

**Availability At Daily Maximum Demand Hour**

ST-Coal	2,000	MW
ST-Gas	0	MW
ST-Oil	0	MW
Gas	4,485	MW
Hydro	1,757	MW
Distillate	0	MW
<b>Total TNB</b>	<b>8,242</b>	<b>MW</b>
<b>Total IPP</b>	<b>11,129</b>	<b>MW</b>
<b>Total Co-Gen</b>	<b>40</b>	<b>MW</b>
<b>System Total</b>	<b>19,411</b>	<b>MW</b>

**Set On Bus, TNB, IPP And MD**

At Daily Maximum Demand Hour : 16:30	
TNB Generation	6,920 MW
IPP Generation	9,868 MW
Total Set On Bus	17,770 MW
Maximum Demand	16,867 MW
Spinning Reserve	942 MW
Net Energy	353,634 MWH
Load Factor	87.4 %
Total Cost	59,222,497 RM
Cost per Unit	17.50 cents/kWH

**Maximum Demand Record**

Date :	11/06/2014	16,901.0 MW
Date :	18/06/2014	353,634.0 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	14443	13703	13203	12710	12364	12221	12273	12237	12770	14585	15460	16155	16085	15868	16452	16732	16850	16489	15196	14759	15899	16014	15729	15351

**Gas Usage**

Station	(mmscfd)
CBPS	61
GLGR	60
PAKA	189
PGPS	41
SRDG	38
TJGS	217
<b>TNB Total</b>	<b>605</b>
KLPP	99
MPSS	58
PDPS	11
PGLA	110
PKLG	24
PLPS	91
PTEK	9
SGRI	189
SKSP	37
YPGS	66
YPKA	95
<b>IPP Total</b>	<b>788</b>
<b>Total Gas</b>	<b>1,393</b>
Total Gas Required :	1,429
Gas Calorific Value :	38.500

**Alternate Fuel Usage**

Station	(mmscfd)
PKLG	36
<b>Total</b>	<b>36</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	48,156.00	13.62 %
Gas	76,838.00	21.73 %
Hydro	15,638.00	4.42 %
<b>Total TNB</b>	<b>140,632.0</b>	<b>39.77 %</b>
ST-Coal	107,372.0	30.36 %
ST-Gas	1,823.0	0.52 %
ST-Oil	3,496.0	0.99 %
Gas	99,712.0	28.20 %
<b>Total IPP</b>	<b>212,403.0</b>	<b>60.06 %</b>
Co-Gen	865.0	0.24 %
<b>Total Co-Gen</b>	<b>865.0</b>	<b>0.24 %</b>
<b>Total Generation</b>	<b>353,900.0</b>	<b>100.08 %</b>
PLTG	-826.0	-0.23 %
HVDC	1,092.0	0.31 %
<b>Interconnection</b>	<b>266.0</b>	<b>0.08 %</b>
<b>Net Energy</b>	<b>353,634.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	385
Hydro	212
Syncon	413
Thermal	78
<b>Total</b>	<b>1088</b>

	Weather	Temperature
Morning	Sunny	27
Afternoon	Hot	33





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																									
PGAU	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	81	81	81	77	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	111	111	118	111	111	111	111	111	114										
PGAU	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	80	81	81	77	81	82	82	114	113	115	112	83	-1	-1	-1	-1	-1	-1	-1	-1	-1	118	109	109	109	110	-1						
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	49	50	49	50	50	49	30	30	30	50	50	50	49	50	49	0	0	0	0	50	49	50	50	49	50	30	0						
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	49	50	30	30	30	50	50	50	50	50	50	0	0	0	0	50	50	49	50	49	50	30	0						
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	16	25	25	25	0	0	16	16	25	25	25	25	16	0	0	0	0	0	0	0	16	16	0	0	0	0	0					
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	16	25	25	25	0	0	16	16	25	25	25	25	16	0	0	0	0	0	0	0	16	16	0	0	0	0	0					
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	16	25	25	25	0	0	16	16	25	25	25	25	16	0	0	0	0	0	0	0	16	16	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	-1	-1	-1	-1							
TMGR	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	16	25	25	25	0	0	16	16	25	25	25	25	16	0	0	0	0	0	0	0	16	16	0	0	0	0	0					
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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1							
TMGR	HY04	35	31	34	38	33	32	33	32	29	34	29	33	37	43	32	34	29	40	33	33	79	80	79	78	77	0	0	37	34	41	78	78	78	0	0	0	0	79	78	78	78	78	79	33	0				
UPIA	HY01	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					
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	2	2	2	2	2	2					
Total Hydro		201	202	170	219	171	166	169	187	161	198	445	500	504	515	470	387	483	339	472	502	633	700	892	891	851	763	773	826	832	999	1021	1043	1207	1185	1049	474	444	455	444	597	1154	1149	1183	1144	1124	1136	1000	774	
PCUF	CUFK	37	39	40	40	37	38	39	38	38	38	37	37	37	37	38	38	39	37	36	37	37	36	36	35	32	31	32	32	32	34	36	38	40	40	34	34	35	35	35	33	33	36	33	33	33	35	37	36	
Total Co-Gen		37	39	40	40	37	38	39	38	38	38	37	37	37	37	38	38	39	37	36	37	37	36	36	35	32	31	32	32	32	34	36	38	40	40	34	34	35	35	35	33	33	36	33	33	33	35	37	36	
Total Gen		14451	13931	13649	13468	13182	12900	12701	12523	12287	12388	12274	12190	12260	12462	12265	12120	12705	13813	14590	15081	15444	15832	16204	16330	16086	15874	15840	16036	16413	16699	16698	16752	16853	16828	16603	15840	15281	14786	14775	15569	16031	16137	16178	16073	15853	15482	15354	15039	
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		
TIE-HVDC		31	31	30	30	30	29	30	32	31	31	30	30	31	31	29	32	29	29	30	30	31	31	30	30	31	31	30	29	29	31	31	31	29	29	31	30	30	30	153	153	153	153	150	153	29	31	29		
TIE-PLTG		-23	-29	-84	-104	-51	-59	-39	-75	-108	-66	23	-66	-44	-118	-1	33	-94	13	-25	-52	-47	-82	19	-67	-30	11	-58	-61	-68	-96	-65	11	-28	-68	85	-54	55	-55	-14	-17	-21	2	11	10	-29	-13	-28	14	
Interconnection		8	2	-54	-74	-21	-30	-9	-43	-77	-35	53	-36	-13	-87	28	65	-65	42	5	-22	-16	-51	49	-37	1	42	-28	-31	-39	-67	-34	42	3	-39	114	-23	85	-25	16	136	132	155	164	160	124	16	3	43	
System Total		14443	13929	13703	13542	13203	12930	12710	12566	12364	12423	12221	12226	12273	12549	12237	12055	12770	13771	14585	15103	15460	15883	16155	16367	16085	15832	15868	16067	16452	16766	16732	16710	16850	16867	16489	15863	15196	14811	14759	15433	15899	15982	16014	15913	15729	15466	15351	14996	
SRev ST-Coal		60	28	40	50	55	46	64	58	43	66	85	65	61	62	62	62	57	54	53	69	50	59	57	60	63	58	71	69	54	87	74	65	73	51	79	68	76	69	66	52	61	63	86	61	51	61	32	64	
SRev ST-Gas		1	24	4	36	33	33	33	33	33	37	37	38	38	37	37	38	38	38	38	38	0	0	0	0	0	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		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	38	35	1	1	2	2	1	1	2	7	6	6	7	7	28	41	41	12	2	2	2	2	2	2	2	2
SRev CCGT-Gas		452	704	328	262	459	746	931	1132	1357	1270	1611	1770	1707	1515	1669	1731	1497	1326	824	406	351	188	152	169	360	461	490	268	235	215	258	229	267	253	285	369	533	895	898	341	440	428	286	375	337	474	207	263	
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		726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726		
Hydro		97	96	128	79	127	132	129	262	137	100	154	99	95	84	129	212	116	411	127	97	141	74	183	184	224	237	227	400	243	161	199	177	250	272	182	125	155	144	155	102	255	260	302	341	361	349	485	306	
S.Reserve Total		1336	1578	1226	1153	1400	1683	1883	2060	2296	2195	2512	2596	2526	2324	2522	2667	2333	2303	1667	1307	1436	1047	955	960	1201	1307	1342	1121	1094	1005	1068	1076	917	942	1086	1454	1554	1791	1801	1146	1092	1089	850	955	925	1058	898	967	