

Availability At Daily Maximum Demand Hour

ST-Coal	1,380 MW
ST-Gas	70 MW
ST-Oil	0 MW
Gas	4,090 MW
Hydro	1,821 MW
Distillate	200 MW
Total TNB	7,561 MW
Total IPP	8,674 MW
Total Co-Gen	77 MW
System Total	16,312 MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 20:00	
TNB Generation	6,149 MW
IPP Generation	7,311 MW
Total Set On Bus	14,416 MW
Maximum Demand	13,449 MW
Spinning Reserve	879 MW
Net Energy	293,463 MWH
Load Factor	90.9 %
Total Cost	53,123,488.32 RM
Cost per Unit	196.51 RM

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	12356	11824	11432	11120	10862	10739	10742	10672	10565	11744	12693	13194	13210	12902	13158	13129	13003	12716	12360	12496	13449	13248	12958	12444

Gas Usage

Station	(mmscfd)
CBPS	54
GLGR	65
PAKA	168
PGPS	16
SRDG	2
TJGS	228
TNB Total	532
KLPP	95
MPSS	55
PGLA	112
PLPS	91
SGB3	77
SGRI	166
SKSP	50
YPGS	67
YPKA	131

IPP Total	844
Total Gas	1,376

Total Gas Required :	1,478
Gas Calorific Value :	38,500

Alternate Fuel Usage

Station	(mmscfd)
KLPP	1
PGPS	25
PKLG	69
SGB3	5
SGRI	2
Total	102

Generation Mix

Type	MWh	Percentage
ST-Coal	33,068.00	11.27 %
Gas	70,189.00	23.92 %
Hydro	22,188.00	7.56 %
Distillate	3,563.00	1.21 %
Total TNB	129,008.0	43.96 %
ST-Coal	43,431.0	14.80 %
ST-Oil	6,815.0	2.32 %
Gas	110,596.0	37.69 %
Distillate	893.0	0.30 %
Total IPP	161,735.0	55.11 %
Co-Gen	1,785.0	0.61 %
Total Co-Gen	1,785.0	0.61 %
Total Generation	292,528.0	99.68 %
PLTG	-236.0	-0.08 %
HVDC	-699.0	-0.24 %
Interconnection	-935.0	-0.32 %
Net Energy	293,463.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	495
Hydro	190
Syncon	181
Thermal	43
Total	909

	Weather	Temperature
Morning	Sunny	28
Afternoon	Hot	32

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
PRLG	U006	469	469	469	469	469	469	469	469	469	469	469	469	469	469	469	469	469	469	469	469	469	469	469	469
JMJG	U001	690	694	689	690	692	690	689	690	688	691	690	691	691	691	692	688	691	688	689	690	693	690	691	691
JMJG	U002	691	694	691	689	688	686	672	679	673	689	691	689	691	691	688	688	688	690	689	688	687	690	692	692
TBIN	U003	634	639	640	638	637	638	641	640	642	641	639	631	640	638	641	638	639	645	642	639	639	637	639	639
JMAH	U001	703	701	701	699	703	702	702	699	694	699	707	700	702	700	702	698	705	699	699	704	699	698	699	702
Total ST-Coal		3187	3197	3190	3185	3189	3185	3173	3178	3164	3190	3198	3194	3197	3187	3178	3189	3184	3191	3189	3187	3195	3187	3195	3184
PRLG	U002	283	283	283	283	285	284	285	283	283	285	284	284	283	285	284	283	285	284	284	284	285	284	284	
Total ST-Oil		283	283	283	283	285	284	285	283	283	285	284	284	283	285	284	284	285	284	284	284	285	284	284	
CBPS	GT1A	99	99	99	89	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	
CBPS	GT1B	98	98	99	92	91	92	92	92	92	92	91	92	92	92	91	93	97	97	97	91	92	92	91	
CBPS	ST1C	101	106	109	91	95	95	98	95	95	91	92	95	94	90	98	99	101	99	102	93	90	88	92	
GLGR	GT01	108	110	109	109	109	110	110	110	111	111	110	111	109	111	110	108	109	109	108	104	109	109	110	
GLGR	GT02	110	110	110	110	109	110	110	108	109	109	110	110	109	110	109	108	108	107	107	106	106	106	106	
GLGR	ST1C	100	100	98	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	99	100	99	99		
KLPP	GT13	147	146	147	149	146	112	113	114	73	68	68	70	69	68	69	69	68	112	146	145	145	146	145	
KLPP	GT14	0	34	97	125	133	102	102	102	71	63	63	64	63	62	63	62	63	95	129	131	131	132		
KLPP	GT15	153	66	0	0	0	0	0	0	0	0	0	0	21	67	149	148	149	149	151	149	150	151		
KLPP	ST17	192	147	123	130	135	122	122	118	102	85	82	85	83	85	84	85	76	120	191	203	203	203		
MPSS	GT01	111	111	111	69	65	64	65	65	65	64	65	64	64	66	65	65	65	64	102	109	108	108		
MPSS	GT02	110	110	110	72	66	67	66	68	66	69	68	68	67	67	67	68	103	110	108	108	108	108		
MPSS	ST01	115	115	115	75	56	56	56	55	56	55	56	55	56	55	56	55	56	115	115	115	115	114		
PAKA	GT1A	88	88	87	65	65	65	65	66	65	67	67	66	66	65	65	66	65	65	67	65	65	66	65	
PAKA	ST1C	37	37	37	32	31	31	31	31	31	31	31	31	31	31	31	31	31	31	37	37	37	38		
PAKA	GT2A	90	90	89	89	64	64	65	65	65	66	66	65	64	64	66	64	66	64	66	65	64	89		
PAKA	GT2B	91	92	92	92	63	63	63	63	63	65	65	63	64	63	65	64	63	89	89	89	89	87		
PAKA	ST2C	87	86	86	82	72	71	71	71	72	71	71	71	72	72	72	72	86	86	86	86	86	86		
PAKA	GT3A	91	91	91	91	91	91	91	91	92	92	92	92	92	92	91	91	90	89	89	89	88	88		
PAKA	GT3B	91	90	90	90	90	91	91	91	92	92	91	92	92	91	90	89	89	89	88	88	88	88		
PAKA	ST3C	80	80	80	80	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79		
PAKA	GT4A	82	81	82	82	81	81	82	82	81	81	81	81	82	81	81	81	80	80	80	80	80	80		
PAKA	GT4B	81	81	81	81	81	81	81	83	81	81	81	81	81	81	81	81	81	81	81	81	81	81		
PAKA	ST4C	87	87	87	87	87	87	87	87	86	87	86	86	86	86	86	86	87	87	87	87	87	87		
PGLA	GT11	244	237	233	225	200	201	187	220	210	184	166	166	172	201	221	164	159	243	217	228	241	239		
PGLA	GT12	238	237	237	223	200	200	188	222	210	185	165	167	173	201	221	163	161	237	215	227	234	232		
PGLA	ST10	252	248	248	250	221	222	203	223	227	218	209	202	206	220	245	200	203	243	229	237	249	252		
PGPS	GT3A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	75	78	86	92	92		
PGPS	GT3B	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		
SGB3	GT31	0	0	0	0	0	0	0	58	59	59	58	58	58	58	58	105	107	120	118	112	113	106		
SGB3	GT32	129	123	118	118	122	123	100	67	67	67	67	67	67	67	115	115	125	124	119	119	113	117		
SGB3	GT33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	72	144	109	109	109	109	110		
SGB3	ST34	132	132	132	130	134	131	119	71	86	82	82	84	88	88	88	88	92	94	139	138	138	215		
SGRI	GT12	143	143	143	144	144	143	143	143	111	111	111	111	111	111	111	144	143	143	143	142	142	142		
SGRI	GT13	103	103	103	139	139	139	139	106	105	105	105	104	104	137	139	139	138	139	139	138	139	138		
SGRI	ST14	146	144	143	149	149	150	151	151	132	134	133	134	133	153	149	149	148	148	146	147	146	150		
SGRI	GT21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	140	137	138	138	137	137	137		
SGRI	GT22	139	128	139	139	139	139	139	139	139	139	139	139	139	139	113	138	139	139	138	138	138	138		
SGRI	GT23	137	126	133	133	133	133	133	133	133	133	133	133	133	133	107	133	132	132	134	134	134	134		
SGRI	ST24	208	199	177	149	149	148	149	149	150	148	151	147	148	149	152	132	155	154	152	217	221	220		

