

Availability At Daily Maximum Demand Hour

ST-Coal	2,070	MW
ST-Gas	0	MW
ST-Oil	0	MW
Gas	3,585	MW
Hydro	1,649	MW
Distillate	540	MW
Total TNB	7,844	MW
Total IPP	9,666	MW
Total Co-Gen	78	MW
System Total	17,588	MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 16:00	
TNB Generation	6,997 MW
IPP Generation	8,947 MW
Total Set On Bus	16,927 MW
Maximum Demand	16,005 MW
Spinning Reserve	905 MW
Net Energy	323,785 MWH
Load Factor	84.3 %
Total Cost	62,572,863 RM
Cost per Unit	20.17 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	11801	11312	10979	10524	10522	10334	10648	10922	11688	13500	14605	15277	15360	15055	15604	15962	16005	15553	14535	14300	15127	15079	14423	13819

Gas Usage

Station	(mmscfd)
CBPS	62
GLGR	63
PAKA	161
PGPS	19
SRDG	24
TJGS	193
TNB Total	522
KLPP	114
MPSS	57
PDPS	9
PGLA	114
PKLG	25
PLPS	101
PTEK	14
SGB3	92
SGRI	109
SKSP	53
YPGS	68
YPKA	118
IPP Total	872
Total Gas	1,394

Total Gas Required : 1,536
Gas Calorific Value : 38.500

Alternate Fuel Usage

Station	(mmscfd)
CBPS	8
PDPS	24
PGPS	24
PKLG	75
PTEK	11
Total	143

Generation Mix

Type	MWh	Percentage
ST-Coal	49,069.00	15.15 %
Gas	65,851.00	20.34 %
Hydro	13,732.00	4.24 %
Distillate	3,774.00	1.17 %
Total TNB	132,426.0	40.90 %
ST-Coal	66,678.0	20.59 %
ST-Gas	1,552.0	0.48 %
ST-Oil	7,393.0	2.28 %
Gas	110,801.0	34.22 %
Distillate	3,152.0	0.97 %
Total IPP	189,576.0	58.55 %
Co-Gen	1,866.0	0.58 %
Total Co-Gen	1,866.0	0.58 %
Total Generation	323,868.0	100.03 %
PLTG	-559.0	-0.17 %
HVDC	642.0	0.20 %
Interconnection	83.0	0.03 %
Net Energy	323,785.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	473
Hydro	283
Syncon	347
Thermal	70
Total	1173

	Weather	Temperature
Morning	Sunny	25
Afternoon	Hot	33

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
PKLG	U004	239	282	282	283	283	282	282	283	282	282	282	282	282	282	282	282	282	282	282	282	282	282	282	282
PKLG	U006	358	358	352	401	447	464	467	470	467	471	464	467	467	467	467	466	466	466	466	466	466	466	466	470
JM/JG	U001	670	669	669	671	670	670	670	673	671	646	645	648	649	672	669	670	669	672	669	676	689	692	690	690
JM/JG	U002	684	686	683	686	684	687	676	672	671	648	648	654	650	687	691	692	692	691	689	686	689	690	692	689
JM/JG	U003	686	688	683	684	688	679	680	667	671	652	649	649	649	691	690	692	691	690	692	689	690	692	689	691
TBIN	U001	673	672	671	673	673	673	671	673	674	649	648	648	648	672	671	675	670	673	671	674	673	673	674	673
TBIN	U003	672	674	675	674	675	675	674	676	675	651	650	649	650	675	672	679	676	675	672	676	678	679	678	676
JMAH	U001	697	701	699	699	704	703	686	671	671	651	651	653	653	702	702	702	702	702	697	702	702	701	701	701
Total ST-Coal		4679	4730	4714	4771	4824	4834	4807	4784	4783	4651	4637	4650	4648	4847	4844	4860	4849	4845	4838	4845	4859	4875	4877	4871
PKLG	U001	284	242	155	143	144	144	144	144	144	144	144	144	144	143	0	0	0	0	0	0	0	0	0	0
PKLG	U002	0	0	0	0	0	0	0	0	0	0	0	0	0	16	34	72	130	151	152	0	0	0	0	0
Total ST-Gas		284	242	155	143	144	144	144	144	144	144	144	144	144	143	16	34	72	130	151	152	0	0	0	0
PKLG	U001	0	0	0	0	0	0	0	0	0	0	0	0	0	175	248	278	286	283	284	284	284	284	284	284
PKLG	U002	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 ST-Oil		0	0	0	0	0	0	0	0	0	0	0	0	0	175	248	278	286	283	284	284	284	284	284	284
CBPS	GT1A	82	0	0	0	0	0	0	0	0	0	0	0	18	92	99	99	98	99	98	98	97	91	91	91
CBPS	GT1B	88	87	89	89	88	89	89	88	89	89	89	89	88	91	97	96	97	94	94	95	95	94	92	93
CBPS	ST1C	88	42	40	40	39	39	39	41	40	41	40	41	87	103	104	103	104	103	103	103	103	102	90	90
GLGR	GT01	24	34	49	71	42	69	79	94	112	109	110	108	110	109	110	110	109	111	110	109	109	91	106	108
GLGR	GT02	110	110	110	90	91	90	90	94	112	114	113	113	114	114	115	115	113	114	114	114	114	113	112	111
GLGR	ST1C	44	43	45	39	39	38	38	58	97	99	100	99	100	101	101	100	99	100	99	100	99	99	99	99
KLPP	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
KLPP	GT12	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	146	146	115	72	71	73	72	73	72	73	73	73	72	73	73	72	73	73	73	73	74	74	133	133
KLPP	GT14	144	144	144	144	83	83	73	73	73	73	73	73	73	73	74	74	133	133	147	147	148	148	147	146
KLPP	GT15	151	152	113	71	71	71	73	71	73	71	71	71	71	68	150	152	155	155	155	155	155	154	154	154
KLPP	ST17	203	203	191	138	134	133	133	136	136	135	135	134	134	137	138	137	162	207	203	239	236	237	237	237
MPSS	GT01	109	72	64	65	66	65	66	64	66	66	66	65	67	65	66	66	100	108	107	106	107	107	105	104
MPSS	GT02	109	74	66	69	66	68	68	66	69	68	69	67	69	67	67	101	108	108	107	107	107	107	106	106
MPSS	ST01	113	76	56	55	55	55	55	56	56	55	55	55	55	55	87	111	112	113	113	113	111	111	111	110
PAKA	GT1A	90	66	65	65	66	65	65	67	66	65	65	65	67	65	65	91	90	89	88	88	88	87	87	87
PAKA	GT1B	87	66	64	64	64	64	66	65	65	65	63	66	64	63	66	64	88	87	87	86	85	85	85	85
PAKA	ST1C	81	70	69	68	67	68	68	68	68	68	68	69	69	82	82	82	82	82	82	82	82	82	82	82
PAKA	GT2A	84	66	64	65	65	65	65	65	65	65	64	65	64	64	66	64	89	87	88	87	87	87	86	86
PAKA	GT2B	92	65	64	64	65	64	63	65	64	65	64	65	63	62	65	63	91	90	91	90	89	89	89	87
PAKA	ST2C	85	71	70	70	71	70	70	70	70	70	70	70	70	70	70	84	85	85	86	86	86	84	84	85
PAKA	GT3A	86	65	64	65	66	65	64	65	66	65	65	64	65	64	66	63	87	87	86	86	84	84	84	82
PAKA	GT3B	87	65	65	64	65	64	65	64	65	65	64	65	64	65	63	87	87	86	85	85	84	84	83	83
PAKA	ST3C	77	67	67	67	67	66	66	66	66	66	66	66	66	66	66	76	76	76	77	77	77	77	77	77
PAKA	GT4A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PAKA	GT4B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PAKA	ST4C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PGLA	GT11	215	221	227	224	212	232	158	151	156	198	195	221	225	227	227	228	228	227	239	237	234	236	236	237
PGLA	GT12	215	222	227	225	214	230	158	151	156	201	195	219	224	228	228	229	231	227	227	231	228	230	229	229
PGLA	ST10	228	244	238	240	220	243	207	198	195	213	215	244	245	246	238	242	237	234	254	253	253	253	254	254
PGPS	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	82	83	82	83	83	83	83	83	83	83	84	83	83	83	83	83	82	95	94	93	94	94	94	94
PGPS	ST3C	37	37	37	36	36	36	36	36	36	37	37	37	37	37	37	37	36	84	91	91	91	91	91	91
SGB3	GT31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	54	98	135	98	132	133	135	130	134

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																														
KNYR	HY03	57	61	55	58	59	58	56	54	55	63	59	60	59	63	61	59	65	62	56	103	56	59	60	60	88	93	90	97	102	100	59	59	99	99	94	91	61	59	61	96	96	96	96	96	90	90	24	0						
LPJA	HY02	21	21	20	18	18	18	18	18	18	18	18	18	18	18	18	20	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	18	18	18	18	18	18	18	18	18	18	18	18	18	20	20	20				
MNOR	HY01	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	1	6	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	6	6	6	6	7	7	7	7	7	7	7	7	7	7	7	7			
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	0	0	0	0	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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-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	HY03	-1	-1	20	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
SIHY	HY01	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50		
SIHY	HY03	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	
SYPS	HY01	16	16	16	16	16	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	16	16	16	16	16	16	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	16	16	16	16	16	16	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	16	16	16	16	16	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	33	42	35	38	45	37	32	33	35	38	40	35	37	40	38	38	43	36	30	38	28	31	31	33	31	29	29	29	34	59	80	79	80	80	77	80	80	33	35	80	78	80	80	80	80	80	80	28	30	27	34			
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	0	0	0	0	0	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	-1	-1	-1	-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	0	0	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-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	4	4	4	4	5	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4			
Total Hydro		342	356	365	345	353	344	311	270	273	286	284	280	298	393	181	180	195	247	278	355	523	574	654	684	687	611	543	683	726	972	1016	1015	1127	1051	1001	853	654	437	455	962	1080	1164	1164	1090	707	596	306	184						
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	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	0	0	0	0	0	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	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	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	0	0	0	0
PGPS	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	0	0	0	0	0	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	0	0	0	0	0	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	0	0	0	0	0	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	0	0	0	
Total Distillate		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
PCUF	CUFG	38	40	38	40	39	38	40	39	39	40	38	38	38	38	37	38	39	38	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37		
PCUF	CUFK	39	41	41	41	40	40	39	41	39	40	40	39	40	39	40	40	41	39	40	40	40	39	39	42	41	39	40	40	39	40	41	39	39	40	39	40	39	39	40	39	39	41	40	40	39	40	40	40	41	40	41	40	41	
Total Co-Gen		77	81	79	81	79	78	79	80	78	80	78	77	78	79	78	78	78	78	78	77	79	78	77	76	76	79	78	76	77	78	76	78	78	78	76	78	76	77	76	77	76	78	77	77	76	77	76	78	78	80				
Total Gen		11777	11548	11223																																																			

Daily MW Generation On Monday

19-May-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	
SRev Distillate		0	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
Syncon		489	489	338	575	575	575	575	575	575	575	424	424	580	580	580	580	474	474	474	474	474	474	474	474	474
Hydro		161	147	289	150	142	151	159	125	122	109	111	115	248	153	121	122	107	155	230	153	228	215	435	405	402
S.Reserve Total		1626	1940	2127	2263	2627	2682	2975	2932	2858	2965	3081	2933	2824	2353	2687	2687	2152	1926	1785	1254	1518	1097	1241	1093	1221
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