

Availability At Daily Maximum Demand Hour

ST-Coal	1,380 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	4,358 MW
Hydro	1,799 MW
Distillate	0 MW
Total TNB	7,537 MW
Total IPP	11,641 MW
Total Co-Gen	66 MW
System Total	19,244 MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 16:00	
TNB Generation	5,552 MW
IPP Generation	10,174 MW
Total Set On Bus	16,784 MW
Maximum Demand	15,814 MW
Spinning Reserve	992 MW
Net Energy	330,685 MWH
Load Factor	87.1 %
Total Cost	56,731,150 RM
Cost per Unit	17.67 cents/kWH

Maximum Demand Record

Date :	28/05/2014	16,583.0MW
Date :	25/06/2013	345,254.0MWH

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	13048	12556	12051	11651	11548	11321	11466	11656	12040	13794	14684	15294	15401	15079	15524	15730	15814	15372	14304	14003	14977	14830	14348	13864

Gas Usage

Station	(mmscfd)
CBPS	47
GLGR	66
PAKA	182
PGPS	41
SRDG	8
TJGS	210
TNB Total	555
KLPP	94
MPSS	57
PGLA	108
PKLG	39
PLPS	95
SGB3	62
SGRI	174
YPGS	66
YPKA	127
IPP Total	824
Total Gas	1,379

Total Gas Required : 1,393
Gas Calorific Value : 38,500

Alternate Fuel Usage

Station	(mmscfd)
PKLG	15
Total	15

Generation Mix

Type	MWh	Percentage
ST-Coal	32,308.00	9.77 %
Gas	72,571.00	21.95 %
Hydro	10,630.00	3.21 %
Total TNB	115,509.0	34.93 %
ST-Coal	106,567.0	32.23 %
ST-Gas	3,859.0	1.17 %
ST-Oil	1,398.0	0.42 %
Gas	102,602.0	31.03 %
Total IPP	214,426.0	64.84 %
Co-Gen	1,566.0	0.47 %
Total Co-Gen	1,566.0	0.47 %
Total Generation	331,501.0	100.25 %
PLTG	92.0	0.03 %
HVDC	724.0	0.22 %
Interconnection	816.0	0.25 %
Net Energy	330,685.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	426
Hydro	190
Syncon	524
Thermal	77
Total	1217

	Weather	Temperature
Morning	Rainy	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																									
SIHY	HY03	49	50	50	50	49	50	30	0	0	0	0	0	0	0	0	30	30	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50											
SYPS	HY01	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16											
SYPS	HY02	25	25	25	0	0	0	0	0	0	0	0	0	0	0	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	HY03	24	25	25	0	0	0	0	0	0	0	0	0	0	0	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	25	0	0	0	0	0	0	0	0	0	0	0	0	0	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	-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											
TMGR	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	HY04	29	31	34	37	32	34	32	72	62	42	40	40	39	36	35	39	37	39	34	37	32	34	35	37	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1										
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											
UPIA	HY02	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2											
Total Hydro		405	378	348	339	285	291	263	271	281	225	209	210	226	201	200	191	203	250	239	393	529	680	706	722	756	648	661	713	723	728	725	660	672	691	471	407	364	301	351	481	664	683	540	483	389	263	384	356	
PCUF	CUFK	31	32	31	31	31	31	30	31	31	32	29	31	32	32	31	31	32	31	32	30	29	28	30	28	27	27	28	27	27	27	30	29	29	31	30	30	30	31	29	32	31	31	30	31	30	32	34		
PCUF	CUFK	36	35	36	35	35	34	35	34	35	34	35	34	35	34	35	35	36	36	34	35	34	35	36	36	37	36	35	35	35	35	36	37	35	34	34	34	35	34	34	36	35	35	36	33	35	36			
Total Co-Gen		67	67	67	66	66	65	66	64	66	65	67	63	66	67	68	67	65	67	65	67	66	65	64	66	65	63	62	63	62	62	66	66	64	65	64	64	65	65	63	66	67	66	65	67	63	67	70		
Total Gen		13124	12765	12611	12511	12167	11969	11743	11627	11623	11454	11357	11327	11528	11657	11712	11748	12140	13131	13848	14384	14634	15051	15340	15504	15425	15156	15138	15261	15508	15640	15717	15717	15792	15756	15380	14848	14411	14031	14029	14762	15031	14974	14877	14750	14316	14070	13950	13787	
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			
TIE-HVDC		30	30	31	31	31	31	30	30	31	31	29	29	29	29	31	28	29	29	30	30	31	31	30	30	31	31	31	31	30	30	30	30	30	31	31	31	31	30	30	30	30	30	30	30	30	30	30	30	
TIE-PLTG		46	28	24	-14	85	52	62	61	44	49	7	95	33	-14	25	16	71	-6	24	1	-81	-39	16	-93	-7	-15	28	3	-46	-91	-43	-30	-52	13	-23	10	76	-10	-4	-81	24	1	17	-1	-62	-10	56	-60	
Interconnection		76	58	55	17	116	83	92	91	75	80	36	124	62	15	56	44	100	23	54	31	-50	-8	46	-63	24	16	59	34	-16	-61	-13	0	-22	43	8	41	107	21	26	-51	54	31	47	29	-32	20	86	-30	
System Total		13048	12705	12556	12494	12051	11886	11651	11536	11548	11374	11321	11203	11466	11642	11656	11704	12040	13108	13794	14353	14684	15059	15294	15567	15401	15140	15079	15227	15524	15701	15730	15717	15814	15713	15372	14807	14304	14010	14003	14813	14977	14943	14830	14721	14348	14050	13864	13817	
SRev ST-Coal		93	36	73	59	74	56	52	116	114	120	161	146	157	21	56	73	82	65	70	67	72	65	56	61	60	76	69	79	70	61	62	65	64	89	75	135	166	133	76	81	72	74	81	87	64	55	50	58	
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	
SRev ST-Oil		46	75	69	37	37	37	37	37	37	37	37	37	37	38	38	37	37	0	0	0	0	0	0	0	0	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 COGT-Gas		683	936	922	977	1251	1472	1675	1655	1658	1761	1785	1783	1685	1730	1731	1668	1649	1547	1188	1036	944	686	432	280	393	537	573	493	334	365	287	223	163	190	362	496	494	629	738	143	126	208	157	218	381	429	394	345	
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	
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	
Syncon		389	238	389	389	389	389	389	389	389	389	389	389	390	390	390	390	390	390	390	390	390	390	390	390	390	390	390	390	390	390	390	390	390	390	390	390	390	390	390	390	390	390	390	390	390	390	390	390	390
Hydro		120	248	127	86	140	134	313	54	44	95	111	110	93	118	119	128	106	159	175	278	195	149	123	107	199	131	118	280	144	162	165	144	132	264	122	81	124	112	62	83	86	193	185	91	110	150	170	218	
S.Reserve Total		1436	1638	1685	1653	1996	2193	2420	2356	2347	2512	2593	2575	2473	2407	2443	2406	2524	2458	2117	1906	1860	1442	1152	990	1128	1370	1387	1328	1185	1076	999	917	992	1051	1298	1464	1556	1646	1648	1079	959	992	1088	979	1178	1253	1228	1233	