

**Availability At Daily Maximum Demand Hour**

ST-Coal	1,980 MW
ST-Gas	150 MW
ST-Oil	0 MW
Gas	4,578 MW
Hydro	1,662 MW
Distillate	60 MW
<b>Total TNB</b>	<b>8,430 MW</b>
<b>Total IPP</b>	<b>10,532 MW</b>
<b>Total Co-Gen</b>	<b>78 MW</b>
<b>System Total</b>	<b>19,590 MW</b>

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

At Daily Maximum Demand Hour : 14:30

TNB Generation	6,047 MW
IPP Generation	8,513 MW
Total Set On Bus	15,540 MW
Maximum Demand	14,587 MW
Spinning Reserve	902 MW
Net Energy	299,295 MWH
Load Factor	85.5 %

**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	11538	11105	10687	10380	10176	9912	10131	10677	10952	12665	13633	14195	14138	13870	14470	14581	14458	14209	13318	13073	13598	13206	12603	12119

**Gas Usage**

Station	(mmscfd)
CBPS	48
GLGR	55
PAKA	45
PGPS	49
SRDG	17
TJGS	219
<b>TNB Total</b>	<b>432</b>
KLPP	101
MPSS	51
PGLA	90
PLPS	107
SGRI	145
YPGS	69
YPKA	103
<b>IPP Total</b>	<b>667</b>
<b>Total Gas</b>	<b>1,099</b>
<b>Total Gas Required :</b>	<b>1,099</b>
<b>Gas Calorific Value :</b>	<b>38,500</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	47,000.00	15.70 %
Gas	57,506.00	19.21 %
Hydro	15,378.00	5.14 %
<b>Total TNB</b>	<b>119,884.0</b>	<b>40.06 %</b>
ST-Coal	91,975.0	30.73 %
Gas	86,151.0	28.78 %
<b>Total IPP</b>	<b>178,126.0</b>	<b>59.52 %</b>
Co-Gen	2,097.0	0.70 %
<b>Total Co-Gen</b>	<b>2,097.0</b>	<b>0.70 %</b>
<b>Total Generation</b>	<b>300,107.0</b>	<b>100.27 %</b>
PLTG	-48.0	-0.02 %
HVDC	860.0	0.29 %
<b>Interconnection</b>	<b>812.0</b>	<b>0.27 %</b>
<b>Net Energy</b>	<b>299,295.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	364
Hydro	247
Syncon	243
Thermal	48
<b>Total</b>	<b>902</b>

**Weather Temperature**

Weather	Temperature
Morning	Sunny 28
Afternoon	Rainy 27





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																													
<b>Total Gen</b>		11510	11159	11082	10709	10754	10419	10489	10240	10259	10147	10044	10185	10178	10411	10622	10629	11052	11997	12723	13194	13673	13871	14184	14248	14198	14024	13872	14150	14395	14638	14629	14513	14549	14532	14226	13781	13317	13049	13067	13567	13684	13654	13335	13227	12654	12642	12200	12052					
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	0			
TIE-HVDC		31	29	31	31	29	31	30	30	30	30	30	30	30	30	29	29	30	30	31	31	29	29	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	100	100	100	100	30	31	31	29					
TIE-PLTG		-59	96	-54	22	38	-32	79	-3	53	14	102	81	17	-10	-85	101	70	31	29	16	10	-2	-42	-106	31	-24	-28	37	-105	21	18	38	61	6	-13	-19	-31	-121	-36	4	-14	-27	29	-12	21	-68	50	-15					
<b>Interconnection</b>		-28	125	-23	53	67	-1	109	27	83	44	132	111	47	20	-55	131	100	61	58	45	40	28	-11	-75	60	5	2	67	-75	51	48	68	91	36	17	11	-1	-91	-6	34	86	73	129	88	51	-37	81	14					
<b>System Total</b>		11538	11034	11105	10656	10687	10420	10380	10213	10176	10103	9912	10074	10131	10391	10677	10498	10952	11936	12665	13149	13633	13843	14195	14323	14138	14019	13870	14083	14470	14587	14581	14445	14458	14496	14209	13770	13318	13140	13073	13533	13598	13581	13206	13139	12603	12679	12119	12038					
SRev ST-Coal		54	66	73	107	189	339	423	481	546	543	551	541	543	455	420	257	294	95	76	79	74	31	22	43	48	43	46	55	44	62	55	61	51	61	52	45	58	45	60	63	57	63	57	56	60	50	70	69					
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	0		
SRev CCGT-Gas		1381	1550	1638	1721	1672	1736	1665	1756	1680	1734	1759	1728	1743	1615	1530	1651	1538	978	562	535	434	359	324	317	379	334	430	432	378	281	291	334	302	318	292	275	645	782	682	426	382	254	234	334	760	964	1159	1478					
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	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 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	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 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	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		434	434	585	585	434	585	434	585	736	651	651	651	651	651	501	500	540	540	540	238	238	323	323	172	474	474	172	172	172	172	172	172	172	172	172	172	474	625	625	474	172	172	172	474	474	474	625	474	323				
Hydro		137	310	145	127	155	127	191	139	124	155	157	151	146	124	45	81	218	213	253	149	246	233	236	175	315	107	157	252	193	270	293	243	335	333	347	166	92	96	318	350	417	359	352	275	417	83	271	229					
<b>S.Reserve Total</b>		2006	2360	2441	2540	2450	2787	2713	2961	3086	3083	3118	3071	3083	2845	2646	2490	2550	1826	1431	1303	992	861	945	899	954	1083	1233	951	865	902	1007	1002	932	955	963	960	1420	1548	1534	1011	1028	848	1117	1139	1711	1722	1974	2099					