

Availability At Daily Maximum Demand Hour

ST-Coal	1,380 MW
ST-Gas	70 MW
ST-Oil	0 MW
Gas	4,455 MW
Hydro	1,661 MW
Distillate	0 MW
Total TNB	7,566 MW
Total IPP	9,841 MW
Total Co-Gen	74 MW
System Total	17,481 MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 15:30

TNB Generation	6,132 MW
IPP Generation	8,799 MW
Total Set On Bus	15,996 MW
Maximum Demand	14,979 MW
Spinning Reserve	991 MW
Net Energy	314,820 MWH
Load Factor	87.6 %
Total Cost	62,041,394 RM
Cost per Unit	20.59 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	12874	12257	11756	11448	11170	11115	11182	11275	11517	12967	13648	14320	14395	13989	14201	14857	14892	14728	13605	13154	14173	14079	13743	13263

Gas Usage

Station	(mmscfd)
CBPS	63
GLGR	65
PAKA	164
PGPS	43
SRDG	35
TJGS	223
TNB Total	593
KLPP	92
MPSS	60
PDPS	7
PGLA	103
PLPS	67
PTEK	8
SGB3	38
SGRI	188
SKSP	53
YPGS	67
YPKA	131
IPP Total	815
Total Gas	1,408
Total Gas Required :	1,578
Gas Calorific Value :	38,500

Alternate Fuel Usage

Station	(mmscfd)
KLPP	6
PGLA	14
PGPS	9
PKLG	135
SGRI	6
Total	170

Generation Mix

Type	MWh	Percentage
ST-Coal	33,050.00	10.50 %
Gas	76,096.00	24.17 %
Hydro	14,480.00	4.60 %
Distillate	1,148.00	0.36 %
Total TNB	124,774.0	39.63 %
ST-Coal	65,914.0	20.94 %
ST-Oil	13,290.0	4.22 %
Gas	107,665.0	34.20 %
Distillate	2,201.0	0.70 %
Total IPP	189,070.0	60.06 %
Co-Gen	1,887.0	0.60 %
Total Co-Gen	1,887.0	0.60 %
Total Generation	315,731.0	100.29 %
PLTG	185.0	0.06 %
HVDC	726.0	0.23 %
Interconnection	911.0	0.29 %
Net Energy	314,820.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	514
Hydro	252
Syncon	222
Thermal	31
Total	1019

Weather Temperature

Weather	Temperature
Morning	Sunny 25
Afternoon	Hot 34

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	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	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	56	32	29	35	33	31	32	35	36	26	37	38	41	75	75	72	38	35	33	35	33	33	39	76
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	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Total Hydro		616	225	193	233	229	196	224	274	233	190	246	246	251	258	274	258	230	501	509	529	555	1020	1297	
KLPP	GT13	132	131	130	130	131	131	133	117	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PGLA	GT12	213	216	216	216	217	217	218	217	216	109	157	0	0	0	0	0	0	0	0	0	0	0	0	0
PGPS	GT3A	88	88	89	89	89	89	83	84	83	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PGPS	GT3B	89	89	89	89	89	89	83	83	83	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PGPS	ST3C	84	84	83	84	83	84	77	77	77	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SGRI	GT13	128	128	128	128	40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SGRI	GT23	124	124	124	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Distillate		858	860	859	752	649	610	594	578	459	217	109	157	0	0	0	0	0	0	0	0	0	0	0	
PCUF	CUFG	41	42	42	42	42	42	42	42	43	44	43	43	42	44	44	41	41	41	40	41	41	41	41	41
PCUF	CUFK	39	41	40	39	39	40	40	40	42	40	38	41	41	40	39	40	38	37	38	36	37	37	35	36
Total Co-Gen		80	83	82	81	81	82	82	82	84	83	82	84	84	82	81	81	79	81	79	77	78	76	76	
Total Gen		12943	12584	12284	12856	11851	11712	11523	11287	11204	11137	11078	11067	11149	11432	11329	11262	11524	12361	12982	13449	13757	14050	14354	
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	30	30	31	31	30	30	30	29	31	31	31	31	30	30	30	30	30	30	30	30	30
TIE-PLTG		39	-42	-3	33	65	94	44	-22	4	-14	-67	1	-62	52	24	0	-23	55	-16	17	79	7	5	
Interconnection		69	-12	27	63	95	124	75	9	34	16	-37	31	-33	81	54	30	7	85	15	48	109	37		
System Total		12874	12596	12257	11993	11756	11588	11448	11278	11170	11121	11115	11036	11182	11351	11275	11232	11517	12276	12967	13401	13648	14013	14320	
SRev ST-Coal		36	23	23	75	74	79	82	65	34	19	38	29	25	32	27	36	24	21	24	22	28	37	37	
SRev ST-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 ST-Oil		5	7	11	9	9	8	6	6	5	5	3	3	2	13	82	82	85	9	2	2	2	2	2	2
SRev CCGT-Gas		470	351	473	248	239	247	428	775	870	979	955	1021	1028	783	758	798	1105	982	504	435	500	756	734	
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		92	90	91	198	161	60	76	92	71	13	121	73	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		474	731	731	731	731	731	580	731	731	731	731	731	580	580	580	731	625	625	625	625	151	0	0	0
Hydro		161	85	117	77	81	114	86	187	77	120	65	64	59	203	187	202	79	124	116	96	179	388	284	
S.Reserve Total		1238	1287	1446	1336	1295	1239	1409	1705	1788	1867	1913	1921	1845	1611	1634	1698	2024	1761	1303	1243	1424	1399	1173	