

Availability At Daily Maximum Demand Hour

ST-Coal	2,070 MW
ST-Gas	70 MW
ST-Oil	0 MW
Gas	4,260 MW
Hydro	1,820 MW
Distillate	0 MW
Total TNB	8,220 MW
Total IPP	9,926 MW
Total Co-Gen	46 MW
System Total	18,192 MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 15:00

TNB Generation	6,732 MW
IPP Generation	8,598 MW
Total Set On Bus	16,313 MW
Maximum Demand	15,298 MW
Spinning Reserve	937 MW
Net Energy	319,639 MWH
Load Factor	87.1 %
Total Cost	58,378,485 RM
Cost per Unit	18.97 cents/KW/hr

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	12466	11832	11459	11087	10713	10815	11259	11339	11690	13228	14238	14845	14912	14450	15076	15298	15227	14875	13875	13542	14782	14463	13926	13463

Gas Usage

Station	(mmscfd)
CBPS	56
GLGR	65
PAKA	147
PGPS	53
SRDG	63
TJGS	216
TNB Total	600
KLPP	109
MPSS	57
PDPS	12
PGLA	113
PKLG	107
PLPS	98
PTEK	10
SGRI	205
SKSP	38
YPGS	70
YPKA	99
IPP Total	917
Total Gas	1,517

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

Generation Mix

Type	MWh	Percentage
ST-Coal	49,560.00	15.50 %
Gas	76,050.00	23.79 %
Hydro	12,839.00	4.02 %
Total TNB	138,449.0	43.31 %
ST-Coal	65,273.0	20.42 %
ST-Gas	10,412.0	3.26 %
Gas	105,281.0	32.94 %
Total IPP	180,966.0	56.62 %
Co-Gen	1,137.0	0.36 %
Total Co-Gen	1,137.0	0.36 %
Total Generation	320,552.0	100.29 %
PLTG	194.0	0.06 %
HVDC	719.0	0.22 %
Interconnection	913.0	0.29 %
Net Energy	319,639.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	188
Hydro	168
Syncon	427
Thermal	96
Total	879

Weather Temperature

	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	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	-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	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	35	35	32	31	33	31	31	32	30	35	34	36	41	34	26	37	36	29	35	35	35	36	78	78
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	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Total Hydro		201	200	195	194	197	195	195	214	213	202	199	225	352	198	188	239	203	192	201	533	547	750	1011	1093
PCUF	CUFG	33	12	11	11	10	10	10	9	11	12	12	12	12	11	11	9	9	10	10	10	9	9	9	9
PCUF	CUFK	34	35	36	37	37	37	36	37	37	37	37	37	37	37	38	37	37	37	37	36	36	35	35	36
Total Co-Gen		67	47	47	48	47	47	46	47	46	48	49	49	48	45	45	45	45	46	43	42	42	41	40	41
Total Gen		12478	12223	11844	11627	11522	11271	11146	10943	10859	10842	10840	10907	11212	11515	11312	11374	11764	12686	13323	13899	14243	14613	14867	15073
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	29	29	30	30	30	29	29	30	30	30	30	30	30	30	30	30	30	31	31	30	30	30	30
TIE-PLTG		-18	6	-17	-38	33	-1	29	41	117	-18	-5	-30	-77	2	-57	-50	44	-52	66	-27	-26	-71	-9	18
Interconnection		12	35	12	-8	63	29	59	70	146	12	25	0	-47	32	-27	-20	74	-23	95	4	5	-40	22	48
System Total		12466	12188	11832	11635	11459	11242	11087	10873	10713	10830	10815	10907	11259	11483	11339	11394	11690	12709	13228	13895	14238	14653	14845	15025
SRev ST-Coal		103	105	104	103	100	93	113	110	129	102	107	108	105	119	85	118	128	114	111	111	104	117	113	99
SRev ST-Gas		84	76	74	75	75	75	74	74	74	75	74	75	75	75	74	74	85	8	2	2	3	3	3	3
SRev CCGT-Gas		323	445	805	1022	1132	1386	1492	1718	1781	1814	1812	1770	1594	1123	1350	1308	1221	736	388	157	73	94	136	95
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	91	-11	68	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	731	731	731	731	580	731	731	731	731	731	580	731	731	731	731	731	625	625	625	625	625	625
Hydro		113	114	118	120	117	121	119	251	101	112	115	89	115	116	126	75	112	123	114	98	84	81	115	93
S.Reserve Total		1354	1471	1832	2051	2155	2406	2529	2733	2816	2834	2839	2773	2467	2164	2367	2306	2266	1789	1352	993	979	909	1060	915