

**Availability At Daily Maximum Demand Hour**

ST-Coal	1,380 MW
ST-Gas	70 MW
ST-Oil	0 MW
Gas	3,816 MW
Hydro	1,819 MW
Distillate	0 MW
<b>Total TNB</b>	<b>7,085 MW</b>
<b>Total IPP</b>	<b>9,502 MW</b>
<b>Total Co-Gen</b>	<b>49 MW</b>
<b>System Total</b>	<b>16,636 MW</b>

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

At Daily Maximum Demand Hour : 20:30	
TNB Generation	5,659 MW
IPP Generation	7,929 MW
Total Set On Bus	14,641 MW
Maximum Demand	13,662 MW
Spinning Reserve	1,004 MW
Net Energy	288,099 MWH
Load Factor	87.9 %
Total Cost	46,496,291 RM
Cost per Unit	17.14 cents/KWwhr

**Maximum Demand Record**

Date :	13/05/2013	16,562.0MW
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	12303	11768	11288	10831	10659	10539	10582	10642	10383	11232	11861	12444	12441	12234	12612	12639	12713	12546	12360	12449	13582	13539	13043	12575

**Gas Usage**

Station	(mmscfd)
CBPS	47
GLGR	65
PAKA	174
PGPS	55
SRDG	12
TJGS	115
<b>TNB Total</b>	<b>467</b>
KLPP	120
MPSS	51
PDPS	1
PGLA	116
PKLG	60
PLPS	108
SGB3	65
SGRI	229
SKSP	51
YPGS	25
YPKA	51
<b>IPP Total</b>	<b>876</b>
<b>Total Gas</b>	<b>1,344</b>
Total Gas Required :	1,344
Gas Calorific Value :	38.500

**Generation Mix**

Type	MWh	Percentage
ST-Coal	33,086.00	11.48 %
Gas	59,145.00	20.53 %
Hydro	15,765.00	5.47 %
<b>Total TNB</b>	<b>107,996.0</b>	<b>37.49 %</b>
ST-Coal	65,526.0	22.74 %
ST-Gas	5,884.0	2.04 %
Gas	106,492.0	36.96 %
<b>Total IPP</b>	<b>177,902.0</b>	<b>61.75 %</b>
Co-Gen	1,184.0	0.41 %
<b>Total Co-Gen</b>	<b>1,184.0</b>	<b>0.41 %</b>
<b>Total Generation</b>	<b>287,082.0</b>	<b>99.65 %</b>
PLTG	-321.0	-0.11 %
HVDC	-696.0	-0.24 %
Interconnection	-1,017.0	-0.35 %
<b>Net Energy</b>	<b>288,099.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	348
Hydro	247
Syncon	249
Thermal	65
<b>Total</b>	<b>909</b>

	Weather	Temperature
Morning	Sunny	26
Afternoon	Hot	35





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	17	29	30	37	38	35	34	38	34	37	-1	-1	-1	-1	-1	45	27	33	33	33	35	32	32	33					
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	-1	-1			
TMGR	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TMGR	HY04	28	37	39	36	37	40	40	37	34	40	33	37	37	44	38	36	35	33	37	34	35	42	33	36	33	31	32	38	39	35	35	39	34	39	34	35	34	40	34	45	29	78	79	78	36	33	33	36					
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	5	5	5		
UPIA	HY02	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	5	5	5		
<b>Total Hydro</b>		514	530	539	453	333	216	237	210	198	246	211	245	228	250	243	215	209	197	240	221	200	590	888	918	850	886	721	896	901	952	922	968	1031	981	791	684	580	624	820	1275	1229	1313	1295	1278	1190	1172	965	842					
PCUF	CUFG	12	12	13	12	12	12	11	11	12	12	12	13	12	13	14	15	14	14	14	14	13	13	15	13	13	14	13	13	14	14	13	13	13	15	15	15	14	14	14	13	13	12	13	12	12	12	13						
PCUF	CUFK	35	35	37	37	38	39	38	38	38	38	39	39	40	40	40	41	40	38	39	37	36	35	36	35	33	33	33	35	34	34	36	34	35	36	34	34	34	34	36	35	35	36	35	35	34	36	35	35	35				
<b>Total Co-Gen</b>		47	47	50	49	50	51	50	49	49	50	50	51	52	52	53	55	55	52	53	51	50	48	49	50	46	46	47	48	47	48	50	47	48	49	49	49	49	50	49	49	49	48	47	47	48	47	48						
<b>Total Gen</b>		12255	11848	11679	11461	11288	10953	10781	10722	10653	10701	10543	10551	10536	10670	10582	10400	10318	10721	11197	11590	11857	12346	12443	12640	12432	12249	12196	12502	12555	12675	12622	12744	12698	12783	12514	12414	12320	12172	12463	13332	13599	13637	13515	13338	13024	12862	12546	12242					
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	0	0	0	
TIE-HVDC		-29	-28	-28	-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	-28	-28	-28	-28	-29	-29	-30	-30	-29	-29	-30	-30	-29	-29	-30	-30			
TIE-PLTG		-19	-109	-61	20	29	-90	-21	-42	23	-50	33	-40	-17	-57	-31	-28	-36	18	-6	-46	25	-15	28	-6	20	23	-9	-35	-27	-10	12	-65	14	9	-3	-6	-12	-104	42	-71	46	4	6	22	10	7	1	-19					
Interconnection		-48	-137	-89	-9	0	-119	-50	-71	-6	-79	4	-69	-46	-86	-60	-57	-65	-11	-35	-75	-4	-44	-1	-35	-9	-6	-38	-64	-57	-40	-17	-94	-15	-20	-32	-35	-40	-132	14	-99	17	-25	-24	-8	-19	-22	-29	-49					
<b>System Total</b>		12303	11985	11768	11470	11288	11072	10831	10793	10659	10780	10539	10620	10582	10756	10642	10457	10383	10732	11232	11665	11861	12390	12444	12675	12441	12255	12234	12566	12612	12715	12639	12838	12713	12803	12546	12449	12360	12304	12449	13431	13582	13662	13539	13346	13043	12884	12575	12291					
SRev ST-Coal		79	76	93	91	89	75	94	102	107	91	106	98	101	92	91	91	100	83	76	75	82	148	69	109	72	81	70	77	74	79	67	87	77	72	76	72	75	84	70	70	77	92	83	84	83	80	82	83					
SRev ST-Gas		1	1	2	2	43	38	37	37	37	37	37	37	37	37	37	37	37	40	16	6	2	2	1	1	2	2	1	1	2	2	2	2	2	1	1	1	1	1	1	1	2	2	2	2	2	2	1	1					
SRev CCGT-Gas		268	349	347	270	281	430	591	614	666	683	791	826	822	719	801	956	1025	530	415	415	227	30	235	139	316	737	637	500	455	380	416	322	439	310	386	383	470	673	736	404	345	440	445	481	435	533	330	291					
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	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	0	0	0	0
Syncon		625	474	474	474	731	731	731	731	731	731	731	731	731	731	731	731	731	731	580	731	474	474	474	474	474	388	388	388	388	388	388	388	388	388	388	388	388	388	388	388	388	388	388	388	388	388	388	388	388	388			
Hydro		287	145	136	222	85	97	76	103	115	67	102	219	85	63	70	98	104	116	73	243	113	390	242	212	315	279	445	270	265	214	244	198	286	336	137	94	148	155	260	317	472	366	384	401	327	345	351	273					
<b>S.Reserve Total</b>		1260	1045	1052	1059	1229	1371	1529	1587	1656	1609	1767	1760	1776	1642	1730	1913	1997	1500	1311	1319	1155	1044	1021	935	1179	1573	1541	1236	1184	1063	1117	997	1040	956	1311	1261	1405	1473	1563	1012	1086	1004	1015	1091	1099	1132	1087	1122					