

**Availability At Daily Maximum Demand Hour**

ST-Coal	1,980 MW
ST-Gas	0 MW
ST-Oil	80 MW
Gas	4,296 MW
Hydro	1,885 MW
Distillate	60 MW
<b>Total TNB</b>	<b>8,301 MW</b>
<b>Total IPP</b>	<b>10,652 MW</b>
<b>Total Co-Gen</b>	<b>57 MW</b>
<b>System Total</b>	<b>19,010 MW</b>

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

At Daily Maximum Demand Hour : 20:30	
TNB Generation	5,205 MW
IPP Generation	6,459 MW
Total Set On Bus	12,577 MW
Maximum Demand	11,839 MW
Spinning Reserve	856 MW
Net Energy	247,792 MWH
Load Factor	87.2 %

**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	10961	10573	10188	9981	9474	9450	9540	9431	9187	9574	10223	10635	10590	10553	10759	10756	10637	10428	10302	11130	11768	11649	11411	11001

**Gas Usage**

Station	(mmscfd)
CBPS	25
GLGR	53
PGPS	38
TJGS	168
<b>TNB Total</b>	<b>284</b>
KLPP	36
MPSS	28
PGLA	71
PLPS	66
SGB3	31
SKSP	42
YPGS	31
YPKA	103
<b>IPP Total</b>	<b>408</b>
<b>Total Gas</b>	<b>692</b>

**Total Gas Required :** 817  
**Gas Calorific Value :** 38,500

**Alternate Fuel Usage**

Station	(mmscfd)
PKLG	125
<b>Total</b>	<b>125</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	44,090.00	17.79 %
Gas	39,234.00	15.83 %
Hydro	14,910.00	6.02 %
<b>Total TNB</b>	<b>98,234.0</b>	<b>39.64 %</b>
ST-Coal	76,669.0	30.94 %
ST-Oil	12,263.0	4.95 %
Gas	54,851.0	22.14 %
<b>Total IPP</b>	<b>143,783.0</b>	<b>58.03 %</b>
Co-Gen	1,507.0	0.61 %
<b>Total Co-Gen</b>	<b>1,507.0</b>	<b>0.61 %</b>
<b>Total Generation</b>	<b>243,524.0</b>	<b>98.28 %</b>
PLTG	40.0	0.02 %
HVDC	-4,308.0	-1.74 %
<b>Interconnection</b>	<b>-4,268.0</b>	<b>-1.72 %</b>
<b>Net Energy</b>	<b>247,792.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	287
Hydro	178
Syncon	389
Thermal	41
<b>Total</b>	<b>896</b>

**Weather Temperature**

	Weather	Temperature
Morning	Sunny	24
Afternoon	Hot	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	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	7	7	6	7	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
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	HY02	23	24	24	39	37	37	37	37	38	38	38	37	37	37	37	37	37	37	37	37	37	37	37	37
KNYR	HY01	55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	55	61	60	97	94	58	67	53	49
KNYR	HY02	59	104	75	81	60	89	61	51	79	58	75	59	101	104	83	82	73	105	57	94	105	103	104	77
KNYR	HY03	57	104	88	72	59	90	64	51	66	58	84	59	101	102	96	89	89	104	58	97	104	101	104	79
KNYR	HY04	57	103	74	80	59	91	62	51	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
LPIA	HY01	19	20	20	20	20	20	19	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
LPIA	HY02	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	21	21	21	21	21
MNOR	HY01	4	4	4	4	4	4	4	4	3	3	3	3	2	2	2	2	2	4	4	4	4	7	7	7
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	130	131	110	81	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	110	112	109	
PGAU	HY03	-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	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	30	0	0	0	0	0	0	0	0	0	0	0	49	50	50	49	39	30	30	30	30	30	30	30
SIHY	HY02	30	0	0	0	0	0	0	0	0	0	0	0	20	50	49	50	40	30	29	29	29	50	30	30
SIHY	HY03	30	0	0	0	0	0	0	0	0	0	0	0	50	50	49	50	50	39	30	0	0	0	0	0
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	25	25	25
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25
TMGR	HY01	-1	80	79	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
TMGR	HY02	38	84	62	69	45	42	41	36	67	38	62	40	85	85	67	64	51	86	38	72	85	85	65	39
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
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>		595	719	601	519	377	447	363	321	345	287	354	291	420	423	377	380	337	419	417	551	610	630	655	555
PCUF	CUFG	33	33	32	33	33	32	31	32	31	31	32	32	31	33	31	32	33	31	31	30	30	32	31	30
PCUF	CUFK	25	24	25	24	24	26	26	26	24	26	25	28	27	29	29	27	28	27	29	28	26	26	26	27
<b>Total Co-Gen</b>		58	57	57	57	57	58	57	58	57	55	58	57	59	60	60	61	60	59	58	59	58	58	57	57
<b>Total Gen</b>		10844	10470	10238	10167	9916	9730	9668	9425	9295	9180	9138	9007	9195	9151	9075	8910	8878	8984	9332	9654	10066	10298	10498	10667
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		-195	-295	-295	-295	-295	-293	-294	-294	-293	-295	-293	-293	-293	-294	-145	-146	-147	-146	-146	-148	-147	-147	-148	-148
TIE-PLTG		78	-18	-40	-24	23	-54	-19	98	114	-18	-17	-5	-53	-66	-63	-32	-16	-29	52	4	-11	-59	9	15
<b>Interconnection</b>		-117	-313	-335	-319	-272	-347	-313	-196	-179	-313	-312	-298	-345	-359	-356	-325	-309	-322	-242	-141	-157	-206	-137	-131
<b>System Total</b>		10961	10783	10573	10486	10188	10077	9981	9621	9474	9493	9450	9305	9540	9510	9431	9235	9187	9306	9574	9795	10223	10504	10635	10798
SRev ST-Coal		34	40	33	16	63	120	165	245	328	330	321	323	321	352	352	360	358	358	361	355	350	248	224	73
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		0	-2	31	31	31	32	1	-3	-3	-2	56	56	56	56	56	56	56	56	30	-2	-2	-2	-2	-2
SRev CCGT-Gas		509	557	284	285	348	537	561	687	757	809	848	844	789	803	817	857	855	823	584	563	228	119	257	259
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

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																								
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																						
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																						
Syncon	625	539	539	625	625	625	625	731	731	731	731	731	731	580	731	731	474	625	625	625	474	625	580	580	429	429	429	580	580	731	731	731	731	731	731	731	323	323	323	323	323	323	323	323	474			
Hydro	365	72	190	186	328	108	192	234	104	162	95	158	29	26	72	210	102	20	329	94	85	65	191	140	186	80	242	403	249	63	212	229	175	249	262	259	264	201	306	260	216	202	310	248	421	421	428	35
<b>S.Reserve Total</b>	<b>1533</b>	<b>1206</b>	<b>1077</b>	<b>1143</b>	<b>1395</b>	<b>1422</b>	<b>1544</b>	<b>1788</b>	<b>1917</b>	<b>2030</b>	<b>2051</b>	<b>2112</b>	<b>1926</b>	<b>1968</b>	<b>2028</b>	<b>2063</b>	<b>2102</b>	<b>1988</b>	<b>1778</b>	<b>1635</b>	<b>1286</b>	<b>1055</b>	<b>1144</b>	<b>1095</b>	<b>1114</b>	<b>996</b>	<b>1040</b>	<b>1304</b>	<b>1174</b>	<b>1112</b>	<b>1257</b>	<b>1423</b>	<b>1355</b>	<b>1610</b>	<b>1801</b>	<b>1799</b>	<b>1905</b>	<b>1734</b>	<b>1359</b>	<b>1013</b>	<b>898</b>	<b>856</b>	<b>1003</b>	<b>938</b>	<b>1205</b>	<b>1478</b>	<b>1637</b>	<b>1712</b>