

Availability At Daily Maximum Demand Hour

ST-Coal	2,070 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	4,111 MW
Hydro	1,584 MW
Distillate	0 MW
Total TNB	7,765 MW
Total IPP	9,723 MW
Total Co-Gen	51 MW
System Total	17,539 MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 21:00	
TNB Generation	5,871 MW
IPP Generation	7,818 MW
Total Set On Bus	14,590 MW
Maximum Demand	13,747 MW
Spinning Reserve	850 MW
Net Energy	293,511 MWH
Load Factor	89.0 %
Total Cost	49,966,733 RM
Cost per Unit	17.40 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	13084	12375	12033	11663	11181	10978	11149	10675	10350	10989	11752	12191	12442	12507	12640	12809	12770	12542	12260	12434	13672	13747	13432	13321

Gas Usage

Station	(mmscfd)
CBPS	35
GLGR	66
PAKA	160
PGPS	39
SRDG	4
TJGS	217
TNB Total	521
KLPP	90
MPSS	31
PGLA	112
PLPS	93
SGB3	37
SGRI	166
SKSP	3
YPGS	61
YPKA	81
IPP Total	674
Total Gas	1,194
Total Gas Required :	1,318
Gas Calorific Value :	38,500

Alternate Fuel Usage

Station	(mmscfd)
PKLG	124
Total	124

Generation Mix

Type	MWh	Percentage
ST-Coal	49,178.00	16.76 %
Gas	68,708.00	23.41 %
Hydro	7,327.00	2.50 %
Total TNB	125,213.0	42.66 %
ST-Coal	67,410.0	22.97 %
ST-Oil	12,133.0	4.13 %
Gas	88,500.0	30.15 %
Total IPP	168,043.0	57.25 %
Co-Gen	1,204.0	0.41 %
Total Co-Gen	1,204.0	0.41 %
Total Generation	294,460.0	100.32 %
PLTG	221.0	0.08 %
HVDC	728.0	0.25 %
Interconnection	949.0	0.32 %
Net Energy	293,511.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	262
Hydro	149
Syncon	502
Thermal	83
Total	996

	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																									
Total Co-Gen	55	51	50	49	52	52	53	50	52	50	51	52	51	52	50	50	50	49	48	47	50	50	49	50	48	48	49	48	47	50	49	50	53	49	51	51	52	51	50	52	51	50	51						
Total Gen	13075	12794	12422	12263	12059	11942	11688	11445	11206	11183	11011	11063	11125	11108	10731	10449	10452	10826	11066	11445	11837	12167	12254	12529	12513	12445	12538	12652	12639	12957	12889	12950	12913	12816	12605	12367	12282	12228	12479	13213	13588	13575	13740	13807	13525	13536	13459	13170	
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	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	31	31	30	30	31	31	31	31	31	29	29	30	30	30	30	30	30	30	30	31	31	31	31	31	31	31	31	30	30	30	30	31	31	30	30	29	29	30	30	31	31	30	30	30	30		
TIE-PLTG	-39	-26	16	26	-4	-3	-6	2	-6	20	2	1	-53	-8	25	9	72	19	47	32	55	9	32	-16	40	11	0	54	-32	10	50	-43	113	2	32	45	-8	14	16	-52	-114	-124	-38	61	63	52	108	-25	
Interconnection	-9	4	47	57	26	27	25	33	25	51	33	32	-24	21	56	39	102	49	77	62	85	39	63	15	71	42	31	85	-1	41	80	-13	143	32	63	76	22	44	45	-23	-84	-94	-7	92	93	82	138	5	
System Total	13084	12790	12375	12206	12033	11915	11663	11412	11181	11132	10978	11031	11149	11087	10675	10410	10350	10777	10989	11383	11752	12128	12191	12514	12442	12403	12507	12567	12640	12916	12809	12963	12770	12784	12542	12291	12260	12184	12434	13236	13672	13669	13747	13715	13432	13454	13321	13165	
SRev ST-Coal	60	59	61	72	51	53	60	61	65	133	128	106	42	98	61	276	273	144	69	78	68	71	73	76	121	79	65	74	72	72	68	81	89	97	71	73	92	73	55	71	80	54	77	90	66	66	82	56	
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	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 ST-Oil	4	-3	5	5	3	3	3	80	74	74	74	74	74	74	74	74	78	72	8	4	5	4	3	3	3	4	4	4	4	6	4	5	5	3	3	5	8	9	10	9	9	10	9	8	9	8	8	8	
SRev CCGT-Gas	435	271	424	232	450	593	828	980	920	807	932	937	981	956	1308	1383	1381	1263	1239	855	484	212	281	353	611	465	359	199	278	211	257	206	201	160	384	466	609	1000	856	214	156	135	90	79	283	226	295	356	
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
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
Syncon	731	580	580	646	646	646	646	731	580	731	731	731	731	731	731	731	496	345	496	496	496	496	581	324	324	581	580	580	581	324	475	475	475	581	581	496	496	496	345	496	474	731	580	474	625	496	345	496	
Hydro	86	256	264	132	134	136	109	146	147	243	140	142	101	88	149	141	141	255	134	143	135	202	88	194	215	136	241	246	167	216	98	80	111	121	139	152	117	129	236	107	243	66	92	91	165	157	300	105	
S.Reserve Total	1316	1163	1334	1087	1284	1431	1646	1836	1943	1837	2005	1990	1929	1947	2323	2605	2365	2085	2010	1580	1187	986	1027	950	1274	1264	1249	1103	1102	827	904	846	881	964	1178	1190	1319	1706	1501	898	992	996	850	744	1148	955	1031	1021	