	ST1C	81	80	81	81	70	68	68	68	68	68	68	68	68	69	69	70	80	82	82	82	82	82	82	82
PAKA	GT2A	86	87	86	87	65	64	65	63	64	65	65	66	64	64	65	65	87	86	88	89	87	87	87	86
PAKA	GT2B	90	90	91	91	64	64	64	62	63	63	64	64	63	63	62	64	64	88	87	87	87	87	86	86
PAKA	ST2C	84	84	84	84	71	70	70	70	70	70	70	70	70	70	71	71	82	85	85	85	85	85	85	85
PAKA	GT3A	85	85	85	86	66	65	65	64	64	64	65	65	65	64	63	65	65	83	82	81	82	82	81	81
PAKA	GT3B	86	86	86	86	65	64	64	64	64	64	64	65	65	65	64	63	65	65	84	83	83	83	82	81
PAKA	ST3C	77	77	77	69	67	67	67	67	67	67	67	67	67	67	67	68	68	69	76	77	78	78	78	78
PAKA	GT4A	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	78	78	77	77	77	77	77	77	77
PAKA	GT4B	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	80	79	79	78	77	77	77	77	77
PAKA	ST4C	88	88	88	88	88	88	87	87	87	87	87	87	87	87	87	87	88	88	88	88	88	88	88	88
PGLA	GT11	190	190	224	239	223	159	212	240	194	238	200	225	238	240	208	244	191	154	224	235	234	235	227	227
PGLA	GT12	192	0	0	0	0	0	0	0	0	0	0	0	0	0	32	143	225	223	223	223	225	225	223	223
PGLA	ST10	219	103	113	108	111	100	106	121	112	116	106	116	114	121	107	111	115	85	234	251	251	250	248	249
PGPS	GT3A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	79	0	0	0	0	0	0	0	0	0
PGPS	GT3B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PGPS	ST3C	38	38	38	38	37	38	38	38	38	38	38	38	38	38	37	37	0	0	0	0	0	0	0	0
SGB3	GT33	120	120	121	132	123	119	129	139	118	138	121	120	132	140	123	137	132	131	141	136	139	120	124	136
SGB3	ST34	66	69	69	70	65	69	69	73	69	70	67	71	73	65	71	67	68	72	70	70	68	69	69	69



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	HY01	4	5	5	5	5	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
UPIA	HY02	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Total Hydro		351	325	334	197	169	168	208	354	293	320	376	384	409	576	418	294	327	305	336	413	545	601	960	970
CBPS	GT04	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	GT05	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	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
PDPS	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
PDPS	GT02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PDPS	GT03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PGPS	GT3A	0	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	83	83	83	83	83	83	84	83	83	82	82	83	83	83	83	83	83	83	83	83	83	83	83	83
PGPS	ST3C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PTEK	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
SRDG	GT04	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 Distillate		83	83	83	83	83	83	84	83	83	82	82	83	83	83	83	83	83	83	83	83	83	83	83	83
PCUF	CUFG	39	39	39	38	40	41	39	38	39	40	39	39	39	39	39	39	40	41	40	37	37	36	37	38
PCUF	CUFK	40	40	39	39	40	40	40	38	39	39	41	39	40	39	40	39	40	39	40	40	40	39	40	39
Total Co-Gen		79	79	78	77	80	81	79	76	78	79	80	78	80	79	80	80	76	77	75	76	77	78	76	78
Total Gen		13336	13008	12787	12550	12186	12082	11944	11804	11433	11463	11353	11328	11396	11553	11387	11519	11932	12836	13681	14189	14633	14917	15224	15373
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
TIE-HVDC		-30	-30	-30	-30	-29	-29	-29	-29	-29	-29	-29	-30	-30	-28	-28	-29	-29	-29	-29	-29	-29	-29	-29	-29
TIE-PLTG		14	-30	5	26	-50	-8	-33	-35	32	14	20	-13	-41	21	-7	2	-154	-110	-120	15	-35	25	21	
Interconnection		-16	-60	-25	-4	-80	-37	-62	-64	3	-15	-9	-42	-70	-9	-37	-26	-182	-140	-150	-14	-64	-3	-7	
System Total		13352	13068	12812	12554	12266	12119	12006	11868	11430	11478	11362	11370	11466	11562	11424	11545	12114	12976	13831	14203	14697	14920	15231	
SRev ST-Coal		53	48	46	61	47	60	69	49	54	51	58	47	59	66	52	56	51	48	49	58	63	57	57	
SRev ST-Gas		27	0	10	-6	-6	-6	-6	-6	-6	-5	-5	-6	-6	-6	-6	-6	-6	-6	-6	-3	3	7	4	
SRev ST-Oil		10	9	6	7	6	6	6	47	42	41	73	75	74	74	82	6	3	4	4	4	4	4	4	
SRev CCGT-Gas		446	224	238	179	533	784	888	1141	1360	1358	1485	1438	1372	1574	1518	1408	1651	1343	788	355	239	401	293	
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
SRev Distillate		17	17	17	17	17	17	16	17	17	18	18	17	17	17	18	17	49	41	33	113	64	224	291	
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
Syncon		625	625	625	731	731	731	580	580	580	474	625	625	625	474	474	731	731	731	731	625	625	474	172	
Hydro		163	189	180	106	134	135	246	100	161	240	138	130	105	194	352	114	186	208	177	206	119	264	207	
S.Reserve Total		1426	1197	1207	1180	1547	1812	1885	2012	2293	2261	2477	2412	2331	2278	2584	2415	2718	2462	1869	1360	1242	1346	1045	