

Availability At Daily Maximum Demand Hour

ST-Coal	2,050 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,979 MW
Hydro	1,807 MW
Distillate	0 MW
Total TNB	7,836 MW
Total IPP	11,985 MW
Total Co-Gen	43 MW
System Total	19,864 MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 15:30	
TNB Generation	5,639 MW
IPP Generation	10,348 MW
Total Set On Bus	16,999 MW
Maximum Demand	16,043 MW
Spinning Reserve	969 MW
Net Energy	335,266 MWH
Load Factor	87.1 %
Total Cost	56,530,576 RM
Cost per Unit	17.18 cents/kWH

Maximum Demand Record

Date :	11/06/2014	16,901.0 MW
Date :	24/06/2014	355,911.0 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	13389	12813	12206	11823	11548	11551	11392	11474	12234	13895	14855	15417	15373	15111	15607	15880	16025	15460	14538	14339	14828	15226	15024	14719

Gas Usage

Station	(mmscfd)
CBPS	20
GLGR	58
PAKA	172
PGPS	44
SRDG	7
TJGS	195
TNB Total	496
KLPP	102
MPSS	58
PDPS	3
PGLA	106
PKLG	34
PLPS	49
SGRI	178
SKSP	31
YPGS	64
YPKA	115
IPP Total	739
Total Gas	1,235
Total Gas Required :	1,350
Gas Calorific Value :	38,500

Alternate Fuel Usage

Station	(mmscfd)
PKLG	86
PLPS	29
Total	115

Generation Mix

Type	MWh	Percentage
ST-Coal	48,929.00	14.59 %
Gas	64,366.00	19.20 %
Hydro	5,984.00	1.78 %
Total TNB	119,279.0	35.58 %
ST-Coal	106,470.0	31.76 %
ST-Gas	2,348.0	0.70 %
ST-Oil	8,375.0	2.50 %
Gas	93,645.0	27.93 %
Distillate	3,611.0	1.08 %
Total IPP	214,449.0	63.96 %
Co-Gen	1,348.0	0.40 %
Total Co-Gen	1,348.0	0.40 %
Total Generation	335,076.0	99.94 %
PLTG	-341.0	-0.10 %
HVDC	151.0	0.05 %
Interconnection	-190.0	-0.06 %
Net Energy	335,266.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	433
Hydro	136
Syncon	523
Thermal	53
Total	1144

	Weather	Temperature
Morning	Sunny	26
Afternoon	Cloudy	35

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	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	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	38	38	35	30	27	30	31	31	27	32	30	33	29	39	32	37	38	40	32	36	36	30	36	35	
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		212	173	199	161	157	161	160	160	155	161	159	163	184	172	163	171	173	217	164	170	211	263	218	206	
PLPS	GT11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PLPS	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	
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	
PCUF	CUFG	25	24	25	25	26	25	26	27	24	26	25	27	26	27	24	25	24	24	23	23	22	22	20	20	
PCUF	CUFK	53	56	54	57	55	56	54	55	54	57	58	57	57	57	57	57	57	57	57	57	57	57	57	57	
Total Co-Gen		58	60	59	62	61	61	60	62	58	63	63	62	64	61	61	63	61	62	62	57	57	53	52	50	
Total Gen		13378	13063	12793	12296	12143	11909	11770	11596	11525	11535	11510	11496	11377	11580	11479	11448	12201	13186	13846	14355	14666	15122	15397	15527	
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		31	50	30	-30	-30	-28	-28	-29	-29	-29	-29	-29	-29	-30	-30	-30	-30	-30	-30	-29	-30	-30	51	50	
TIE-PLTG		-42	-62	-50	-12	-33	-47	-25	6	18	-12	-13	14	0	34	-9	-4	-16	-19	-61	-160	-36	10	-28	-15	
Interconnection		-11	-32	-20	-42	-63	-75	-53	-55	-23	-11	-41	-42	-15	-29	5	-38	-33	-46	-49	-90	-189	-66	-20	-58	
System Total		13389	13095	12813	12338	12206	11984	11823	11651	11548	11546	11551	11538	11392	11609	11474	11486	12234	13232	13895	14445	14855	15188	15417	15585	
SRev ST-Coal		57	83	53	78	34	36	63	53	58	130	47	45	190	159	151	149	52	58	25	24	54	39	29	39	
SRev ST-Gas		3	2	31	79	72	72	72	72	72	71	38	40	0	0	0	0	0	0	0	0	0	0	0	0	0
SRev ST-Oil		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 CCGT-Gas		532	316	612	857	920	1146	1256	1443	1500	1341	1554	1568	1514	1290	1498	1529	1601	1072	939	717	610	525	312	168	
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	0
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
Syncon		643	643	492	643	643	643	643	643	643	492	493	493	493	493	493	493	493	493	493	493	493	493	493	493	493
Hydro		83	122	247	134	138	134	133	133	138	132	134	130	260	121	132	124	122	78	131	125	85	133	128	140	
S.Reserve Total		1318	1166	1435	1791	1807	2031	2167	2344	2411	2318	2450	2457	2529	2138	2348	2368	2346	1709	1741	1449	1258	1296	1011	986	