

Availability At Daily Maximum Demand Hour

ST-Coal	1,380 MW
ST-Gas	70 MW
ST-Oil	0 MW
Gas	3,686 MW
Hydro	1,818 MW
Distillate	0 MW
Total TNB	6,954 MW
Total IPP	9,524 MW
Total Co-Gen	44 MW
System Total	16,522 MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 14:30	
TNB Generation	5,827 MW
IPP Generation	9,265 MW
Total Set On Bus	15,996 MW
Maximum Demand	15,204 MW
Spinning Reserve	860 MW
Net Energy	309,225 MWH
Load Factor	84.7 %
Total Cost	57,237,688 RM
Cost per Unit	19.65 cents/KWhr

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	11673	10965	10623	10252	9966	9972	10411	10811	11376	13036	14086	14629	14655	14351	14843	15046	15056	14709	13727	13446	14509	14143	13340	13036

Gas Usage

Station	(mmscfd)
CBPS	62
GLGR	65
PAKA	164
PGPS	46
SRDG	78
TJGS	113
TNB Total	527
KLPP	121
MPSS	58
PDPS	31
PGLA	116
PKLG	51
PLPS	117
PTEK	27
SGB3	89
SGRI	215
SKSP	55
YPGS	67
YPKA	65
IPP Total	1,014
Total Gas	1,541

Total Gas Required : 1,541
Gas Calorific Value : 38,500

Generation Mix

Type	MWh	Percentage
ST-Coal	32,687.00	10.57 %
Gas	63,358.00	20.49 %
Hydro	17,531.00	5.67 %
Total TNB	113,576.0	36.73 %
ST-Coal	65,783.0	21.27 %
ST-Gas	5,038.0	1.63 %
Gas	123,201.0	39.84 %
Total IPP	194,022.0	62.74 %
Co-Gen	1,134.0	0.37 %
Total Co-Gen	1,134.0	0.37 %
Total Generation	308,732.0	99.84 %
PLTG	112.0	0.04 %
HVDC	-605.0	-0.20 %
Interconnection	-493.0	-0.16 %
Net Energy	309,225.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	374
Hydro	262
Syncon	188
Thermal	66
Total	890

	Weather	Temperature
Morning	Sunny	28
Afternoon	Hot	32

Table with 23 columns representing hourly generation (0000 to 2300) and rows for various power stations including SGRI, YPGS, YPKA, PLPS, SKSP, CBPS, PDPS, PTEK, SRDG, BSIA, CEND, KNRG, and KNYR.

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
LPIA	HY01	24	23	23	24	24	24	24	23	23	24	24	23	23	23	23	23	23	23	23	23	24	24	24	24
MNOR	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
PGAU	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
PGAU	HY02	-1	-1	-1	15	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	81	110	110
PGAU	HY03	-1	-1	-1	-1	-1	-1	21	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	83	112	113
PGAU	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
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SIHY	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	HY01	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	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	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	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	-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	36	35	36	32	37	37	37	39	37	36	36	41	42	39	39	39	41	38	36	36	34	39	79	78
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	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		257	225	205	209	202	199	201	243	211	197	199	235	245	240	202	244	368	541	740	732	754	1014	1191	1175
PCUF	CUFG	12	15	13	13	13	13	13	12	13	13	13	13	14	14	14	13	14	14	14	13	14	13	13	13
PCUF	CUFK	35	35	37	35	35	37	34	35	36	37	36	38	38	39	37	36	34	34	35	35	35	37	34	35
Total Co-Gen		47	48	50	48	48	50	47	48	49	49	49	51	53	53	51	50	47	48	48	48	48	50	48	48
Total Gen		11733	11370	10994	10778	10614	10392	10223	10313	9953	10069	9921	10064	10420	10614	10786	10828	11387	12412	12989	13666	14050	14312	14602	14792
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	30	30	-29	-29	-29	-29	-29	-30	-30	-29	-29	-28	-28	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29
TIE-PLTG		30	119	-91	28	20	6	0	-30	16	33	-21	-49	38	17	3	26	40	-39	-19	35	-7	72	1	-40
Interconnection		60	149	-61	-1	-9	-23	-29	-59	-13	3	-51	-78	9	-11	-25	-3	11	-67	-47	7	-36	43	-27	-68
System Total		11673	11221	10965	10779	10623	10415	10252	10372	9966	10066	9972	10142	10411	10625	10811	10831	11376	12479	13036	13659	14086	14269	14629	14860
SRev ST-Coal		77	84	75	79	82	222	234	229	216	229	309	299	231	224	76	76	75	61	67	73	73	73	69	71
SRev ST-Gas		0	0	0	0	0	0	0	0	0	31	34	35	40	13	1	0	0	2	2	1	1	1	2	1
SRev CCGT-Gas		111	236	593	717	871	952	1108	1066	1408	1263	1374	1316	1101	979	997	1237	803	442	575	310	236	157	148	148
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	222	203	280	182	81	122
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	731	731	580	731	731	731	580	731	731	731	731	731	731	731	731	580	731	625	323	323	323	323	323
Hydro		162	87	107	255	111	114	112	221	102	115	113	78	68	72	110	219	154	87	190	198	176	411	234	250
S.Reserve Total		975	1138	1506	1631	1795	2019	2185	2096	2457	2340	2558	2458	2166	2046	1927	2113	1763	1215	1177	1128	1012	1245	957	875