

Availability At Daily Maximum Demand Hour

ST-Coal	2,070	MW
ST-Gas	0	MW
ST-Oil	0	MW
Gas	4,361	MW
Hydro	1,559	MW
Distillate	0	MW
Total TNB	7,990	MW
Total IPP	9,849	MW
Total Co-Gen	79	MW
System Total	17,918	MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 16:30

TNB Generation	6,710	MW
IPP Generation	8,921	MW
Total Set On Bus	16,766	MW
Maximum Demand	15,783	MW
Spinning Reserve	1,056	MW
Net Energy	333,343	MWH
Load Factor	88.0	%
Total Cost	66,750,035	RM
Cost per Unit	20.82	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	13257	12610	12084	11776	11523	11444	11649	11604	12252	13952	14865	15447	15262	14998	15586	15660	15768	15520	14311	14372	15192	15136	14414	14034

Gas Usage

Station	(mmscfd)
CBPS	93
GLGR	66
PAKA	160
PGPS	42
SRDG	43
TJGS	227
TNB Total	631
KLPP	121
MPSS	58
PDPS	18
PGLA	117
PKLG	16
PLPS	113
PTEK	14
SGB3	61
SGRI	193
YPGS	67
YPKA	127

IPP Total 905

Total Gas 1,536

Total Gas Required : 1,649

Gas Calorific Value : 38.500

Alternate Fuel Usage

Station	(mmscfd)
PKLG	112
Total	112

Generation Mix

Type	MWh	Percentage
ST-Coal	49,391.00	14.82 %
Gas	80,764.00	24.23 %
Hydro	12,039.00	3.61 %
Total TNB	142,194.0	42.66 %
ST-Coal	60,981.0	18.29 %
ST-Gas	295.0	0.09 %
ST-Oil	11,048.0	3.31 %
Gas	116,320.0	34.89 %
Total IPP	188,644.0	56.59 %
Co-Gen	1,851.0	0.56 %
Total Co-Gen	1,851.0	0.56 %
Total Generation	332,689.0	99.80 %
PLTG	44.0	0.01 %
HVDC	-698.0	-0.21 %
Interconnection	-654.0	-0.20 %
Net Energy	333,343.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	400
Hydro	211
Syncon	405
Thermal	84
Total	1100

Weather
Temperature

Morning	Rainy	25
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		
PKLG	U004	281	283	282	286	282	284	284	281	280	283	282	283	283	281	281	282	280	280	280	280	280	278	278	282	282	284
PKLG	U005	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PKLG	U006	450	460	460	474	467	467	464	467	469	469	463	467	466	463	463	464	464	464	464	461	467	470	461	464	461	
JMJG	U001	683	684	684	685	682	683	682	682	686	680	683	686	685	682	683	682	684	684	683	683	681	683	683	684	683	
JMJG	U002	689	689	686	689	690	691	689	688	691	692	690	689	688	690	686	682	691	691	688	688	695	683	690	691	686	
JMJG	U003	683	687	685	686	687	689	686	690	684	679	685	688	685	684	684	687	685	686	690	686	691	687	690	691	695	
TBIN	U001	669	675	673	672	672	674	676	673	674	672	673	673	672	673	672	674	675	674	673	672	673	673	674	673	671	
TBIN	U003	672	675	671	675	676	671	678	675	676	672	673	673	672	673	674	679	680	676	676	673	674	673	675	675	675	
JMAB	U002	0	0	0	0	0	0	0	0	0	5	5	77	192	202	204	313	382	450	550	609	600	604	600	604	600	
Total ST-Coal		4127	4153	4141	4167	4156	4159	4159	4156	4160	4147	4151	4158	4151	4157	4221	4349	4367	4359	4472	4532	4614	4696	4760	4759	4756	
PKLG	U001	0	0	0	0	0	0	40	52	75	132	146	146	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total ST-Gas		0	0	0	0	0	0	40	52	75	132	146	146	0	0	0	0	0	0	0	0	0	0	0	0	0	
PKLG	U001	0	0	0	0	0	0	0	0	0	0	173	227	283	283	283	283	283	283	283	283	283	283	283	283	284	
PKLG	U002	272	272	272	273	273	273	272	274	273	273	273	273	281	281	280	280	280	281	281	279	281	281	281	280	280	
Total ST-Oil		272	272	272	273	273	273	272	274	273	273	273	273	446	508	564	563	563	563	563	563	563	563	563	563	564	
CBPS	GT1A	98	99	96	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	
CBPS	GT1B	97	98	97	88	88	88	88	88	88	88	88	88	88	87	88	98	97	96	97	97	96	94	93	93	94	
CBPS	ST1C	106	105	103	90	89	90	88	88	88	89	89	88	88	88	88	106	104	104	104	105	104	103	103	103	103	
GLGR	GT01	111	112	111	111	110	110	112	112	112	111	112	112	111	113	112	111	110	110	109	109	107	107	108	109	108	
GLGR	GT02	114	114	113	113	113	114	114	114	113	113	113	113	113	113	112	113	112	112	111	110	111	111	111	111	111	
GLGR	ST1C	101	102	101	102	101	101	101	102	101	102	100	102	102	101	101	101	101	101	100	100	100	100	100	100	100	
KLPP	GT11	17	7	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	10	7	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	144	147	147	148	146	147	140	115	113	115	115	115	73	74	73	72	73	147	146	147	150	150	151	151	149	
KLPP	GT14	155	155	152	152	150	150	110	76	76	73	73	73	73	73	122	122	151	151	155	155	155	155	155	155	154	
KLPP	GT15	149	152	147	147	146	140	113	113	112	111	113	73	71	71	73	81	127	143	145	152	150	150	148	149	152	
KLPP	ST17	234	226	202	202	202	202	194	182	182	169	169	168	137	135	135	133	133	194	201	213	234	236	236	235	235	
MPSS	GT01	107	107	89	62	64	64	65	63	66	64	65	64	65	65	64	66	74	107	108	106	108	108	108	108	108	
MPSS	GT02	109	108	91	65	66	66	68	67	69	67	68	68	67	67	69	77	108	108	108	108	109	109	108	108	108	
MPSS	ST01	111	111	93	58	56	56	56	56	56	57	56	57	56	57	56	57	63	106	111	111	111	111	111	111	111	
PAKA	GT1B	87	64	64	64	64	63	64	64	66	64	64	64	64	64	66	66	86	85	85	84	83	84	83	82	83	
PAKA	ST1C	34	30	29	29	29	29	29	29	29	29	29	29	30	34	34	34	34	34	34	34	34	34	34	34	34	
PAKA	GT2A	88	64	65	64	65	63	65	63	66	64	65	66	64	65	66	87	86	87	84	87	86	85	86	86	87	
PAKA	GT2B	89	63	64	64	64	63	63	63	65	63	62	64	63	63	64	64	90	88	87	87	87	86	86	86	86	
PAKA	ST2C	85	71	70	70	70	70	70	70	70	70	70	70	70	71	85	85	85	85	85	85	85	85	85	85	85	
PAKA	GT3A	85	62	62	63	62	62	62	62	62	62	62	63	62	63	63	62	63	85	84	84	82	79	82	81	81	
PAKA	GT3B	86	62	62	62	61	61	62	61	61	62	61	62	63	61	61	62	63	86	85	84	83	81	81	81	81	
PAKA	ST3C	77	68	66	66	66	66	66	66	66	66	66	66	66	66	67	78	78	78	78	78	78	78	78	78	78	
PAKA	GT4A	79	79	79	78	79	79	79	79	79	79	79	79	79	78	79	78	77	77	76	75	76	76	76	76	76	
PAKA	GT4B	80	80	80	79	80	80	79	79	79	79	79	79	79	78	77	77	77	77	77	77	77	77	77	77	77	
PAKA	ST4C	88	87	88	88	88	88	88	88	88	88	88	87	87	87	87	87	88	88	88	88	88	88	88	88	88	
PGLA	GT11	233	243	230	230	197	210	150	209	153	238	201	183	232	229	215	149	240	240	240	236	240	239	243	241	240	
PGLA	GT12	225	235	225	230	195	210	151	209	151	234	201	184	233	231	217	153	232	232	232	229	232	232	235	233	232	
PGLA	ST10	246	254	245	249	231	222	192	223	193	240	216	215	247	249	238	195	255	254	255	255	255	254	255	255	254	
PGPS	GT3A	97	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	36	82	87	97	99	97	97	96	96	
PGPS	GT3B	93	83	81	82	81	83	82	83	81	84	83	83	83	83	83	83	82	84	87	82	87	93	95	94	94	
PGPS	ST3C	90	38	36	37	36	37	36	36	35	37	37	36	37	37	36	38	37	71	91	92	92	92	92	92	92	
SGB3	GT32	112	112	112	152	151	151	112	112	89	72	72	72	72	72	72	72	75	110	102	116	111	117	111	112	112	
SGB3	GT33	116	116	116	138	138	138	105	105	105	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	

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	89	102	90	98	53	101	59	61	48	104	76	65	101	103	63	74	103	99	88	66	60	102	62	101	101	103	99	66	60	79	60	64	63	66	76	59	55	82	95	84	91	94	103	102	95	63	101	62			
LPIA	HY02	24	20	20	21	20	20	20	20	20	20	20	20	20	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24		
MNOR	HY01	4	4	4	4	4	2	2	2	2	2	4	4	4	4	4	1	1	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
PGAU	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	-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	21	-1	79	22	-1	-1	-1	-1	-1	-1	-1	23	-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	-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			
SIHY	HY01	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	0	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	HY03	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	30	30	30	50	50	50	50	50	50	50	50	0	0	30	50	50	50	50	50	50	50	50	50		
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	25	25	25	16	16	16	16	25	25	25	25	25	25	25	0	0	0	0	16	25	25	25	25	25	25	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	25	25	0	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	24	24	0	0	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	25	25	0	0	0	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	81	79	80	35	31	37	80	80	80	80	80	80	80	80	80	80	0	0	0	0	0	0	0	0	0	0	0	0	0
TMGR	HY02	22	36	22	76	26	26	26	33	21	39	34	32	36	43	30	39	46	33	23	38	32	35	32	84	84	36	32	37	83	82	83	84	84	85	84	82	26	28	33	30	31	32	34	34	28	32	31	32			
TMGR	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	81	81	-1	-1	-1	80	80	81	81	81	81	81	81	82	0	0	0	0	0	-1	-1	-1	-1	-1	-1	-1			
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	-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	6	6	6	6	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		418	338	278	391	231	289	210	232	188	320	246	233	318	351	227	298	353	360	266	293	265	453	678	848	680	384	366	412	659	819	846	851	861	850	819	628	306	352	508	797	910	939	951	901	804	488	493	335			
PCUF	CUFG	38	38	38	39	37	39	37	36	39	38	36	37	35	35	35	36	39	39	38	38	38	37	38	38	37	37	38	38	37	36	38	38	39	39	39	38	38	39	40	40	39	39	39	38	39	39	38	38	38		
PCUF	CUFK	38	39	40	39	39	38	40	39	40	39	39	39	40	38	38	40	40	39	40	38	40	40	41	39	39	39	40	40	41	40	39	38	40	40	40	37	39	40	40	39	38	39	39	39	39	38	40	39	40	39	40
Total Co-Gen		76	77	78	78	76	77	77	75	79	77	75	76	75	73	73	76	79	78	78	76	78	77	79	77	76	78	78	76	77	76	79	79	79	75	77	79	80	79	77	78	78	77	77	79	77	78	78	78			
Total Gen		13274	12922	12600	12425	12138	12222	11772	11769	11543	11627	11493	11484	11582	11721	11649	11605	12143	13022	13961	14366	14759	15077	15363	15556	15318	15016	14984	15116	15530	15655	15653	15746	15734	15710	15505	14960	14362	13996	14266	14980	15172	15236	15131	14860	14405	14144	14004	13826			
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	0	0	
TIE-HVDC		-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-30	-30	-28	-28	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29
TIE-PLTG		46	-18	19	37	83	29	25	62	49	-5	79	39	-37	-27	73	-69	-80	-47	38	-46	-76	-85	-55	-7	85	-7	15	-70	-27	-10	21	28	-5	-44	14	88	81	22	-77	-9	9	-2	23	-30	21	-56	-1	-7			
Interconnection		17	-47	-10	8	54	0	-4	33	20	-34	49	9	-67	-57	45	-97	-109	-76	9	-75	-106	-115	-84	-36	56	-36	-14	-99	-56	-39	-7	0	-34	-73	-15	59	51	-8	-106	-38	-20	-31	-5	-58	-9	-86	-30	-36			
System Total		13257	12969	12610	12417	12084	12222	11776	11736	11523	11661	11444	11475	11649	11778	11604	11702	12252	13098	13952	14441	14865	15192	15447	15592	15262	15052	14998	15215	15586	15694	15660	15746	15768	15783	15520	14901	14311	14004	14372	15018	15192	15267	15136	14918	14414	14230	14034	13862			
SRev SI-Coal		93	67	79	53	64	61	61	64	60	73	69	62	119	113	49	81	63	94	90	32	100	118	54	65	132	74	60	51	105	65	110	51	60	64	40	55	83	78	75	63	70	75	70	67	84	64	72	65	65		
SRev SI-Gas		0	0	0	0	0	0	0	-40	-4	-27	-84	-2	-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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 SI-Oil		13	13	13	12	12	12	13	11	12	12	12	12	-17	-23	6	7	7	7	7	7	7	7	5	5	8	6	6	6	7	7	7	6	7	7	7	7	44	14	33	11	11	11	11	7	15	5	7	7	6	6	
SRev CCGT-Gas		296	418	546	391	503	481	811	873	1040	1096	1212	1230	1209	1134	1208	1510	1146	535	347	231	226	228	248	238	318	281	270	285	259	254	296	274	295	299	296	295	390	766	666	405	317	305	314	359	647	365	400	209	209		
SRev OCGT-Gas		131	0	0	0																																															