

**Availability At Daily Maximum Demand Hour**

ST-Coal	2,070 MW
ST-Gas	0 MW
ST-Oil	70 MW
Gas	3,693 MW
Hydro	1,700 MW
Distillate	300 MW
<b>Total TNB</b>	<b>7,833 MW</b>
<b>Total IPP</b>	<b>10,195 MW</b>
<b>Total Co-Gen</b>	<b>81 MW</b>
<b>System Total</b>	<b>18,109 MW</b>

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

At Daily Maximum Demand Hour : 14:30	
TNB Generation	6,249 MW
IPP Generation	9,329 MW
Total Set On Bus	16,658 MW
Maximum Demand	15,711 MW
Spinning Reserve	999 MW
Net Energy	327,998 MWH
Load Factor	87.0 %

**Maximum Demand Record**

Date :	13/05/2013	16,562.0 MW
Date :	14/05/2013	344,423.0 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	12933	12376	12051	11518	11213	11136	11291	11350	12100	13628	14370	15068	15200	14881	15409	15658	15696	15355	14285	14063	14833	14697	14213	13886

**Gas Usage**

Station	(mmscfd)
CBPS	47
GLGR	58
PAKA	191
PGPS	2
SRDG	48
TJGS	100
<b>TNB Total</b>	<b>445</b>
KLPP	59
MPSS	36
PDPS	34
PGLA	93
PKLG	10
PLPS	101
PTEK	9
SGB3	44
SGRI	109
SKSP	52
YPGS	69
YPKA	132
<b>IPP Total</b>	<b>747</b>
<b>Total Gas</b>	<b>1,192</b>

Total Gas Required : 1,443  
Gas Calorific Value : 38,500

**Alternate Fuel Usage**

Station	(mmscfd)
KLPP	56
MPSS	24
PGPS	39
PKLG	65
SGB3	23
SGRI	44
<b>Total</b>	<b>251</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	49,673.00	15.14 %
Gas	54,302.00	16.56 %
Hydro	17,052.00	5.20 %
Distillate	4,591.00	1.40 %
<b>Total TNB</b>	<b>125,618.0</b>	<b>38.30 %</b>
ST-Coal	75,126.0	22.90 %
ST-Oil	6,432.0	1.96 %
Gas	96,558.0	29.44 %
Distillate	21,391.0	6.52 %
<b>Total IPP</b>	<b>199,507.0</b>	<b>60.83 %</b>
Co-Gen	2,156.0	0.66 %
<b>Total Co-Gen</b>	<b>2,156.0</b>	<b>0.66 %</b>
<b>Total Generation</b>	<b>327,281.0</b>	<b>99.78 %</b>
PLTG	-17.0	-0.01 %
HVDC	-700.0	-0.21 %
Interconnection	-717.0	-0.22 %
<b>Net Energy</b>	<b>327,998.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	319
Hydro	149
Syncon	324
Thermal	199
<b>Total</b>	<b>991</b>

	Weather	Temperature
Morning	Sunny	25
Afternoon	Hot	35

(Gurcharan Singh)  
Pengurus Besar (Kawalan)  
Bahagian Operasi Kawalan





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
PGAU	HY04	-1	-1	-1	-1	20	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TMGR	HY01	23	40	30	29	33	29	29	28	26	28	29	26	25	30	32	34	30	28	32	79	79	82	79	36
TMGR	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
TMGR	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
TMGR	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UPIA	HY01	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Total Hydro		453	467	415	424	456	447	388	456	428	435	436	346	365	474	481	487	490	474	495	479	522	730	893	
KLPP	GT14	124	124	124	124	124	124	111	100	101	102	99	102	101	102	100	123	124	125	124	123	124	124	124	123
KLPP	GT15	133	133	133	133	133	133	132	126	112	112	112	112	112	113	112	132	132	133	133	132	134	132	133	133
MPSS	GT02	119	119	118	118	119	118	119	120	120	119	119	119	119	119	117	117	117	115	115	115	114	113	115	115
PGPS	GT3A	85	38	0	0	0	0	0	0	0	0	0	0	0	0	0	88	88	87	89	88	88	88	88	88
PGPS	GT3B	85	84	82	83	83	83	82	82	82	83	82	81	82	82	83	82	88	88	88	87	87	87	87	87
PGPS	ST3C	82	37	37	37	37	37	37	36	37	37	36	36	38	37	37	0	0	0	85	86	87	87	87	87
SGB3	GT31	122	122	122	124	124	123	123	63	63	63	63	63	63	63	63	63	63	123	123	123	123	121	121	
SGRI	GT11	125	125	125	126	126	125	125	104	104	105	105	105	105	104	104	104	126	126	126	126	125	125	124	124
SGRI	GT12	129	129	129	130	130	130	130	112	112	111	111	111	111	111	111	111	128	0	0	0	0	0	0	0
SGRI	ST14	134	134	137	135	136	134	134	127	131	129	128	131	130	132	131	131	138	107	0	0	0	0	0	0
SGRI	GT22	125	124	124	126	126	126	126	111	111	111	111	111	111	111	111	107	0	0	0	0	0	0	0	0
Total Distillate		1263	1169	1131	1136	1138	1134	1132	1011	996	971	969	971	968	974	972	974	1012	813	705	706	711	877	882	
PCUF	CUFG	53	51	52	53	51	53	53	54	51	51	53	54	54	53	53	50	53	54	53	51	52	52	53	
PCUF	CUFK	33	34	33	33	33	33	33	33	33	35	34	35	35	33	33	34	34	33	33	32	33	33	31	
Total Co-Gen		86	85	85	86	84	86	87	84	84	88	88	89	88	86	83	87	88	86	84	85	86	82	83	
Total Gen		13006	12572	12349	12126	11913	11790	11462	11393	11212	11170	11156	11150	11196	11284	11304	11361	12107	12882	13664	14131	14416	14908	15124	
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	
TIE-HVDC		-29	-30	-30	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-30	-30	-29	-29	-28	-28	-29	-29	-30	-30	
TIE-PLTG		102	-80	4	-36	-109	-26	-18	-54	28	-18	49	30	-65	82	-17	38	37	56	65	68	75	4		
Interconnection		73	-110	-26	-65	-138	-55	-47	-83	-1	-47	20	0	-95	53	-46	8	7	27	36	39	46	-26		
System Total		12933	12682	12375	12191	12051	11845	11518	11476	11213	11217	11136	11150	11291	11231	11350	11353	12100	12855	13628	14092	14370	14934		
SRev ST-Coal		226	222	219	220	218	223	219	216	219	215	221	216	208	217	212	209	213	212	212	214	213	215	209	
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	
SRev ST-Oil		11	11	20	23	23	13	11	11	12	12	11	11	13	12	12	13	13	11	11	12	12	11	11	
SRev CCGT-Gas		353	583	488	731	977	1094	1370	1387	1525	1548	1559	1555	1542	1552	1539	1490	1157	677	349	277	225	188		
SRev OCGT-Gas		0	0	0	0	0	-9	0	0	0	0	0	0	0	0	0	0	161	135	72	38	37	37		
SRev Distillate		67	111	49	44	42	46	48	169	184	209	211	209	212	206	208	206	168	57	65	64	59	93		
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	
Syncon		625	625	625	625	625	474	625	625	625	625	625	625	625	474	474	625	625	625	625	625	625	453		
Hydro		200	81	133	124	92	252	138	175	203	196	195	285	266	308	301	144	141	157	141	157	114	54		
S.Reserve Total		1487	1638	1539	1772	1982	2107	2407	2588	2773	2810	2827	2906	2869	2775	2751	2691	2320	1744	1404	1510	1384	1260		