

Availability At Daily Maximum Demand Hour

ST-Coal	2,070 MW
ST-Gas	0 MW
ST-Oil	70 MW
Gas	3,308 MW
Hydro	1,817 MW
Distillate	670 MW
Total TNB	7,935 MW
Total IPP	10,101 MW
Total Co-Gen	77 MW
System Total	18,113 MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 15:30	
TNB Generation	6,568 MW
IPP Generation	9,152 MW
Total Set On Bus	16,788 MW
Maximum Demand	15,900 MW
Spinning Reserve	991 MW
Net Energy	321,091 MWH
Load Factor	84.1 %

Maximum Demand Record

Date :	16/04/2013	16,356.0 MW
Date :	16/04/2013	338,800.0 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	12067	11546	11070	10749	10586	10474	10622	10725	11504	13554	14562	15290	15229	15014	15529	15860	15713	15257	14022	13840	14647	14616	14180	13560

Gas Usage

Station	(mmscfd)
CBPS	64
GLGR	43
PAKA	127
PGPS	20
SRDG	22
TJGS	110
TNB Total	387
KLPP	100
MPSS	1
PDPS	3
PGLA	98
PKLG	20
PLPS	105
PTEK	20
SGB3	15
SGRI	162
SKSP	55
YPGS	69
YPKA	69
IPP Total	716
Total Gas	1,103

Total Gas Required : 1,392
Gas Calorific Value : 38,500

Alternate Fuel Usage

Station	(mmscfd)
CBPS	23
PDPS	49
PGLA	12
PGPS	37
PKLG	129
PTEK	12
SGRI	8
SRDG	19
Total	289

Generation Mix

Type	MWh	Percentage
ST-Coal	49,597.00	15.45 %
ST-Oil	775.00	0.24 %
Gas	46,825.00	14.58 %
Hydro	17,292.00	5.39 %
Distillate	7,641.00	2.38 %
Total TNB	122,130.0	38.04 %
ST-Coal	79,903.0	24.88 %
ST-Oil	12,641.0	3.94 %
Gas	91,953.0	28.64 %
Distillate	8,024.0	2.50 %
Total IPP	192,521.0	59.96 %
Co-Gen	2,140.0	0.67 %
Total Co-Gen	2,140.0	0.67 %
Total Generation	316,791.0	98.66 %
PLTG	-4,938.0	-1.54 %
HVDC	638.0	0.20 %
Interconnection	-4,300.0	-1.34 %
Net Energy	321,091.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	469
Hydro	204
Syncon	357
Thermal	30
Total	1059

Weather Temperature

Weather	Temperature
Morning	Sunny 27
Afternoon	Hot 31

(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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
SIHY	HY01	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SIHY	HY02	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY01	25	25	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	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY03	25	25	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	25	25	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	-1	-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	HY02	30	29	30	34	38	35	33	35	34	36	37	35	37	34	28	38	28	39	33	35	37	50	51	51	47
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	-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	0
UPIA	HY01	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
Total Hydro		670	669	571	582	559	500	478	361	193	213	226	201	211	205	181	209	263	642	607	630	840	1099	1330	1336	1231
CBPS	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	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	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	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	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	0
PDPS	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	0
PGLA	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
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	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	0
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	0
PTEK	GT2A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SGRI	GT22	0	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	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	0
Total Distillate		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PCUF	CUFG	52	53	52	55	51	52	53	52	51	52	54	53	51	53	51	51	53	52	50	51	51	51	50	50	49
PCUF	CUFK	37	34	34	35	36	36	36	36	35	35	35	35	36	34	36	36	35	34	32	31	30	27	28	25	27
Total Co-Gen		89	87	86	90	87	88	89	88	86	87	89	88	87	87	87	87	88	86	84	85	80	78	79	76	78
Total Gen		11869	11593	11399	11149	10898	10605	10550	10489	10389	10292	10261	10293	10500	10850	10619	10580	11420	12514	13412	13880	14373	14817	15098	15243	15102
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	0
TIE-HVDC		-29	-29	-29	30	30	31	31	30	30	31	31	31	30	30	30	30	30	30	30	31	31	30	30	30	30
TIE-PLTG		-169	-116	-118	-157	-202	-239	-230	-200	-227	-257	-244	-211	-153	-132	-136	-184	-114	-229	-172	-181	-220	-225	-222	-204	
Interconnection		-198	-145	-147	-127	-172	-209	-199	-169	-197	-227	-213	-180	-122	-101	-106	-154	-84	-199	-142	-151	-189	-194	-192	-174	
System Total		12067	11738	11546	11276	11070	10814	10749	10658	10586	10519	10474	10473	10622	10951	10725	10734	11504	12713	13554	14031	14562	15011	15290	15417	15229
SRev SI-Coal		13	16	25	19	24	6	8	27	12	10	10	7	27	19	8	5	2	9	18	19	16	14	23	19	5
SRev SI-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
SRev SI-Oil		36	35	35	37	37	37	37	39	39	39	39	35	30	28	28	30	30	7	45	14	15	20	14	15	32
SRev CCGT-Gas		528	799	885	1154	1374	1627	1676	1681	1626	1826	1872	1821	1608	1354	1572	1640	998	501	374	348	401	413	424	550	648
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	169	113	102	42	40	36	14	33
SRev Distillate		0	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 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

Daily MW Generation On Monday

29-Apr-2013

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																								
Syncon		625	625	625	625	625	625	625	575	726	575	726	726	726	575	726	726	625	625	625	474	302	151	151	151	604	690	539	388	151	151	151	539	539	625	625	625	625	625	474	625	474	625	625	625	625			
Hydro		126	127	125	114	87	96	118	235	253	82	220	94	84	90	265	86	132	54	89	66	242	255	295	289	394	227	248	336	253	221	337	406	275	253	305	137	165	103	123	38	143	140	122	226	183	216	242	112
S.Reserve Total		1328	1602	1695	1949	2147	2391	2464	2607	2505	2683	2716	2683	2475	2217	2448	2487	1888	1365	1334	1193	1221	1120	1080	1160	1398	1616	1721	1790	1420	1050	1144	991	1310	1346	1551	1252	1827	2098	1765	1267	1117	1264	1065	1357	1184	1297	1347	1463