

Availability At Daily Maximum Demand Hour

ST-Coal	2,070 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	4,051 MW
Hydro	1,745 MW
Distillate	0 MW
Total TNB	7,866 MW
Total IPP	9,757 MW
Total Co-Gen	50 MW
System Total	17,958 MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 20:00	
TNB Generation	5,434 MW
IPP Generation	8,831 MW
Total Set On Bus	15,495 MW
Maximum Demand	14,300 MW
Spinning Reserve	1,180 MW
Net Energy	311,827 MWH
Load Factor	90.9 %
Total Cost	49,683,827 RM
Cost per Unit	16.22 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	13543	12901	12387	12060	11746	11385	11397	11133	11050	12309	13263	13809	13852	13668	14005	14077	13892	13466	13168	13148	14300	14162	13774	13524

Gas Usage

Station	(mmscfd)
CBPS	71
GLGR	35
PAKA	99
PGPS	43
SRDG	25
TJGS	223
TNB Total	494
KLPP	104
MPSS	58
PDPS	10
PGLA	110
PLPS	101
PTEK	7
SGB3	88
SGRI	77
SKSP	52
YPGS	67
YPKA	95
IPP Total	768
Total Gas	1,263

Total Gas Required : 1,263
Gas Calorific Value : 38,500

Generation Mix

Type	MWh	Percentage
ST-Coal	49,481.00	15.87 %
Gas	64,759.00	20.77 %
Hydro	6,925.00	2.22 %
Total TNB	121,165.0	38.86 %
ST-Coal	90,151.0	28.91 %
Gas	100,180.0	32.13 %
Total IPP	190,331.0	61.04 %
Co-Gen	1,310.0	0.42 %
Total Co-Gen	1,310.0	0.42 %
Total Generation	312,806.0	100.31 %
PLTG	250.0	0.08 %
HVDC	729.0	0.23 %
Interconnection	979.0	0.31 %
Net Energy	311,827.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	402
Hydro	152
Syncon	421
Thermal	70
Total	1045

Weather Temperature

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																											
TMGR	HY02	28	39	34	31	30	37	34	39	32	33	32	31	33	34	28	27	47	33	31	32	35	39	39	41	32	31	39	39	42	39	36	36	36	36	34	34	34	33	31	37	36	32	33	38	38	36	37	41	39		
TMGR	HY04	-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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1		
UPIA	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Hydro		158	216	197	166	163	180	174	186	163	167	165	161	168	170	155	151	184	168	162	329	375	385	446	570	368	371	426	425	430	424	432	376	377	370	319	321	321	320	334	385	372	348	284	282	280	302	287	283			
PCUF	CUFK	40	40	40	38	40	40	39	40	40	37	39	40	39	33	29	29	30	30	29	28	27	25	24	27	25	24	23	24	24	24	24	24	24	25	25	25	26	26	26	26	27	25	28	27	30	30	32	28	29		
PCUF	CUFG	27	25	25	24	24	24	25	25	25	23	25	25	24	25	24	24	25	25	26	25	25	23	24	25	25	23	24	25	24	24	25	23	24	24	25	23	24	24	25	23	24	24	23	25	24	24					
Total Co-Gen		67	65	65	62	64	64	65	65	60	64	65	63	58	53	53	55	52	54	52	51	50	49	53	50	49	46	48	49	49	48	50	48	50	49	50	51	49	50	51	50	51	51	54	53	57	52	53				
Total Gen		13621	13189	12964	12689	12459	12317	12132	11872	11757	11563	11388	11313	11429	11439	11244	11012	11063	11991	12459	12969	13344	13668	13889	14100	13888	13880	13765	13783	13991	14115	14094	13921	13917	13732	13513	13213	13185	12957	13224	13957	14315	14084	14174	14040	13857	13784	13571	13500			
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	0	
TIE-HVDC		31	31	31	31	30	30	30	31	29	29	30	30	30	31	31	30	30	31	31	30	30	30	31	31	30	30	30	31	31	31	31	30	30	31	31	31	31	29	29	30	30	31	31	29	29	31	31				
TIE-PLTG		47	-65	32	123	42	-13	42	-72	-18	3	-27	-74	2	-1	80	81	-17	217	119	51	51	-51	49	-45	6	6	67	-25	-45	-115	-14	-37	-5	9	16	-25	-14	-13	47	14	-15	30	-19	1	54	23	16	-18			
Interconnection		78	-34	63	154	72	17	72	-41	11	32	3	-44	32	29	111	112	13	248	150	92	81	-31	80	-14	36	36	97	5	-14	-84	17	-6	25	39	47	6	17	18	76	43	15	60	12	32	83	52	47	13			
System Total		13543	13223	12901	12535	12387	12300	12060	11913	11746	11531	11385	11357	11397	11410	11133	10900	11050	11743	12309	12877	13263	13699	13809	14114	13852	13844	13668	13778	14005	14199	14077	13927	13892	13693	13466	13207	13168	12939	13148	13914	14300	14024	14162	14008	13774	13732	13524	13487			
SRev	ST-Coal	49	40	76	92	77	85	63	69	62	67	67	64	70	60	46	90	72	81	60	74	71	58	72	82	80	70	68	83	68	66	75	73	72	66	78	66	66	56	63	72	53	70	71	68	74	59	77	75			
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	CCGT-Gas	311	318	348	433	547	555	554	816	915	1103	1280	1355	1238	1235	1424	1775	1775	1029	818	699	392	239	207	218	313	334	498	467	280	267	284	263	276	462	443	594	622	858	619	257	362	526	164	259	307	324	220	192			
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	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		495	344	344	495	495	495	495	495	495	495	495	495	495	495	495	495	495	495	495	495	495	495	495	495	495	495	495	495	495	495	495	495	495	495	495	495	495	495	495	495	495	495	495	495	495	495	495	495	495	495	
Hydro		163	256	275	155	158	141	147	135	158	154	156	160	153	151	166	170	137	153	159	192	147	137	227	209	154	151	96	97	92	98	240	145	144	151	177	175	175	183	169	143	156	155	144	146	148	277	141	145			
S.Reserve Total		1018	958	1043	1175	1277	1074	1259	1515	1630	1819	1998	2074	1956	1941	2131	2528	2479	1758	1532	1460	954	779	862	775	984	991	1103	1087	795	791	961	1136	1018	1205	1278	1359	1388	1621	1355	1094	1180	1387	984	1036	1088	1055	943	907			