

**Availability At Daily Maximum Demand Hour**

ST-Coal	1,200	MW
ST-Gas	0	MW
ST-Oil	80	MW
Gas	3,392	MW
Hydro	1,596	MW
Distillate	650	MW
<b>Total TNB</b>	<b>6,918</b>	<b>MW</b>
<b>Total IPP</b>	<b>10,502</b>	<b>MW</b>
<b>Total Co-Gen</b>	<b>48</b>	<b>MW</b>
<b>System Total</b>	<b>17,468</b>	<b>MW</b>

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

At Daily Maximum Demand Hour : 14:30		
TNB Generation	5,386	MW
IPP Generation	9,067	MW
Total Set On Bus	15,212	MW
Maximum Demand	14,424	MW
Spinning Reserve	711	MW
Net Energy	298,416	MWH
Load Factor	86.2	%

**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	11363	10804	10380	10111	9783	9763	10075	10397	11045	12730	13412	14122	14210	13796	14241	14319	14355	14114	13096	13187	13820	13510	12904	12353

**Gas Usage**

Station	(mmscfd)
GLGR	29
PAKA	181
PGPS	48
SRDG	31
TJGS	96
<b>TNB Total</b>	<b>386</b>
KLPP	4
MPSS	50
PGLA	53
PKLG	3
PLPS	105
SGB3	70
SGRI	106
SKSP	49
YPGS	34
YPKA	131
<b>IPP Total</b>	<b>605</b>
<b>Total Gas</b>	<b>991</b>

Total Gas Required : 1,205  
Gas Calorific Value : 38,500

**Alternate Fuel Usage**

Station	(mmscfd)
PGPS	17
PKLG	122
SGB3	5
SGRI	16
SRDG	4
TJGS	50
<b>Total</b>	<b>214</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	27,359.00	9.17 %
ST-Oil	1,564.00	0.52 %
Gas	49,191.00	16.48 %
Hydro	15,758.00	5.28 %
Distillate	7,741.00	2.59 %
<b>Total TNB</b>	<b>101,613.0</b>	<b>34.05 %</b>
ST-Coal	100,113.0	33.55 %
ST-Oil	11,951.0	4.00 %
Gas	80,968.0	27.13 %
Distillate	2,763.0	0.93 %
<b>Total IPP</b>	<b>195,795.0</b>	<b>65.61 %</b>
Co-Gen	1,313.0	0.44 %
<b>Total Co-Gen</b>	<b>1,313.0</b>	<b>0.44 %</b>
<b>Total Generation</b>	<b>298,721.0</b>	<b>100.10 %</b>
PLTG	-329.0	-0.11 %
HVDC	634.0	0.21 %
<b>Interconnection</b>	<b>305.0</b>	<b>0.10 %</b>
<b>Net Energy</b>	<b>298,416.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	297
Hydro	255
Syncon	192
Thermal	42
<b>Total</b>	<b>787</b>

	Weather	Temperature
Morning	Sunny	28
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																											
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																											
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																											
<b>Total Hydro</b>		<b>274</b>	<b>375</b>	<b>249</b>	<b>392</b>	<b>318</b>	<b>312</b>	<b>244</b>	<b>192</b>	<b>214</b>	<b>287</b>	<b>235</b>	<b>202</b>	<b>291</b>	<b>408</b>	<b>231</b>	<b>235</b>	<b>371</b>	<b>395</b>	<b>748</b>	<b>949</b>	<b>742</b>	<b>800</b>	<b>1039</b>	<b>1077</b>	<b>1063</b>	<b>831</b>	<b>738</b>	<b>1028</b>	<b>961</b>	<b>1151</b>	<b>1016</b>	<b>1152</b>	<b>1056</b>	<b>1021</b>	<b>1061</b>	<b>819</b>	<b>625</b>	<b>483</b>	<b>581</b>	<b>1120</b>	<b>1021</b>	<b>1047</b>	<b>914</b>	<b>701</b>	<b>425</b>	<b>428</b>	<b>344</b>	<b>515</b>			
SGB3	GT31	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																											
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																											
TJGS	GT2A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																											
TJGS	GT2B	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>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>	<b>0</b>																												
PCUF	CUFG	29	22	23	22	21	22	22	22	23	22	22	22	23	22	22	23	22	22	22	22	21	23	22	23																											
PCUF	CUFK	29	27	30	28	29	29	28	29	28	27	28	29	27	28	29	28	28	28	29	29	28	28	28	28																											
<b>Total Co-Gen</b>		<b>58</b>	<b>49</b>	<b>53</b>	<b>50</b>	<b>50</b>	<b>51</b>	<b>50</b>	<b>51</b>	<b>49</b>	<b>50</b>	<b>51</b>	<b>49</b>	<b>50</b>	<b>52</b>	<b>51</b>	<b>50</b>	<b>49</b>	<b>51</b>	<b>51</b>	<b>50</b>	<b>50</b>	<b>52</b>	<b>50</b>																												
<b>Total Gen</b>		<b>11319</b>	<b>11095</b>	<b>10807</b>	<b>10758</b>	<b>10427</b>	<b>10324</b>	<b>10148</b>	<b>9992</b>	<b>9822</b>	<b>9798</b>	<b>9741</b>	<b>9842</b>	<b>10072</b>	<b>10319</b>	<b>10457</b>	<b>10459</b>	<b>11110</b>	<b>11972</b>	<b>12640</b>	<b>13263</b>	<b>13520</b>	<b>13851</b>	<b>14110</b>	<b>14361</b>	<b>14221</b>	<b>14023</b>	<b>13853</b>	<b>14205</b>	<b>14243</b>	<b>14501</b>	<b>14394</b>	<b>14463</b>	<b>14385</b>	<b>14362</b>	<b>14184</b>	<b>13445</b>	<b>13104</b>	<b>12885</b>	<b>13102</b>	<b>13785</b>	<b>13795</b>	<b>13744</b>	<b>13601</b>	<b>13349</b>	<b>12997</b>	<b>12707</b>	<b>12260</b>	<b>11839</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																												
TIE-HVDC		-29	-29	-29	31	31	31	31	30	30	30	30	30	31	31	30	30	30	30	30	29	29	30	30	30																											
TIE-PLTG		-15	28	32	-44	16	12	6	-33	9	-52	-52	-11	-33	-82	29	-75	35	-81	-120	-44	77	-56	-42	-67	-19	8	28	69	-28	47	45	54	0	22	41	-125	-23	9	-115	-39	-54	25	61	-57	63	38	-124	-193			
<b>Interconnection</b>		<b>-44</b>	<b>-1</b>	<b>3</b>	<b>-13</b>	<b>47</b>	<b>43</b>	<b>37</b>	<b>-3</b>	<b>39</b>	<b>-22</b>	<b>-22</b>	<b>19</b>	<b>-3</b>	<b>-51</b>	<b>60</b>	<b>-45</b>	<b>65</b>	<b>-51</b>	<b>-90</b>	<b>-13</b>	<b>108</b>	<b>-26</b>	<b>-12</b>	<b>-37</b>	<b>11</b>	<b>38</b>	<b>57</b>	<b>98</b>	<b>2</b>	<b>77</b>	<b>75</b>	<b>84</b>	<b>30</b>	<b>52</b>	<b>70</b>	<b>-96</b>	<b>8</b>	<b>40</b>	<b>-85</b>	<b>-9</b>	<b>-25</b>	<b>54</b>	<b>91</b>	<b>-27</b>	<b>93</b>	<b>68</b>	<b>-93</b>	<b>-162</b>			
<b>System Total</b>		<b>11363</b>	<b>11096</b>	<b>10804</b>	<b>10771</b>	<b>10380</b>	<b>10281</b>	<b>10111</b>	<b>9995</b>	<b>9783</b>	<b>9820</b>	<b>9763</b>	<b>9823</b>	<b>10075</b>	<b>10370</b>	<b>10397</b>	<b>10504</b>	<b>11045</b>	<b>12023</b>	<b>12730</b>	<b>13276</b>	<b>13412</b>	<b>13877</b>	<b>14122</b>	<b>14398</b>	<b>14210</b>	<b>13985</b>	<b>13796</b>	<b>14107</b>	<b>14241</b>	<b>14424</b>	<b>14319</b>	<b>14379</b>	<b>14355</b>	<b>14310</b>	<b>14114</b>	<b>13541</b>	<b>13096</b>	<b>12845</b>	<b>13187</b>	<b>13794</b>	<b>13820</b>	<b>13690</b>	<b>13510</b>	<b>13376</b>	<b>12904</b>	<b>12639</b>	<b>12353</b>	<b>12001</b>			
SRev ST-Coal		53	36	37	137	153	144	158	275	310	309	306	305	312	304	239	223	37	41	43	40	36	47	131	23	44	23	26	60	40	24	35	38	40	38	38	33	41	31	41	47	46	44	36	58	43	40	43	32			
SRev ST-Oil		5	4	4	2	3	6	6	6	60	60	58	58	58	34	3	3	4	4	3	2	3	4	5	5	3	2	3	3	3	3	3	3	3	3	3	3	2	2	4	4	5	5	6	6	6	5	4	4	4		
SRev CCGT-Gas		411	735	900	991	1231	1335	1568	1556	1560	1562	1572	1441	1459	1503	1429	1487	1157	313	418	444	300	146	145	200	311	284	202	182	161	187	214	216	197	187	404	491	496	585	454	315	206	281	297	315	413	570	784	1134			
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	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	0
Syncon		625	625	625	625	625	625	731	731	731	731	731	731	429	625	625	625	625	625	151	0	302	302	151	151	151	151	302	302	151	151	151	151	151	151	151	151	151	388	539	539	388	237	237	237	388	474	625	324	475	475	
Hydro		211	60	186	43	117	124	191	137	115	43	94	127	38	223	99	95	64	145	181	319	274	266	178	140	154	235	328	189	256	171	306	170	266	253	213	113	81	48	126	111	248	224	206	157	132	280	213	42			
<b>S.Reserve Total</b>		<b>1305</b>	<b>1460</b>	<b>1752</b>	<b>1798</b>	<b>2129</b>	<b>2234</b>	<b>2548</b>	<b>2705</b>	<b>2776</b>	<b>2705</b>	<b>2761</b>	<b>2662</b>	<b>2598</b>	<b>2517</b>	<b>2426</b>	<b>2433</b>	<b>1886</b>	<b>1128</b>	<b>797</b>	<b>882</b>	<b>955</b>	<b>888</b>	<b>869</b>	<b>725</b>	<b>863</b>	<b>1057</b>	<b>1229</b>	<b>874</b>	<b>839</b>	<b>711</b>	<b>916</b>	<b>846</b>	<b>928</b>	<b>900</b>	<b>1080</b>	<b>1245</b>	<b>1269</b>	<b>1316</b>	<b>1123</b>	<b>819</b>	<b>857</b>	<b>910</b>	<b>1051</b>	<b>1042</b>	<b>1248</b>	<b>1249</b>	<b>1695</b>	<b>1694</b>			