

Availability At Daily Maximum Demand Hour

ST-Coal	1,215 MW
ST-Gas	70 MW
ST-Oil	0 MW
Gas	3,386 MW
Hydro	1,787 MW
Distillate	240 MW
Total TNB	6,698 MW
Total IPP	10,225 MW
Total Co-Gen	77 MW
System Total	17,000 MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 16:00

TNB Generation	4,864 MW
IPP Generation	9,247 MW
Total Set On Bus	15,174 MW
Maximum Demand	14,159 MW
Spinning Reserve	986 MW
Net Energy	300,101 MWH
Load Factor	88.3 %
Total Cost	55,987,382 RM
Cost per Unit	19.28 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	12027	11602	11083	10679	10526	10435	10866	10948	11128	12494	13245	13787	13739	13512	13934	14140	14159	13751	12754	12372	13751	13576	12931	12723

Gas Usage

Station	(mmscfd)
CBPS	49
GLGR	53
PAKA	129
PGPS	54
SRDG	22
TJGS	114
TNB Total	420
KLPP	106
MPSS	58
PGLA	115
PKLG	114
PLPS	108
SGB3	94
SGRI	176
SKSP	55
YPGS	67
YPKA	132
IPP Total	1,025
Total Gas	1,445
Total Gas Required :	1,466
Gas Calorific Value :	38.500

Alternate Fuel Usage

Station	(mmscfd)
CBPS	20
Total	20

Generation Mix

Type	MWh	Percentage
ST-Coal	28,258.00	9.42 %
Gas	53,641.00	17.87 %
Hydro	10,365.00	3.45 %
Distillate	2,151.00	0.72 %
Total TNB	94,415.0	31.46 %
ST-Coal	73,274.0	24.42 %
ST-Gas	11,082.0	3.69 %
Gas	120,017.0	39.99 %
Total IPP	204,373.0	68.10 %
Co-Gen	1,949.0	0.65 %
Total Co-Gen	1,949.0	0.65 %
Total Generation	300,737.0	100.21 %
PLTG	-237.0	-0.08 %
HVDC	873.0	0.29 %
Interconnection	636.0	0.21 %
Net Energy	300,101.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	310
Hydro	162
Syncon	469
Thermal	3
Total	944

	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	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	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	-1	
TMGR	HY02	0	0	0	0	0	0	0	0	0	0	27	37	33	60	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	25	36	32	43	35	36	35	33	31	29	35	38	35	38	33	36	35	35	33	32	34	38	35	59	35	
UPIA	HY01	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	
UPIA	HY02	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
Total Hydro		177	195	190	204	194	197	197	192	188	185	195	225	194	198	192	195	193	195	330	529	559	659	870	1083		
CBPS	GT03	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	
CBPS	GT05	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	
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	42	44	43	44	45	44	43	45	44	44	45	47	46	45	46	46	44	45	43	42	43	42	41	42	42	
PCUF	CUFK	37	36	37	38	38	38	38	40	38	41	40	41	40	39	39	40	38	37	36	36	36	37	37	37	37	36
Total Co-Gen		79	80	80	82	83	82	79	83	82	84	83	88	86	86	86	87	84	84	82	82	81	79	77	78	78	
Total Gen		12172	11916	11602	11224	11173	10837	10708	10629	10587	10472	10471	10318	10900	10965	10948	10834	11122	11825	12513	12964	13293	13687	13901	13971	13748	
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	0	
TIE-HVDC		30	30	30	30	31	31	31	29	29	31	31	30	30	31	31	30	30	30	30	30	29	29	30	30	30	
TIE-PLTG		115	87	-30	-114	59	-41	-2	-45	32	136	5	-70	4	-58	-31	-109	-36	-64	-11	-35	18	-17	83	8	-21	
Interconnection		145	117	0	-84	90	-10	29	-14	61	165	36	-39	34	-28	0	-78	-6	-34	19	-5	48	13	114	39	9	
System Total		12027	11799	11602	11308	11083	10847	10679	10643	10526	10307	10435	10357	10866	10993	10948	10912	11128	11859	12494	12969	13245	13674	13787	13932	13739	
SRev ST-Coal		55	56	53	52	55	55	51	52	50	52	47	45	42	44	48	45	45	15	94	18	1	22	14	18	20	22
SRev ST-Gas		4	65	85	75	75	75	75	75	75	74	74	75	75	75	83	27	5	5	5	18	9	5	5	4	4	5
SRev CCGT-Gas		422	221	138	328	283	615	746	831	873	974	998	1244	630	575	556	617	967	715	439	306	262	135	192	369	300	
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	87	38	67	70	84	100	
SRev Distillate		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	5	7	6	7	9	
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		731	731	731	731	731	580	731	731	731	731	580	731	731	731	731	625	625	625	474	474	323	625	474	625	625	
Hydro		135	117	122	108	118	115	266	120	124	127	117	238	118	114	120	117	119	117	88	99	154	305	319	377	159	
S.Reserve Total		1347	1190	1129	1294	1262	1591	1718	1809	1853	1959	1967	2181	1596	1539	1530	1585	1937	1661	1273	1053	1159	984	1091	1172	1200	