

**Availability At Daily Maximum Demand Hour**

ST-Coal	2,070 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,815 MW
Hydro	1,757 MW
Distillate	550 MW
<b>Total TNB</b>	<b>8,192 MW</b>
<b>Total IPP</b>	<b>11,129 MW</b>
<b>Total Co-Gen</b>	<b>28 MW</b>
<b>System Total</b>	<b>19,349 MW</b>

**Set On Bus, TNB, IPP And MD**

At Daily Maximum Demand Hour : 14:30

TNB Generation	6,820 MW
IPP Generation	10,002 MW
Total Set On Bus	17,832 MW
Maximum Demand	16,817 MW
Spinning Reserve	982 MW
Net Energy	354,829 MWH
Load Factor	87.9 %
Total Cost	66,034,404 RM
Cost per Unit	19.46 cents/kWH

**Maximum Demand Record**

Date :	11/06/2014	16,901.0 MW
Date :	19/06/2014	354,829.0 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	14559	13817	13472	13027	12711	12458	12380	12283	12672	14617	15439	16269	16174	15939	16510	16699	16595	16272	15138	14806	15902	15894	15546	15220

**Gas Usage**

Station	(mmscfd)
CBPS	53
GLGR	58
PAKA	187
PGPS	10
TJGS	215
<b>TNB Total</b>	<b>522</b>
KLPP	57
MPSS	57
PGLA	96
PKLG	7
PLPS	36
PTEK	18
SGRI	89
SKSP	33
YPGS	66
YPKA	94
<b>IPP Total</b>	<b>553</b>
<b>Total Gas</b>	<b>1,075</b>

Total Gas Required : 1,431  
Gas Calorific Value : 38.500

**Alternate Fuel Usage**

Station	(mmscfd)
CBPS	7
KLPP	48
PDPS	11
PGLA	10
PGPS	34
PKLG	83
PLPS	51
SGRI	96
SKSP	5
SRDG	11
<b>Total</b>	<b>356</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	49,111.00	13.84 %
Gas	69,290.00	19.53 %
Hydro	15,993.00	4.51 %
Distillate	5,764.00	1.62 %
<b>Total TNB</b>	<b>140,158.0</b>	<b>39.50 %</b>
ST-Coal	107,323.0	30.25 %
ST-Gas	645.0	0.18 %
ST-Oil	8,190.0	2.31 %
Gas	75,045.0	21.15 %
Distillate	23,218.0	6.54 %
<b>Total IPP</b>	<b>214,421.0</b>	<b>60.43 %</b>
Co-Gen	809.0	0.23 %
<b>Total Co-Gen</b>	<b>809.0</b>	<b>0.23 %</b>
<b>Total Generation</b>	<b>355,388.0</b>	<b>100.16 %</b>
PLTG	-438.0	-0.12 %
HVDC	997.0	0.28 %
<b>Interconnection</b>	<b>559.0</b>	<b>0.16 %</b>
<b>Net Energy</b>	<b>354,829.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	546
Hydro	278
Syncon	294
Thermal	87
<b>Total</b>	<b>1205</b>

	Weather	Temperature
Morning	Sunny	25
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																										
PKLG	U003	281	282	282	281	281	283	282	281	281	280	281	282	283	282	283	283	284	283	282	280	280	282	282	280	284	282	282	280	278	282	280	280	281	280																
PKLG	U004	282	281	283	282	283	279	279	278	280	285	279	281	282	278	281	283	280	281	282	281	281	279	279	279	283	283	278	281	281	279	277	283	281	285	283															
PKLG	U006	466	466	465	466	466	468	468	468	465	468	468	469	468	466	466	466	466	466	466	466	466	467	466	467	466	460	469	464	463	463	466	465	466	460	463	466	463													
JMJG	U001	685	684	687	685	676	689	682	684	684	683	683	682	683	681	683	687	683	681	683	682	683	683	681	682	683	681	684	688	682	684	684	682	683	682	683	679	683	684	683											
JMJG	U002	692	690	690	691	691	691	696	689	690	691	690	690	689	692	689	689	692	691	688	687	685	689	691	696	689	692	691	692	689	690	691	690	692	692	693	689	689	689	694	690	696	687	690	689	695	690	689			
JMJG	U003	654	649	650	649	650	649	648	653	650	651	648	649	649	651	649	653	690	686	683	686	686	683	687	683	682	682	684	681	685	683	686	685	682	684	683	684	685	681	684	684	689	684	681	684	683	683	683	680		
TBDN	U001	672	672	671	673	673	674	673	674	668	674	674	672	672	671	679	669	676	674	673	672	673	671	674	674	671	673	673	673	670	672	673	675	675	672	671	672	669	675	672	672	671	673	673	672	671	673	674	670		
TBDN	U002	687	685	686	686	685	686	687	685	680	690	682	688	686	686	690	684	689	685	681	681	686	686	688	689	682	680	682	683	684	685	689	686	688	687	707	686	683	687	686	691	685	684	687	690	684	686	687	684		
TBDN	U003	680	678	676	680	680	681	680	683	679	682	677	681	679	681	683	674	685	680	681	678	681	685	681	685	678	580	675	683	682	680	682	679	685	679	682	678	679	682	678	679	682	678	679	679	682	678	679	679		
JMAH	U001	701	700	700	701	705	700	704	702	697	704	702	701	701	701	708	698	699	703	702	701	702	703	705	706	695	703	700	702	700	702	701	700	700	701	699	698	699	702	702	700	701	703	702	701	700	703	701	699		
JMAH	U002	705	703	702	706	703	703	703	701	699	704	703	703	704	701	710	699	708	702	705	702	705	703	707	706	703	703	703	703	703	705	703	707	703	703	704	709	698	707	704	705	703	708	706	703	707	702	703	705		
Total ST-Coal		6505	6490	6492	6501	6493	6501	6501	6500	6474	6513	6487	6496	6491	6493	6525	6472	6557	6536	6524	6525	6529	6528	6546	6530	6507	6514	6527	6524	6524	6528	6540	6536	6531	6536	6544	6529	6509	6538	6539	6529	6535	6528	6528	6526	6519	6527	6533	6515		
PKLG	U002	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	20	44	44	46	77	85	103	160	146	150	193	214	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total ST-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	20	44	44	46	77	85	103	160	146	150	193	214	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
PKLG	U001	284	283	284	284	284	284	284	284	206	148	148	148	146	148	235	283	283	283	283	283	283	283	283	283	283	283	283	284	284	284	284	283	284	283	283	283	283	284	283	283	283	284	284	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	0	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		284	283	284	284	284	284	284	284	206	148	148	146	148	235	283	283	283	283	283	283	283	283	283	283	283	283	284	284	284	284	283	284	283	283	283	283	284	283	283	283	284	284	284	284	284	284	284	284	284	
CBPS	GT1A	98	99	99	99	99	88	88	88	88	88	88	88	88	88	87	98	98	99	98	97	97	97	97	97	94	92	91	88	87	87	87	88	87	87	87	88	87	87	87	98	98	99	98	98	98	82	0	0	0	
CBPS	GT1B	94	94	95	95	95	88	88	87	88	88	88	87	88	87	87	87	96	96	93	94	92	92	92	92	92	92	90	87	87	87	87	87	88	87	87	87	95	93	93	93	93	93	93	93	93	87	88	89	88	
CBPS	ST1C	103	103	104	105	104	95	95	93	93	93	92	93	91	91	92	92	93	104	104	102	102	100	100	100	99	97	96	92	92	93	92	93	93	93	93	93	93	102	103	103	103	103	69	44	42	42				
GLGR	GT01	108	109	108	108	104	65	67	66	65	68	66	66	66	69	65	68	68	107	107	106	105	105	105	105	104	105	103	103	104	104	103	68	67	68	96	107	107	107	107	107	107	107	107	107	107	107	108			
GLGR	GT02	112	112	111	111	102	66	67	67	68	66	67	67	67	67	67	67	104	111	111	110	110	108	109	108	108	108	107	102	101	106	103	103	104	67	67	67	98	109	110	110	110	110	110	110	110	110	110	110	110	
GLGR	ST1C	101	100	100	100	100	75	71	70	70	70	70	70	70	70	71	90	100	100	100	100	99	99	99	99	98	98	97	93	94	95	96	96	95	74	71	71	85	99	100	100	101	100	100	100	100	100	100			
KLPP	GT13	146	146	145	146	144	145	145	119	72	71	72	71	71	71	73	71	71	115	144	145	145	144	144	143	144	144	144	144	144	144	29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
KLPP	GT14	154	154	154	154	154	154	153	153	124	124	73	73	73	73	73	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	99	99	146	146	148	148	124	124	134	134	144	144	145	145	146	146
KLPP	GT15	152	151	151	152	152	152	152	118	72	71	72	72	71	71	0	0	0	0	0	0	0	0	0	0	0	0	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	ST17	207	208	205	204	205	205	185	136	132	132	130	136	133	111	128	172	184	185	192	184	184	183	183	183	183	183	185	185	185	185	160	168	184	185	185	185	185	176	178	184	185	185	185	185	185	185	185	185	186	186
MPSS	GT01	104	104	104	104	95	61	62	64	65	65	64	64	65	65	66	65	71	92	106	106	105	104	104	103	103	101	101	102	102	102	102	101	103	103	103	103	104	102	104	104	104	104	104	104	105	105	106	0	0	
MPSS	GT02	106	106	106	106	95	64	66	67	67	68	67	67	68	68	66	66	75	93	107	107	106	106	106	104	105	105	105	105	105	105	105	105	105	104	104	104	105	105	105	105	105	105	105	105	105	106	106	66	106	
MPSS	ST01	112	112	112	112	108	62	57	57	57	57	57	57	57	57	57	59	82	107	109	113	113	113	113	113	112	112	112	112	112	112	112	111	111	111	111	111	111	111	112	112	112	112	112	113	113	94	47			
PAKA	GT1A	90	90	90	90	67	64	66	65	65	67	64	66	64	66	66	66	66	91	90	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	90	90	66	65	91	90	90	90	90	90	90	90	90	64	65	
PAKA	GT1B	86	86	85	86	65	63	65	63	64	65	64	64	63	65	65	66	64	86	85	85	85	84	85	85	84	85	85	84	84	84	84</																			



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	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	16	16	16	0	0	25	25	25	25	25	25	16	16	16	16	0	0	0	16	16	16	16	16	0	0	0	0							
TMGR	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	81	81	81	80	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	80	80	80	80	80	62	60	64			
TMGR	HY02	30	27	36	39	34	32	27	32	28	33	30	30	31	31	24	24	27	36	36	31	33	-1	-1	-1	-1	-1	-1	-1	33	31	32	31	30	31	31	24	33	35	34	82	79	80	82	77	62	61	66				
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					
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	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	HY01	0	0	0	0	0	0	0	0	0	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	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	0	0	0	0	0	0	0	0	0	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	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		232	149	197	204	195	191	161	173	145	169	205	169	201	472	308	305	259	532	506	462	496	680	849	950	935	919	912	988	1240	1287	1262	1268	1264	1237	1233	1021	498	511	502	615	1081	1162	1098	1195	1029	830	875	869			
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		
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	0	0	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	GT14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	0	0	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	
PGLA	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	0	0	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	
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	
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	
SGRI	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	0	0	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	0	0	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	0	0	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	0	0	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	
PLPS	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	0	0	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	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	0	0	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	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	0	0	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	0	0	0	0	0	0	0	0	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	CUFK	35	35	35	34	35	37	37	36	37	36	37	38	36	37	38	38	37	36	36	36	34	34	34	32	32	29	28	28	30	28	32	31	30	31	31	32	33	32	33	32	31	31	31	32	37	34	34	36			
Total Co-Gen		35	35	35	34	35	37	37	36	37	36	37	38	36	37	38	38	37	36	36	36	34	34	34	32	32	29	28	28	30	28	32	31	30	31	31	32	33	32	33	32	31	31	31	32	37	34	34	36			
Total Gen		14599	14260	13853	13681	13379	13168	13029	12945	12766	12594	12517	12301	12478	12637	12259	12327	12663	13462	14581	15120	15488	15903	16188	16337	16247	16028	15940	16077	16496	16850	16685	16793	16622	16586	16328	15791	15258	14702	14785	15463	16068	16182	16050	15935	15705	15439	15235	14844			
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		
TIE-HVDC		29	31	31	31	31	31	30	30	30	30	30	30	30	29	29	30	30	29	29	30	30	31	31	30	30	31	31	30	30	31	31	30	30	31	31	31	31	31	31	122	121	121	121	121	121	29	29	29			
TIE-PLTG		11	18	4	-72	-125	-28	-30	-39	24	-113	10	-32	67	-41	-25	65	-40	-108	-66	-40	18	-63	-110	-88	43	-15	-30	-17	-44	3	-45	-9	-3	-16	25	-3	87	-62	-54	-34	45	51	35	38	38	-31	-14	-61			
Interconnection		40	49	35	-41	-94	3	1	-8	54	-83	40	-2	97	-11	5	95	-10	-78	-37	-11	48	-33	-81	-59	73	15	1	14	-14	33	-14	22	27	14	56	28	118	-31	-23	88	166	172	156	159	159	-2	15	-32			
System Total		14599	14211	13818	13722	13473	13165	13028	12953	12712	12677	12477	12303	12381	12648	12284	12232	12673	13740	14618																																

*Daily MW Generation On Thursday*

*19-Jun-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																								
Syncon		625	726	726	726	726	726	726	726	726	576	576	475	475	475	475	474	474	474	474	474	474	172	86	86	86	86	86	86	388	625	625	625	323	86	86	237	237	388	388									
Hydro		258	140	92	85	94	98	128	116	144	120	243	129	97	127	291	294	239	218	93	137	125	116	333	232	247	188	195	194	282	321	346	340	344	371	375	285	201	88	97	159	230	386	472	224	315	363	318	224
<b>S.Reserve Total</b>		<b>1118</b>	<b>1147</b>	<b>1204</b>	<b>1155</b>	<b>1258</b>	<b>1471</b>	<b>1610</b>	<b>1693</b>	<b>2073</b>	<b>2244</b>	<b>2584</b>	<b>2549</b>	<b>2370</b>	<b>2112</b>	<b>2901</b>	<b>3213</b>	<b>3391</b>	<b>2446</b>	<b>1857</b>	<b>1318</b>	<b>1330</b>	<b>1088</b>	<b>1184</b>	<b>1045</b>	<b>1181</b>	<b>1321</b>	<b>1411</b>	<b>1382</b>	<b>1209</b>	<b>982</b>	<b>1212</b>	<b>1087</b>	<b>1262</b>	<b>1345</b>	<b>1302</b>	<b>1397</b>	<b>1647</b>	<b>2102</b>	<b>2020</b>	<b>1516</b>	<b>1060</b>	<b>946</b>	<b>1100</b>	<b>1216</b>	<b>1176</b>	<b>1481</b>	<b>1395</b>	<b>1548</b>