

Availability At Daily Maximum Demand Hour

ST-Coal	1,930	MW
ST-Gas	70	MW
ST-Oil	0	MW
Gas	4,270	MW
Hydro	1,801	MW
Distillate	0	MW
Total TNB	8,071	MW
Total IPP	8,885	MW
Total Co-Gen	81	MW
System Total	17,037	MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 14:30	
TNB Generation	6,849 MW
IPP Generation	8,167 MW
Total Set On Bus	15,955 MW
Maximum Demand	15,062 MW
Spinning Reserve	858 MW
Net Energy	310,096 MWH
Load Factor	85.8 %
Total Cost	59,098,084.53 RM
Cost per Unit	202.85 RM

Maximum Demand Record

Date :	13/05/2013	16,562.0MW
Date :	25/06/2013	345,254.0MWH

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	11747	11058	10724	10281	10140	10052	10499	10571	11109	12915	13986	14534	14578	14175	14722	15060	15039	14806	13698	13481	14525	14312	13805	13325

Gas Usage

Station	(mmscfd)
CBPS	74
GLGR	65
PAKA	161
PGPS	36
SRDG	66
TJGS	217
TNB Total	619
KLPP	110
MPSS	57
PDPS	30
PGLA	112
PKLG	52
PLPS	104
PTEK	30
SGB3	24
SGRI	187
SKSP	54
YPGS	67
YPKA	132
IPP Total	959
Total Gas	1,578
Total Gas Required :	1,598
Gas Calorific Value :	38.500

Alternate Fuel Usage

Station	(mmscfd)
PGPS	7
PKLG	7
SGRI	6
Total	20

Generation Mix

Type	MWh	Percentage
ST-Coal	46,070.00	14.86 %
Gas	77,640.00	25.04 %
Hydro	18,795.00	6.06 %
Distillate	733.00	0.24 %
Total TNB	143,238.0	46.19 %
ST-Coal	42,691.0	13.77 %
ST-Gas	5,084.0	1.64 %
ST-Oil	676.0	0.22 %
Gas	115,901.0	37.38 %
Distillate	751.0	0.24 %
Total IPP	165,103.0	53.24 %
Co-Gen	1,881.0	0.61 %
Total Co-Gen	1,881.0	0.61 %
Total Generation	310,222.0	100.04 %
PLTG	329.0	0.11 %
HVDC	-203.0	-0.07 %
Interconnection	126.0	0.04 %
Net Energy	310,096.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	369
Hydro	302
Syncon	149
Thermal	53
Total	872

	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
MNOR	HY01	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
PGAU	HY01	-1	-1	-1	-1	23	-1	-1	-1	-1	-1	-1	-1	-1	-1	109	79	112	111	120	108	111	111	111	110
PGAU	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	81	81	91	78	80	81	81	80	83
PGAU	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	81	81	91	78	81	81	81	80	82
PGAU	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	112	112	122	110	112	112	111	114	112
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	30	30	30	30	30	30	30
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	30	30	30	30	30	30	30
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	16	16	16	16	16	16	16	16
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	16	16	16	16	16	16	16	16
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	16	16	16	16	16	16	16	16
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	16	16	16	16	16	16	16	16
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	34	35	32	39	30	30	32	32	31
TMGR	HY04	31	25	38	31	44	27	32	29	36	32	36	46	41	39	38	39	35	38	34	36	37	36	41	32
UPIA	HY01	5	5	5	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
Total Hydro		467	454	292	172	258	164	197	172	170	199	175	193	279	224	221	282	357	492	528	593	671	1071	1066	
PGPS	GT3A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PGPS	GT3B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PGPS	ST3C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SGRI	GT13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SGRI	GT21	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	
PCUF	CUFG	42	41	43	41	41	43	42	41	43	42	43	43	44	43	43	43	42	43	41	41	43	41	41	42
PCUF	CUFK	35	34	33	35	35	35	35	36	35	36	35	34	36	35	36	34	35	35	37	35	36	38	40	40
Total Co-Gen		77	75	76	76	78	77	76	79	77	79	78	78	79	78	78	78	78	77	79	81	81	82	79	
Total Gen		11744	11525	11039	10814	10713	10689	10408	10298	10220	10173	10113	10154	10413	10545	10571	10605	11082	12116	12873	13357	13919	14402	14530	
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	0	0	-30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TIE-PLTG		26	99	-19	-45	-11	103	127	76	80	-34	61	-24	-86	-95	0	41	-27	-32	-42	25	-67	91	-4	
Interconnection		-3	99	-19	-75	-11	103	127	76	80	-34	61	-24	-86	-95	0	41	-27	-32	-42	25	-67	91	-4	
System Total		11747	11426	11058	10889	10724	10586	10281	10222	10140	10207	10052	10178	10499	10640	10571	10564	11109	12148	12915	13332	13986	14311	14534	
SRev ST-Coal		60	63	53	52	64	58	61	68	93	121	123	124	109	49	62	52	55	60	56	43	54	50	54	57
SRev ST-Gas		-2	-1	-1	-1	1	-1	43	38	37	37	38	38	38	37	37	38	42	9	3	0	-3	-2	-2	-2
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
SRev CCGT-Gas		405	605	1105	1131	1094	1034	1812	1822	1934	1979	2015	1990	1832	1706	1800	1838	1430	1034	489	355	129	153	154	157
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		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
Syncon		625	625	726	726	575	726	575	726	726	726	726	726	575	726	726	726	625	625	625	474	474	172	172	172
Hydro		133	146	106	127	191	135	253	126	129	100	124	106	171	75	78	118	244	109	73	159	316	418	423	362

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																								
S.Reserve Total		1221	1438	1989	2035	1925	1952	2744	2780	2919	2963	3026	2984	2725	2594	2703	2771	2392	1870	1257	1215	1106	1042	1026	906	1054	1177	1317	1206	1053	858	935	923	857	912	955	1024	1070	1379	1381	561	915	854	989	1083	1240	1067	1043	1130