

**Availability At Daily Maximum Demand Hour**

ST-Coal	1,200 MW
ST-Gas	155 MW
ST-Oil	0 MW
Gas	4,287 MW
Hydro	1,620 MW
Distillate	60 MW
<b>Total TNB</b>	<b>7,322 MW</b>
<b>Total IPP</b>	<b>10,524 MW</b>
<b>Total Co-Gen</b>	<b>72 MW</b>
<b>System Total</b>	<b>18,198 MW</b>

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

At Daily Maximum Demand Hour : 11:30	
TNB Generation	3,307 MW
IPP Generation	6,949 MW
Total Set On Bus	11,438 MW
Maximum Demand	10,316 MW
Spinning Reserve	1,110 MW
Net Energy	227,030 MWH
Load Factor	91.7 %

**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	10126	9430	9072	8724	8488	8544	8442	8346	8432	9125	9789	10206	10213	10073	10209	10170	10153	9991	9536	9601	10128	10122	10003	9679

**Gas Usage**

Station	(mmscfd)
CBPS	38
GLGR	53
PGPS	46
TJGS	144
<b>TNB Total</b>	<b>281</b>
KLPP	95
MPSS	25
PGLA	79
PLPS	105
SGB3	43
SKSP	48
YPGS	33
YPKA	102
<b>IPP Total</b>	<b>529</b>
<b>Total Gas</b>	<b>810</b>

Total Gas Required : 822  
Gas Calorific Value : 38.500

**Alternate Fuel Usage**

Station	(mmscfd)
PKLG	12
<b>Total</b>	<b>12</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	26,607.00	11.72 %
Gas	38,464.00	16.94 %
Hydro	9,890.00	4.36 %
<b>Total TNB</b>	<b>74,961.0</b>	<b>33.02 %</b>
ST-Coal	78,754.0	34.69 %
ST-Oil	1,124.0	0.50 %
Gas	71,241.0	31.38 %
<b>Total IPP</b>	<b>151,119.0</b>	<b>66.56 %</b>
Co-Gen	1,815.0	0.80 %
<b>Total Co-Gen</b>	<b>1,815.0</b>	<b>0.80 %</b>
<b>Total Generation</b>	<b>227,895.0</b>	<b>100.38 %</b>
PLTG	222.0	0.10 %
HVDC	643.0	0.28 %
<b>Interconnection</b>	<b>865.0</b>	<b>0.38 %</b>
<b>Net Energy</b>	<b>227,030.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	359
Hydro	115
Syncon	493
Thermal	269
<b>Total</b>	<b>1237</b>

	Weather	Temperature
Morning	Rainy	23
Afternoon	Cloudy	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
CEND	HY01	10	10	10	10	10	10	10	10	10	9	10	10	10	10	10	10	10	10	10	10	10	10	10	10
CEND	HY02	10	9	10	10	10	9	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
CEND	HY03	10	10	9	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9	9	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
KNRG	HY01	22	20	19	23	21	23	22	20	23	25	23	18	21	23	22	22	19	23	18	23	21	19	21	23
KNRG	HY02	21	20	20	21	21	21	21	21	20	20	21	21	21	20	21	21	20	21	21	36	38	38	38	38
KNYR	HY01	97	90	52	62	57	58	20	-1	-1	-1	-1	-1	-1	-1	-1	96	96	91	98	71	-1	-1	-1	
KNYR	HY02	69	55	55	84	76	66	72	53	80	105	102	54	64	95	62	71	101	105	97	100	55	102	55	
KNYR	HY04	101	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LPIA	HY01	19	19	19	19	19	19	19	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
LPIA	HY02	19	19	19	19	19	19	19	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
MNOR	HY01	8	8	8	8	4	4	4	4	4	4	4	4	4	4	5	5	2	2	6	6	6	6	6	6
PGAU	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	19	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY02	-1	-1	-1	-1	-1	21	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	21	-1	-1	-1	-1	-1	-1	-1	-1
SIHY	HY01	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	50	50	
SIHY	HY02	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29	30	50	50	
SIHY	HY03	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	49	49	49	49	
SYPS	HY01	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	
SYPS	HY02	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	16	25	25	
SYPS	HY03	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	16	25	25	
SYPS	HY04	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TMGR	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
TMGR	HY02	45	37	38	61	57	42	51	38	63	84	82	38	44	71	41	50	84	84	73	82	38	84	38	
TMGR	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
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	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
<b>Total Hydro</b>		<b>713</b>	<b>479</b>	<b>442</b>	<b>509</b>	<b>487</b>	<b>314</b>	<b>313</b>	<b>237</b>	<b>286</b>	<b>336</b>	<b>329</b>	<b>229</b>	<b>250</b>	<b>331</b>	<b>247</b>	<b>265</b>	<b>331</b>	<b>334</b>	<b>453</b>	<b>423</b>	<b>322</b>	<b>428</b>	<b>305</b>	
PCUF	CUFK	51	53	53	51	53	51	52	52	52	51	52	52	52	51	52	53	52	53	51	51	51	51	51	51
PCUF	CUFK	21	22	21	19	20	20	21	20	20	20	21	20	24	21	20	22	21	20	21	21	20	20	19	18
<b>Total Co-Gen</b>		<b>72</b>	<b>75</b>	<b>74</b>	<b>70</b>	<b>73</b>	<b>71</b>	<b>73</b>	<b>72</b>	<b>72</b>	<b>71</b>	<b>72</b>	<b>72</b>	<b>73</b>	<b>71</b>	<b>71</b>	<b>76</b>	<b>73</b>	<b>71</b>	<b>72</b>	<b>75</b>	<b>71</b>	<b>73</b>	<b>72</b>	<b>72</b>
<b>Total Gen</b>		<b>10063</b>	<b>9696</b>	<b>9367</b>	<b>9262</b>	<b>9062</b>	<b>8830</b>	<b>8679</b>	<b>8591</b>	<b>8605</b>	<b>8638</b>	<b>8572</b>	<b>8455</b>	<b>8399</b>	<b>8498</b>	<b>8408</b>	<b>8292</b>	<b>8404</b>	<b>8866</b>	<b>9171</b>	<b>9528</b>	<b>9822</b>	<b>10067</b>	<b>10271</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
TIE-HVDC		-29	-29	-29	30	30	31	31	31	31	31	31	31	31	31	31	30	30	30	31	31	31	30	30	
TIE-PLTG		-34	5	-34	63	-40	23	-76	57	86	32	-3	32	-74	-55	31	25	-59	4	16	-56	3	-20	35	
<b>Interconnection</b>		<b>-63</b>	<b>-24</b>	<b>-63</b>	<b>93</b>	<b>-10</b>	<b>54</b>	<b>-45</b>	<b>88</b>	<b>117</b>	<b>63</b>	<b>28</b>	<b>63</b>	<b>-43</b>	<b>-24</b>	<b>62</b>	<b>56</b>	<b>-28</b>	<b>34</b>	<b>46</b>	<b>-26</b>	<b>33</b>	<b>10</b>	<b>65</b>	
<b>System Total</b>		<b>10126</b>	<b>9720</b>	<b>9430</b>	<b>9169</b>	<b>9072</b>	<b>8776</b>	<b>8724</b>	<b>8503</b>	<b>8488</b>	<b>8575</b>	<b>8544</b>	<b>8392</b>	<b>8442</b>	<b>8522</b>	<b>8346</b>	<b>8236</b>	<b>8432</b>	<b>8832</b>	<b>9125</b>	<b>9554</b>	<b>9789</b>	<b>10057</b>	<b>10206</b>	
SRev ST-Coal		297	283	288	293	328	329	388	391	388	394	391	393	391	390	391	390	391	389	386	388	347	330	299	
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
SRev ST-Oil		28	28	28	28	28	28	28	29	29	28	28	29	29	29	28	28	28	28	28	28	28	28	28	28
SRev CCGT-Gas		468	507	786	910	1015	1019	1043	1051	1094	1101	1164	1181	1263	1239	1250	1279	1235	824	736	307	396	273	145	
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
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
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

