

**Availability At Daily Maximum Demand Hour**

ST-Coal	1,980	MW
ST-Gas	150	MW
ST-Oil	0	MW
Gas	4,066	MW
Hydro	1,856	MW
Distillate	60	MW
<b>Total TNB</b>	<b>8,112</b>	<b>MW</b>
<b>Total IPP</b>	<b>11,562</b>	<b>MW</b>
<b>Total Co-Gen</b>	<b>82</b>	<b>MW</b>
<b>System Total</b>	<b>20,306</b>	<b>MW</b>

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

At Daily Maximum Demand Hour : 16:00

TNB Generation	5,932	MW
IPP Generation	8,707	MW
Total Set On Bus	15,733	MW
Maximum Demand	14,787	MW
Spinning Reserve	1,012	MW
Net Energy	308,417	MWH
Load Factor	86.9	%

**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	12152	11432	10987	10683	10500	10332	10650	10659	11113	12830	13649	14333	14377	14024	14608	14695	14787	14401	13313	13055	14086	13950	13447	13053

**Gas Usage**

Station	(mmscfd)
CBPS	24
GLGR	54
PAKA	91
PGPS	52
SRDG	8
TJGS	147
<b>TNB Total</b>	<b>376</b>
KLPP	84
MPSS	45
PGLA	87
PLPS	77
SGB3	73
SGRI	48
SKSP	48
YPGS	34
YPKA	137
<b>IPP Total</b>	<b>633</b>
<b>Total Gas</b>	<b>1,010</b>
<b>Total Gas Required :</b>	<b>1,010</b>
<b>Gas Calorific Value :</b>	<b>38.500</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	47,155.00	15.29 %
Gas	49,623.00	16.09 %
Hydro	23,109.00	7.49 %
<b>Total TNB</b>	<b>119,887.0</b>	<b>38.87 %</b>
ST-Coal	100,566.0	32.61 %
ST-Oil	92.0	0.03 %
Gas	85,022.0	27.57 %
<b>Total IPP</b>	<b>185,680.0</b>	<b>60.20 %</b>
Co-Gen	2,196.0	0.71 %
<b>Total Co-Gen</b>	<b>2,196.0</b>	<b>0.71 %</b>
<b>Total Generation</b>	<b>307,763.0</b>	<b>99.79 %</b>
PLTG	42.0	0.01 %
HVDC	-696.0	-0.23 %
<b>Interconnection</b>	<b>-654.0</b>	<b>-0.21 %</b>
<b>Net Energy</b>	<b>308,417.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	528
Hydro	256
Syncon	137
Thermal	63
<b>Total</b>	<b>984</b>

**Weather Temperature**

	Weather	Temperature
Morning	Sunny	27
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		
YPKA	BLK2	396	396	397	397	398	398	398	399	399	399	399	399	399	399	399	399	399	399	399	399	399	399	399	399	399	
PLPS	GT11	136	102	67	67	67	67	67	67	67	67	137	136	106	106	106	137	136	135	106	105	135	139	139	139	139	
PLPS	GT12	145	109	74	74	74	74	73	74	74	74	74	75	148	147	110	109	109	142	142	140	140	141	141	141	141	
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	
PLPS	ST18	142	128	103	101	102	102	102	102	102	102	102	102	102	107	107	107	150	142	193	193	193	214	214	213	193	
SKSP	BLK1	213	219	213	216	213	229	214	225	225	214	215	213	220	222	210	213	225	214	214	290	338	323	334	307	215	216
TJGS	GT1B	139	139	139	140	140	140	140	140	140	140	140	140	137	140	140	140	140	140	140	140	140	140	140	140	140	140
TJGS	ST1C	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85
TJGS	GT2A	217	184	184	184	184	184	184	184	184	184	184	184	183	184	184	218	216	216	215	216	214	213	213	213	213	213
TJGS	GT2B	214	178	179	179	179	179	179	179	179	178	178	178	178	179	177	215	215	215	213	213	213	213	213	210	210	210
TJGS	ST2C	264	238	239	239	239	239	239	239	239	239	239	239	239	239	239	263	264	263	263	263	263	263	263	263	263	263
Total CCGT-Gas		4699	4352	4248	4253	4255	4272	4241	4263	4270	4248	4261	4252	4264	4260	4250	4260	4327	5121	5487	5647	5887	6301	6628	6689	6663	6451
PAKA	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	
SRDG	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	0	
SRDG	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	
SRDG	GT05	0	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 CCGT-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	
BSIA	HY01	11	11	11	12	11	11	11	0	0	0	0	0	0	20	20	20	20	20	20	12	11	11	11	11	11	11
BSIA	HY02	11	11	11	11	11	11	11	11	11	11	11	11	11	21	21	21	21	21	21	21	21	21	21	21	21	21
BSIA	HY03	12	13	12	12	12	13	11	0	0	0	0	0	0	0	0	23	23	23	23	23	23	23	23	23	23	23
CEND	HY01	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
CEND	HY02	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
CEND	HY04	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
KNRG	HY02	38	38	38	38	38	38	39	39	39	39	39	39	39	39	39	38	38	38	38	38	38	38	38	38	38	38
KNRG	HY03	38	38	38	38	38	38	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KNYR	HY01	104	104	100	104	99	104	96	-1	-1	-1	-1	105	105	103	92	103	65	106	106	106	104	105	102	103	105	104
KNYR	HY02	103	102	99	103	0	0	0	0	0	0	0	0	0	106	106	105	105	105	105	105	105	105	104	102	103	101
KNYR	HY03	103	102	99	103	98	103	95	67	61	57	64	56	103	103	101	89	102	64	105	105	106	105	103	104	101	102
KNYR	HY04	106	106	103	106	0	0	0	0	0	0	0	0	0	0	0	63	106	106	106	106	104	105	102	103	105	104
LPIA	HY01	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
LPIA	HY02	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
PNOR	HY01	5	5	5	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
PGAU	HY01	-1	-1	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PGAU	HY02	113	113	113	-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	-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	112	112	112	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	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	
SYPS	HY02	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	
SYPS	HY03	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	
SYPS	HY04	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	
TMGR	HY01	78	78	60	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
TMGR	HY02	76	78	59	74	59	64	38	43	40	36	43	38	41	44	41	37	62	41	62	65	74	61	58	76	42	
TMGR	HY03	65	68	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TMGR	HY04	-1	-1	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
UPIA	HY01	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	
UPIA	HY02	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	

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 Hydro		1135	1087	918	664	428	444	400	221	236	204	218	205	383	365	357	331	486	601	1075	1245	1477	1400	1410	1474	1381	1139	1190	1164	1371	1358	1398	1399	1421	1374	1361	1146	1201	1142	1116	1175	1229	1224	1217	1150	1118	1140	1141	1168		
PCUF	CUFG	53	52	53	51	53	53	53	53	52	51	51	53	53	54	49	53	51	52	52	52	53	53	53	52	52	54	53	51	52	53	53	54	52	52	52	53	52	51	51	54	51	51	50	53	53	52	54	54		
PCUF	CUFK	33	33	33	33	33	34	32	33	32	31	34	32	33	32	31	33	34	34	33	32	32	35	33	33	31	30	32	30	29	30	29	31	30	30	32	30	30	30	29	33	32	32	31	33	33	35	33	32		
Total Co-Gen		86	85	86	84	86	87	85	86	84	82	85	85	86	86	80	86	85	86	85	84	85	88	86	85	83	84	85	81	81	83	82	85	82	82	84	83	82	81	80	87	83	83	81	86	86	87	87	86		
Total Gen		12098	11695	11435	11181	10947	10820	10730	10476	10484	10263	10295	10276	10566	10692	10673	10671	11065	11975	12802	13139	13619	13956	14299	14456	14356	13927	13973	14222	14558	14722	14645	14651	14721	14672	14376	13901	13235	13098	13006	13638	14054	14017	14005	13760	13454	13302	13047	12725		
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	-30	-30	-29	-29	-29	-29	-29	-29	-29	-28	-28	-29	-29	-29	-29	-29	-29	-30	-30	-30	-30	-30	-30	-28	-28	-29	-29	-30	-30	-28	-29	-29	-29	-29	-29	-29	-29	-29	-29	-28	-28	-29	-29	-28	-28	-29	-29		
TIE-PLTG		-25	-25	33	-12	-11	-47	76	-11	13	30	-8	27	-56	-9	43	40	-19	3	1	18	0	-22	-4	-52	9	-12	-23	12	-21	-23	-20	-30	-37	-24	4	-2	-49	40	-20	-10	-4	27	84	62	35	5	23	24		
Interconnection		-54	-55	3	-41	-40	-76	47	-40	-16	1	-37	-1	-84	-38	14	11	-48	-26	-28	-12	-30	-52	-34	-82	-21	-40	-51	-17	-50	-53	-50	-58	-66	-53	-25	-31	-78	11	-49	-39	-32	-1	55	33	7	-23	-6	-5		
<b>System Total</b>		<b>12152</b>	<b>11750</b>	<b>11432</b>	<b>11222</b>	<b>10987</b>	<b>10896</b>	<b>10683</b>	<b>10516</b>	<b>10500</b>	<b>10262</b>	<b>10332</b>	<b>10277</b>	<b>10650</b>	<b>10730</b>	<b>10659</b>	<b>10660</b>	<b>11113</b>	<b>12001</b>	<b>12830</b>	<b>13151</b>	<b>13649</b>	<b>14008</b>	<b>14333</b>	<b>14538</b>	<b>14377</b>	<b>13967</b>	<b>14024</b>	<b>14239</b>	<b>14608</b>	<b>14775</b>	<b>14695</b>	<b>14709</b>	<b>14787</b>	<b>14725</b>	<b>14401</b>	<b>13932</b>	<b>13313</b>	<b>13087</b>	<b>13055</b>	<b>13677</b>	<b>14086</b>	<b>14018</b>	<b>13950</b>	<b>13727</b>	<b>13447</b>	<b>13325</b>	<b>13053</b>	<b>12730</b>		
SRev ST-Coal		52	59	47	50	52	213	226	324	334	495	493	495	397	249	244	236	63	63	75	67	60	63	55	57	60	67	51	67	64	58	57	63	57	55	121	128	128	94	84	92	96	90	97	94	92	63	48	51		
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 CCGT-Gas		1276	1363	1467	1462	1460	1443	1474	1452	1445	1467	1454	1463	1451	1455	1465	1455	1738	944	1103	1128	1008	594	477	416	442	654	646	380	349	281	456	448	404	406	467	479	1045	1211	1309	753	412	471	497	730	633	837	703	908		
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	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		388	388	388	388	388	388	499	348	499	499	499	237	388	388	388	388	388	388	302	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	
Hydro		183	176	210	79	95	79	123	109	245	126	112	125	209	76	84	110	65	227	224	230	198	300	290	226	319	311	260	336	329	342	302	306	284	331	344	309	254	313	339	280	301	306	313	305	337	315	314	287		
<b>S.Reserve Total</b>		<b>1899</b>	<b>1991</b>	<b>2117</b>	<b>1984</b>	<b>2000</b>	<b>2128</b>	<b>2216</b>	<b>2389</b>	<b>2377</b>	<b>2592</b>	<b>2563</b>	<b>2587</b>	<b>2299</b>	<b>2173</b>	<b>2186</b>	<b>2194</b>	<b>2259</b>	<b>1627</b>	<b>1709</b>	<b>1581</b>	<b>1422</b>	<b>1113</b>	<b>978</b>	<b>910</b>	<b>1008</b>	<b>1188</b>	<b>1143</b>	<b>940</b>	<b>934</b>	<b>1012</b>	<b>1088</b>	<b>1085</b>	<b>1012</b>	<b>1061</b>	<b>1212</b>	<b>1086</b>	<b>1578</b>	<b>1769</b>	<b>1883</b>	<b>1276</b>	<b>960</b>	<b>1018</b>	<b>1058</b>	<b>1280</b>	<b>1213</b>	<b>1366</b>	<b>1216</b>	<b>1397</b>		