

Availability At Daily Maximum Demand Hour

ST-Coal	1,380 MW
ST-Gas	70 MW
ST-Oil	0 MW
Gas	4,050 MW
Hydro	1,651 MW
Distillate	0 MW
Total TNB	7,151 MW
Total IPP	10,356 MW
Total Co-Gen	76 MW
System Total	17,583 MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 16:00

TNB Generation	5,599 MW
IPP Generation	9,846 MW
Total Set On Bus	16,363 MW
Maximum Demand	15,534 MW
Spinning Reserve	842 MW
Net Energy	325,257 MWH
Load Factor	87.2 %
Total Cost	43,525,877 RM
Cost per Unit	13.85 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	13502	12611	12229	11769	11570	11580	11564	11540	11773	13307	14242	14845	14895	14423	14589	15299	15534	15105	14034	13567	14730	14495	14017	13748

Gas Usage

Station	(mmscfd)
CBPS	53
GLGR	64
PAKA	144
PGPS	44
SRDG	16
TJGS	222
TNB Total	542
KLPP	100
MPSS	58
PDPS	21
PGLA	96
PKLG	109
PLPS	80
PTEK	14
SGB3	70
SGRI	193
SKSP	4
YPGS	67
YPKA	130
IPP Total	943
Total Gas	1,485

Total Gas Required : 1,485
Gas Calorific Value : 38.500

Generation Mix

Type	MWh	Percentage
ST-Coal	32,612.00	10.03 %
Gas	71,189.00	21.89 %
Hydro	10,925.00	3.36 %
Total TNB	114,726.0	35.27 %
ST-Coal	89,558.0	27.53 %
ST-Gas	10,577.0	3.25 %
Gas	107,882.0	33.17 %
Total IPP	208,017.0	63.95 %
Co-Gen	1,866.0	0.57 %
Total Co-Gen	1,866.0	0.57 %
Total Generation	324,609.0	99.80 %
PLTG	49.0	0.02 %
HVDC	-697.0	-0.21 %
Interconnection	-648.0	-0.20 %
Net Energy	325,257.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	389
Hydro	236
Syncon	267
Thermal	58
Total	950

Weather Temperature

Weather	Temperature
Morning	Sunny 28
Afternoon	Hot 32

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	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	37	36	24	37	37	31	31	35	33	43	36	38	37	37	35	27	34	37	34	36	34	34	32	32
TMGR	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
TMGR	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
UPIA	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
UPIA	HY02	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Total Hydro		211	206	177	227	205	185	185	228	199	238	220	228	230	225	189	194	189	222	212	418	434	962	925	1068
PCUF	CUFG	42	42	43	43	42	42	42	44	44	44	44	43	45	43	44	44	43	43	43	43	43	43	43	43
PCUF	CUFK	34	34	34	33	34	33	34	34	33	33	35	34	36	37	36	37	38	37	36	34	35	34	33	34
Total Co-Gen		76	76	77	76	76	75	76	76	77	77	79	77	81	80	80	82	82	81	77	78	77	76	75	74
Total Gen		13560	13020	12677	12389	12148	11922	11761	11651	11503	11575	11531	11473	11547	11544	11495	11513	11822	12739	13254	13856	14152	14688	14837	15050
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	-28	-30	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29
TIE-PLTG		87	-55	96	13	-51	-23	21	-52	-38	-99	-20	-26	11	20	-16	37	78	-34	-24	-24	-61	23	21	
Interconnection		58	-83	66	-17	-81	-53	-8	-81	-67	-128	-49	-55	-17	-10	-45	8	49	-63	-53	-53	-90	-6	-8	
System Total		13502	13103	12611	12406	12229	11975	11769	11732	11570	11703	11580	11528	11564	11554	11540	11505	11773	12802	13307	13909	14242	14694	14845	15092
SRev ST-Coal		76	73	81	73	75	79	87	76	70	63	70	78	69	70	87	85	64	165	91	84	84	80	89	82
SRev ST-Gas		24	24	25	64	34	33	80	49	77	73	72	72	72	72	74	84	16	10	6	8	38	42	42	2
SRev CCGT-Gas		364	902	428	712	899	732	959	1178	1244	1149	1170	1076	1017	1013	1009	1100	1130	770	696	449	294	427	314	298
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100	87	145	91	47	50
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	731	731	731	731	731	731	731	731	731	731	731	731	731	731	731	731	731	731	731	731	731	731
Hydro		101	106	135	85	106	126	126	81	110	71	240	81	80	236	121	267	122	90	100	210	193	318	204	212
S.Reserve Total		1296	1836	1400	1665	1845	1701	1983	2115	2232	2087	2132	2038	1969	1971	2020	2104	2121	1840	1634	1378	1202	1105	1055	951