

**Availability At Daily Maximum Demand Hour**

ST-Coal	1,980	MW
ST-Gas	0	MW
ST-Oil	80	MW
Gas	4,106	MW
Hydro	1,890	MW
Distillate	95	MW
<b>Total TNB</b>	<b>8,151</b>	<b>MW</b>
<b>Total IPP</b>	<b>10,636</b>	<b>MW</b>
<b>Total Co-Gen</b>	<b>83</b>	<b>MW</b>
<b>System Total</b>	<b>18,870</b>	<b>MW</b>

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

At Daily Maximum Demand Hour : 16:30

TNB Generation	5,890	MW
IPP Generation	8,071	MW
Total Set On Bus	15,006	MW
Maximum Demand	14,079	MW
Spinning Reserve	962	MW
Net Energy	283,380	MWH
Load Factor	83.9	%

**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	10537	9981	9610	9404	9142	9084	9214	9622	10385	12093	12901	13664	13555	13371	13597	13879	13912	13740	12819	12844	13386	13136	12653	11963

**Gas Usage**

Station	(mmscfd)
CBPS	42
GLGR	55
PAKA	87
PGPS	0
SRDG	4
TJGS	181
<b>TNB Total</b>	<b>370</b>
KLPP	89
MPSS	21
PGLA	81
PLPS	90
SGB3	56
SGRI	26
SKSP	48
YPGS	69
YPKA	123
<b>IPP Total</b>	<b>603</b>
<b>Total Gas</b>	<b>973</b>
<b>Total Gas Required :</b>	<b>1,123</b>
<b>Gas Calorific Value :</b>	<b>38.500</b>

**Alternate Fuel Usage**

Station	(mmscfd)
PGPS	18
PKLG	132
<b>Total</b>	<b>150</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	43,335.00	15.29 %
ST-Gas	5.00	0.00 %
ST-Oil	1,700.00	0.60 %
Gas	50,740.00	17.91 %
Hydro	15,521.00	5.48 %
Distillate	20.00	0.01 %
<b>Total TNB</b>	<b>111,321.0</b>	<b>39.28 %</b>
ST-Coal	75,957.0	26.80 %
ST-Oil	12,961.0	4.57 %
Gas	81,156.0	28.64 %
<b>Total IPP</b>	<b>170,074.0</b>	<b>60.02 %</b>
Co-Gen	2,154.0	0.76 %
<b>Total Co-Gen</b>	<b>2,154.0</b>	<b>0.76 %</b>
<b>Total Generation</b>	<b>283,549.0</b>	<b>100.06 %</b>
PLTG	169.0	0.06 %
<b>Interconnection</b>	<b>169.0</b>	<b>0.06 %</b>
<b>Net Energy</b>	<b>283,380.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	276
Hydro	229
Syncon	435
Thermal	44
<b>Total</b>	<b>983</b>

	Weather	Temperature
Morning	Sunny	28
Afternoon	Hot	31

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	268	268	267	269	270	270	271	266	263	269	270	270	268	268	269	269	266	268	268	269	269	269	268	265	267	267	268	266	267	267																				
PKLG	U005	463	460	463	462	466	462	462	462	463	463	464	464	460	460	460	461	461	462	462	463	463	464	462	461	461	462	461	460	463	461	460	460																		
PKLG	U006	461	461	462	462	461	464	462	458	463	460	465	471	463	460	467	464	461	462	462	465	459	464	467	458	461	463	463	460	466	463	466	466																		
JMJG	U001	672	636	616	616	598	598	580	563	563	563	563	563	563	563	581	599	639	676	676	676	676	676	676	676	676	676	676	676	676	676	676																			
JMJG	U002	665	605	486	486	503	583	581	563	563	563	563	563	563	582	600	640	677	677	677	677	677	677	677	677	677	677	677	677	677	677	677																			
JMJG	U003	599	599	599	599	599	599	560	560	560	560	560	560	560	579	579	579	579	579	579	579	579	579	579	579	579	579	579	579	579	579	579																			
TBIN	U002	700	700	620	620	600	600	570	570	570	570	570	570	570	570	630	648	700	700	700	700	700	700	700	700	700	700	700	700	700	700	700																			
TBIN	U003	700	700	620	620	600	600	570	570	570	570	570	570	570	570	630	652	700	700	700	700	700	700	700	700	700	700	700	700	700	700	700																			
JMAH	U002	673	645	623	623	605	600	581	572	572	569	569	568	573	571	593	602	652	700	707	701	700	699	705	697	703	700	699	705	705	704	710	701																		
Total ST-Coal		5201	5074	4756	4757	4702	4776	4637	4584	4587	4587	4594	4599	4590	4585	4671	4714	4916	5059	5166	5212	5231	5198	5250	5242	5243	5237	5240	5247	5244	5245	5255	5245	5247	5244	5246	5244	5247	5245	5249	5243	5243	5239	5240	5240	5248	5241	5240	5248		
PGPS	U002	82	82	82	82	81	81	81	81	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82			
PKLG	U001	286	286	286	286	286	284	284	284	226	226	226	226	226	226	266	287	287	286	286	286	286	286	286	286	286	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	278	278	278	278	278	278	278	218	220	220	220	220	220	220	266	276	276	278	278	278	278	278	278	278	278	278	278	278	278	278	278	278	278	278	278	278	278	278	278	278	278	278	278	278	278	278	278	278		
Total ST-Oil		646	646	646	646	645	645	643	643	644	526	528	528	528	528	614	645	645	646	645	645	645	645	645	645	646	646	645	645	645	645	643	642	642	640	640	640	640	640	640	639	638	638	640	639	639	640	640	640	640	
CBPS	GT1A	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	83	99	98	99	99	99	99	99	99	98	98	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	
CBPS	GT1B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39	72	102	102	102	103	102	101	101	101	101	100	100	100	99	100	100	99	100	100	98	91	90	90	91	90	91	90	91	90	91	90	91	72	0
CBPS	ST1C	41	41	41	41	41	41	42	41	41	41	41	41	41	41	41	41	40	100	105	106	105	105	104	105	105	105	104	104	105	104	105	105	105	104	104	105	104	105	105	104	95	94	92	92	92	93	93	92	54	44
GLGR	GT01	104	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	99	104	104	104	103	103	103	103	103	103	103	102	101	101	102	102	102	101	102	102	102	103	103	103	102	103	101	102	104	104	103	103		
GLGR	GT02	106	70	70	70	70	70	70	70	70	70	70	70	70	70	103	106	106	106	105	105	105	104	105	104	103	104	103	104	104	104	104	104	104	105	105	105	105	105	104	106	106	106	106	105	105	105	105	105		
GLGR	ST1C	100	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	88	100	99	99	99	99	99	99	99	99	99	98	99	98	99	98	100	99	100	99	99	99	99	99	99	99	99	99	99	99	99	99	99	
KLPP	GT13	66	66	65	65	65	65	65	64	65	66	65	65	65	66	65	65	66	135	146	145	146	146	147	148	148	148	147	148	146	147	146	148	147	145	145	147	130	108	122	147	147	149	108	113	114	113	112	96		
KLPP	GT14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	56	135	135	136	137	137	138	137	136	138	137	136	137	136	136	136	136	136	136	136	136	137	137	137	137	137	138	136	137	136	136	136		
KLPP	GT15	67	67	68	67	67	66	66	66	66	67	66	66	66	66	66	66	116	146	146	146	146	148	144	143	149	148	149	148	153	153	153	148	147	146	148	133	110	129	148	147	148	149	149	148	149	148	148	146		
KLPP	ST17	82	82	84	84	83	83	83	84	84	84	84	83	83	82	86	90	116	116	116	207	207	208	208	209	204	203	205	203	201	205	205	205	204	204	196	180	192	208	203	203	196	201	198	198	198	199	199	196		
MPSS	GT01	0	0	0	0	0	0	0	0	0	0	31	61	82	80	82	90	91	89	99	108	107	106	105	106	106	105	105	104	108	108	107	107	107	107	108	107	107	107	107	105	106	106	106	108	109	109	110			
MPSS	ST01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18	35	42	36	42	49	50	50	51	50	50	50	52	51	51	50	57	51	51	53	57	54	53	53	56	53	53	60	54	54	54				
PAKA	GT1A	61	62	62	62	62	62	62	61	61	62	62	62	61	61	61	62	86	88	88	87	87	87	85	85	61	61	61	86	85	85	84	85	84	85	85	62	62	86	86	86	86	86	86	86	86	86	86			
PAKA	GT1B	60	61	61	60	60	60	60	61	61	61	61	61	61	61	61	61	80	80	80	80	80	79	80	80	61	61	62	80	80	80	81	80	79	60	60	80	80	80	79	80	80	79	80	80	79	80	80			
PAKA	ST1C	70	71	72	71	71	70	71	70	70	70	70	70	70	70	70	70	83	84	82	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		
PAKA	GT2A	60	62	61	60	61	60	61	61	60	61	60	61	60	62	62	60	61	80	79	79	78	80	78	78	79	62	62	62	79	79	78	79	80	79	78	59	60	79	78	79	77	78	77	77	77	79	77			
PAKA	GT2B	59	60	60	59	60	59	60	60	59	60	59	60	59	60	61	60	60	91	91	88	91	91	90	89	89	61	61	61	88	88	88	88	88	88	88	59	58	89	90	89	90	90	90	90	90	90	90			
PAKA	ST2C	72	72	72	72	72	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71			
PGLA	GT11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29	146	214	242	241	241	237	241	241	241	241	239	241	231	232	230	219	220	209	192	193	193	193	193	193	193	193	193	193	193	193	193	193	193
PGLA	GT12	155	156	154	156	154	155	155	156	155	155	157	156	156	156	155	155	137	154	214	246	245	243	240	243	241	242	240	240	241	225	231	230	219	220	209	193	192	193	193	193	193	1								



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																										
Total Co-Gen	83	85	83	85	84	81	87	80	84	83	86	84	86	83	85	86	84	86	85	85	85	83	85	83	80	82	83	82	83	83	80	81	82	83	80	79	82	81	79	82	84	80	86	83	86	84	84	85		
Total Gen	10594	10211	9910	9776	9576	9467	9328	9202	9209	9087	9133	9165	9289	9443	9593	9722	10381	11379	12128	12523	12938	13383	13629	13708	13557	13476	13365	13453	13538	14091	13889	14038	13897	14044	13717	13215	12856	12541	12806	13439	13358	13314	13165	12918	12594	12368	11992	11801		
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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-PLTG	57	-21	-71	-52	-34	55	-76	38	67	43	49	145	78	-43	-28	-24	-4	25	35	21	37	47	-35	-14	3	87	-6	23	-59	17	10	10	-14	-35	-23	51	37	-8	-38	-38	-28	24	29	-10	-59	41	29	69		
Interconnection	57	-21	-71	-52	-34	55	-76	38	67	43	49	145	78	-43	-28	-24	-4	25	35	21	37	47	-35	-14	3	87	-6	23	-59	17	10	10	-14	-35	-23	51	37	-8	-38	-38	-28	24	29	-10	-59	41	29	69		
<b>System Total</b>	<b>10537</b>	<b>10232</b>	<b>9981</b>	<b>9828</b>	<b>9610</b>	<b>9412</b>	<b>9404</b>	<b>9164</b>	<b>9142</b>	<b>9044</b>	<b>9084</b>	<b>9020</b>	<b>9211</b>	<b>9486</b>	<b>9621</b>	<b>9746</b>	<b>10385</b>	<b>11354</b>	<b>12093</b>	<b>12502</b>	<b>12901</b>	<b>13336</b>	<b>13664</b>	<b>13722</b>	<b>13554</b>	<b>13389</b>	<b>13371</b>	<b>13430</b>	<b>13597</b>	<b>14074</b>	<b>13879</b>	<b>14028</b>	<b>13911</b>	<b>14079</b>	<b>13740</b>	<b>13164</b>	<b>12819</b>	<b>12549</b>	<b>12844</b>	<b>13477</b>	<b>13386</b>	<b>13290</b>	<b>13136</b>	<b>12928</b>	<b>12653</b>	<b>12327</b>	<b>11963</b>	<b>11732</b>		
SRev ST-Coal	84	195	358	357	353	353	394	402	399	397	389	383	397	401	373	376	350	188	49	53	58	91	39	47	46	52	49	42	45	44	34	44	42	45	43	45	42	44	40	46	46	50	49	49	41	48	49	41		
SRev ST-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	0
SRev ST-Oil	-1	-1	-1	-1	0	0	2	2	1	54	54	54	54	54	54	31	0	0	-1	0	0	0	0	0	-1	-1	0	0	0	2	3	3	5	5	5	5	5	5	5	6	7	7	5	6	6	5	5	5	5	
SRev CCGT-Gas	1010	1196	1152	1234	1240	1381	1429	1451	1452	1574	1548	1513	1386	1277	1314	1354	1193	1247	835	555	498	268	191	124	255	299	357	316	261	83	171	145	220	271	300	163	425	614	487	250	236	223	269	326	339	530	765	314		
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	147	79	80	80	79	41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	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	0	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	580	580	580	731	731	731	731	731	731	731	731	731	731	580	731	731	731	625	625	474	625	625	625	474	474	474	474	625	625	625	388	388	388	388	474	474	625	625	625	474	172	323	474	474	625	625	625	625		
Hydro	124	241	206	110	247	136	92	136	136	147	139	145	141	239	89	120	123	122	172	409	173	95	80	209	378	411	316	275	243	216	404	271	358	88	238	292	170	197	211	443	389	289	398	236	384	260	260	276		
<b>S.Reserve Total</b>	<b>1797</b>	<b>2211</b>	<b>2295</b>	<b>2431</b>	<b>2571</b>	<b>2601</b>	<b>2648</b>	<b>2722</b>	<b>2719</b>	<b>2903</b>	<b>2861</b>	<b>2826</b>	<b>2709</b>	<b>2551</b>	<b>2561</b>	<b>2612</b>	<b>2397</b>	<b>2182</b>	<b>1680</b>	<b>1491</b>	<b>1354</b>	<b>1079</b>	<b>935</b>	<b>854</b>	<b>1152</b>	<b>1235</b>	<b>1347</b>	<b>1258</b>	<b>1174</b>	<b>880</b>	<b>1079</b>	<b>931</b>	<b>1093</b>	<b>962</b>	<b>1101</b>	<b>1130</b>	<b>1267</b>	<b>1485</b>	<b>1218</b>	<b>918</b>	<b>1001</b>	<b>1041</b>	<b>1196</b>	<b>1242</b>	<b>1394</b>	<b>1468</b>	<b>1704</b>	<b>1261</b>		