

**Availability At Daily Maximum Demand Hour**

ST-Coal	2,070 MW
ST-Gas	70 MW
ST-Oil	0 MW
Gas	3,315 MW
Hydro	1,831 MW
Distillate	0 MW
<b>Total TNB</b>	<b>7,286 MW</b>
<b>Total IPP</b>	<b>8,490 MW</b>
<b>Total Co-Gen</b>	<b>87 MW</b>
<b>System Total</b>	<b>15,863 MW</b>

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

At Daily Maximum Demand Hour : 19:30

TNB Generation	6,146 MW
IPP Generation	7,585 MW
Total Set On Bus	14,685 MW
Maximum Demand	13,945 MW
Spinning Reserve	867 MW
Net Energy	302,637 MWH
Load Factor	90.5 %

**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	12725	12228	11586	11386	11193	10892	11053	10844	10894	12109	13043	13630	13705	13320	13499	13453	13598	13197	12950	13444	13778	13698	13331	13043

**Gas Usage**

Station	(mmscfd)
CBPS	61
GLGR	65
PAKA	153
PGPS	43
SRDG	70
TJGS	110
<b>TNB Total</b>	<b>502</b>
KLPP	77
MPSS	62
PDPS	47
PGLA	3
PKLG	51
PLPS	18
PTEK	57
SGB3	36
SGRI	163
SKSP	56
YPGS	33
YPKA	131
<b>IPP Total</b>	<b>733</b>
<b>Total Gas</b>	<b>1,235</b>

Total Gas Required : 1,342  
Gas Calorific Value : 38.500

**Alternate Fuel Usage**

Station	(mmscfd)
PDPS	11
PGLA	4
PKLG	63
SGB3	1
SGRI	28
<b>Total</b>	<b>107</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	48,289.00	15.93 %
Gas	60,859.00	20.08 %
Hydro	20,755.00	6.85 %
<b>Total TNB</b>	<b>129,903.0</b>	<b>42.87 %</b>
ST-Coal	70,945.0	23.41 %
ST-Gas	4,934.0	1.63 %
ST-Oil	6,233.0	2.06 %
Gas	85,526.0	28.22 %
Distillate	3,788.0	1.25 %
<b>Total IPP</b>	<b>171,426.0</b>	<b>56.57 %</b>
Co-Gen	1,997.0	0.66 %
<b>Total Co-Gen</b>	<b>1,997.0</b>	<b>0.66 %</b>
<b>Total Generation</b>	<b>303,326.0</b>	<b>100.09 %</b>
PLTG	-343.0	-0.11 %
HVDC	629.0	0.21 %
<b>Interconnection</b>	<b>286.0</b>	<b>0.09 %</b>
<b>Net Energy</b>	<b>303,040.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	236
Hydro	137
Syncon	341
Thermal	81
<b>Total</b>	<b>795</b>

**Weather Temperature**

Weather	Temperature
Morning	Sunny 24
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	U003	266	268	266	268	268	266	267	265	268	269	267	270	267	271	272	268	270	266	266	268	266	266	266	266	266
PKLG	U004	288	288	288	290	287	286	284	282	284	286	288	284	284	283	283	283	285	281	283	283	279	277	277	281	283
PKLG	U005	466	466	469	466	467	467	466	466	466	469	469	465	469	472	464	465	467	465	465	465	469	465	466	468	468
PKLG	U006	360	360	356	356	356	360	360	360	360	356	356	360	360	356	356	360	360	356	356	360	356	356	356	360	360
JMIG	U001	687	690	688	691	690	691	687	688	689	686	690	689	691	689	689	692	690	690	689	691	696	692	689	689	689
JMIG	U002	692	693	686	690	690	689	692	692	688	690	689	692	688	689	694	691	692	689	690	695	692	691	689	690	689
JMIG	U003	308	320	319	289	403	525	523	518	606	642	648	654	646	650	655	652	694	688	691	692	691	689	695	691	689
TBIN	U001	648	646	647	648	648	648	649	645	648	650	649	647	646	647	650	647	648	648	643	646	647	647	643	648	652
TBIN	U003	588	600	601	600	601	598	602	595	597	602	599	597	598	599	600	601	504	448	354	296	222	163	112	0	0
JMAH	U001	699	705	699	699	703	701	701	701	699	705	698	703	700	700	700	701	696	701	701	700	700	694	703	698	703
JMAH	U002	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	106	202	221	213	
Total ST-Coal		5002	5036	5019	4997	5113	5233	5232	5213	5300	5346	5353	5368	5345	5355	5363	5362	5306	5235	5152	5088	5018	4958	4904	4778	
PKLG	U001	284	284	284	284	283	283	231	237	202	202	152	142	143	143	143	203	203	203	203	203	203	205	201	203	
PKLG	U002	261	261	260	260	261	261	207	191	145	145	146	146	146	146	145	182	204	204	197	197	0	0	0	0	
Total ST-Gas		545	545	544	544	544	544	438	428	347	347	298	288	289	289	289	288	385	407	407	400	400	203	203	205	
PKLG	U001	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	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	0	0	0	0	0	0	0	0	221	230	264	
CBPS	GT1A	99	99	99	99	99	97	88	88	88	88	89	89	88	88	88	100	99	99	99	99	99	99	99	98	
CBPS	GT1B	99	99	99	99	99	98	92	92	92	92	91	93	92	91	92	93	99	98	99	98	99	99	98	96	
CBPS	ST1C	94	99	94	98	98	97	84	87	82	88	83	83	84	81	85	79	92	94	99	96	94	99	92	93	
GLGR	GT01	111	109	108	109	109	110	109	110	111	110	110	110	110	110	110	110	110	110	110	109	109	110	108	111	
GLGR	GT02	107	107	107	106	107	107	106	107	107	107	107	107	107	107	107	107	107	106	106	106	106	106	107	107	
GLGR	ST1C	100	99	100	100	99	99	99	99	99	99	99	99	99	99	99	100	100	100	100	100	100	100	100	100	
KLPP	GT11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	9	16	17	18	32	32	32	32	32	
KLPP	GT13	145	146	145	144	110	108	113	74	71	70	71	71	71	70	70	144	145	145	146	150	150	149	150	149	
KLPP	GT15	145	146	147	146	143	142	112	112	69	69	69	69	69	70	68	69	69	142	142	141	141	146	147	146	
KLPP	ST17	135	134	134	135	123	123	119	111	83	85	85	84	84	81	81	82	82	132	132	117	141	153	153	153	
MPSS	GT01	110	109	109	110	110	111	88	106	101	101	83	84	87	86	85	64	74	110	109	109	110	108	108	108	
MPSS	GT02	110	111	111	111	111	111	89	106	101	101	85	87	86	87	87	66	76	109	110	110	110	110	110	110	
MPSS	ST01	116	116	116	116	116	116	86	110	101	101	85	83	81	81	82	57	62	106	116	116	116	114	114	114	
PAKA	GT2A	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	91	90	90	90	90	90	90	90	
PAKA	GT2B	91	90	90	90	91	91	91	90	90	90	90	91	91	90	90	89	88	88	88	87	87	87	87	87	
PAKA	ST2C	88	88	88	88	88	88	87	87	88	88	88	88	88	88	88	88	88	88	88	87	87	87	87	87	
PAKA	GT3A	92	92	92	92	92	92	92	91	91	92	92	92	92	91	91	90	90	90	90	90	90	90	90	90	
PAKA	GT3B	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	89	89	89	89	88	88	88	88	88	
PAKA	ST3C	84	84	84	84	84	83	83	83	84	84	84	83	83	83	83	83	83	83	83	84	84	84	84	84	
PAKA	GT4A	83	83	83	82	83	83	83	83	83	83	83	83	82	83	83	82	82	84	81	81	81	81	81	81	
PAKA	GT4B	83	83	84	84	84	83	83	84	84	83	83	83	83	83	82	82	82	82	82	82	82	82	81	81	
PAKA	ST4C	89	89	89	89	89	88	88	88	88	88	88	88	88	88	88	88	88	88	88	89	89	88	88	88	
PGPS	GT3A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	78	80	83	97	95	97	96	98	99	99	
PGPS	GT3B	85	85	85	85	84	85	84	86	86	85	85	85	84	85	86	85	85	83	84	83	95	94	94	94	
PGPS	ST3C	37	37	37	37	37	38	38	37	37	37	37	38	38	38	38	38	39	37	38	38	38	38	38	38	
SGB3	GT31	0	0	97	103	103	103	104	104	105	105	105	105	112	110	106	110	113	110	110	106	114	110	110	136	
SGB3	GT32	115	108	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SGB3	ST34	130	103	80	59	59	59	59	59	59	59	59	59	59	63	63	63	63	61	61	63	71	68	68		
SGRI	GT11	142	142	135	132	117	106	119	106	126	128	106	113	117	105	104	105	125	133	112	142	142	141	141	140	
SGRI	GT12	142	142	142	137	123	112	127	111	133	134	111	117	123	111	111	113	132	136	115	141	142	142	141	141	
SGRI	GT13	127	0	0	0	0	0	0	0	0	0	0	0	0	0	25	105	139	138	138	137	137	136	136	136	



### Daily MW Generation On Saturday

09-Nov-2013

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	
PGAU	HY03	62	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	111	111	-1	-1	-1	-1	-1	-1	-1
PGAU	HY04	96	80	0	0	0	0	0	0	0	0	0	0	79	115	80	0	0	79	79	111	0	0	19	19	0
SIHY	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
SIHY	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
SIHY	HY03	0	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	HY01	0	0	0	0	0	0	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	25	25	25	25
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	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	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	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	-1
TMGR	HY02	58	-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	HY03	-1	55	58	58	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TMGR	HY04	38	29	60	51	39	35	36	29	37	37	33	36	36	35	30	30	40	34	33	28	76	56	36	74	39
UPIA	HY01	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	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
<b>Total Hydro</b>		<b>867</b>	<b>762</b>	<b>712</b>	<b>705</b>	<b>632</b>	<b>627</b>	<b>555</b>	<b>557</b>	<b>576</b>	<b>577</b>	<b>567</b>	<b>575</b>	<b>595</b>	<b>570</b>	<b>561</b>	<b>572</b>	<b>589</b>	<b>634</b>	<b>808</b>	<b>575</b>	<b>618</b>	<b>1103</b>	<b>1231</b>	<b>1312</b>	<b>1254</b>
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	
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	
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	
SGB3	GT31	124	30	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	
SGRI	GT13	0	57	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SGRI	ST14	205	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	
<b>Total Distillate</b>		<b>329</b>	<b>87</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	
PCUF	CUFG	46	47	48	48	49	48	48	48	48	45	35	33	33	34	35	34	33	34	34	32	33	33	33	32	46
PCUF	CUFK	41	40	37	40	40	39	38	40	41	41	40	39	41	40	40	40	42	40	42	40	41	40	39	40	41
<b>Total Co-Gen</b>		<b>87</b>	<b>87</b>	<b>85</b>	<b>88</b>	<b>89</b>	<b>87</b>	<b>86</b>	<b>88</b>	<b>89</b>	<b>89</b>	<b>88</b>	<b>84</b>	<b>76</b>	<b>73</b>	<b>74</b>	<b>74</b>	<b>75</b>	<b>74</b>	<b>75</b>	<b>74</b>	<b>76</b>	<b>72</b>	<b>74</b>	<b>73</b>	<b>72</b>
<b>Total Gen</b>		<b>12724</b>	<b>12464</b>	<b>12267</b>	<b>11873</b>	<b>11616</b>	<b>11692</b>	<b>11459</b>	<b>11408</b>	<b>11151</b>	<b>11221</b>	<b>10937</b>	<b>10952</b>	<b>11070</b>	<b>11002</b>	<b>10937</b>	<b>10697</b>	<b>10843</b>	<b>11617</b>	<b>12110</b>	<b>12745</b>	<b>12967</b>	<b>13483</b>	<b>13684</b>	<b>13933</b>	
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	31	30	30	30	30	30	30	31	29	30	29	0	0	0	0	0	0	0	0	0	0	0	0	0
TIE-PLTG		-32	3	9	-6	0	72	41	66	-74	-55	14	-15	-13	-15	93	3	-51	47	1	100	-105	-18	24	-55	
<b>Interconnection</b>		<b>-2</b>	<b>34</b>	<b>39</b>	<b>24</b>	<b>30</b>	<b>102</b>	<b>71</b>	<b>96</b>	<b>-44</b>	<b>-25</b>	<b>45</b>	<b>14</b>	<b>17</b>	<b>14</b>	<b>93</b>	<b>3</b>	<b>-51</b>	<b>47</b>	<b>1</b>	<b>100</b>	<b>-76</b>	<b>12</b>	<b>54</b>		
<b>System Total</b>		<b>12726</b>	<b>12430</b>	<b>12228</b>	<b>11849</b>	<b>11586</b>	<b>11590</b>	<b>11388</b>	<b>11312</b>	<b>11195</b>	<b>11246</b>	<b>10892</b>	<b>10938</b>	<b>11053</b>	<b>10988</b>	<b>10844</b>	<b>10694</b>	<b>10894</b>	<b>11570</b>	<b>12109</b>	<b>12645</b>	<b>13043</b>	<b>13471</b>	<b>13630</b>		
SRev ST-Coal		178	156	168	190	174	162	161	168	250	169	159	158	169	154	158	157	156	65	72	110	57	64	66	70	
SRev ST-Gas		0	0	0	0	0	81	80	76	76	72	71	71	72	72	72	78	80	80	78	79	40	40	40	40	
SRev ST-Oil		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 CCGT-Gas		257	294	264	342	643	680	733	759	1042	1019	1250	1244	1116	1166	906	1076	891	472	389	262	173	177	177	123	
SRev 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	
SRev Distillate		41	193	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	
Syncon		474	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	

*Daily MW Generation On Saturday*
*09-Nov-2013*

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																								
Hydro		234	177	71	78	66	71	77	100	84	82	92	85	216	89	98	87	72	263	244	149	25	98	204	124	270	185	207	284	293	134	213	67	244	381	249	111	139	138	94	238	222	154	59	120	127	80	123	152
S.Reserve Total		1184	1445	1128	1235	1508	1538	1677	1732	2077	1971	2198	2183	2046	2105	1859	2017	1816	1266	1126	1284	1007	979	1116	855	973	897	1017	944	990	938	1057	836	730	957	1127	1482	1265	1392	924	867	932	926	996	1015	1116	979	1111	1046