

Availability At Daily Maximum Demand Hour

ST-Coal	1,380 MW
ST-Gas	70 MW
ST-Oil	0 MW
Gas	3,860 MW
Hydro	1,658 MW
Distillate	0 MW
Total TNB	6,968 MW
Total IPP	10,714 MW
Total Co-Gen	48 MW
System Total	17,730 MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 21:00

TNB Generation	4,168 MW
IPP Generation	9,275 MW
Total Set On Bus	14,538 MW
Maximum Demand	13,460 MW
Spinning Reserve	1,047 MW
Net Energy	282,586 MWH
Load Factor	87.5 %
Total Cost	47,203,954 RM
Cost per Unit	17.00 cents/kWH

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	12789	12031	11768	11444	10938	10883	10748	10622	10045	10394	10993	11626	11748	11746	11941	12058	12258	12002	11739	11893	13270	13460	13239	13162

Gas Usage

Station	(mmscfd)
CBPS	32
GLGR	65
PAKA	145
PGPS	26
TJGS	114
TNB Total	382
KLPP	106
MPSS	34
PGLA	115
PKLG	84
PLPS	46
SGB3	43
SGRI	169
SKSP	52
YPGS	63
YPKA	127
IPP Total	838
Total Gas	1,221

Total Gas Required : 1,236
Gas Calorific Value : 38,500

Alternate Fuel Usage

Station	(mmscfd)
PKLG	16
Total	16

Generation Mix

Type	MWh	Percentage
ST-Coal	32,974.00	11.67 %
Gas	49,319.00	17.45 %
Hydro	6,905.00	2.44 %
Total TNB	89,198.0	31.56 %
ST-Coal	83,694.0	29.62 %
ST-Gas	8,172.0	2.89 %
ST-Oil	1,506.0	0.53 %
Gas	99,768.0	35.31 %
Total IPP	193,140.0	68.35 %
Co-Gen	1,076.0	0.38 %
Total Co-Gen	1,076.0	0.38 %
Total Generation	283,414.0	100.29 %
PLTG	106.0	0.04 %
HVDC	722.0	0.26 %
Interconnection	828.0	0.29 %
Net Energy	282,586.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	239
Hydro	168
Syncon	353
Thermal	68
Total	828

Weather Temperature

	Weather	Temperature
Morning	Sunny	27
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																											
PCUF	CUFK	38	37	36	39	37	38	39	37	40	40	40	39	37	40	39	39	40	40	38	38	37	36	35	36	32	33	33	32	32	31	32	34	34	35	35	36	37	38	38	37	38	40	37	39	38	37	39				
Total Co-Gen		46	46	45	47	45	48	48	45	49	49	49	48	45	48	49	50	50	49	47	46	44	43	42	44	39	40	40	38	39	39	37	39	42	41	42	43	43	45	47	45	46	47	48	46	47	46	45	47			
Total Gen		12770	12824	12822	12830	11704	11566	11436	11294	10990	10922	10892	10894	10837	10848	10739	10318	10061	10250	10434	10794	11072	11390	11634	11707	11735	11806	11830	11832	11947	12120	12154	12274	12310	12132	12044	11896	11757	11718	11884	12706	13274	13512	13491	13473	13364	13248	13188	12885			
TIB-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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
TIB-HVDC		31	31	31	30	30	31	31	31	29	32	29	29	29	30	30	30	30	29	30	30	30	31	29	29	30	31	30	30	30	30	30	30	30	30	31	31	31	31	29	29	30	30	30	30	30	30	30	30			
TIE-PLTG		-50	12	-40	5	-94	-40	-35	-3	27	85	-16	-35	64	-2	91	56	-14	-34	11	18	49	48	-23	-11	-42	-47	53	-11	-24	-57	66	63	22	-34	12	12	-13	-13	-40	-17	-25	56	1	29	95	46	-4	16			
Interconnection		-19	43	-9	35	-64	-9	-4	28	56	117	13	-6	93	28	121	86	16	-4	40	48	79	78	8	18	-13	-17	84	19	6	-27	96	93	52	-4	42	43	18	18	-9	12	4	86	31	89	125	76	26	46			
System Total		12789	12281	12031	11995	11768	11575	11440	11266	10934	10805	10879	10900	10744	10820	10618	10232	10045	10254	10394	10746	10993	11312	11626	11689	11748	11823	11746	11813	11941	12147	12058	12181	12258	12136	12002	11853	11739	11700	11893	12694	13270	13426	13460	13414	13239	13172	13162	12839			
SRev ST-Coal		37	112	28	31	89	13	28	32	36	42	30	44	38	38	44	31	206	206	206	82	39	38	74	53	42	43	28	33	16	19	36	32	43	45	36	34	37	34	16	24	37	29	41	39	94	100	98	114			
SRev ST-Gas		0	0	0	0	0	38	38	38	38	38	38	38	38	38	38	75	75	75	75	75	75	75	75	75	77	83	83	83	83	85	31	11	5	4	4	4	4	4	4	4	4	4	12	3	3	-7	-27	-1	1		
SRev ST-Oil		83	74	74	76	75	37	37	37	37	37	37	37	37	37	37	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	0	0	0	0	0	0	0	0	0	0	
SRev CCGT-Gas		172	259	212	242	483	307	419	530	813	866	935	916	955	956	1044	1482	1582	1409	1232	984	755	426	267	298	236	247	339	413	294	253	263	390	305	354	426	583	770	773	893	564	359	341	295	215	268	164	492	314			
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	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	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	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	0	0
Syncon		429	731	731	731	731	731	731	731	731	731	731	731	731	731	731	580	580	580	580	580	429	429	580	580	580	580	580	580	580	429	429	172	323	580	580	580	580	580	731	580	474	474	474	474	474	580	580	580			
Hydro		158	120	68	109	72	70	73	112	129	129	107	106	122	121	132	127	108	241	231	105	103	98	203	170	93	92	117	104	126	204	215	271	227	97	123	117	151	107	120	218	244	184	234	227	201	248	245	150			
S.Reserve Total		884	1301	1118	1194	1455	1201	1331	1485	1789	1848	1883	1877	1926	1926	2031	2451	2707	2516	2329	1831	1557	1222	1053	1030	1033	1050	1147	1213	1099	990	974	876	903	1080	1169	1318	1542	1498	1764	1390	1118	1040	1047	958	1030	1065	1414	1159			