

**Availability At Daily Maximum Demand Hour**

ST-Coal	1,200 MW
ST-Gas	0 MW
ST-Oil	155 MW
Gas	3,982 MW
Hydro	1,513 MW
Distillate	60 MW
<b>Total TNB</b>	<b>6,910 MW</b>
<b>Total IPP</b>	<b>10,112 MW</b>
<b>Total Co-Gen</b>	<b>53 MW</b>
<b>System Total</b>	<b>17,075 MW</b>

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

At Daily Maximum Demand Hour : 19:30	
TNB Generation	4,992 MW
IPP Generation	8,011 MW
Total Set On Bus	13,915 MW
Maximum Demand	13,121 MW
Spinning Reserve	854 MW
Net Energy	284,828 MWH
Load Factor	90.4 %

**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	12269	11658	11203	10801	10548	10458	10394	10254	10219	11667	12293	13051	13030	12529	12793	12726	12672	12422	11890	12189	13042	12949	12628	12384

**Gas Usage**

Station	(mmscfd)
GLGR	31
PAKA	186
PGPS	49
SRDG	14
TJGS	63
<b>TNB Total</b>	<b>343</b>
KLPP	4
MPSS	48
PGLA	53
PLPS	4
SGB3	82
SGRI	78
SKSP	50
YPGS	33
YPKA	141
<b>IPP Total</b>	<b>493</b>
<b>Total Gas</b>	<b>836</b>

Total Gas Required : 1,081  
Gas Calorific Value : 38.500

**Alternate Fuel Usage**

Station	(mmscfd)
PGLA	1
PGPS	33
PKLG	129
SGB3	3
TJGS	79
<b>Total</b>	<b>245</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	27,335.00	9.60 %
ST-Oil	3,071.00	1.08 %
Gas	42,772.00	15.02 %
Hydro	17,260.00	6.06 %
Distillate	12,244.00	4.30 %
<b>Total TNB</b>	<b>102,682.0</b>	<b>36.05 %</b>
ST-Coal	99,981.0	35.10 %
ST-Oil	12,632.0	4.43 %
Gas	66,768.0	23.44 %
Distillate	555.0	0.19 %
<b>Total IPP</b>	<b>179,936.0</b>	<b>63.17 %</b>
Co-Gen	1,750.0	0.61 %
<b>Total Co-Gen</b>	<b>1,750.0</b>	<b>0.61 %</b>
<b>Total Generation</b>	<b>284,368.0</b>	<b>99.84 %</b>
PLTG	233.0	0.08 %
HVDC	-693.0	-0.24 %
<b>Interconnection</b>	<b>-460.0</b>	<b>-0.16 %</b>
<b>Net Energy</b>	<b>284,828.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	310
Hydro	169
Syncon	264
Thermal	30
<b>Total</b>	<b>772</b>

**Weather Temperature**

Weather	Temperature
Morning	Sunny 29
Afternoon	Hot 34





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	2400	2500	2600	2700	2800	2900	3000																		
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	4	4	4	4	4	4	4	0	0	0	0	0	0												
<b>Total Hydro</b>		385	381	489	488	425	488	487	617	469	422	384	381	311	376	231	361	417	642	638	726	737	876	1059	968	962	640	670	733	831	969	865	893	800	822	753	540	563	485	869	1278	1164	1229	1163	1155	989	985	906	769	
PGLA	GT11	220	186	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		
SGB3	GT31	122	122	122	122	99	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		
TJGS	GT2A	226	226	226	227	226	226	226	183	190	228	226	226	226	225	218	131	131	130	169	225	226	226	225	225	226	225	224	222	223	222	224	222	222	222	223	154	41	0	0	0	0	0	0	0	0	0	0	0	
TJGS	GT2B	223	223	223	222	224	223	224	180	186	225	221	223	225	224	218	128	129	128	167	224	222	222	225	223	224	224	223	223	223	223	223	224	221	222	148	118	118	39	0	0	0	0	0	0	0	0	0	0	
TJGS	ST2C	246	246	246	247	246	246	245	223	224	243	247	247	246	248	246	191	193	193	218	244	248	247	243	249	246	247	247	247	245	246	248	227	79	177	96	0	0	0	0	0	0	0	0	0	0	0			
<b>Total Distillate</b>		1037	1003	817	818	795	695	695	586	600	696	694	696	697	697	682	450	453	451	554	693	696	695	693	697	696	696	694	691	692	692	694	692	691	689	693	529	238	295	135	0	0	0	0	0	0	0	0	0	0
PCUF	CUFQ	51	50	54	52	53	51	54	50	50	53	52	49	53	52	52	52	51	52	52	51	51	30	23	23	23	23	24	24	25	24	24	24	25	25	24	24	25	25	25	25	26	25	25	25	25	24			
PCUF	CUFK	35	35	36	36	35	35	34	34	36	36	35	35	37	36	36	36	32	32	29	29	27	27	27	27	28	28	28	28	33	33	36	36	31	31	32	32	31	31	34	34	34	34	34	33	33	34	34		
<b>Total Co-Gen</b>		86	85	90	88	88	86	88	84	86	86	88	87	86	89	88	88	85	84	81	81	78	79	79	78	79	58	51	51	56	56	59	60	55	56	56	56	56	56	58	58	59	59	60	58	58	59	58		
<b>Total Gen</b>		12245	11756	11534	11447	11211	10922	10746	10733	10519	10622	10450	10461	10401	10470	10240	10072	10237	10917	11492	11901	12351	12697	12982	13051	13033	12668	12623	12608	12707	12872	12783	12803	12706	12646	12406	11934	11834	11806	12198	13061	12956	12919	12957	12702	12579	12531	12375	12235	
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
TIE-HVDC		-29	-29	-28	-28	-30	-30	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-28	-28	-28	-28	-29	-29	-28	-29	-29	-29	-30	-28	-28	-28	-28			
TIE-PLTG		5	9	-101	-46	38	1	-26	-83	1	-30	21	33	36	52	15	10	47	-47	-146	-92	87	52	-40	42	32	54	123	-49	-57	-17	86	69	63	67	12	-113	-28	-12	38	-31	-58	6	37	-4	-19	-50	19	51	
<b>Interconnection</b>		-24	-20	-129	-74	8	-29	-55	-112	-29	-60	-8	4	7	23	-14	-19	18	-76	-175	-121	58	23	-69	13	3	25	94	-78	-86	-46	57	40	34	38	-16	-141	-56	-40	9	-60	-86	-23	8	-33	-49	-78	-9	23	
<b>System Total</b>		12269	11776	11663	11521	11203	10951	10801	10845	10548	10682	10458	10457	10394	10447	10254	10091	10219	10993	11667	12022	12293	12674	13051	13038	13030	12643	12529	12686	12793	12918	12726	12763	12672	12608	12422	12075	11890	11846	12189	13121	13042	12942	12949	12735	12628	12609	12384	12212	
SRev ST-Coal		82	74	66	78	65	73	77	133	142	140	164	149	151	150	212	292	300	131	9	25	34	36	34	45	53	25	37	25	28	27	28	32	30	36	30	32	30	40	33	33	39	45	46	30	32	23	27	25	
SRev ST-Oil		4	3	3	7	8	6	5	6	6	5	5	6	5	6	6	4	4	3	2	2	2	2	3	2	1	2	2	4	5	3	3	5	4	6	9	8	6	7	10	12	16	11	14	2	2	3	8	3	
SRev CCGT-Gas		173	543	590	308	305	668	609	581	657	679	797	798	787	786	793	780	660	401	234	586	403	194	170	158	163	164	196	212	216	189	178	179	180	158	336	430	266	492	360	409	517	672	484	648	554	606	675	684	
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
SRev Distillate		33	67	23	22	45	5	5	114	100	4	6	4	3	3	18	250	247	249	146	7	4	5	7	3	4	4	6	9	8	8	6	8	9	11	7	171	462	175	335	0	0	0	0	0	0	0	0	0	
SRev Co-Gen		-5	-4	-6	-5	-4	-4	-4	-5	-5	-6	-3	-4	-8	-5	-5	-4	1	-2	-1	-2	-2	-2	-3	-4	-4	-6	-3	-4	-9	-6	-8	-7	0	-2	-6	-5	-2	-4	-7	-5	-4	-5	-4	-5	-4	-3	-5	-6	
Syncon		625	625	625	625	625	625	625	474	625	625	625	625	625	625	731	731	625	323	474	474	237	388	237	237	237	539	539	539	388	237	237	388	539	539	539	539	539	539	539	237	151	151	151	151	151	302	302	302	302
Hydro		156	161	53	53	116	53	54	75	72	119	157	160	230	165	204	75	124	201	54	63	389	149	167	283	289	309	204	141	194	282	386	207	149	127	196	184	161	239	182	84	198	133	191	199	214	218	197	184	
<b>S.Reserve Total</b>		1068	1469	1354	1088	1160	1426	1371	1378	1597	1566	1751	1738	1793	1730	1959	2128	1961	1306	918	1155	1067	772	776	840	859	1201	1057	961	862	775	865	847	946	875	1111	1359	1462	1488	1150	854	1012	1138	968	1093	1105	1154	1209	1197	