

### Availability At Daily Maximum Demand Hour

ST-Coal	2,070 MW
ST-Gas	0 MW
ST-Oil	140 MW
Gas	3,300 MW
Hydro	1,780 MW
Distillate	660 MW
<b>Total TNB</b>	<b>7,950 MW</b>
<b>Total IPP</b>	<b>11,180 MW</b>
<b>Total Co-Gen</b>	<b>86 MW</b>
<b>System Total</b>	<b>19,216 MW</b>

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

At Daily Maximum Demand Hour : 15:30

TNB Generation	6,269 MW
IPP Generation	8,950 MW
Total Set On Bus	16,286 MW
Maximum Demand	15,265 MW
Spinning Reserve	981 MW
Net Energy	318,509 MWH
Load Factor	86.9 %

### Maximum Demand Record

Date :	20/06/2012	15,826.0 MW
Date :	20/06/2012	328,716.0 MW

### 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
em Total	12984	12305	11861	11449	11278	11112	11324	11267	11717	13383	14319	14747	14792	14310	14574	15246	15169	14789	13566	13130	14303	14146	13699	13426

### Gas Usage

Station	(mmscfd)
CBPS	47
GLGR	58
PAKA	161
PGPS	1
IJGS	107
<b>TNB Total</b>	<b>374</b>
KLPP	52
MPSS	54
PGLA	56
PLPS	98
SGRI	138
SKSP	37
YPGS	34
YPKA	133
<b>IPP Total</b>	<b>603</b>
<b>Total Gas</b>	<b>977</b>

Total Gas Required : 1,286  
Gas Calorific Value : 38,500

### Alternate Fuel Usage

Station	(mmscfd)
KLPP	36
PDPS	7
PGLA	53
PGPS	54
PKLG	100
PTEK	2
SGRI	47
SRDG	9
<b>Total</b>	<b>309</b>

### Generation Mix

Type	MWh	Percentage
ST-Coal	49,614.00	15.58 %
ST-Gas	62.00	0.02 %
ST-Oil	1,073.00	0.34 %
Gas	47,803.00	15.01 %
Hydro	18,482.00	5.80 %
Distillate	5,838.00	1.83 %
<b>Total TNB</b>	<b>122,872.0</b>	<b>38.58 %</b>
ST-Coal	85,482.0	26.84 %
ST-Gas	1,140.0	0.36 %
ST-Oil	9,804.0	3.08 %
Gas	79,423.0	24.94 %
Distillate	18,289.0	5.74 %
<b>Total IPP</b>	<b>194,138.0</b>	<b>60.95 %</b>
Co-Gen	2,273.0	0.71 %
<b>Total Co-Gen</b>	<b>2,273.0</b>	<b>0.71 %</b>
<b>Total Generation</b>	<b>319,283.0</b>	<b>100.24 %</b>
PLTG	47.0	0.01 %
HVDC	727.0	0.23 %
<b>Interconnection</b>	<b>774.0</b>	<b>0.24 %</b>
<b>Net Energy</b>	<b>318,509.0</b>	<b>100.00 %</b>

### Average SR During Peak Hour

Type	MW
GT	517
Hydro	190
Syncon	318
Thermal	44
<b>Total</b>	<b>1069</b>

Weather		Temperature
Morning	Sunny	27
Afternoon	Hot	32

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





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	
Unit 1	128	26	0	0	0	0	0	0	0	0	0	0	63	127	126	126	126	127	127	127	0	0	0	0	0
Unit 2	0	0	0	0	0	0	0	0	0	0	0	0	85	105	105	105	105	0	0	0	0	0	0	0	
Unit 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	104	103	103	0	0	0	0	0	
Unit 4	0	0	0	0	0	0	0	0	0	0	0	107	105	105	104	104	0	0	0	0	0	0	0	0	
Unit 5	221	224	223	222	223	172	173	173	158	155	153	186	186	217	163	153	173	218	217	215	216	215	212	214	
Unit 6	88	86	89	82	81	79	82	83	80	83	82	83	84	82	82	82	83	84	90	89	89	89	89	90	
Unit 7	85	85	86	46	38	37	38	38	37	37	38	38	38	37	37	37	37	38	37	37	37	37	37	37	
Unit 8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Unit 9	129	129	0	0	0	0	0	0	0	0	0	0	126	126	126	125	125	125	125	125	125	126	126	126	
Unit 10	129	129	129	111	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Unit 11	127	127	127	128	0	0	0	0	0	0	0	0	126	126	125	125	124	124	124	124	124	124	124	124	
Unit 12	0	0	0	0	0	0	0	0	0	0	0	0	126	124	124	123	123	123	123	124	124	124	124	124	
Unit 13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	94	95	96	97	98	0	0	0	
Unit 14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	116	120	122	125	110	0	0	0	0	
Unit 15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	124	126	129	65	0	0	0	0	
Distillate	1126	1023	854	674	344	288	293	296	275	275	273	307	308	336	282	272	293	338	337	375	826	1210	1427	1423	
CLFG	53	53	52	52	53	52	52	53	52	53	52	53	53	52	52	51	53	53	52	52	51	53	53	53	
CLFK	38	36	37	36	37	36	37	35	37	36	37	36	36	35	35	35	34	34	33	33	33	33	33	33	
Co-Gen	91	89	89	88	90	88	89	88	89	88	90	88	89	89	91	93	91	91	88	88	89	88	87	87	
Gen	13074	12710	12384	12134	11892	11793	11471	11503	11358	11178	11178	11126	11283	11482	11338	11222	11634	12582	13311	13667	14207	14891	14858	14966	
FGAT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
HVDC	30	30	30	30	30	30	30	30	30	31	31	31	31	31	31	31	30	30	30	30	30	30	30	30	
PLTG	60	180	49	45	1	120	-8	-64	50	-60	35	-5	-72	11	40	-16	-113	-79	-103	-121	-143	123	80		
Interconnection	90	210	79	75	31	150	22	-34	80	-29	66	26	-41	42	71	14	-83	-48	-72	-90	-112	154	111		
System Total	12984	12500	12305	12059	11861	11643	11449	11537	11278	11207	11112	11100	11324	11440	11267	11208	11717	12630	13383	13757	14319	14437	14747	14796	
ST-Coal	29	36	30	30	27	47	29	136	72	43	43	33	13	30	17	59	26	47	29	26	33	30	33	40	
ST-Oil	-2	-3	-3	-3	-3	55	31	12	7	-2	-2	-19	-39	-47	-68	-9	5	-13	-6	-13	9	16	7	12	
CCGT-Gas	354	363	394	535	729	744	1134	1022	1206	1412	1409	1641	1537	1218	1356	1438	1595	1662	968	825	554	613	461	370	
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	
Distillate	104	207	96	136	36	92	87	84	105	105	107	73	72	44	98	108	87	42	43	55	94	208	131	135	
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	
Intercon	474	474	474	474	474	474	474	474	474	625	625	474	474	625	625	625	625	625	625	323	323	237	237	237	
Hydro	140	174	216	214	217	235	215	209	219	79	82	112	101	89	77	82	81	78	80	75	224	230	303	360	
Reserve Total	1099	1251	1207	1386	1480	1647	1970	1937	2083	2262	2264	2314	2158	1959	2105	2303	2419	2441	1739	1593	1237	1420	1172	1154	