

Availability At Daily Maximum Demand Hour

ST-Coal	2,030 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,929 MW
Hydro	1,621 MW
Distillate	0 MW
Total TNB	7,580 MW
Total IPP	10,279 MW
Total Co-Gen	82 MW
System Total	17,941 MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 16:00	
TNB Generation	6,082 MW
IPP Generation	9,579 MW
Total Set On Bus	16,777 MW
Maximum Demand	15,710 MW
Spinning Reserve	1,034 MW
Net Energy	326,013 MWH
Load Factor	86.5 %
Total Cost	59,614,537 RM
Cost per Unit	18.67 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	12676	12062	11590	11175	11073	10917	11231	11367	11814	13556	14549	15164	15158	14809	15244	15607	15710	15399	14318	13891	15081	14894	14284	13753

Gas Usage

Station	(mmscfd)
CBPS	21
GLGR	60
PAKA	168
PGPS	53
SRDG	25
TJGS	212
TNB Total	540
KLPP	107
MPSS	57
PDPS	43
PGLA	110
PKLG	116
PLPS	106
PTEK	45
SGB3	82
SGRI	97
SKSP	54
YPKA	130
IPP Total	948
Total Gas	1,489

Total Gas Required : 1,489
Gas Calorific Value : 38.500

Generation Mix

Type	MWh	Percentage
ST-Coal	48,540.00	14.89 %
Gas	69,912.00	21.44 %
Hydro	7,366.00	2.26 %
Total TNB	125,818.0	38.59 %
ST-Coal	82,455.0	25.29 %
ST-Gas	11,371.0	3.49 %
Gas	104,881.0	32.17 %
Total IPP	198,707.0	60.95 %
Co-Gen	2,068.0	0.63 %
Total Co-Gen	2,068.0	0.63 %
Total Generation	326,593.0	100.18 %
PLTG	-140.0	-0.04 %
HVDC	720.0	0.22 %
Interconnection	580.0	0.18 %
Net Energy	326,013.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	373
Hydro	123
Syncon	628
Thermal	99
Total	1224

	Weather	Temperature
Morning	Sunny	25
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																											
SGRI	GT23	133	108	105	112	104	105	105	105	105	105	115	131	128	104	132	112	134	132	132	131	131	131	131	131	131	130	130	130	130	129	129	130	130	130	130	108	108	131	131	132	132	132	132	132	132	132	130				
SGRI	ST24	189	134	133	142	135	135	134	134	133	135	133	133	139	148	147	143	147	208	218	219	220	219	218	218	218	217	217	217	217	217	218	217	218	217	219	221	205	207	219	217	217	220	218	219	219	217	215				
YPKA	BLK1	372	372	371	371	371	371	374	374	372	372	374	374	375	375	373	373	374	374	371	371	371	371	367	367	366	366	366	366	366	365	365	365	365	365	365	365	365	367	367	367	367	366	366	367	367	369	369	371	371		
YPKA	BLK2	383	383	382	382	381	381	383	383	382	382	383	383	385	385	382	382	383	383	380	380	381	381	376	376	375	375	376	376	376	374	374	374	374	374	374	374	374	376	376	376	376	376	376	377	377	378	378	381	381		
PLPS	GT11	135	138	135	138	109	126	110	110	111	111	110	110	137	141	132	128	108	147	115	143	150	147	147	147	147	147	147	146	146	146	146	146	146	146	146	146	146	114	115	147	147	147	149	149	150	145	142	147			
PLPS	GT12	143	147	130	146	117	134	116	114	116	116	115	115	144	147	141	136	109	149	117	146	146	146	142	142	141	141	141	143	143	143	143	142	142	142	142	142	142	118	118	144	141	143	143	143	145	145	146	146			
PLPS	GT13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42	129	110	139	145	142	142	142	142	142	142	140	141	143	140	140	142	142	142	142	125	111	112	144	143	143	144	144	145	139	135	105				
PLPS	ST18	145	145	147	140	137	146	135	134	134	134	133	145	148	150	144	138	199	204	218	217	217	217	217	217	217	217	217	217	217	217	217	217	217	217	199	199	216	216	216	216	216	216	216	216	213	208					
SKSP	BLK1	227	261	265	280	217	243	213	213	214	215	198	213	276	345	313	252	216	278	235	340	331	279	329	340	315	335	339	337	338	336	339	339	336	281	278	287	335	334	342	339	338	270	311	296	287						
TJGS	GT1A	226	226	226	226	226	226	226	226	216	154	158	158	158	158	193	223	228	224	224	220	220	221	221	221	221	221	221	220	217	217	220	220	220	220	220	220	220	220	220	220	220	220	223	223	223	223	223	223			
TJGS	GT1B	223	223	223	223	223	223	223	223	205	151	154	154	154	154	189	220	222	222	222	219	219	220	216	219	219	219	216	219	215	216	216	216	220	217	220	220	217	217	221	221	221	221	221	221	221	221	221	223			
TJGS	ST1C	258	258	258	258	258	258	258	258	214	198	195	195	195	195	221	246	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256			
TJGS	GT2A	212	213	213	213	213	213	213	213	209	141	144	144	143	143	143	144	141	213	213	210	210	208	208	208	208	208	208	208	208	208	208	208	208	208	208	210	207	207	210	210	210	210	210	210	210	210	210	210	210		
TJGS	GT2B	211	211	211	211	211	211	211	211	203	137	140	140	140	140	140	139	211	211	209	209	206	206	206	206	206	206	206	206	206	206	206	206	206	206	206	206	206	206	206	206	206	206	206	206	206	206	206	206	206	206	
TJGS	ST2C	263	263	263	263	263	263	263	263	224	219	219	219	219	219	219	217	263	263	263	263	263	263	263	263	263	263	263	263	263	263	263	263	263	263	263	263	263	263	263	263	263	263	263	263	263	263	263	263	263	263	
Total CCGT-Gas		6519	6290	6076	6032	5874	5734	5493	5439	5378	5062	5026	5030	5217	5374	5398	5372	5654	6690	7161	7542	7472	7397	7596	7595	7576	7595	7590	7565	7567	7566	7552	7550	7556	7569	7575	7566	7374	6928	6899	7514	7617	7636	7650	7656	7444	7590	7346	6949			
CBPS	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	0	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	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	0	0	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	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	GT1B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	GT2A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	0	0	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	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	0	0	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	0	0	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 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	
BSIA	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	0	0	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	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	0	0	0	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	HY03	11	11	11	12	10	11	10	11	9	10	10	9	10	11	12	11	10	10	11	12	12	12	20	20	10	11	11	12	11	8	13	4	0	12	18	23	16	9	0	0	19	24	20	0	11	13	23	24	0	0	

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	
SYPS	HY04	25	25	25	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	30	32	32	33	28	31	27	28	22	24	26	24	30	40	32	28	29	27	33	37	41	36	85	86	
TMGR	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
TMGR	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	
UPIA	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	
Total Hydro		279	276	249	286	213	225	213	248	204	223	215	206	256	489	230	173	163	164	174	193	266	249	419	438	
PCUF	CUFG	52	53	52	53	52	54	54	55	53	52	52	53	50	52	53	53	53	54	51	55	53	52	52	54	
PCUF	CUFK	35	35	36	36	35	35	37	36	35	36	34	36	35	36	34	38	35	36	35	35	35	34	33	32	30
Total Co-Gen		87	88	88	89	87	89	91	91	88	88	86	89	85	88	87	91	88	89	86	90	87	85	84	87	
Total Gen		12654	12424	12089	11914	11668	11537	11300	11206	11133	11001	10976	10982	11237	11668	11437	11386	11865	13061	13559	14133	14575	14820	15169	15270	
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		30	30	30	30	30	30	30	30	31	31	31	31	30	30	30	30	29	29	31	31	30	30	30	30	
TIE-PLTG		-52	-43	-33	1	48	29	95	-12	30	-46	28	24	-25	-47	40	-34	21	33	-26	87	-5	-6	-25	-21	
Interconnection		-22	-13	-3	31	78	59	125	18	60	-15	59	55	6	-17	70	-4	51	62	3	118	26	24	5	9	
System Total		12676	12437	12062	11883	11590	11478	11175	11188	11073	11016	10917	10927	11231	11685	11367	11390	11814	12999	13556	14015	14549	14796	15164	15261	
SRev ST-Coal		90	89	88	93	88	94	88	174	151	81	95	101	91	85	99	93	86	87	85	104	96	90	96	106	
SRev ST-Gas		5	4	84	76	76	75	75	75	75	75	75	75	75	75	75	83	22	6	3	4	4	4	5	5	
SRev CCGT-Gas		376	325	539	583	737	877	1051	1105	1160	1476	1512	1508	1327	1170	1180	1206	1344	838	564	183	328	403	203	204	
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	254	58	44	63	75	203	
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		644	644	644	493	644	644	644	644	644	493	493	342	493	730	730	730	579	579	579	579	579	579	428	428	
Hydro		88	91	118	208	129	117	129	94	138	119	126	286	235	153	211	116	127	129	120	99	76	93	56	188	
S.Reserve Total		1203	1153	1473	1453	1674	1807	1987	2092	2168	2395	2452	2463	2221	1825	2058	2220	2370	1806	1504	1372	1291	1363	1151	1156	