

**Availability At Daily Maximum Demand Hour**

ST-Coal	1,890 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,927 MW
Hydro	1,624 MW
Distillate	60 MW
<b>Total TNB</b>	<b>7,501 MW</b>
<b>Total IPP</b>	<b>11,192 MW</b>
<b>Total Co-Gen</b>	<b>72 MW</b>
<b>System Total</b>	<b>18,765 MW</b>

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

At Daily Maximum Demand Hour : 21:00

TNB Generation	4,795 MW
IPP Generation	7,533 MW
Total Set On Bus	13,316 MW
Maximum Demand	12,403 MW
Spinning Reserve	916 MW
Net Energy	258,504 MWH
Load Factor	86.8 %

**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	11130	10526	10248	10152	9946	9598	9657	9351	9346	9951	10421	10910	11123	11058	11143	11283	11241	10988	10626	11303	12400	12403	12331	11709

**Gas Usage**

Station	(mmscfd)
CBPS	53
GLGR	55
PAKA	43
PGPS	24
TJGS	143
<b>TNB Total</b>	<b>317</b>
KLPP	66
MPSS	27
PLPS	50
SGB3	34
SKSP	50
YPGS	31
YPKA	96
<b>IPP Total</b>	<b>354</b>
<b>Total Gas</b>	<b>671</b>

Total Gas Required : 713  
Gas Calorific Value : 38.500

**Alternate Fuel Usage**

Station	(mmscfd)
PKLG	42
<b>Total</b>	<b>42</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	40,501.00	15.67 %
Gas	43,314.00	16.76 %
Hydro	11,490.00	4.44 %
<b>Total TNB</b>	<b>95,305.0</b>	<b>36.87 %</b>
ST-Coal	110,117.0	42.60 %
ST-Oil	4,037.0	1.56 %
Gas	47,477.0	18.37 %
<b>Total IPP</b>	<b>161,631.0</b>	<b>62.53 %</b>
Co-Gen	1,674.0	0.65 %
<b>Total Co-Gen</b>	<b>1,674.0</b>	<b>0.65 %</b>
<b>Total Generation</b>	<b>258,610.0</b>	<b>100.04 %</b>
PLTG	-381.0	-0.15 %
EGAT	1,189.0	0.46 %
HVDC	-702.0	-0.27 %
<b>Interconnection</b>	<b>106.0</b>	<b>0.04 %</b>
<b>Net Energy</b>	<b>258,504.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	201
Hydro	154
Syncon	419
Thermal	72
<b>Total</b>	<b>846</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
BSIA	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	10	10
BSIA	HY02	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
BSIA	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	12	10	11
CEND	HY01	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
CEND	HY02	7	7	7	7	8	7	7	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
CEND	HY03	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	34	37	35	37	35	38	36	35	36	36	36	36	36	35	37	37	36	26	23	24	24	25	24	23
KNRG	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
KNRG	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	28	26
KNYR	HY01	-1	-1	-1	-1	98	97	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	93	92	59
KNYR	HY02	52	87	48	60	54	105	84	50	101	43	67	72	87	63	55	63	101	104	59	58	75	90	65	59
KNYR	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	95	94	69
LPJA	HY01	15	15	15	15	15	15	15	15	15	15	15	15	18	20	21	21	24	28	27	26	25	25	25	25
LPJA	HY02	15	15	15	15	15	15	15	15	15	15	15	15	18	19	19	19	16	0	0	0	0	0	0	0
MNOR	HY01	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	3	3	3	3	3	3	3
PGAU	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
PGAU	HY02	-1	-1	-1	-1	-1	-1	-1	-1	13	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY04	-1	-1	-1	-1	22	111	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
SIHY	HY01	50	50	50	50	50	50	50	49	50	50	49	49	40	30	29	30	49	50	50	29	30	50	30	50
SIHY	HY02	49	49	49	50	50	49	50	49	50	50	50	50	30	31	30	30	50	50	50	30	30	50	50	50
SIHY	HY03	50	50	50	50	50	50	50	50	50	50	50	50	30	30	30	50	50	50	50	50	50	50	50	50
SYPS	HY01	25	0	0	0	25	25	25	25	25	25	25	25	16	16	16	16	16	0	0	0	0	0	0	0
SYPS	HY02	25	0	0	0	25	25	25	25	25	25	25	25	16	16	16	16	16	0	0	0	0	0	0	0
SYPS	HY03	24	0	0	0	24	24	24	24	24	24	24	24	16	16	16	16	16	25	24	24	25	16	16	16
SYPS	HY04	25	0	0	0	25	25	25	25	25	25	25	25	16	16	16	16	16	25	25	25	25	16	16	16
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	37	68	34	40	39	84	72	35	72	32	54	63	71	50	40	83	84	38	38	52	83	83	81	84
TMGR	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
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	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
<b>Total Hydro</b>		<b>439</b>	<b>409</b>	<b>334</b>	<b>355</b>	<b>369</b>	<b>756</b>	<b>606</b>	<b>437</b>	<b>524</b>	<b>434</b>	<b>474</b>	<b>488</b>	<b>372</b>	<b>361</b>	<b>447</b>	<b>490</b>	<b>435</b>	<b>434</b>	<b>470</b>	<b>424</b>	<b>400</b>	<b>569</b>	<b>416</b>	
PCUF	CUFG	33	32	34	34	34	34	33	33	34	34	34	34	35	34	35	34	34	33	32	32	31	32	32	31
PCUF	CUFK	35	29	29	30	27	27	30	29	28	28	30	28	29	28	27	29	28	25	26	26	25	26	25	24
<b>Total Co-Gen</b>		<b>68</b>	<b>61</b>	<b>63</b>	<b>64</b>	<b>61</b>	<b>63</b>	<b>62</b>	<b>62</b>	<b>62</b>	<b>64</b>	<b>62</b>	<b>63</b>	<b>62</b>	<b>65</b>	<b>62</b>	<b>65</b>	<b>61</b>	<b>63</b>	<b>61</b>	<b>59</b>	<b>61</b>	<b>61</b>	<b>60</b>	
<b>Total Gen</b>		<b>11214</b>	<b>11032</b>	<b>10646</b>	<b>10468</b>	<b>10284</b>	<b>10319</b>	<b>10110</b>	<b>9825</b>	<b>10000</b>	<b>9765</b>	<b>9564</b>	<b>9574</b>	<b>9614</b>	<b>9554</b>	<b>9403</b>	<b>9235</b>	<b>9349</b>	<b>9454</b>	<b>9950</b>	<b>10146</b>	<b>10366</b>	<b>10789</b>	<b>10984</b>	
TIE-EGAT		82	79	76	73	73	72	72	69	69	69	68	68	67	70	71	71	69	71	69	69	71	73	74	73
TIE-HVDC		-29	-29	-29	-30	-29	-29	-29	-29	-29	-30	-30	-30	-29	-29	-29	-30	-30	-30	-30	-28	-30	-30	-29	-30
TIE-PLTG		31	-81	73	-96	-8	14	-85	59	14	152	-72	-17	-81	-18	11	-13	-29	-118	-36	13	-94	-59	32	
<b>Interconnection</b>		<b>84</b>	<b>-31</b>	<b>120</b>	<b>-53</b>	<b>36</b>	<b>57</b>	<b>-42</b>	<b>99</b>	<b>54</b>	<b>192</b>	<b>-34</b>	<b>21</b>	<b>-43</b>	<b>23</b>	<b>52</b>	<b>24</b>	<b>3</b>	<b>-83</b>	<b>-1</b>	<b>50</b>	<b>-55</b>	<b>-19</b>	<b>74</b>	
<b>System Total</b>		<b>11130</b>	<b>11063</b>	<b>10526</b>	<b>10521</b>	<b>10248</b>	<b>10262</b>	<b>10152</b>	<b>9726</b>	<b>9946</b>	<b>9573</b>	<b>9598</b>	<b>9553</b>	<b>9657</b>	<b>9531</b>	<b>9351</b>	<b>9211</b>	<b>9346</b>	<b>9537</b>	<b>9951</b>	<b>10096</b>	<b>10421</b>	<b>10808</b>	<b>10910</b>	
SRev ST-Coal		137	135	156	336	336	526	473	460	465	484	587	595	597	595	586	593	596	598	532	498	488	336	206	
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		29	29	29	29	28	29	29	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	29	28
SRev CCGT-Gas		676	560	602	483	698	717	770	902	812	935	833	834	812	849	887	956	912	859	576	504	470	209	262	

