

Availability At Daily Maximum Demand Hour

ST-Coal	1,530 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,851 MW
Hydro	1,745 MW
Distillate	0 MW
Total TNB	7,126 MW
Total IPP	9,724 MW
Total Co-Gen	47 MW
System Total	17,037 MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 21:00	
TNB Generation	4,989 MW
IPP Generation	8,537 MW
Total Set On Bus	14,586 MW
Maximum Demand	13,522 MW
Spinning Reserve	1,013 MW
Net Energy	290,894 MWH
Load Factor	89.6 %
Total Cost	43,243,877 RM
Cost per Unit	15.14 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	13113	12349	12071	11593	11287	11013	11087	10626	10276	10968	11672	12204	12405	12442	12607	12655	12404	12229	11834	12207	13490	13522	13358	13134

Gas Usage

Station	(mmscfd)
CBPS	47
GLGR	32
PAKA	102
PGPS	42
SRDG	9
TJGS	221
TNB Total	452
KLPP	97
MPSS	51
PDPS	7
PGLA	115
PLPS	98
PTEK	7
SGB3	83
SGRI	81
SKSP	54
YPGS	51
YPKA	79
IPP Total	724
Total Gas	1,176

Total Gas Required : 1,176
Gas Calorific Value : 38.500

Generation Mix

Type	MWh	Percentage
ST-Coal	42,687.00	14.67 %
Gas	60,052.00	20.64 %
Hydro	6,105.00	2.10 %
Total TNB	108,844.0	37.42 %
ST-Coal	87,136.0	29.95 %
Gas	94,627.0	32.53 %
Total IPP	181,763.0	62.48 %
Co-Gen	1,042.0	0.36 %
Total Co-Gen	1,042.0	0.36 %
Total Generation	291,649.0	100.26 %
PLTG	28.0	0.01 %
HVDC	727.0	0.25 %
Interconnection	755.0	0.26 %
Net Energy	290,894.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	295
Hydro	222
Syncon	386
Thermal	76
Total	979

Weather Temperature

Weather	Temperature
Morning	Sunny 24
Afternoon	Hot 34

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	272	222	222	223	223	223	223	223	223	223	223	223	223	223	223	223	223	223	223	223	223	223	223	223
YPKA	BLK2	276	236	236	227	227	229	229	229	229	228	228	231	231	233	233	232	232	232	232	232	232	232	232	232
PLPS	GT11	149	150	151	150	150	151	150	114	113	65	66	66	66	65	64	64	65	114	112	147	145	146	145	143
PLPS	GT12	146	114	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	129	142	139	140	139	140	138
PLPS	GT13	146	147	148	146	147	148	147	110	109	64	64	64	64	65	64	63	63	65	109	110	144	143	141	142
PLPS	ST18	217	217	149	148	148	147	147	132	133	92	91	92	92	91	91	91	96	96	124	195	218	217	216	216
KSPS	BLK1	239	240	213	344	320	246	228	296	262	281	250	258	233	250	215	222	233	338	280	326	342	277	337	336
TJGS	GT1A	223	223	223	223	223	227	227	227	227	227	227	193	161	161	161	217	220	223	223	223	223	223	223	223
TJGS	GT1B	214	214	214	214	214	217	217	214	214	214	214	180	150	150	150	209	212	213	213	213	213	213	213	212
TJGS	ST1C	253	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255
TJGS	GT2A	227	227	227	227	227	229	228	227	227	227	227	229	229	229	185	144	144	144	224	224	222	226	226	226
TJGS	GT2B	223	223	223	224	224	224	221	221	224	224	224	181	140	140	139	201	222	221	221	219	219	219	219	219
TJGS	ST2C	264	264	264	264	264	264	264	266	266	266	266	266	266	266	266	266	266	266	266	266	266	266	266	266
Total CCGT-Gas		6979	6722	6395	6360	6228	5933	5745	5589	5417	5333	5261	5286	5217	5184	4798	4537	4708	4955	5124	5452	5777	6004	6384	6496
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
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
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
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
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
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
SRDG	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
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
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
Total CCGT-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
BSIA	HY01	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
CEND	HY02	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
KNRG	HY01	22	23	19	23	21	22	22	22	22	22	21	22	21	22	22	23	21	21	23	22	24	24	22	23
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
KNYR	HY03	59	62	55	66	57	59	59	62	60	60	59	60	57	59	60	58	57	61	58	58	63	61	63	67
LPIA	HY01	16	8	7	10	9	9	9	10	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
LPIA	HY02	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
MNOR	HY01	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	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
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
PGAU	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
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
SIHY	HY03	50	27	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
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
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
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
TMGR	HY01	-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	HY02	36	38	31	41	34	35	35	38	36	35	35	37	33	35	35	35	34	38	34	34	39	37	39	43
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
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
Total Hydro		271	196	150	261	179	164	163	172	165	164	163	166	158	163	163	162	158	192	162	162	175	169	178	318
PCUF	CUFG	24	25	25	25	25	25	24	24	24	25	25	24	25	24	24	24	24	23	23	25	26	25	23	24
PCUF	CUFG	30	29	30	30	29	30	30	31	31	2	3	3	2	1	2	2	2	1	0	5	22	23	22	23

Daily MW Generation On Sunday

27-Apr-2014

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 Co-Gen	54	54	55	55	54	55	55	55	26	27	28	27	25	27	26	26	26	24	24	28	45	48	48	48	46	45	46	45	45	49	45	47	46	46	47	47	47	46	46	47	49	47	51	50	50	52	50				
Total Gen	13137	12806	12397	12378	12146	11838	11656	11521	11331	11215	11138	11172	11086	11070	10680	10326	10338	10698	11008	11326	11677	11909	12296	12547	12505	12421	12507	12613	12893	12660	12643	12523	12489	12428	12207	12029	11924	11916	12247	13137	13518	13525	13573	13523	13402	13302	13125	12775			
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			
TIE-HVDC	30	30	30	30	31	31	30	30	30	30	31	31	30	30	30	29	29	30	30	30	30	30	30	30	30	31	31	30	30	30	30	31	31	31	31	31	31	31	31	30	30	31	31	30	30	31	31	30	30		
TIE-PLTG	-6	-70	18	4	44	-24	33	-13	14	14	94	-2	-31	-2	24	-24	33	-36	10	-16	-25	-28	62	1	70	-11	34	1	-44	-8	-42	45	24	25	-53	-44	59	-7	10	-63	-3	-23	21	9	13	-37	-39	45			
Interconnection	24	-40	48	34	75	7	63	17	44	44	125	29	-1	28	54	6	62	-7	40	14	5	2	92	31	100	19	65	32	-14	22	-12	75	55	56	-22	-13	90	24	40	-33	28	8	51	39	44	-6	-9	75			
System Total	13113	12846	12349	12344	12071	11831	11593	11504	11287	11171	11013	11143	11087	11042	10626	10320	10276	10705	10968	11312	11672	11907	12204	12516	12405	12402	12442	12581	12607	12638	12655	12448	12404	12372	12229	12042	11834	11892	12207	13170	13490	13517	13522	13484	13358	13308	13134	12700			
SRev ST-Coal	62	61	98	80	97	96	79	67	78	80	85	80	88	74	80	171	326	247	74	84	75	81	86	87	85	94	107	87	81	88	63	75	81	86	79	75	90	84	122	95	78	68	-13	42	105	101	80	83			
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	
SRev CCGI-Gas	551	498	429	174	306	531	489	545	708	792	864	839	887	920	1279	1540	1369	1122	968	640	570	483	209	247	363	584	204	378	285	187	203	184	165	188	374	541	638	684	351	134	335	172	270	239	153	194	168	347			
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	-2	-3	-3	-2	-1	-2	-2	-2	-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	
Syncon	495	495	495	344	344	495	495	495	495	495	495	495	495	495	495	495	495	344	495	495	495	495	495	495	344	344	495	87	87	238	238	389	495	495	495	495	495	495	495	495	495	495	495	495	495	495	495	495	495		
Hydro	153	178	174	214	296	160	161	152	159	160	161	158	166	161	161	162	139	256	135	135	122	128	121	182	269	130	126	187	225	235	115	132	131	133	137	153	294	161	157	80	104	134	135	138	137	137	143	142			
S.Reserve Total	1261	1232	1196	812	1043	1282	1224	1259	1440	1525	1602	1569	1634	1649	2013	2366	2327	1968	1672	1354	1262	1187	911	860	1061	1303	674	889	979	898	920	1036	1022	1052	1235	1414	1517	1424	1125	843	1108	973	1013	1037	985	989	927	1067			