

Availability At Daily Maximum Demand Hour

ST-Coal	1,380 MW
ST-Gas	70 MW
ST-Oil	0 MW
Gas	4,260 MW
Hydro	1,819 MW
Distillate	0 MW
Total TNB	7,529 MW
Total IPP	10,045 MW
Total Co-Gen	43 MW
System Total	17,617 MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 11:00	
TNB Generation	5,748 MW
IPP Generation	8,527 MW
Total Set On Bus	15,287 MW
Maximum Demand	14,267 MW
Spinning Reserve	969 MW
Net Energy	305,295 MWH
Load Factor	89.2 %
Total Cost	53,162,797 RM
Cost per Unit	17.97 cents/KWhr

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	12302	11656	11333	11028	10918	10659	10948	10984	11520	13009	13787	14267	14086	13544	13638	13980	14025	13789	13118	13169	14025	13499	12908	12749

Gas Usage

Station	(mmscfd)
CBPS	56
GLGR	66
PAKA	144
PGPS	52
SRDG	22
TIGS	220
TNB Total	559
KLPP	103
MPSS	58
PDPS	4
PGLA	112
PKLG	41
PLPS	98
SGB3	49
SGRI	218
SKSP	40
YPGS	70
YPKA	98
IPP Total	891
Total Gas	1,450
Total Gas Required :	1,450
Gas Calorific Value :	38.500

Generation Mix

Type	MWh	Percentage
ST-Coal	34,335.00	11.25 %
Gas	72,953.00	23.90 %
Hydro	10,018.00	3.28 %
Total TNB	117,306.0	38.42 %
ST-Coal	72,771.0	23.84 %
ST-Gas	3,981.0	1.30 %
Gas	110,814.0	36.30 %
Total IPP	187,566.0	61.44 %
Co-Gen	1,077.0	0.35 %
Total Co-Gen	1,077.0	0.35 %
Total Generation	305,949.0	100.21 %
PLTG	-66.0	-0.02 %
HVDC	720.0	0.24 %
Interconnection	654.0	0.21 %
Net Energy	305,295.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	327
Hydro	209
Syncon	504
Thermal	76
Total	1117

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				
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	16	16	25	25	25	25	25	25	25	0	19	25	25	25	
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	16	16	25	25	25	25	25	25	25	0	0	0	0	0	
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	16	16	24	24	24	24	24	24	24	24	25	25	25	25	
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	16	16	25	25	25	25	25	25	25	25	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	-1	-1	-1	
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	
TMGR	HY04	33	27	30	34	36	32	34	37	37	39	40	41	47	38	36	34	37	35	33	37	34	36	37	32	30	28	32	
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	4	4	4	
UPIA	HY02	5	5	5	4	4	4	4	4	4	4	4	4	5	5	5	5	6	6	6	6	6	6	6	6	6	6	6	
Total Hydro		189	167	172	192	212	177	206	210	200	189	208	227	276	199	189	180	394	493	798	764	967	978	985	956	627	471	481	
PCUF	CUFG	12	12	11	11	12	12	12	12	12	12	12	13	13	12	12	12	12	12	13	12	12	12	12	13	11	10	11	
PCUF	CUFK	33	33	33	32	34	33	34	35	32	31	32	32	33	32	32	31	32	33	33	31	32	34	33	33	33	33	36	
Total Co-Gen		45	45	44	43	46	45	46	47	44	43	44	44	45	45	44	45	45	45	44	44	46	45	45	45	46	47	44	
Total Gen		12333	11894	11710	11555	11249	11026	10831	10782	10733	10699	10843	10879	11177	10979	10980	11368	12444	12958	13395	13753	14145	14318	14295	14164	13893	13624	13660	
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	
TIE-HVDC		30	30	30	29	29	30	31	31	31	31	29	29	30	30	30	30	30	30	31	31	30	30	29	29	31	31	30	
TIE-PLTG		1	104	24	-17	-113	-9	-33	-111	-167	-100	9	-60	-98	-40	-35	-27	18	4	-81	-4	-64	47	20	0	48	54	51	
Interconnection		31	134	54	12	-84	21	-2	-80	-136	-69	40	-31	-69	-10	-5	3	48	34	-51	26	-34	78	51	30	78	83	80	
System Total		12302	11760	11656	11543	11333	11005	11028	10911	10918	10802	10659	10874	10948	11187	10984	10977	11520	12410	13809	13369	13787	14067	14267	14265	14086	13810	13544	
SRev ST-Coal		161	171	171	149	155	120	91	98	117	125	134	117	118	92	83	83	95	85	90	99	87	96	87	125	107	97	81	
SRev ST-Gas		39	38	37	37	37	37	37	37	37	37	37	37	37	37	37	38	37	37	37	37	37	37	37	37	37	37	37	37
SRev CCGT-Gas		182	519	707	826	1104	1300	1027	1245	1236	1406	1421	1313	1296	1073	1203	1541	1073	503	294	357	300	182	140	149	272	427	605	
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
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
Syncon		731	731	731	731	731	731	731	731	731	731	731	731	731	580	731	731	731	731	731	731	731	731	731	731	731	731	731	731
Hydro		125	148	142	122	102	138	137	109	105	115	124	106	87	189	116	126	134	131	137	454	487	285	272	264	293	201	357	
S.Reserve Total		1238	1607	1788	1865	2129	2326	2023	2220	2226	2414	2447	2304	2269	1971	2170	2518	2070	1488	1183	1516	1196	1034	969	1012	1144	1345	1776	