

Availability At Daily Maximum Demand Hour

ST-Coal	1,990 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,786 MW
Hydro	1,644 MW
Distillate	0 MW
Total TNB	7,420 MW
Total IPP	10,309 MW
Total Co-Gen	84 MW
System Total	17,813 MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 14:30	
TNB Generation	6,104 MW
IPP Generation	9,411 MW
Total Set On Bus	16,553 MW
Maximum Demand	15,632 MW
Spinning Reserve	954 MW
Net Energy	325,385 MWH
Load Factor	86.7 %
Total Cost	59,533,372 RM
Cost per Unit	18.74 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	13011	12355	11850	11449	11340	11157	11453	11545	12017	13797	14602	15378	15176	14925	15333	15451	15332	14846	13975	13745	14613	14431	13860	13370

Gas Usage

Station	(mmscfd)
CBPS	35
GLGR	58
PAKA	154
PGPS	44
SRDG	32
TJGS	217
TNB Total	540
KLPP	106
MPSS	57
PDPS	40
PGLA	112
PKLG	116
PLPS	106
PTEK	44
SGB3	84
SGRI	99
SKSP	54
YPKA	130
IPP Total	951
Total Gas	1,491

Total Gas Required : 1,491
Gas Calorific Value : 38.500

Generation Mix

Type	MWh	Percentage
ST-Coal	44,782.00	13.76 %
Gas	69,375.00	21.32 %
Hydro	8,372.00	2.57 %
Total TNB	122,529.0	37.66 %
ST-Coal	84,751.0	26.05 %
ST-Gas	11,350.0	3.49 %
Gas	105,419.0	32.40 %
Total IPP	201,520.0	61.93 %
Co-Gen	2,063.0	0.63 %
Total Co-Gen	2,063.0	0.63 %
Total Generation	326,112.0	100.22 %
PLTG	1.0	0.00 %
HVDC	726.0	0.22 %
Interconnection	727.0	0.22 %
Net Energy	325,385.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	443
Hydro	164
Syncon	460
Thermal	97
Total	1164

	Weather	Temperature
Morning	Sunny	25
Afternoon	Hot	34

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	0	25	25	25	25	0	0	25	25	25	25	25	25	0	0	0	0	16	16	16	16	16	16	16	16	16	16	0								
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	0	0	25	25	25	25	25	25	0	0	0	0	16	16	16	16	16	16	16	16	16	16	0								
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	24	24	24	0	0	24	24	24	24	24	24	14	0	0	0	16	16	16	16	16	16	16	16	16	16	0								
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	0	0	25	25	25	25	25	25	0	0	0	0	16	16	16	16	16	16	16	16	16	16	0								
TMGR	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	48	25	-1	-1	58	79	79	79	79	79	79	79	0	0	0	0	16	16	16	16	16	16	16	16	16	16	0								
TMGR	HY02	34	30	32	34	34	33	29	32	33	30	30	33	34	40	32	33	35	38	36	80	38	27	35	47	28	33	36	58	84	83	79	80	80	78	79	34	33	34	38	57	33	34	33	34	29	32	31	28	
TMGR	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	49	-1	-1	-1	57	79	80	80	80	80	79	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1			
TMGR	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34	49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
UPIA	HY02	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6			
Total Hydro		247	230	245	224	198	170	164	170	169	166	184	169	183	205	168	169	177	213	215	313	250	446	589	725	562	282	248	544	860	862	874	750	746	652	376	170	171	286	324	341	481	510	375	285	277	281	279	213	
PCUF	CUFG	52	55	54	54	52	53	54	50	52	53	55	51	52	53	52	55	55	53	54	55	55	53	53	53	54	52	52	54	53	54	52	53	51	53	52	53	52	54	52	53	53	53	52	52	53				
PCUF	CUFK	36	34	36	34	35	36	36	35	35	36	35	35	35	34	37	36	36	36	37	34	34	31	33	33	32	31	30	29	29	30	29	29	29	30	30	31	30	31	32	31	32	32	33	35	33	35	34	31	
Total Co-Gen		88	89	90	88	87	89	90	85	87	89	90	86	87	87	89	91	91	89	91	89	89	84	86	86	86	83	82	83	82	84	81	80	80	84	82	84	81	84	84	84	84	86	85	88	86	87	86	84	
Total Gen		13008	12681	12403	12121	11900	11736	11490	11421	11382	11282	11222	11315	11472	11666	11586	11477	12034	13121	13792	14334	14600	14972	15371	15421	15251	15095	14955	15215	15398	15599	15459	15404	15353	15273	14936	14483	13980	13639	13758	14393	14638	14742	14469	14315	13932	13648	13405	13120	
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	
TIE-HVDC		29	29	31	30	30	30	30	31	29	29	31	31	31	30	31	31	29	32	29	30	31	30	31	30	30	31	29	30	30	29	31	29	31	31	31	30	30	31	31	31	31	31	31	31	30	30	30	30	29
TIE-PLTG		-32	-23	17	5	20	27	11	44	13	0	34	-1	-12	23	10	10	-12	8	-34	49	-33	-12	-38	-10	45	-23	1	38	35	-62	-23	-46	-10	50	59	-25	-25	-26	-18	2	-6	-52	7	-9	42	-20	5	0	
Interconnection		-3	6	48	35	50	57	41	75	42	29	65	30	19	53	41	41	17	40	-5	79	-2	18	-7	20	75	8	30	68	65	-33	8	-17	21	81	90	5	5	5	13	33	25	-21	38	21	72	10	35	29	
System Total		13011	12675	12355	12086	11850	11679	11449	11346	11340	11253	11157	11285	11453	11613	11545	11436	12017	13081	13797	14255	14602	14954	15378	15401	15176	15087	14925	15147	15333	15632	15451	15421	15332	15192	14846	14478	13975	13634	13745	14360	14613	14763	14431	14294	13860	13638	13370	13091	
SRev ST-Coal		82	87	87	88	89	90	80	84	77	88	91	87	83	99	92	89	84	86	87	88	91	87	89	81	98	89	91	99	99	96	99	95	105	89	78	84	98	90	76	86	98	99	85	94	96	85	90	94	
SRev ST-Gas		8	9	83	76	74	74	74	75	75	75	75	75	75	82	27	15	8	5	6	6	5	5	4	13	21	0	4	0	1	-13	-15	5	5	5	65	83	83	26	14	6	4	4	5	5	3				
SRev CCGT-Gas		321	206	344	495	653	786	993	1056	1097	1188	1226	1120	996	803	886	999	807	495	245	271	289	351	202	259	227	185	209	221	294	255	276	255	235	330	308	358	823	1175	1123	337	232	139	139	119	226	138	252	299	
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		730	730	579	730	579	730	730	730	579	730	730	730	730	730	625	730	474	625	453	388	730	730	558	453	453	453	453	453	453	453	453	453	453	453	644	579	579	579	579	428	474	323	474	579	579	579	579		
Hydro		95	112	248	118	243	120	126	120	120	123	256	120	106	84	121	120	112	78	75	131	90	354	146	222	366	100	134	214	88	86	223	93	97	141	67	118	118	153	115	249	165	287	167	152	160	156	158	124	
S.Reserve Total		1236	1144	1341	1507	1638	1800	2003	2065	2099	2204	2227	2132	1990	1791	1904	2013	1839	1440	1175	1262	1338	1523	1128	1220	1280	1235	1375	1283	1151	954	1248	1045	1240	1316	1416	1530	1973	2470	2217	1580	1250	1106	1105	1139	1293	1011	1153	1099	