

**Availability At Daily Maximum Demand Hour**

ST-Coal	1,980	MW
ST-Gas	0	MW
ST-Oil	80	MW
Gas	2,716	MW
Hydro	1,890	MW
Distillate	390	MW
<b>Total TNB</b>	<b>7,056</b>	<b>MW</b>
<b>Total IPP</b>	<b>9,322</b>	<b>MW</b>
<b>Total Co-Gen</b>	<b>80</b>	<b>MW</b>
<b>System Total</b>	<b>16,458</b>	<b>MW</b>

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

At Daily Maximum Demand Hour : 14:30	
TNB Generation	6,239 MW
IPP Generation	8,166 MW
Total Set On Bus	15,200 MW
Maximum Demand	14,551 MW
Spinning Reserve	715 MW
Net Energy	296,292 MWH
Load Factor	84.8 %

**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	11464	10942	10436	10240	9961	9869	10030	10126	10791	12546	13490	14297	14237	13912	14299	14335	14336	13927	13112	13232	13669	13490	12913	12439

**Gas Usage**

Station	(mmscfd)
CBPS	47
GLGR	56
PAKA	134
SRDG	38
TJGS	26
<b>TNB Total</b>	<b>301</b>
KLPP	15
MPSS	28
PDPS	15
PKLG	7
PLPS	22
PTEK	22
SGB3	22
SGRI	21
SKSP	51
YPGS	63
YPKA	131
<b>IPP Total</b>	<b>398</b>
<b>Total Gas</b>	<b>699</b>

Total Gas Required : 1,218  
Gas Calorific Value : 38.500

**Alternate Fuel Usage**

Station	(mmscfd)
CBPS	6
KLPP	73
PDPS	13
PGLA	95
PGPS	18
PKLG	134
PTEK	13
SGB3	60
SGRI	56
SRDG	29
TEWA	5
TJGS	17
<b>Total</b>	<b>519</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	44,287.00	14.95 %
ST-Oil	1,676.00	0.57 %
Gas	37,500.00	12.66 %
Hydro	28,074.00	9.48 %
Distillate	5,737.00	1.94 %
<b>Total TNB</b>	<b>117,274.0</b>	<b>39.58 %</b>
ST-Coal	68,851.0	23.24 %
ST-Oil	13,239.0	4.47 %
Gas	53,700.0	18.12 %
Distillate	37,659.0	12.71 %
<b>Total IPP</b>	<b>173,449.0</b>	<b>58.54 %</b>
Co-Gen	2,155.0	0.73 %
<b>Total Co-Gen</b>	<b>2,155.0</b>	<b>0.73 %</b>
<b>Total Generation</b>	<b>292,878.0</b>	<b>98.85 %</b>
PLTG	-137.0	-0.05 %
HVDC	-3,277.0	-1.11 %
<b>Interconnection</b>	<b>-3,414.0</b>	<b>-1.15 %</b>
<b>Net Energy</b>	<b>296,292.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	549
Hydro	217
Syncon	16
Thermal	42
<b>Total</b>	<b>824</b>

**Weather Temperature**

Time	Weather	Temperature
Morning	Sunny	28
Afternoon	Rainy	28





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																										
UPLA	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																										
UPLA	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>847</b>	<b>747</b>	<b>622</b>	<b>604</b>	<b>663</b>	<b>895</b>	<b>720</b>	<b>637</b>	<b>610</b>	<b>514</b>	<b>480</b>	<b>444</b>	<b>583</b>	<b>727</b>	<b>565</b>	<b>638</b>	<b>630</b>	<b>1206</b>	<b>1372</b>	<b>1652</b>	<b>1736</b>	<b>1785</b>	<b>1717</b>	<b>1638</b>	<b>1586</b>	<b>1490</b>	<b>1435</b>	<b>1490</b>	<b>1517</b>	<b>1776</b>	<b>1598</b>	<b>1671</b>	<b>1667</b>	<b>1612</b>	<b>1451</b>	<b>1407</b>	<b>1255</b>	<b>1095</b>	<b>1184</b>	<b>1380</b>	<b>1490</b>	<b>1492</b>	<b>1588</b>	<b>1334</b>	<b>1480</b>	<b>1300</b>	<b>1243</b>	<b>1396</b>		
CBPS	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																										
KLPP	GT13	132	134	135	134	43	0	0	0	0	0	0	0	15	64	113	131	132	131	131	132	132	132	132	132	132	132	132	131	133	131	133	134	135	132	132	132	130	131	131	131	132	131	131	132	133	132	60			
KLPP	GT14	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	GT15	133	135	133	133	133	133	133	133	133	133	133	133	132	132	132	132	132	132	132	132	132	132	132	132	132	132	134	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	110			
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																										
PGLA	GT11	186	45	0	0	0	0	0	0	0	0	0	0	0	122	195	217	219	219	219	218	217	217	217	217	217	220	223	219	214	218	215	216	216	218	221	221	221	222	222	222	222	225	224	226	223	222				
PGLA	GT12	171	171	224	224	226	226	227	226	226	228	226	226	226	227	202	191	223	222	220	220	218	219	216	218	218	220	224	219	216	218	216	216	217	219	221	220	222	220	221	222	223	223	224	223	225	225	225	222		
PGLA	ST10	194	86	104	104	103	103	104	104	104	104	104	104	103	103	104	93	199	222	220	220	221	221	221	221	221	223	223	222	219	222	222	221	221	222	222	222	222	222	222	222	223	223	223	223	223	223	224	224		
PTEK	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																										
SGB3	GT31	122	122	122	123	123	122	123	123	103	103	103	127	130	126	126	132	132	127	127	127	127	127	127	127	126	126	127	126	126	126	126	127	126	126	126	126	126	126	126	126	126	126	126	126	126	126				
SGB3	GT32	130	130	130	130	32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																									
SGB3	ST34	131	132	132	132	102	62	62	62	62	58	61	60	60	65	61	62	66	0	0	0	0	0	0	0	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	GT21	122	124	124	124	124	124	123	123	105	105	104	104	122	122	123	123	123	119	121	118	118	118	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	118	118	119	119	119	119	120	120	119	119	119	
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																										
SRDG	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																										
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																										
TEWA	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																										
TJGS	GT1A	135	135	131	131	121	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																										
TJGS	GT1B	128	128	128	128	128	184	174	174	174	174	174	151	0	0	0	0	0	0	0	0	0	0	0	0																										
TJGS	ST1C	155	159	159	156	68	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																										
<b>Total Distillate</b>		<b>1739</b>	<b>1501</b>	<b>1522</b>	<b>1519</b>	<b>1203</b>	<b>898</b>	<b>955</b>	<b>946</b>	<b>945</b>	<b>903</b>	<b>908</b>	<b>904</b>	<b>903</b>	<b>950</b>	<b>927</b>	<b>875</b>	<b>1096</b>	<b>1162</b>	<b>1336</b>	<b>1447</b>	<b>1613</b>	<b>1812</b>	<b>2130</b>	<b>2134</b>	<b>2139</b>	<b>2138</b>	<b>2151</b>	<b>2163</b>	<b>2151</b>	<b>2004</b>	<b>2016</b>	<b>2013</b>	<b>2169</b>	<b>2192</b>	<b>2309</b>	<b>2160</b>	<b>2160</b>	<b>2167</b>	<b>2169</b>	<b>2175</b>	<b>2173</b>	<b>2175</b>	<b>2068</b>	<b>2065</b>	<b>1762</b>	<b>1739</b>	<b>1736</b>	<b>1771</b>		
PCUF	CUFG	52	50	51	52	52	52	51	52	51	51	52	53	53	54	53	54	51	53	51	51	50	51	52	52	51	51	51	51	53	52	52	52	52	52	52	52	52	52	52	52	52	52	51	52	51	53	51	54		
PCUF	CUFK	32	32	31	32	32	30	32	30	31	32	32	32	33	28	33	31	32	31	30	31	31	32	32	31	30	29	27	29	30	28	28	29	28	29	30	29	29	29	29	32	31	32	32	31	32	32	32	33	33	
<b>Total Co-Gen</b>		<b>84</b>	<b>82</b>	<b>82</b>	<b>84</b>	<b>84</b>	<b>82</b>	<b>83</b>	<b>82</b>	<b>82</b>	<b>83</b>	<b>84</b>	<b>85</b>	<b>86</b>	<b>82</b>	<b>86</b>	<b>85</b>	<b>83</b>	<b>84</b>	<b>81</b>	<b>82</b>	<b>81</b>	<b>83</b>	<b>84</b>	<b>83</b>	<b>81</b>	<b>80</b>	<b>78</b>	<b>80</b>	<b>83</b>	<b>80</b>	<b>80</b>	<b>81</b>	<b>80</b>	<b>81</b>	<b>82</b>	<b>81</b>	<b>81</b>	<b>81</b>	<b>81</b>	<b>84</b>	<b>83</b>	<b>84</b>	<b>84</b>	<b>82</b>	<b>84</b>	<b>83</b>	<b>85</b>	<b>84</b>	<b>87</b>	
<b>Total Gen</b>		<b>11166</b>	<b>10859</b>	<b>10625</b>	<b>10424</b>	<b>10096</b>	<b>10060</b>	<b>9969</b>	<b>9840</b>	<b>9724</b>	<b>9607</b>	<b>9567</b>	<b>9530</b>	<b>9711</b>	<b>9943</b>	<b>9883</b>	<b>10040</b>	<b>10469</b>	<b>11682</b>	<b>12226</b>	<b>12956</b>	<b>13416</b>	<b>13885</b>	<b>14293</b>	<b>14405</b>	<b>14311</b>	<b>14144</b>	<b>13957</b>	<b>14077</b>	<b>14208</b>	<b>14485</b>	<b>14313</b>	<b>14358</b>	<b>14317</b>	<b>14359</b>	<b>13893</b>	<b>13605</b>	<b>13104</b>	<b>12780</b>	<b>13146</b>	<b>13633</b>	<b>13657</b>	<b>13564</b>	<b>13428</b>	<b>13149</b>	<b>12901</b>	<b>12617</b>	<b>12346</b>	<b>12217</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	0	
TIE-HVDC		-292	-293	-295	-292	-293	-292	-293	-294	-292	-293	-295	-295	-293	-294	-293	-292	-97	-97	-28	-28	-30	-30	-29	-28	-30	-31	-28	-28	-30	-30	-28	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	
TIE-PLTG		-6	7	-22	13	-47	-13	22	-2	55	-8	-7	19	-26	88	50	9	-28	2	-28	-54	23	-4	24	14	104	127	73	13	-60	-38	6	-91	11	29	-4	54	21	3	-56	21	18	15	-34	24	17	21	-63	-65		
<b>Interconnection</b>		<b>-298</b>	<b>-286</b>	<b>-317</b>	<b>-279</b>	<b>-340</b>	<b>-305</b>	<b>-271</b>	<b>-296</b>	<b>-237</b>	<b>-301</b>	<b>-302</b>	<b>-276</b>	<b>-319</b>	<b>-207</b>	<b>-243</b>	<b>-286</b>	<b>-322</b>	<b>-291</b>	<b>-320</b>	<b>-151</b>	<b>-74</b>	<b>-32</b>	<b>-4</b>	<b>-16</b>	<b>74</b>	<b>98</b>	<b>45</b>	<b>-17</b>	<b>-91</b>	<b>-66</b>	<b>-22</b>	<b>-121</b>	<b>-19</b>	<b>1</b>	<b>-34</b>	<b>25</b>	<b>-8</b>	<b>-26</b>	<b>-86</b>	<b>-8</b>	<b>-12</b>	<b>-13</b>	<b>-62</b>	<b>-5</b>	<b>-12</b>	<b>-9</b>	<b>-93</b>	<b>-94</b>		
<b>System Total</b>		<b>11464</b>	<b>11145</b>	<b>10942</b>	<b>10703</b>	<b>10436</b>	<b>10365</b>	<b>10240</b>	<b>10136</b>	<b>9961</b>	<b>9908</b>	<b>9869</b>	<b>9806</b>	<b>10030</b>	<b>10150</b>	<b>10126</b>	<b>10326</b>	<b>10791</b>	<b>11973</b>	<b>12546</b>	<b>13107</b>	<b>13490</b>	<b>13917</b>	<b>14297</b>	<b>14421</b>	<b>14237</b>	<b>14046</b>	<b>13912</b>	<b>14094</b>	<b>14299</b>	<b>14551</b>	<b>14335</b>	<b>14479</b>	<b>14336</b>	<b>14358</b>	<b>13927</b>	<b>13580</b>	<b>13112</b>	<b>12806</b>	<b>13232</b>	<b>13641</b>	<b>13669</b>	<b>13577</b>	<b>13490</b>	<b>13154</b>	<b>12913</b>	<b>12626</b>	<b>12439</b>	<b>12311</b>		
SRev ST-Coal		46	40	99	154	257	265	260	283	354	353	353	356	354	310	253	258	129	54	51	83	89	44	53	52	52	48	101	109	40	43	36	35	41	42	44	40	38	55	43	48	34	-5	10	35	9	47	52	34		
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		-131	-2	8	9	-1	-5	-3	-4	-4	-4	-4	-7	-7	-6	-6	-6	-6	-5	-5	-5	-5	-6	-6	-5	1	2	7	28																						

*Daily MW Generation On Wednesday*

*30-Nov-2011*

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																								
S.Reserve Total		1121	1564	1468	1669	1754	1358	1450	1578	1691	1768	1814	1852	1673	1437	1501	1713	1382	1079	1197	959	794	683	662	898	990	1156	1296	1177	1095	715	986	822	902	872	1439	1208	1789	2040	1491	993	1040	953	899	1180	1037	1211	1300	1158