

Availability At Daily Maximum Demand Hour

ST-Coal	1,400 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,713 MW
Hydro	1,847 MW
Distillate	669 MW
Total TNB	7,629 MW
Total IPP	11,369 MW
Total Co-Gen	44 MW
System Total	19,042 MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 14:30

TNB Generation	6,094 MW
IPP Generation	9,921 MW
Total Set On Bus	16,966 MW
Maximum Demand	16,013 MW
Spinning Reserve	907 MW
Net Energy	338,622 MWH
Load Factor	88.1 %
Total Cost	67,019,847 RM
Cost per Unit	20.28 cents/kWH

Maximum Demand Record

Date :	11/06/2014	16,901.0 MW
Date :	24/06/2014	355,911.0 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	13834	13235	12767	12407	12059	12111	12097	11839	12390	14153	14903	15598	15455	15121	15730	15893	15799	15221	14395	14235	14776	15005	14702	14426

Gas Usage

Station	(mmscfd)
CBPS	55
GLGR	55
PAKA	196
PGPS	12
SRDG	0
TJGS	209
TNB Total	528
KLPP	54
MPSS	31
PGLA	106
PLPS	1
SGRI	75
SKSP	32
YPGS	67
YPKA	129

IPP Total 495

Total Gas 1,023

Total Gas Required : 1,435

Gas Calorific Value : 38.500

Alternate Fuel Usage

Station	(mmscfd)
CBPS	12
KLPP	45
PDPS	17
PGPS	28
PKLG	117
PLPS	66
PTEK	19
SGRI	96
SRDG	12
Total	412

Generation Mix

Type	MWh	Percentage
ST-Coal	42,651.00	12.60 %
Gas	69,260.00	20.45 %
Hydro	9,534.00	2.82 %
Distillate	5,802.00	1.71 %
Total TNB	127,247.0	37.58 %
ST-Coal	104,650.0	30.90 %
ST-Oil	11,399.0	3.37 %
Gas	66,496.0	19.64 %
Distillate	28,779.0	8.50 %
Total IPP	211,324.0	62.41 %
Co-Gen	1,190.0	0.35 %
Total Co-Gen	1,190.0	0.35 %
Total Generation	339,761.0	100.34 %
PLTG	266.0	0.08 %
HVDC	873.0	0.26 %
Interconnection	1,139.0	0.34 %
Net Energy	338,622.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	498
Hydro	218
Syncon	379
Thermal	48
Total	1142

Weather Temperature

	Weather	Temperature
Morning	Sunny	29
Afternoon	Hot	37

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
SGRI	GT13	137	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SGRI	ST14	211	165	138	93	92	90	91	94	93	92	91	90	89	91	87	97	100	137	177	201	202	204	204	203
SGRI	GT21	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SGRI	GT22	111	111	111	111	111	104	61	61	60	60	61	61	61	61	60	60	61	138	136	136	135	135	135	135
SGRI	GT23	107	104	104	104	105	105	57	57	55	55	55	55	55	55	0	0	0	0	0	0	0	0	0	0
SGRI	ST24	166	132	132	131	132	131	89	89	91	91	88	91	89	88	90	92	93	124	177	201	204	204	204	204
YPGS	GT11	124	124	125	125	123	114	127	121	126	124	128	120	128	126	120	123	127	126	126	125	123	125	123	124
YPGS	GT12	130	130	130	130	125	117	131	124	129	130	129	126	129	130	124	127	133	132	131	131	126	130	131	129
YPGS	ST10	138	138	138	138	138	133	138	134	136	137	137	134	137	137	135	135	138	137	137	137	137	137	137	137
YPKA	BLK1	369	369	368	368	370	370	368	368	368	368	369	369	371	371	368	369	367	367	366	366	363	363	363	363
YPKA	BLK2	381	381	378	378	381	381	378	378	378	378	378	381	381	378	380	377	377	376	376	374	374	373	373	371
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
SKSP	BLK1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	72	337	344	296	298	290
TJGS	GT1A	220	220	220	223	223	223	226	226	153	156	156	156	156	156	156	218	222	222	222	222	222	222	219	219
TJGS	GT1B	223	223	226	226	226	226	226	226	155	155	155	155	155	155	155	219	226	226	226	226	223	223	223	223
TJGS	ST1C	254	254	254	254	254	254	196	193	193	193	193	193	193	193	230	256	256	256	256	256	256	256	256	256
TJGS	GT2A	225	224	224	224	227	227	183	184	144	145	145	144	144	144	144	183	225	225	225	225	223	223	223	223
TJGS	GT2B	216	219	219	218	218	221	180	180	141	138	141	140	140	140	140	181	220	220	220	220	217	217	217	217
TJGS	ST2C	264	264	264	264	264	237	237	215	217	215	215	217	217	217	215	238	265	265	265	265	265	265	265	265
Total CCGT-Gas		6718	6435	6136	5976	5745	5685	5359	5249	5013	5066	4949	4877	4952	4917	4744	4794	5055	5667	6110	6394	6571	6445	6416	6348
SRDG	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
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	12	12	11	12	11	11	12	11	11	12	11	11	12	12	12	12	11	11	12	22	21	21	22	21
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
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	25	26	25	28	23	19	26	22	24	25	25	22	26	26	22	23	25	25	24	26	20	25	25	25
KNYR	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	102	53	72	102	101	
KNYR	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
KNYR	HY04	59	61	59	64	57	51	62	55	58	60	60	55	61	61	55	54	63	61	61	103	56	61	102	103
LPIA	HY01	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
LPIA	HY02	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
MNOR	HY01	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
PGAU	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
PGAU	HY02	-1	-1	-1	29	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	153	21	22	111	112	112
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	49	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
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	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	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
TMGR	HY04	30	32	29	37	26	28	44	35	40	42	43	34	43	44	35	33	37	35	35	38	29	36	37	37
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
UPIA	HY02	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Total Hydro		265	171	164	211	157	149	184	163	173	199	179	162	182	183	163	161	177	173	196	496	233	270	432	495

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
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
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
KLPP	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
KLPP	GT15	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
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	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
PDPS	GT3A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PGPS	GT3B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PGPS	ST3C	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
SGRI	GT11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SGRI	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
SGRI	GT21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SGRI	GT23	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
PLPS	GT11	150	150	152	152	151	151	153	143	144	142	144	142	144	142	143	142	141	141	141	144	150	151	150	150
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
PLPS	ST18	61	61	63	62	63	62	61	62	62	61	58	62	62	63	61	61	62	65	77	98	99	140	140	140
Total Distillate		211	211	215	214	214	213	212	215	205	200	204	206	314	313	311	312	565	854	875	1359	1914	2025	2024	2028
PCUF	CUFG	13	14	15	14	14	12	12	13	13	12	12	14	13	14	13	14	15	15	15	14	14	13	12	12
PCUF	CUFK	38	40	39	40	39	39	39	39	39	38	40	39	40	40	39	40	40	38	37	36	35	33	32	31
Total Co-Gen		51	54	54	54	53	51	51	52	52	50	52	53	53	54	52	54	55	55	55	52	51	49	47	45
Total Gen		13951	13569	13284	13144	12846	12740	12500	12386	12154	12238	12177	12113	12097	12098	11932	11718	12328	13440	14148	14662	14930	15327	15546	
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
TIE-HVDC		31	29	30	30	31	31	31	31	29	29	31	32	30	29	31	29	29	29	0	31	31	30	30	30
TIE-PLTG		87	0	20	-45	49	113	63	94	65	43	38	57	-30	-35	64	3	-90	7	-33	-64	-2	-83	-52	
Interconnection		118	29	50	-15	80	144	94	125	96	74	67	86	1	-3	94	33	-61	38	-4	-35	27	-54	-52	
System Total		13833	13540	13234	13159	12766	12596	12406	12261	12058	12164	12110	12027	12096	12101	11838	11685	12389	13402	14152	14697	14903	15381	15598	
SRev ST-Coal		8	16	35	61	73	109	58	45	49	38	-40	66	25	29	132	298	74	69	67	59	40	74	40	
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
SRev ST-Oil		1	1	2	2	2	1	0	0	25	29	28	28	70	68	67	67	73	-6	8	4	2	5	12	
SRev CCGT-Gas		603	318	617	637	868	928	1254	1364	1600	1547	1594	1666	1591	1346	1519	1469	1348	1086	601	487	500	186	215	
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
SRev Distillate		9	9	5	6	6	7	8	5	15	15	20	16	14	186	187	189	188	75	66	125	136	130	128	
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
Syncon		730	730	730	579	730	730	730	730	579	730	730	730	730	730	730	730	730	730	579	327	478	478	478	
Hydro		142	136	143	247	150	158	123	144	134	259	128	145	125	124	144	146	130	134	262	214	326	289	127	
S.Reserve Total		1493	1210	1532	1532	1829	1933	2173	2288	2553	2467	2460	2651	2555	2483	2779	2899	2543	2088	1583	1216	1482	1162	1000	