

Availability At Daily Maximum Demand Hour

ST-Coal	1,380 MW
ST-Gas	70 MW
ST-Oil	0 MW
Gas	3,950 MW
Hydro	1,798 MW
Distillate	0 MW
Total TNB	7,198 MW
Total IPP	9,794 MW
Total Co-Gen	82 MW
System Total	17,074 MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 20:30

TNB Generation	4,614 MW
IPP Generation	8,046 MW
Total Set On Bus	13,719 MW
Maximum Demand	12,865 MW
Spinning Reserve	977 MW
Net Energy	271,566 MWH
Load Factor	88.0 %
Total Cost	44,135,250 RM
Cost per Unit	16.90 cents/kWH

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	11949	11402	11022	10755	10401	10273	10406	10207	9922	10192	10811	11447	11587	11497	11802	11605	11591	11535	11227	11557	12846	12863	12497	12172

Gas Usage

Station	(mmscfd)
CBPS	48
GLGR	65
PAKA	127
PGPS	55
SRDG	7
TJGS	115
TNB Total	417
KLPP	82
MPSS	61
PDPS	2
PGLA	113
PKLG	57
PLPS	109
SGB3	80
SGRI	214
SKSP	53
YPGS	51
YPKA	55
IPP Total	876
Total Gas	1,293

Total Gas Required : 1,293
Gas Calorific Value : 38,500

Generation Mix

Type	MWh	Percentage
ST-Coal	32,901.00	12.12 %
Gas	53,039.00	19.53 %
Hydro	10,851.00	4.00 %
Total TNB	96,791.0	35.64 %
ST-Coal	59,446.0	21.89 %
ST-Gas	5,530.0	2.04 %
Gas	107,032.0	39.41 %
Total IPP	172,008.0	63.34 %
Co-Gen	1,749.0	0.64 %
Total Co-Gen	1,749.0	0.64 %
Total Generation	270,548.0	99.63 %
PLTG	-323.0	-0.12 %
HVDC	-695.0	-0.26 %
Interconnection	-1,018.0	-0.37 %
Net Energy	271,566.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	229
Hydro	132
Syncon	478
Thermal	10
Total	848

Weather Temperature

	Weather	Temperature
Morning	Sunny	28
Afternoon	Hot	30

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																											
Total Hydro		620	405	410	546	433	431	316	279	298	276	273	277	279	279	276	274	276	288	327	382	469	474	479	435	390	355	353	409	405	526	538	600	664	649	507	514	458	402	399	748	811	722	734	721	622	515	520	233			
PCUF	CURG	42	42	41	41	43	41	42	42	41	42	40	43	43	43	32	23	24	23	21	21	22	21	22	22	21	22	22	23	21	20	22	23	23	23	43	42	43	43	43	43	43	44	43	43	44	43	43	44	43	43	45
PCUF	CUFK	37	40	40	42	40	39	40	39	39	40	40	39	41	38	40	40	40	39	39	38	37	36	37	36	38	37	36	37	38	37	37	40	39	38	38	39	39	38	40	39	38	38	38	38	38	38	39	38	40	41	
Total Co-Gen		79	82	81	83	83	80	82	81	80	82	80	82	84	81	72	63	64	62	60	59	59	59	59	58	59	59	58	60	59	57	59	60	63	62	81	81	82	81	83	82	81	82	81	81	81	83	81	83	86		
Total Gen		11930	11659	11331	11137	11015	10842	10675	10541	10345	10371	10190	10166	10274	10261	10133	9765	9888	10038	10224	10590	10774	11248	11443	11664	11559	11551	11536	11658	11686	11638	11589	11654	11568	11516	11500	11244	11210	11336	11474	12281	12725	12742	12788	12671	12461	12276	12118	11740			
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
TIE-HVDC		-28	-28	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-29	-30	-30	-28	-29	-29	-28	-28	-28	-28	-28	-28	-30	-28	-29	-29				
TIE-PLTG		9	28	-42	-72	22	-7	-51	-98	-26	-34	-54	25	-103	11	-45	-1	-4	27	61	57	-8	-16	25	29	1	0	68	-17	-86	8	13	53	6	16	-5	-30	12	-16	-55	-97	-93	-95	-47	-13	-6	28	-25	1			
Interconnection		-19	0	-71	-101	-7	-36	-80	-127	-56	-64	-83	-4	-132	-18	-74	-30	-34	-3	32	28	-37	-45	-4	0	-28	-29	39	-46	-116	-22	-16	24	-23	-14	-35	-58	-17	-45	-83	-125	-121	-123	-75	-41	-36	0	-54	-28			
System Total		11949	11659	11402	11238	11022	10878	10755	10668	10401	10435	10273	10170	10406	10279	10207	9795	9922	10041	10192	10562	10811	11293	11447	11664	11587	11580	11497	11704	11802	11660	11605	11630	11591	11550	11535	11302	11227	11381	11557	12406	12846	12865	12863	12712	12497	12276	12172	11768			
SRev ST-Coal		3	12	2	-18	2	38	32	45	1	5	-5	4	2	4	-4	8	3	12	0	7	4	-10	43	6	0	3	-4	7	-9	4	-6	4	-12	1	-21	-14	-10	57	-6	26	0	3	9	-17	4	-26	7	39			
SRev ST-Gas		3	3	3	3	3	3	9	42	38	37	38	38	37	37	38	40	20	12	8	4	2	2	2	2	3	4	2	2	2	3	3	3	3	3	3	3	2	2	3	12	41	38	35	31	0	0					
SRev CCGT-Gas		450	400	292	504	493	625	685	692	886	780	804	824	722	730	854	1199	1084	814	887	706	616	305	214	225	292	262	280	204	189	363	446	434	602	775	740	1006	1021	871	796	355	218	240	134	204	131	160	177	289			
SRev OCGT-Gas		108	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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		626	732	732	430	581	581	732	732	581	732	732	732	732	732	732	732	732	581	732	626	626	626	626	626	626	626	626	625	474	625	625	625	625	625	625	625	625	625	625	625	625	474	474	625	625	625	625	625	731		
Hydro		234	88	83	249	211	213	72	109	241	112	115	111	109	109	112	114	112	251	195	246	153	112	111	154	199	232	235	325	179	172	312	139	95	110	102	95	151	207	210	212	148	86	74	87	86	93	88	164			
S.Reserve Total		1424	1235	1112	1168	1290	1460	1524	1587	1751	1667	1683	1709	1603	1613	1731	2090	1969	1698	1834	1597	1407	1037	996	1013	1119	1125	1139	1014	986	1166	1228	1204	1313	1514	1449	1715	1790	1763	1627	1069	863	977	893	959	962	968	897	1223			