

Availability At Daily Maximum Demand Hour

ST-Coal	1,940 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	4,154 MW
Hydro	1,678 MW
Distillate	100 MW
Total TNB	7,872 MW
Total IPP	9,710 MW
Total Co-Gen	88 MW
System Total	17,670 MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 16:30

TNB Generation	6,895 MW
IPP Generation	8,748 MW
Total Set On Bus	16,685 MW
Maximum Demand	15,709 MW
Spinning Reserve	954 MW
Net Energy	327,717 MWH
Load Factor	86.9 %
Total Cost	66,678,612 RM
Cost per Unit	21.15 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	13513	12671	12348	11877	11631	11386	11439	11581	11828	13370	14161	14953	15091	14556	14878	15345	15591	15284	14148	13640	14961	14843	14430	14015

Gas Usage

Station	(mmscfd)
CBPS	80
GLGR	32
PAKA	194
PGPS	17
SRDG	23
TJGS	200
TNB Total	547
KLPP	50
MPSS	59
PDPS	4
PGLA	57
PLPS	107
PTEK	27
SGB3	37
SGRI	116
SKSP	53
YPKA	131
IPP Total	641
Total Gas	1,187
Total Gas Required :	1,537
Gas Calorific Value :	38,500

Alternate Fuel Usage

Station	(mmscfd)
KLPP	65
PDPS	31
PGPS	25
PKLG	133
PTEK	14
SGB3	1
SGRI	80
Total	350

Generation Mix

Type	MWh	Percentage
ST-Coal	44,523.00	13.59 %
Gas	70,878.00	21.63 %
Hydro	13,558.00	4.14 %
Distillate	2,091.00	0.64 %
Total TNB	131,050.0	39.99 %
ST-Coal	78,168.0	23.85 %
ST-Oil	13,112.0	4.00 %
Gas	83,387.0	25.44 %
Distillate	20,857.0	6.36 %
Total IPP	195,524.0	59.66 %
Co-Gen	2,179.0	0.66 %
Total Co-Gen	2,179.0	0.66 %
Total Generation	328,753.0	100.32 %
PLTG	315.0	0.10 %
HVDC	721.0	0.22 %
Interconnection	1,036.0	0.32 %
Net Energy	327,717.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	591
Hydro	152
Syncon	213
Thermal	91
Total	1046

	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
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	32	26	27	38	34	29	27	26	26	18	25	18	19	28	24	26	36	37	37	29	32	56	59	68
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UPIA	HY01	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
Total Hydro		493	370	300	407	370	271	167	164	163	144	158	148	150	215	154	153	188	214	294	360	401	779	1097	
KLPP	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
KLPP	GT14	135	135	135	135	135	136	136	136	136	137	137	134	134	80	80	71	71	127	127	136	136	135	135	135
KLPP	GT15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KLPP	ST17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PDPS	GT01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PDPS	GT02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PDPS	GT04	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	GT3A	89	89	82	82	84	83	82	84	83	79	83	80	80	83	82	82	83	83	82	82	90	91	90	90
PTEK	GT2A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PTEK	GT2B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SGB3	GT31	103	99	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	76	124	127	127	126	126	125	125	124	124	124	124	124
SGRI	GT21	121	121	121	117	117	117	119	119	119	119	119	119	119	119	119	119	119	119	119	119	119	119	119	119
SGRI	GT23	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		448	444	338	334	336	335	337	339	338	334	339	336	333	336	281	281	349	401	580	580	592	593	721	
PCUF	CUFG	53	52	52	53	52	53	53	52	52	53	53	53	53	52	52	54	54	52	51	52	52	50	50	
PCUF	CUFK	41	39	40	39	41	39	41	39	41	39	41	40	40	39	39	40	40	39	39	40	39	40	38	
Total Co-Gen		94	91	92	93	92	94	91	93	92	94	93	91	91	94	94	91	90	92	91	90	88	90	89	
Total Gen		13487	13114	12697	12544	12323	12194	11836	11716	11664	11412	11427	11391	11549	11740	11685	11436	11887	12783	13467	13979	14249	14616	14980	
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	30	30	29	29	31	31	29	29	30	30	30	30	30	30	30	30	30	30	30
TIE-PLTG		-56	3	-4	-16	-55	37	-71	-12	4	59	10	55	81	46	74	39	28	-4	67	100	58	-23	-2	
Interconnection		-26	33	26	14	-25	67	-41	18	33	88	41	86	110	75	104	69	59	27	97	129	88	7	27	
System Total		13513	13081	12671	12530	12348	12127	11877	11698	11631	11324	11386	11305	11439	11665	11581	11367	11828	12756	13370	13850	14161	14609	14953	
SRev ST-Coal		142	130	141	151	138	138	135	141	130	136	142	137	78	34	152	131	88	86	90	79	65	81	63	
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		7	8	8	7	7	6	7	7	7	7	5	7	6	8	7	7	8	8	7	7	8	8	8	8
SRev CCGT-Gas		541	485	666	533	523	552	812	922	985	1207	1347	1396	1314	1234	1353	1606	1291	711	521	427	339	400	326	
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		72	76	42	46	44	45	43	41	42	46	41	44	47	44	99	99	171	119	80	80	68	67	79	
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	625	625	579	579	579	730	730	730	730	730	730	730	730	730	730	730	730	625	625	625	323	86	
Hydro		155	125	194	134	172	169	121	122	123	142	129	141	138	222	131	133	99	75	99	136	93	288	293	
S.Reserve Total		1391	1449	1676	1450	1463	1489	1848	1963	2017	2268	2396	2453	2314	2119	2453	2706	2386	1729	1423	1462	1359	1262	1092	