

**Availability At Daily Maximum Demand Hour**

ST-Coal	2,040 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	4,039 MW
Hydro	1,752 MW
Distillate	0 MW
<b>Total TNB</b>	<b>7,831 MW</b>
<b>Total IPP</b>	<b>10,828 MW</b>
<b>Total Co-Gen</b>	<b>38 MW</b>
<b>System Total</b>	<b>18,697 MW</b>

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

At Daily Maximum Demand Hour : 16:30

TNB Generation	6,286 MW
IPP Generation	10,135 MW
Total Set On Bus	17,504 MW
Maximum Demand	16,458 MW
Spinning Reserve	1,045 MW
Net Energy	345,911 MWH
Load Factor	87.6 %
Total Cost	62,557,839 RM
Cost per Unit	18.68 cents/kWH

**Maximum Demand Record**

Date :	11/06/2014	16,901.0 MW
Date :	11/06/2014	352,879.0 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	13943	13413	12922	12693	12411	12230	12177	12136	12454	14278	15089	15726	15850	15440	15560	16348	16323	16120	15003	14482	15579	15436	15099	14861

**Gas Usage**

Station	(mmscfd)
CBPS	67
GLGR	65
PAKA	192
SRDG	19
TJGS	220
<b>TNB Total</b>	<b>563</b>
KLPP	105
MPSS	56
PDPS	32
PGLA	94
PKLG	77
PLPS	86
PTEK	36
SGRI	191
SKSP	57
YPGS	66
YPKA	128
<b>IPP Total</b>	<b>928</b>
<b>Total Gas</b>	<b>1,491</b>
<b>Total Gas Required :</b>	<b>1,491</b>
<b>Gas Calorific Value :</b>	<b>38.500</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	47,542.00	13.74 %
Gas	73,137.00	21.14 %
Hydro	11,764.00	3.40 %
<b>Total TNB</b>	<b>132,443.0</b>	<b>38.29 %</b>
ST-Coal	96,959.0	28.03 %
ST-Gas	5,768.0	1.67 %
Gas	110,452.0	31.93 %
<b>Total IPP</b>	<b>213,179.0</b>	<b>61.63 %</b>
Co-Gen	960.0	0.28 %
<b>Total Co-Gen</b>	<b>960.0</b>	<b>0.28 %</b>
<b>Total Generation</b>	<b>346,582.0</b>	<b>100.19 %</b>
PLTG	827.0	0.24 %
HVDC	-156.0	-0.05 %
<b>Interconnection</b>	<b>671.0</b>	<b>0.19 %</b>
<b>Net Energy</b>	<b>345,911.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	377
Hydro	210
Syncon	446
Thermal	80
<b>Total</b>	<b>1113</b>

**Weather Temperature**

	Weather	Temperature
Morning	Sunny	29
Afternoon	Hot	37





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	HY01	20	-1	-1	20	-1	-1	79	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	109	117	111	111	110	-1	25	111	32																						
PGAU	HY02	-1	-1	-1	-1	-1	-1	81	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	91	84	84	-1	-1	-1	-1	21																							
PGAU	HY03	-1	109	20	20	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	120	113	111	112	112	-1	112	-1																							
PGAU	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																							
SIHY	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																							
SIHY	HY03	0	0	0	0	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	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																							
SYPS	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																							
TMGR	HY01	23	27	31	31	28	29	29	27	33	31	32	32	30	31	31	32	27	32	35	36	34	35	35	35	32	32	32	34	33	33	34	35	35	82	29	31	30	34	27	70	72	72	68	69	69	37	33	38			
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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1			
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	-1	-1	-1	-1	-1	-1	-1	-1	
TMGR	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	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	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	2	2	2	2	2	2	
Total Hydro		185	284	203	225	175	177	339	368	486	439	461	449	436	466	442	207	172	201	253	253	229	332	401	568	392	349	309	296	294	499	497	592	568	733	360	262	184	206	318	1170	1441	1431	1355	1290	1010	766	932	582			
PCUF	CUFG	5	5	5	5	6	6	7	7	7	7	6	7	6	6	6	6	5	5	2	2	2	2	2	2	2	3	1	2	3	3	3	4	3	3	4	4	3	4	4	4	5	5	5	4	7	8	8	8			
PCUF	CUFK	35	36	34	35	35	37	36	34	36	37	35	35	34	34	34	35	34	36	35	35	36	36	37	36	35	35	36	36	34	35	37	34	34	35	36	36	35	34	35	34	37	35	35	35	34	35	35	37	37	37	37
Total Co-Gen		40	41	39	40	41	43	43	41	43	44	41	42	40	40	42	40	42	41	40	41	38	39	38	37	37	39	37	36	38	40	37	38	38	39	40	39	37	39	38	42	40	40	39	41	43	43	45				
Total Gen		14110	13718	13442	13228	12907	12826	12631	12549	12396	12289	12232	12180	12214	12258	12140	12022	12510	13334	14253	14641	15069	15406	15721	15929	15820	15570	15420	15345	15560	16032	16279	16397	16350	16489	16040	15890	14997	14501	14599	15484	15893	15804	15678	15640	15305	14968	14905	14615			
TIE-BGAT		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	-27	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	
TIE-PLTG		196	81	56	66	14	-21	-33	79	14	59	31	28	66	1	33	32	85	-73	5	-7	10	33	24	7	-1	0	10	0	38	-16	-40	13	57	51	-51	66	23	81	147	35	161	41	92	66	53	20	73	-31			
Interconnection		167	52	29	36	-15	-50	-62	50	-15	30	2	-1	37	-28	4	3	56	-102	-25	-37	-20	3	-5	-22	-30	-28	-20	-30	9	-45	-69	-16	27	1	-80	37	-6	52	117	186	314	193	242	219	206	-8	44	-60			
System Total		13943	13666	13413	13192	12922	12876	12693	12499	12411	12259	12230	12181	12177	12286	12136	12019	12454	13436	14278	14678	15089	15403	15726	15951	15850	15598	15440	15375	15560	16077	16348	16413	16323	16458	16120	15853	15003	14449	14482	15298	15579	15611	15436	15421	15099	14976	14861	14675			
SRev ST-Coal		120	41	79	117	103	128	78	80	80	64	80	63	75	67	43	63	100	57	68	58	71	70	59	74	87	58	75	64	69	84	57	84	75	82	62	48	57	79	62	102	46	117	62	50	68	50	157	64			
SRev ST-Gas		3	69	66	64	62	69	38	38	39	38	39	39	38	38	39	39	38	42	30	10	4	2	3	4	5	5	5	5	4	4	5	5	3	3	3	3	3	3	11	30	29	28	28	2	39	-2	-3	-2	-2		
SRev CCGT-Gas		229	332	392	501	558	706	692	799	1071	1149	1208	1266	1205	1200	1317	1222	1031	646	416	105	171	121	115	144	145	213	254	388	259	255	244	218	254	269	258	273	299	564	469	441	426	440	413	401	391	441	446	283			
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	
SRev Co-Gen		0	-5	-5	-5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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		580	580	580	429	731	731	429	625	625	625	625	625	625	625	580	731	731	731	731	731	731	731	731	731	580	474	625	731	731	731	580	474	474	474	474	323	625	580	731	731	625	302	0	0	0	151	302	388	237	429	
Hydro		269	170	251	380	128	126	266	146	133	180	158	170	183	153	177	247	131	102	100	100	134	131	203	292	168	105	144	157	310	211	213	118	142	233	199	192	120	98	151	255	288	298	374	288	182	264	249	332			
S.Reserve Total		1201	1187	1363	1486	1582	1760	1503	1688	1948	2056	2110	2163	2126	2083	2201	2151	2031	1578	1345	1111	1217	1210	1104	1165	1124	1374	1524	1599	1373	1259	1122	1001	1048	1045	1360	1290	1545	1507	1469	1216	812	899	955	978	968	1175	1087	1106			