

**Availability At Daily Maximum Demand Hour**

ST-Coal	1,290	MW
ST-Gas	0	MW
ST-Oil	155	MW
Gas	3,086	MW
Hydro	1,690	MW
Distillate	760	MW
<b>Total TNB</b>	<b>6,981</b>	<b>MW</b>
<b>Total IPP</b>	<b>10,646</b>	<b>MW</b>
<b>Total Co-Gen</b>	<b>97</b>	<b>MW</b>
<b>System Total</b>	<b>17,724</b>	<b>MW</b>

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

At Daily Maximum Demand Hour : 16:30	
TNB Generation	5,127 MW
IPP Generation	8,971 MW
Total Set On Bus	15,158 MW
Maximum Demand	14,229 MW
Spinning Reserve	963 MW
Net Energy	295,614 MWH
Load Factor	86.6 %

**Maximum Demand Record**

Date :	09/05/2011	15,476.0 MW
Date :	10/05/2011	318,459.0 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	11439	10905	10624	10428	10104	9938	10314	10472	11162	12545	13397	14060	13893	13436	13655	14106	14194	13899	13068	13174	13299	13175	12472	12023

**Gas Usage**

Station	(mmscfd)
CBPS	45
GLGR	55
PAKA	134
PGGS	3
TJGS	66
<b>TNB Total</b>	<b>304</b>
KLPP	58
MPSS	45
PLPS	89
SGRI	93
SKSP	46
YPGS	34
YPKA	140
<b>IPP Total</b>	<b>505</b>
<b>Total Gas</b>	<b>808</b>
<b>Total Gas Required :</b>	<b>1,102</b>
<b>Gas Calorific Value :</b>	<b>38.500</b>

**Alternate Fuel Usage**

Station	(mmscfd)
KLPP	30
PGPS	33
PKLG	135
SGRI	30
TJGS	65
<b>Total</b>	<b>294</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	29,187.00	9.87 %
ST-Oil	3,124.00	1.06 %
Gas	39,751.00	13.45 %
Hydro	18,101.00	6.12 %
Distillate	8,970.00	3.03 %
<b>Total TNB</b>	<b>99,133.0</b>	<b>33.53 %</b>
ST-Coal	104,915.0	35.49 %
ST-Oil	13,348.0	4.52 %
Gas	67,706.0	22.90 %
Distillate	7,571.0	2.56 %
<b>Total IPP</b>	<b>193,540.0</b>	<b>65.47 %</b>
Co-Gen	2,414.0	0.82 %
<b>Total Co-Gen</b>	<b>2,414.0</b>	<b>0.82 %</b>
<b>Total Generation</b>	<b>295,087.0</b>	<b>99.82 %</b>
PLTG	170.0	0.06 %
HVDC	-697.0	-0.24 %
<b>Interconnection</b>	<b>-527.0</b>	<b>-0.18 %</b>
<b>Net Energy</b>	<b>295,614.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	492
Hydro	185
Syncon	363
Thermal	38
<b>Total</b>	<b>1078</b>

	Weather	Temperature
Morning	Sunny	28
Afternoon	Rainy	29

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	204	204	205	206	204	203	205	206	203	206	204	205	205	205	230	248	250	246	246	246	246	248	248	247	244	256	236	248	258	241	246	249	246	248	247	250														
PKLG	U004	269	268	270	267	267	267	270	268	269	272	270	270	268	267	268	265	267	268	268	270	269	270	265	268	265	266	267	267	269	270	267	269	267	266	269	266	262	265	271	267	268	268	271							
PKLG	U006	458	460	460	458	458	455	458	457	457	458	458	457	457	459	459	461	461	460	460	460	460	460	460	460	460	461	461	460	457	458	458	458	458	458	458	455	455	456	456	457	457	456	456	457						
JMJG	U002	690	690	690	690	690	667	667	667	667	629	629	629	629	629	629	646	668	688	688	688	688	688	688	688	688	688	688	688	688	688	688	688	688	688	688	688	688	688	688	688	688	688	688	688	688	688				
JMJG	U003	590	590	590	590	590	590	590	590	590	590	590	590	590	590	590	590	590	590	590	590	590	590	590	590	590	590	590	590	590	590	590	590	590	590	590	590	590	590	590	590	590	590	590	590	590	590	590			
TBIN	U001	691	689	696	690	682	667	670	650	646	626	593	632	641	648	648	649	680	696	695	700	693	694	695	693	694	694	692	692	692	692	692	692	692	692	692	692	692	692	692	692	692	692	692	692	692	692	692	692	692	
TBIN	U002	696	690	693	685	691	674	676	653	648	632	600	633	652	651	651	651	683	697	692	689	690	683	691	697	697	692	692	692	692	692	692	692	692	692	692	692	692	692	692	692	692	692	692	692	692	692	692	692	692	
TBIN	U003	694	693	699	695	698	671	670	650	651	627	600	633	652	648	650	650	683	700	696	698	698	698	698	698	698	698	698	698	698	698	698	698	698	698	698	698	698	698	698	698	698	698	698	698	698	698	698	698	698	698
JMAH	U001	701	697	702	705	695	672	675	653	651	628	602	604	655	653	653	651	682	705	700	707	698	703	704	704	703	703	698	702	705	705	706	704	704	704	704	705	703	704	701	700	698	704	697	707	702	701	696	701		
JMAH	U002	702	701	706	700	700	671	670	652	652	628	599	600	639	653	649	652	685	702	701	698	701	702	702	702	702	702	703	701	698	705	705	705	703	703	703	706	697	706	704	700	706	701	702	702	707	702	706	703	707	
Total ST-Coal		5695	5682	5711	5686	5675	5537	5548	5448	5433	5293	5147	5253	5390	5404	5426	5466	5653	5751	5736	5741	5730	5733	5743	5743	5746	5735	5737	5733	5735	5750	5741	5746	5746	5748	5742	5739	5738	5756	5716	5742	5736	5723	5723	5753	5734	5745	5733	5755		
PGPS	U001	69	69	68	68	67	69	69	69	68	68	69	69	68	68	69	69	69	69	70	70	70	70	69	69	67	68	67	66	67	68	68	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69		
PGPS	U002	83	83	83	82	82	82	82	81	81	83	83	83	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	
PKLG	U001	287	288	277	286	289	288	288	288	288	288	288	288	288	288	288	288	288	288	288	288	288	288	288	288	288	288	286	286	286	286	286	286	286	286	286	286	286	286	286	286	286	286	286	286	286	286	286	286	286	
PKLG	U002	277	277	266	265	275	276	276	277	277	277	277	277	277	277	277	277	277	277	277	277	277	277	277	277	277	277	277	276	276	276	276	276	276	276	276	276	276	276	276	276	276	276	276	276	276	276	276	276	276	
Total ST-Oil		716	717	694	701	713	713	715	716	715	714	716	717	718	718	718	718	720	719	719	718	717	716	714	713	712	710	711	715	714	714	711	711	711	712	713	714	714	713	713	714	715	715	715	715	715	715	715	715		
CBPS	GT1A	88	87	89	88	88	89	89	89	89	89	89	89	89	88	89	89	89	83	99	99	99	99	99	99	99	95	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88
CBPS	GT1B	88	32	0	0	0	0	0	0	0	0	0	0	0	0	32	74	102	101	101	101	101	101	100	100	97	90	90	90	90	90	99	99	98	98	98	98	98	97	91	102	101	100	101	101	102	102	101	102	101	102
CBPS	ST1C	86	40	41	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	104	104	103	105	106	104	105	103	93	93	93	92	103	104	105	104	105	104	103	104	103	102	103	104	103	102	103	102	102	102		
GLGR	GT01	65	65	68	67	67	67	68	66	67	66	67	65	67	67	66	89	107	106	106	104	104	105	104	104	103	104	103	103	102	104	104	104	104	104	105	105	105	106	107	106	107	106	106	106	106	106	106	106	106	98
GLGR	GT02	66	67	67	66	67	66	65	66	65	67	68	67	65	67	66	67	89	109	108	106	106	106	105	106	105	105	104	105	104	104	105	107	107	105	105	106	105	107	107	107	108	108	108	107	108	107	109	101	101	
GLGR	ST1C	70	69	69	69	69	69	70	69	70	69	69	69	69	69	69	78	98	99	100	100	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99
KLPP	GT11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	5	10	17	25	32	32	33	33	33	33	33	33	33	33	33	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
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	
KLPP	GT14	141	101	20	0	0	0	0	0	0	0	0	0	0	0	15	65	135	133	136	147	147	147	147	133	108	116	108	122	122	148	148	148	148	148	149	108	130	141	149	142	150	150	150	150	150	150	150	150	150	
KLPP	GT15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	66	122	117	146	144	144	144	144	129	114	112	113	117	147	145	145	145	145	146	114	126	151	146	151	148	148	148	148	148	148	148	148	148	148	
KLPP	ST17	122	120	104	65	61	61	50	61	48	60	48	61	49	47	48	50	50	73	61	186	177	202	206	206	207	207	208	198	203	197	213	210	211	214	213	206	205	194	191	206	198	202	203	206	202	204	203	194	194	
MPSS	GT01	60	0	0	0	0	0	0	0	0	0	0	0	0	0	29	51	82	108	108	107	107	107	108	107	98	92	105	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106
MPSS	GT02	96	108	109	109	109	109	109	108	108	108	108	108	108	84	107	106	106	106	106	106	108	109	99	93	105	105	106	104	98	104	98	96	100	74	99	91	85	105	94	92	87	91	85	91	97	101	101	101		
MPSS	ST01	75	44	42	42	43	43	44	44	45	45	44	47	46	45	46	44	50	49	50	96	106	106	106	106	106	106	106	101	97	102	104	102	103	101	104	100	83	96	79	93	94	86	100	93	95	81	81	98	38	38
PAKA	GT1A	62	62	62	61	61	60	61	62	61	62	62	60	62	60	86	86	85	85	85	84	81	84	83	83	83	83</																								



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																									
SGRI	GT22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	108	134	133	120	112	126	112	112	135	122	117	113	119	112	132	120	112	113	112	113	110	111	138	111	40	0	0						
TJGS	GT2A	173	173	173	133	133	132	133	133	123	123	44	0	0	0	0	0	0	220	228	229	227	227	134	132	130	132	226	225	226	226	227	227	228	229	227	228	229	228	228	122	123	52	47	0					
TJGS	GT2B	168	167	167	127	129	128	129	129	16	116	0	0	0	0	0	0	0	0	213	223	223	223	223	128	128	125	128	224	223	220	223	223	223	224	222	223	223	222	223	17	0	0	0	0					
TJGS	ST2C	211	211	211	192	192	191	191	191	145	128	94	0	0	0	0	0	0	0	232	245	244	246	246	187	191	191	191	240	246	247	245	245	245	245	245	244	245	244	244	244	112	0	0	0	0				
<b>Total Distillate</b>		<b>686</b>	<b>684</b>	<b>688</b>	<b>588</b>	<b>588</b>	<b>586</b>	<b>589</b>	<b>587</b>	<b>420</b>	<b>504</b>	<b>273</b>	<b>136</b>	<b>136</b>	<b>135</b>	<b>135</b>	<b>135</b>	<b>166</b>	<b>220</b>	<b>275</b>	<b>370</b>	<b>1059</b>	<b>1092</b>	<b>1078</b>	<b>1068</b>	<b>1081</b>	<b>796</b>	<b>779</b>	<b>772</b>	<b>801</b>	<b>1071</b>	<b>1070</b>	<b>1068</b>	<b>1075</b>	<b>1056</b>	<b>984</b>	<b>949</b>	<b>941</b>	<b>943</b>	<b>942</b>	<b>808</b>	<b>804</b>	<b>806</b>	<b>389</b>	<b>234</b>	<b>92</b>	<b>47</b>	<b>0</b>		
PCUF	CUFG	53	52	53	52	53	52	53	52	52	53	51	51	51	53	52	51	49	51	50	52	52	53	48	52	54	51	54	53	54	51	51	53	49	53	50	52	51	52	52	51	52	54	50	53	51	53	51		
PCUF	CUFK	27	39	43	39	39	39	41	41	41	39	40	40	40	41	41	39	41	40	41	42	39	40	39	43	42	41	41	42	39	39	39	40	39	44	41	40	39	41	42	41	40	39	40	41	42	41	41	40	
<b>Total Co-Gen</b>		<b>80</b>	<b>91</b>	<b>96</b>	<b>91</b>	<b>92</b>	<b>91</b>	<b>94</b>	<b>93</b>	<b>93</b>	<b>92</b>	<b>91</b>	<b>91</b>	<b>91</b>	<b>94</b>	<b>93</b>	<b>90</b>	<b>90</b>	<b>91</b>	<b>91</b>	<b>93</b>	<b>87</b>	<b>95</b>	<b>96</b>	<b>92</b>	<b>95</b>	<b>95</b>	<b>93</b>	<b>90</b>	<b>90</b>	<b>93</b>	<b>88</b>	<b>97</b>	<b>91</b>	<b>92</b>	<b>90</b>	<b>93</b>	<b>94</b>	<b>93</b>	<b>91</b>	<b>91</b>	<b>94</b>	<b>91</b>	<b>95</b>	<b>92</b>	<b>94</b>	<b>91</b>			
<b>Total Gen</b>		<b>11580</b>	<b>11311</b>	<b>10953</b>	<b>10771</b>	<b>10757</b>	<b>10494</b>	<b>10471</b>	<b>10310</b>	<b>10055</b>	<b>9986</b>	<b>9903</b>	<b>10191</b>	<b>10403</b>	<b>10383</b>	<b>10423</b>	<b>10385</b>	<b>11053</b>	<b>11945</b>	<b>12538</b>	<b>13032</b>	<b>13387</b>	<b>13708</b>	<b>14004</b>	<b>13965</b>	<b>13882</b>	<b>13726</b>	<b>13468</b>	<b>13387</b>	<b>13640</b>	<b>13937</b>	<b>14089</b>	<b>14173</b>	<b>14141</b>	<b>14195</b>	<b>13853</b>	<b>13383</b>	<b>13004</b>	<b>12677</b>	<b>13030</b>	<b>13531</b>	<b>13384</b>	<b>13313</b>	<b>13197</b>	<b>12894</b>	<b>12459</b>	<b>12244</b>	<b>12073</b>	<b>11836</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	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		-28	-28	-30	-30	-29	-30	-29	-29	-29	-28	-28	-29	-29	-31	-31	-30	-30	-28	-30	-28	-29	-29	-29	-29	-29	-28	-28	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-28	-28	-29	-29	-29	-29	-30	-30				
TIE-PLTG		169	77	78	45	162	130	72	33	-20	64	-7	94	118	-15	-18	47	-79	16	21	13	18	-36	-27	-56	18	-9	60	-1	14	-40	13	27	-25	-6	-17	-26	-35	-62	-115	-38	113	30	51	-1	16	21	80	-23	
<b>Interconnection</b>		<b>141</b>	<b>49</b>	<b>48</b>	<b>15</b>	<b>133</b>	<b>100</b>	<b>43</b>	<b>4</b>	<b>-49</b>	<b>35</b>	<b>-35</b>	<b>66</b>	<b>89</b>	<b>-44</b>	<b>-49</b>	<b>16</b>	<b>-109</b>	<b>-14</b>	<b>-7</b>	<b>-17</b>	<b>-10</b>	<b>-65</b>	<b>-56</b>	<b>-85</b>	<b>-11</b>	<b>-38</b>	<b>32</b>	<b>-29</b>	<b>-15</b>	<b>-69</b>	<b>-17</b>	<b>-3</b>	<b>-53</b>	<b>-34</b>	<b>-46</b>	<b>-55</b>	<b>-64</b>	<b>-91</b>	<b>-144</b>	<b>-67</b>	<b>85</b>	<b>2</b>	<b>22</b>	<b>-30</b>	<b>-13</b>	<b>-8</b>	<b>50</b>	<b>-53</b>	
<b>System Total</b>		<b>11439</b>	<b>11262</b>	<b>10905</b>	<b>10756</b>	<b>10624</b>	<b>10394</b>	<b>10428</b>	<b>10306</b>	<b>10104</b>	<b>9951</b>	<b>9938</b>	<b>10125</b>	<b>10314</b>	<b>10427</b>	<b>10472</b>	<b>10369</b>	<b>11162</b>	<b>11959</b>	<b>12545</b>	<b>13049</b>	<b>13397</b>	<b>13773</b>	<b>14060</b>	<b>14050</b>	<b>13893</b>	<b>13764</b>	<b>13436</b>	<b>13416</b>	<b>13655</b>	<b>14006</b>	<b>14106</b>	<b>14176</b>	<b>14194</b>	<b>14229</b>	<b>13899</b>	<b>13438</b>	<b>13068</b>	<b>12768</b>	<b>13174</b>	<b>13598</b>	<b>13299</b>	<b>13311</b>	<b>13175</b>	<b>12924</b>	<b>12472</b>	<b>12252</b>	<b>12023</b>	<b>11889</b>	
SRev ST-Coal		37	50	21	46	57	195	184	284	299	430	460	453	342	328	306	307	120	22	37	32	43	40	30	30	27	38	36	40	38	23	32	27	27	25	31	34	35	17	57	31	37	50	50	20	39	28	40	18	
SRev ST-Oil		9	8	31	24	12	12	10	9	10	11	9	8	8	10	9	8	7	7	7	7	5	6	6	7	8	9	11	12	13	15	14	10	11	11	14	14	14	13	12	11	11	12	12	11	10	10	10	10	
SRev CCGT-Gas		849	944	1014	866	855	859	903	893	919	919	961	1010	1030	1008	984	1024	978	900	795	714	496	318	215	265	295	462	763	783	519	375	462	393	420	388	524	363	547	884	681	427	514	486	434	350	814	661	759	984	
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	0	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		14	16	12	112	112	114	111	113	280	196	257	4	4	5	5	5	114	60	145	50	61	28	42	52	39	324	341	348	319	49	50	52	45	64	136	31	39	37	38	32	36	34	451	136	278	183	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	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	726	726	726	726	726	726	575	424	424	424	424	625	625	474	474	776	776	625	539	539	539	539	323	323	323	323	323	323	323	323	323	323	323	323	323	323	323	323	323	323	323	172	323	539	539	625
Hydro		209	64	217	93	120	238	236	205	151	162	148	322	227	283	289	124	240	209	321	104	150	131	134	201	220	233	124	162	165	157	181	178	175	171	185	68	52	146	111	224	313	254	197	346	492	285	303	171	
<b>S.Reserve Total</b>		<b>1592</b>	<b>1707</b>	<b>1920</b>	<b>1867</b>	<b>1882</b>	<b>2144</b>	<b>2170</b>	<b>2330</b>	<b>2385</b>	<b>2444</b>	<b>2410</b>	<b>2221</b>	<b>2035</b>	<b>2058</b>	<b>2017</b>	<b>2093</b>	<b>1975</b>	<b>1726</b>	<b>1694</b>	<b>1778</b>	<b>1520</b>	<b>1181</b>	<b>952</b>	<b>1084</b>	<b>1141</b>	<b>1320</b>	<b>1581</b>	<b>1661</b>	<b>1406</b>	<b>1212</b>	<b>1061</b>	<b>981</b>	<b>1008</b>	<b>963</b>	<b>1141</b>	<b>1240</b>	<b>1304</b>	<b>1724</b>	<b>1372</b>	<b>1054</b>	<b>1230</b>	<b>1161</b>	<b>1050</b>	<b>1350</b>	<b>1814</b>	<b>1801</b>	<b>1834</b>	<b>1808</b>	