

Availability At Daily Maximum Demand Hour

ST-Coal	1,380 MW
ST-Gas	70 MW
ST-Oil	0 MW
Gas	4,285 MW
Hydro	1,661 MW
Distillate	0 MW
Total TNB	7,396 MW
Total IPP	10,762 MW
Total Co-Gen	76 MW
System Total	18,234 MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 15:30	
TNB Generation	5,830 MW
IPP Generation	9,998 MW
Total Set On Bus	16,898 MW
Maximum Demand	15,911 MW
Spinning Reserve	994 MW
Net Energy	332,854 MWH
Load Factor	87.2 %
Total Cost	62,300,222 RM
Cost per Unit	19.36 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	13589	12798	12590	12099	11613	11549	11591	11712	12003	13687	14533	15238	15191	14814	15522	15872	15834	15503	14135	13822	15049	15030	14621	14323

Gas Usage

Station	(mmscfd)
CBPS	47
GLGR	65
PAKA	158
PGPS	44
SRDG	28
TJGS	224
TNB Total	566
KLPP	117
MPSS	56
PDPS	6
PGLA	113
PLPS	77
PTEK	6
SGB3	57
SGRI	195
SKSP	38
YPGS	67
YPKA	131
IPP Total	865
Total Gas	1,431
Total Gas Required :	1,549
Gas Calorific Value :	38,500

Alternate Fuel Usage

Station	(mmscfd)
PKLG	117
SGRI	1
Total	118

Generation Mix

Type	MWh	Percentage
ST-Coal	33,134.00	9.95 %
Gas	72,760.00	21.86 %
Hydro	10,893.00	3.27 %
Total TNB	116,787.0	35.09 %
ST-Coal	89,118.0	26.77 %
ST-Oil	11,435.0	3.44 %
Gas	113,302.0	34.04 %
Distillate	123.0	0.04 %
Total IPP	213,978.0	64.29 %
Co-Gen	1,905.0	0.57 %
Total Co-Gen	1,905.0	0.57 %
Total Generation	332,670.0	99.94 %
PLTG	512.0	0.15 %
HVDC	-696.0	-0.21 %
Interconnection	-184.0	-0.06 %
Net Energy	332,854.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	312
Hydro	147
Syncon	430
Thermal	83
Total	973

	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
SIHY	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
SIHY	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	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	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	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	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	33	35	36	41	40	32	39	33	36	35	30	33	36	38	35	33	36	29	31	35	35	37	78	79
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	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Total Hydro		189	191	257	233	350	183	234	185	195	188	181	186	207	235	189	185	197	178	182	288	413	709	781	780
SGRI	GT21	122	42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Distillate		122	42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PCUF	CUFG	40	43	42	40	42	42	43	41	41	43	41	42	42	42	41	41	39	39	38	41	39	40	40	39
PCUF	CUFK	40	40	39	37	38	39	40	38	39	40	41	41	39	40	40	39	37	38	37	36	35	36	36	38
Total Co-Gen		80	83	81	77	80	81	83	79	80	83	82	83	81	82	83	80	80	79	79	77	78	77	77	76
Total Gen		13561	13066	12818	12577	12616	12184	12141	11900	11578	11646	11579	11454	11532	11720	11677	11581	11995	12917	13711	14185	14569	15113	15203	15317
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	-28	-28	-29	-29	-28	-28	-28	-29	-29	-29	-29	-30	-30	-29	-29	-30	-30	-29	-29	-28	-28	-28
TIE-PLTG		2	-17	48	-24	55	113	70	95	-7	17	59	-76	-30	-38	-6	18	21	83	54	76	65	20	-6	
Interconnection		-28	-47	20	-52	26	84	42	67	-35	-11	30	-105	-59	-67	-35	-11	-8	54	24	46	36	-8	-35	
System Total		13589	13113	12798	12629	12590	12100	12099	11833	11613	11657	11549	11559	11591	11787	11712	11592	12003	12863	13687	14139	14533	15121	15238	15331
SRev ST-Coal		90	89	93	110	96	121	112	105	100	106	90	100	94	97	94	101	92	88	93	95	89	91	89	92
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	0
SRev ST-Oil		3	3	69	77	73	75	75	74	74	75	75	75	74	74	75	80	33	3	3	3	3	4	4	4
SRev CCGT-Gas		605	950	435	384	351	588	692	892	1094	1152	1227	1353	1295	1132	1230	1306	1054	1381	865	608	438	295	243	263
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		18	98	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		731	731	429	731	580	731	731	731	731	731	731	731	731	731	731	731	731	731	731	625	474	474	474	625
Hydro		122	114	350	72	112	128	77	126	116	123	130	125	104	76	122	126	114	133	129	129	260	269	197	82
S.Reserve Total		1569	1985	1376	1374	1212	1641	1687	1929	2115	2186	2253	2384	2299	2111	2251	2338	2066	2413	1851	1460	1279	1169	1104	1075