

**Availability At Daily Maximum Demand Hour**

ST-Coal	1,380	MW
ST-Gas	0	MW
ST-Oil	0	MW
Gas	4,116	MW
Hydro	1,745	MW
Distillate	0	MW
<b>Total TNB</b>	<b>7,241</b>	<b>MW</b>
<b>Total IPP</b>	<b>10,244</b>	<b>MW</b>
<b>Total Co-Gen</b>	<b>35</b>	<b>MW</b>
<b>System Total</b>	<b>17,950</b>	<b>MW</b>

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

At Daily Maximum Demand Hour : 15:30	
TNB Generation	5,606 MW
IPP Generation	9,710 MW
Total Set On Bus	16,440 MW
Maximum Demand	15,509 MW
Spinning Reserve	1,089 MW
Net Energy	320,469 MWH
Load Factor	86.1 %
Total Cost	53,899,724 RM
Cost per Unit	17.28 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	12570	11715	11421	11165	10791	10687	10775	10743	11570	13490	14465	15236	15274	14753	14866	15456	15348	14938	14063	13811	14732	14565	14152	13552

**Gas Usage**

Station	(mmscfd)
CBPS	95
GLGR	65
PAKA	104
PGPS	45
SRDG	49
TJGS	218
<b>TNB Total</b>	<b>576</b>
KLPP	107
MPSS	50
PDPS	37
PGLA	114
PLPS	63
PTEK	44
SGB3	67
SGRI	97
SKSP	55
YPGS	54
YPKA	83
<b>IPP Total</b>	<b>772</b>
<b>Total Gas</b>	<b>1,348</b>
Total Gas Required :	1,348
Gas Calorific Value :	38.500

**Generation Mix**

Type	MWh	Percentage
ST-Coal	33,126.00	10.34 %
Gas	72,796.00	22.72 %
Hydro	7,994.00	2.49 %
<b>Total TNB</b>	<b>113,916.0</b>	<b>35.55 %</b>
ST-Coal	107,495.0	33.54 %
Gas	97,669.0	30.48 %
<b>Total IPP</b>	<b>205,164.0</b>	<b>64.02 %</b>
Co-Gen	912.0	0.28 %
<b>Total Co-Gen</b>	<b>912.0</b>	<b>0.28 %</b>
<b>Total Generation</b>	<b>319,992.0</b>	<b>99.85 %</b>
PLTG	221.0	0.07 %
HVDC	-698.0	-0.22 %
<b>Interconnection</b>	<b>-477.0</b>	<b>-0.15 %</b>
<b>Net Energy</b>	<b>320,469.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	445
Hydro	172
Syncon	469
Thermal	41
<b>Total</b>	<b>1126</b>

	Weather	Temperature
Morning	Sunny	25
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		
YPKA	BLK1	149	156	156	154	154	154	153	153	153	154	154	159	208	253	280	283	283	280	280	279	279	279	279	279	279	279
YPKA	BLK2	160	167	167	163	163	163	162	162	162	163	163	167	213	258	281	285	285	285	283	281	281	281	281	281	281	281
PLPS	GT11	54	53	57	148	113	112	113	112	112	112	112	106	108	52	53	52	0	0	0	0	0	0	0	0	0	0
PLPS	GT12	0	0	0	0	0	0	0	0	0	0	0	0	0	60	60	61	59	0	0	0	0	0	0	0	0	
PLPS	GT13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PLPS	ST18	0	0	32	60	55	54	54	54	53	55	54	55	54	57	56	54	0	0	0	0	0	0	0	0	0	
SKSP	BLK1	337	302	309	327	311	229	214	214	213	209	242	258	262	342	294	300	341	339	306	336	327	348	341	337	336	330
TJGS	GT1A	226	226	226	226	226	195	198	198	163	163	166	198	198	196	217	224	224	224	224	224	224	224	224	224	224	224
TJGS	GT1B	216	216	216	216	216	185	185	185	149	149	153	185	185	184	209	216	216	212	212	212	212	212	212	212	212	212
TJGS	ST1C	256	256	256	256	256	226	226	226	195	195	195	222	222	225	237	255	255	255	255	255	255	255	255	255	255	255
TJGS	GT2A	228	229	227	229	227	229	230	188	186	186	184	185	188	204	203	165	231	227	227	225	225	225	225	225	225	225
TJGS	GT2B	223	223	223	223	224	223	223	184	183	184	180	180	186	200	199	160	224	222	222	219	222	219	219	219	219	219
TJGS	ST2C	267	264	266	266	266	266	238	238	238	238	235	235	248	248	226	258	265	265	265	265	265	265	265	265	265	265
Total OCGT-Gas		6284	5935	5669	5668	5319	5070	5007	4725	4678	4690	4495	4556	4628	4919	4824	4950	5446	6458	6782	6740	6808	6878	6960	6938	6996	7016
CBPS	GT03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CBPS	GT04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CBPS	GT05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CBPS	GT06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PDPS	GT01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PDPS	GT02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PDPS	GT03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PDPS	GT04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PTEK	GT1A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PTEK	GT1B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PTEK	GT2A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PTEK	GT2B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRDG	GT02	29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRDG	GT03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRDG	GT05	0	0	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 OCGT-Gas		29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BSIA	HY02	12	12	12	12	12	11	11	12	12	12	13	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
CEND	HY01	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
CEND	HY03	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
KNRG	HY03	25	23	24	24	24	23	23	23	23	24	24	25	25	24	22	23	25	24	25	23	23	23	24	24	25	24
KNYR	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
KNYR	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
KNYR	HY03	103	58	60	56	58	61	61	54	53	60	100	102	105	87	49	55	102	104	59	105	81	76	100	60	58	58
LPMA	HY02	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
MNOR	HY01	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
PGAU	HY01	0	-1	-1	-1	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PGAU	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
PGAU	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
PGAU	HY04	23	0	0	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
SIHY	HY01	50	0	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	50	0	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
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
SYPS	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
SYPS	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

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	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																											
TMGR	HY02	37	32	33	31	31	33	33	29	28	33	36	38	43	36	24	29	40	43	33	86	42	82	80	82	77	31	31	38	39	38	39	36	35	33	31	32	32	34	35	35	34	33	34	34	34	35	36	34			
TMGR	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
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			
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	5	5	5	5	5	5	5	5	5	5			
Total Hydro		347	171	175	169	171	176	176	165	162	176	219	224	233	227	153	165	226	329	236	713	521	717	823	853	767	382	190	208	288	313	584	565	447	360	360	320	183	178	180	395	380	379	381	381	379	380	284	183			
PCUF	CUFG	10	9	9	9	10	9	9	10	10	9	10	11	12	11	12	12	12	10	10	10	11	9	9	9	8	8	3	1	1	2	2	1	3	6	12	12	11	12	12	13	13	15	14	13	14	14	13	13			
PCUF	CUFK	31	30	32	31	31	33	32	31	31	32	33	31	29	31	34	34	33	33	30	28	28	30	30	36	40	32	33	32	33	32	33	34	34	34	34	34	34	12	11	11	13	13	11	14	13	11	14	13	16	25	35
Total Co-Gen		41	39	41	40	41	42	41	41	41	43	42	41	42	46	46	45	43	40	38	39	39	39	45	48	40	36	33	34	34	35	35	37	40	46	46	45	24	23	24	26	28	25	27	27	30	38	48				
Total Gen		12558	12009	11749	11636	11372	11156	11076	10804	10732	10778	10618	10683	10768	11051	10848	11022	11580	12699	13572	14076	14496	14889	15142	15289	15257	14832	14733	14663	14861	15139	15370	15351	15271	15274	14959	14403	14017	13724	13825	14615	14755	14569	14525	14242	14167	13793	13550	13524			
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		
TIE-HVDC		-28	-30	-30	-28	-28	-29	-30	-29	-30	-30	-29	-30	-29	-30	-28	-28	-29	-28	-29	-29	-30	-30	-29	-29	-29	-29	-30	-30	-29	-29	-28	-28	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30			
TIE-PLTG		16	95	64	33	-21	-71	-59	-113	-30	6	-39	-17	23	-3	135	115	40	13	110	72	59	75	-65	13	13	35	9	-30	25	-13	-57	-130	-49	-20	50	-62	-17	-43	43	-6	52	-10	-11	29	43	63	27	50			
Interconnection		-12	65	34	5	-49	-100	-89	-142	-59	-24	-69	-46	-7	-32	105	85	10	-15	82	43	31	46	-94	-17	-17	6	-20	-60	-5	-42	-86	-158	-77	-49	21	-91	-46	-72	14	-35	23	-39	-40	1	15	34	-2	20			
System Total		12570	11944	11715	11631	11421	11256	11165	10946	10791	10802	10687	10729	10775	11083	10743	10937	11570	12714	13490	14033	14465	14843	15236	15306	15274	14826	14753	14723	14866	15181	15456	15509	15348	15323	14938	14494	14063	13796	13811	14650	14732	14608	14565	14241	14152	13759	13552	13504			
SRev	SI-Coal	45	38	38	113	61	34	50	29	51	31	41	41	36	39	77	41	39	33	40	55	34	38	32	37	37	35	39	33	44	36	32	45	40	40	32	46	44	33	37	21	43	39	48	54	45	48	39	38			
SRev	SI-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	CCGT-Gas	-21	328	289	315	594	843	906	1188	1235	1223	1418	1357	1283	1144	1239	1478	1043	473	419	321	313	243	161	183	195	225	216	216	257	202	211	230	214	199	220	366	590	875	764	261	195	270	164	277	211	501	362	267			
SRev	OCGT-Gas	71	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	124	168	234	321	262	124	131	185	193	354	265	145	181	194	259	317	287	305	331	324	331	276	167	283	195	251	61	146	69	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		343	494	494	494	645	494	494	494	494	494	494	494	494	343	494	409	409	409	409	107	409	409	303	388	539	625	731	731	731	731	475	475	475	495	495	495	494	494	494	494	494	494	494	494	494	494	494	494			
Hydro		206	131	127	133	130	126	126	137	140	126	83	78	69	226	149	137	76	73	166	246	321	210	210	180	115	229	215	92	112	87	127	146	159	119	119	134	247	124	122	258	122	123	121	121	123	122	118	119			
S.Reserve Total		879	1076	1033	1140	1515	1732	1811	2083	2155	2109	2271	2205	2119	1987	2194	2150	1652	1073	1243	982	1311	1221	968	912	1017	1384	1476	1510	1493	1284	1024	1089	1144	1170	1153	1346	1706	1850	1748	1159	1021	1209	1022	1197	934	1311	1082	918			