

Availability At Daily Maximum Demand Hour

ST-Coal	1,930	MW
ST-Gas	0	MW
ST-Oil	0	MW
Gas	4,098	MW
Hydro	1,682	MW
Distillate	0	MW
Total TNB	7,710	MW
Total IPP	8,964	MW
Total Co-Gen	58	MW
System Total	17,012	MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 21:00	
TNB Generation	5,611 MW
IPP Generation	7,612 MW
Total Set On Bus	14,142 MW
Maximum Demand	13,351 MW
Spinning Reserve	861 MW
Net Energy	278,297 MWH
Load Factor	86.9 %
Total Cost	41,681,407 RM
Cost per Unit	15.39 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	12190	11578	11217	10845	10610	10413	10467	10283	9906	10465	11104	11825	11907	11779	11911	12118	12089	11966	11636	11825	13187	13351	13198	12705

Gas Usage

Station	(mmscfd)
CBPS	52
GLGR	65
PAKA	185
PGPS	26
SRDG	4
TJGS	189
TNB Total	520
KLPP	79
MPSS	1
PGLA	112
PLPS	104
SGB3	37
SGRI	134
SKSP	55
YPGS	52
YPKA	81
IPP Total	655
Total Gas	1,175
Total Gas Required :	1,175
Gas Calorific Value :	38.500

Generation Mix

Type	MWh	Percentage
ST-Coal	37,842.00	13.60 %
Gas	66,705.00	23.97 %
Hydro	8,475.00	3.05 %
Total TNB	113,022.0	40.61 %
ST-Coal	77,920.0	28.00 %
Gas	86,929.0	31.24 %
Total IPP	164,849.0	59.23 %
Co-Gen	1,396.0	0.50 %
Total Co-Gen	1,396.0	0.50 %
Total Generation	279,267.0	100.35 %
PLTG	-171.0	-0.06 %
HVDC	1,141.0	0.41 %
Interconnection	970.0	0.35 %
Net Energy	278,297.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	359
Hydro	218
Syncon	350
Thermal	92
Total	1018

	Weather	Temperature
Morning	Sunny	26
Afternoon	Cloudy	31

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																											
TIE-HVDC	-29	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-29	-30	-30	-29	31	153	153	151	151	151	151	151	152	153	151	150	153	152	150	152	152	152	152	152	152	152	-29	-29	-29	-29	-30	-29	-28	-28	-28	-28				
TIE-PLTG	-87	28	34	-6	-55	25	13	-17	-19	21	12	50	-3	17	43	45	11	9	-19	38	10	12	-87	-12	-45	-49	-20	-21	93	8	-48	-19	-31	33	-67	-21	12	5	-38	-4	-32	-44	-40	-23	-18	-26	-17	6			
Interconnection	-116	-1	5	-35	-84	-4	-17	-47	-48	-8	-17	21	-32	-12	13	15	-18	40	134	191	161	163	64	139	107	104	131	129	246	161	104	131	121	185	85	131	164	157	-67	-33	-61	-73	-70	-52	-46	-54	-45	-22			
System Total	12190	11834	11578	11339	11217	11007	10845	10689	10610	10466	10413	10295	10467	10447	10283	9761	9906	10126	10465	10823	11104	11499	11825	11861	11907	11856	11779	11835	11911	12001	12118	12160	12089	12017	11966	11683	11636	11598	11825	12785	13187	13311	13351	13257	13198	12906	12705	12582			
SRev ST-Coal	105	107	108	107	60	25	2	-1	93	86	77	92	93	93	92	96	90	92	89	87	91	92	77	88	86	98	95	128	119	110	154	91	-17	41	-13	149	134	118	47	87	94	96	72	85	90	88	87	54			
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	0	0	0
SRev CCGT-Gas	392	606	395	508	381	263	299	454	515	618	723	769	684	647	726	1231	1198	902	523	600	537	287	299	322	311	349	344	391	350	493	393	372	489	591	721	920	946	995	1108	403	398	326	336	257	255	305	325	446			
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
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
Syncon	430	430	430	430	581	581	430	581	581	581	581	581	581	581	581	581	581	581	581	581	581	581	581	581	581	581	581	581	581	581	581	581	581	581	581	581	581	581	581	581	581	581	581	581	581	581	581	581	581	581	
Hydro	254	60	252	245	103	26	241	122	121	129	64	82	64	100	126	141	70	82	86	141	74	80	109	118	120	122	181	420	202	94	83	170	134	141	115	126	131	138	127	105	204	186	266	67	115	92	112	124			
S.Reserve Total	1181	1203	1185	1290	1125	895	972	1156	1310	1414	1445	1524	1422	1421	1525	2049	1939	1656	1279	1409	1280	932	957	914	902	954	855	1173	1058	1234	1105	1210	1182	1349	1399	1775	1791	1831	1862	1024	897	933	861	989	1043	1115	1104	1204			