

**Availability At Daily Maximum Demand Hour**

ST-Coal	1,200	MW
ST-Gas	155	MW
ST-Oil	0	MW
Gas	4,287	MW
Hydro	1,615	MW
Distillate	60	MW
<b>Total TNB</b>	<b>7,317</b>	<b>MW</b>
<b>Total IPP</b>	<b>10,342</b>	<b>MW</b>
<b>Total Co-Gen</b>	<b>83</b>	<b>MW</b>
<b>System Total</b>	<b>18,307</b>	<b>MW</b>

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

At Daily Maximum Demand Hour : 20:00		
TNB Generation	4,076	MW
IPP Generation	7,546	MW
<b>Total Set On Bus</b>	<b>12,595</b>	<b>MW</b>
Maximum Demand	11,655	MW
Spinning Reserve	890	MW
Net Energy	245,008	MWH
Load Factor	87.6	%

**Maximum Demand Record**

<b>Date :</b>	09/05/2011	15,476.0 MW
<b>Date :</b>	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	10446	9894	9613	9137	8954	8750	8712	8733	8578	9527	10397	10901	11000	10802	10993	10990	11029	10818	10583	10591	11655	11622	11339	11087

**Gas Usage**

Station	(mmscfd)
CBPS	33
GLGR	54
PGPS	48
SRDG	2
TJGS	150
<b>TNB Total</b>	<b>286</b>
KLPP	35
MPSS	42
PGLA	98
PLPS	108
SGB3	58
SKSP	47
YPGS	34
YPKA	140
<b>IPP Total</b>	<b>562</b>
<b>Total Gas</b>	<b>848</b>
<b>Total Gas Required :</b>	<b>848</b>
<b>Gas Calorific Value :</b>	<b>38.500</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	26,957.00	11.00 %
Gas	39,107.00	15.96 %
Hydro	11,175.00	4.56 %
<b>Total TNB</b>	<b>77,239.0</b>	<b>31.53 %</b>
ST-Coal	90,647.0	37.00 %
Gas	76,220.0	31.11 %
<b>Total IPP</b>	<b>166,867.0</b>	<b>68.11 %</b>
Co-Gen	2,061.0	0.84 %
<b>Total Co-Gen</b>	<b>2,061.0</b>	<b>0.84 %</b>
<b>Total Generation</b>	<b>246,167.0</b>	<b>100.47 %</b>
PLTG	432.0	0.18 %
HVDC	727.0	0.30 %
<b>Interconnection</b>	<b>1,159.0</b>	<b>0.47 %</b>
<b>Net Energy</b>	<b>245,008.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	226
Hydro	121
Syncon	473
Thermal	58
<b>Total</b>	<b>878</b>

**Weather Temperature**

	Weather	Temperature
Morning	Sunny	27
Afternoon	Hot	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
BSIA	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	13	13	13
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	8	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	8	7	7	7
CEND	HY03	7	7	8	7	8	7	7	7	7	7	7	7	8	7	7	7	7	7	7	7	8	7	7	7
CEND	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	7	7	7
KNRG	HY01	20	18	38	38	37	36	36	36	34	36	37	37	37	35	36	30	37	20	21	21	25	26	22	21
KNRG	HY02	0	0	0	38	38	37	37	37	37	37	37	37	15	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	0	0	0
KNYR	HY01	57	56	59	56	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	98	81	97	97	95	81	94	94	93	75
KNYR	HY02	59	58	63	0	0	0	0	0	0	0	0	0	0	9	97	98	99	98	85	102	101	101	78	82
KNYR	HY04	100	78	102	99	103	93	84	94	47	61	101	96	101	104	104	45	103	98	102	103	62	102	101	100
LPIA	HY01	17	16	16	16	16	16	16	16	16	16	16	16	16	16	17	17	17	17	17	17	15	14	14	13
LPIA	HY02	17	16	16	16	15	16	16	16	16	15	15	15	16	16	16	15	16	15	18	18	17	17	17	17
MNOR	HY01	4	4	4	4	4	4	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5
PGAU	HY01	-1	-1	19	79	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	26	108	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	21	-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	-1	-1	-1	-1	-1	-1	-1	-1	-1
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	30	30	49	50	50	50	50	50
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
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
SYPS	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
SYPS	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
SYPS	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
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	16	16	25	25	25	25	25	25
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	63	41	84	84	84	40	39	40	36	41	41	83	84	84	35	84	41	84	83	38	84	83	53	39
TMGR	HY03	39	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>414</b>	<b>325</b>	<b>450</b>	<b>440</b>	<b>365</b>	<b>309</b>	<b>298</b>	<b>309</b>	<b>256</b>	<b>276</b>	<b>317</b>	<b>354</b>	<b>382</b>	<b>361</b>	<b>363</b>	<b>216</b>	<b>306</b>	<b>252</b>	<b>279</b>	<b>386</b>	<b>375</b>	<b>483</b>	<b>509</b>	
PCUF	CUFG	52	51	50	51	50	52	51	51	50	51	50	48	51	51	51	51	50	51	50	51	50	50	49	50
PCUF	CUFK	30	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	29	29	29
<b>Total Co-Gen</b>		<b>82</b>	<b>82</b>	<b>81</b>	<b>82</b>	<b>81</b>	<b>83</b>	<b>82</b>	<b>82</b>	<b>81</b>	<b>82</b>	<b>81</b>	<b>79</b>	<b>82</b>	<b>82</b>	<b>82</b>	<b>82</b>	<b>81</b>	<b>82</b>	<b>81</b>	<b>82</b>	<b>81</b>	<b>81</b>	<b>82</b>	<b>81</b>
<b>Total Gen</b>		<b>10476</b>	<b>10080</b>	<b>9868</b>	<b>9792</b>	<b>9517</b>	<b>9415</b>	<b>9213</b>	<b>9174</b>	<b>9090</b>	<b>9153</b>	<b>8876</b>	<b>8740</b>	<b>8719</b>	<b>8703</b>	<b>8699</b>	<b>8471</b>	<b>8678</b>	<b>9160</b>	<b>9444</b>	<b>10074</b>	<b>10453</b>	<b>10787</b>	<b>10945</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		31	31	31	31	31	31	31	31	30	30	30	30	30	30	30	29	29	29	29	30	30	30	31	31
TIE-PLTG		-1	12	-57	-12	-127	15	45	31	105	306	96	11	-23	-23	-64	8	70	46	-112	0	27	43	14	
Interconnection		30	43	-26	19	-96	46	76	62	136	336	126	41	7	7	-34	38	100	75	-83	29	56	73	44	
<b>System Total</b>		<b>10446</b>	<b>10037</b>	<b>9894</b>	<b>9773</b>	<b>9613</b>	<b>9369</b>	<b>9137</b>	<b>9112</b>	<b>8954</b>	<b>8817</b>	<b>8750</b>	<b>8699</b>	<b>8712</b>	<b>8696</b>	<b>8733</b>	<b>8433</b>	<b>8578</b>	<b>9085</b>	<b>9527</b>	<b>10045</b>	<b>10397</b>	<b>10714</b>	<b>10901</b>	
SRev ST-Coal		127	127	125	131	117	125	289	287	293	282	336	395	390	393	391	403	393	405	300	276	149	132	42	
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 CCGT-Gas		318	625	798	859	1072	1112	1235	1287	1311	1283	1347	1343	1337	1329	1339	1356	1196	979	924	537	485	276	268	
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

