

Availability At Daily Maximum Demand Hour

ST-Coal	1,380	MW
ST-Gas	70	MW
ST-Oil	0	MW
Gas	3,816	MW
Hydro	1,819	MW
Distillate	0	MW
Total TNB	7,085	MW
Total IPP	8,848	MW
Total Co-Gen	51	MW
System Total	15,984	MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 20:00	
TNB Generation	5,219 MW
IPP Generation	7,822 MW
Total Set On Bus	13,907 MW
Maximum Demand	13,091 MW
Spinning Reserve	815 MW
Net Energy	280,433 MWH
Load Factor	89.3 %
Total Cost	51,884,958 RM
Cost per Unit	19.66 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	11858	11236	10833	10334	10258	10160	10246	10364	10312	11458	12031	12622	12533	12157	12447	12496	12273	12099	11835	12209	13091	12775	12498	12099

Gas Usage

Station	(mmscfd)
CBPS	57
GLGR	65
PAKA	174
PGPS	54
SRDG	29
TJGS	115
TNB Total	495
KLPP	117
MPSS	59
PDPS	5
PGLA	117
PLPS	103
SGB3	93
SGRI	196
SKSP	55
YPGS	67
YPKA	99

IPP Total	912
Total Gas	1,407

Total Gas Required : 1,476
Gas Calorific Value : 38.500

Alternate Fuel Usage

Station	(mmscfd)
PKLG	69
Total	69

Generation Mix

Type	MWh	Percentage
ST-Coal	32,641.00	11.64 %
Gas	61,915.00	22.08 %
Hydro	15,995.00	5.70 %
Total TNB	110,551.0	39.42 %
ST-Coal	41,857.0	14.93 %
ST-Oil	6,764.0	2.41 %
Gas	119,527.0	42.62 %
Total IPP	168,148.0	59.96 %
Co-Gen	1,165.0	0.42 %
Total Co-Gen	1,165.0	0.42 %
Total Generation	279,864.0	99.80 %
PLTG	128.0	0.05 %
HVDC	-697.0	-0.25 %
Interconnection	-569.0	-0.20 %
Net Energy	280,433.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	273
Hydro	196
Syncon	379
Thermal	18
Total	867

	Weather	Temperature
Morning	Sunny	26
Afternoon	Hot	36

Daily MW Generation On Saturday

18-Jan-2014

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	16	16	16	16	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	16	16	0	0	0	0	0	0																						
SYPS	HY03	16	16	16	16	16	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	16	16	16	16	16	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	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	-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	-1	-1	-1	-1	-1																						
TMGR	HY04	32	33	36	33	35	38	25	38	38	39	38	37	38	38	35	31	32	33	34	32	35	34	40	33	31	33	33	34	33	38	38	36	33	33	33	38	37	39	35	32	36	32	37	33	35						
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	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	5	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		692	462	518	524	534	571	427	483	491	502	493	494	508	564	493	449	460	503	508	485	547	753	877	963	913	605	550	517	758	716	631	683	669	665	678	662	623	567	728	1052	1115	1187	1081	1031	975	992	656	548			
PCUF	CUFG	4	5	6	5	5	12	13	12	12	12	13	14	13	15	14	14	13	11	12	13	12	12	12	11	12	12	12	12	13	13	13	15	13	14	12	13	13	12	12	13	13	12	12	12	12	11	11				
PCUF	CUFK	36	37	35	36	36	35	36	37	36	36	36	37	39	38	35	37	39	37	37	37	35	36	37	37	37	37	35	36	37	34	35	35	36	37	37	36	37	38	37	37	38	36	38	38	38	38	38	38	38	41	
Total Co-Gen		40	42	41	41	41	47	48	48	49	48	49	51	52	53	49	51	52	48	48	52	48	51	49	48	49	47	48	49	47	48	48	51	50	51	48	50	51	49	49	49	51	49	50	50	50	50	49	52			
Total Gen		11918	11334	11196	11140	10780	10667	10364	10148	10179	10140	10068	10050	10153	10405	10398	10222	10300	10689	11418	11739	11999	12336	12559	12733	12505	12274	12165	12213	12407	12421	12408	12458	12280	12280	12113	11917	11830	11823	12228	12935	13092	13037	12756	12791	12423	12508	12111	11764			
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	0	0		
TIE-HVDC		-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-29	-28	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-28	-28	-29	-29	-28	-28	-29	-29	-29	-29	-29	-29	-29	-30	-30	-30	-30	-30	-30	-29			
TIE-PLTG		89	47	-11	19	-24	5	59	-25	-50	-16	-62	-29	-65	6	63	109	17	-15	-11	-16	-3	22	-34	-16	1	-9	37	-43	-11	0	-60	14	36	10	42	-5	24	9	48	14	30	70	11	41	-45	-7	42	-51			
Interconnection		60	18	-40	-10	-53	-24	30	-54	-79	-46	-92	-58	-93	-23	34	80	-12	-44	-40	-45	-32	-7	-63	-45	-28	-38	8	-72	-40	-28	-88	-15	7	-18	14	-34	-5	-20	19	-15	1	40	-19	11	-75	-37	12	-80			
System Total		11858	11316	11236	11150	10833	10691	10334	10202	10258	10186	10160	10108	10246	10428	10364	10142	10312	10733	11458	11784	12031	12343	12622	12778	12533	12312	12157	12285	12447	12449	12496	12473	12273	12298	12099	11951	11835	11843	12209	12950	13091	12997	12775	12780	12498	12545	12099	11844			
SRev ST-Coal		9	9	11	4	11	12	8	42	41	47	45	45	42	48	47	44	41	14	8	4	8	6	9	10	13	9	11	36	-1	6	37	37	37	34	33	35	35	34	33	35	35	37	33	37	34	38	43	10			
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	0	0
SRev ST-Oil		3	3	3	2	4	12	3	3	2	3	3	2	6	1	1	4	3	3	3	2	2	3	3	3	3	3	3	2	2	3	3	3	3	3	3	9	3	5	3	3	3	3	3	3	3	3	2	3	3		
SRev CCGI-Gas		273	288	56	132	489	628	759	968	948	990	1051	1074	985	793	726	847	829	959	605	507	363	157	68	95	259	151	211	156	231	202	148	126	303	299	417	472	575	579	256	294	196	304	473	319	458	242	345	385			
SRev OCGI-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	53	0	70	69	77	87	111	112	110	110	111	110	111	110	111	111	115	70	0	0	0	0	-2	11	27	41	2	175	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		625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625
Hydro		134	264	208	202	192	155	199	143	135	124	133	132	118	213	133	177	165	122	117	140	80	320	319	271	321	123	178	211	205	162	144	243	109	113	251	116	155	211	138	260	398	376	382	332	385	368	424	230			
S.Reserve Total		1044	1189	903	965	1321	1432	1594	1781	1751	1789	1857	1878	1776	1529	1532	1697	1663	1723	1358	1331	1078	1030	942	930	1157	1107	1140	1141	1173	1108	1066	994	1188	1195	1248	1251	1393	1452	1055	913	815	919	1104	865	1227	822	1138	1253			