

Availability At Daily Maximum Demand Hour

ST-Coal	1,380 MW
ST-Gas	70 MW
ST-Oil	0 MW
Gas	4,380 MW
Hydro	1,541 MW
Distillate	0 MW
Total TNB	7,371 MW
Total IPP	10,310 MW
Total Co-Gen	80 MW
System Total	17,761 MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 16:00

TNB Generation	5,842 MW
IPP Generation	9,194 MW
Total Set On Bus	16,091 MW
Maximum Demand	15,129 MW
Spinning Reserve	975 MW
Net Energy	320,681 MWH
Load Factor	88.3 %
Total Cost	59,475,591 RM
Cost per Unit	19.11 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	13019	12424	11947	11649	11421	11141	11396	11367	11743	13273	14137	14843	14754	14166	14498	15080	15129	14828	13799	13310	14554	14403	13989	13587

Gas Usage

Station	(mmscfd)
CBPS	62
GLGR	39
PAKA	193
PGPS	45
SRDG	8
TJGS	222
TNB Total	569
KLPP	110
MPSS	59
PDPS	10
PGLA	117
PKLG	103
PLPS	72
SGB3	63
SGRI	195
SKSP	52
YPGS	68
YPKA	101
IPP Total	948
Total Gas	1,517

Total Gas Required : 1,517
Gas Calorific Value : 38,500

Generation Mix

Type	MWh	Percentage
ST-Coal	31,281.00	9.76 %
Gas	74,339.00	23.18 %
Hydro	10,127.00	3.16 %
Total TNB	115,747.0	36.10 %
ST-Coal	83,162.0	25.93 %
ST-Gas	10,073.0	3.14 %
Gas	110,392.0	34.43 %
Total IPP	203,627.0	63.50 %
Co-Gen	1,931.0	0.60 %
Total Co-Gen	1,931.0	0.60 %
Total Generation	321,305.0	100.20 %
PLTG	-73.0	-0.02 %
HVDC	721.0	0.22 %
Interconnection	648.0	0.20 %
Net Energy	320,657.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	361
Hydro	171
Syncon	332
Thermal	61
Total	924

	Weather	Temperature
Morning	Sunny	25
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
SYPS	HY03	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	-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	27	40	33	37	32	30	34	32	33	19	33	39	44	42	35	32	41	39	40	40	37	45	46	36
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
UPLA	HY01	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
UPLA	HY02	3	3	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Total Hydro		383	180	174	176	170	168	170	176	176	157	200	186	215	191	180	177	184	182	242	261	311	514	761	900
PCUF	CUFG	46	45	45	44	46	44	45	45	46	45	44	45	46	47	47	47	46	46	46	46	45	44	45	44
PCUF	CUFK	36	36	36	36	36	36	37	36	36	36	36	37	36	37	38	38	37	37	37	36	35	35	35	35
Total Co-Gen		82	81	81	80	82	82	80	82	81	81	80	82	82	84	85	85	83	83	83	82	81	81	80	79
Total Gen		13059	12626	12412	12284	11973	11858	11716	11556	11439	11400	11135	11166	11351	11492	11419	11384	11700	12622	13205	13700	14173	14579	14821	14955
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		29	31	31	30	30	30	30	30	30	31	29	29	30	30	30	30	30	30	30	29	29	30	30	31
TIE-PLTG		11	16	-43	8	-4	43	37	29	-12	117	-37	-25	-74	-2	22	45	-73	-6	-98	4	5	41	-52	14
Interconnection		40	47	-12	38	26	73	67	59	18	147	-6	4	-45	28	52	75	-43	24	-68	34	36	71	-22	44
System Total		13019	12579	12424	12246	11947	11785	11649	11497	11421	11253	11141	11162	11396	11464	11367	11309	11743	12258	13273	13666	14137	14508	14843	14911
SRev ST-Coal		41	29	25	27	30	55	46	65	59	73	58	58	48	66	71	57	63	67	58	59	48	65	56	57
SRev ST-Gas		2	2	24	40	37	37	37	22	7	-20	-39	-77	-114	-200	43	39	40	40	40	46	13	9	5	5
SRev CCGT-Gas		461	616	620	480	836	951	1179	1440	1696	1822	2191	2056	1946	1749	1891	1982	1585	1152	820	345	217	132	155	156
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 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	726	726	726	726	726	726	726	726	575	726	575	726	726	726	726	726	575	726	474	323	323	323	474
Hydro		115	116	124	119	127	128	125	121	120	140	250	111	232	105	116	119	112	115	154	287	86	133	323	228
S.Reserve Total		1244	1489	1519	1392	1756	1897	2113	2389	2623	2768	3054	2912	2724	2532	2604	2927	2525	2100	1798	1306	1303	907	950	862