

**Availability At Daily Maximum Demand Hour**

ST-Coal	1,640 MW
ST-Gas	155 MW
ST-Oil	0 MW
Gas	3,661 MW
Hydro	1,871 MW
Distillate	60 MW
<b>Total TNB</b>	<b>7,387 MW</b>
<b>Total IPP</b>	<b>11,320 MW</b>
<b>Total Co-Gen</b>	<b>77 MW</b>
<b>System Total</b>	<b>18,784 MW</b>

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

At Daily Maximum Demand Hour : 16:00

TNB Generation	4,632 MW
IPP Generation	9,050 MW
Total Set On Bus	14,873 MW
Maximum Demand	13,771 MW
Spinning Reserve	1,114 MW
Net Energy	291,393 MWH
Load Factor	88.2 %

**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	11319	10799	10410	9949	10038	9904	9998	10147	10616	12252	12753	13641	13595	13117	13351	13746	13771	13393	12636	13072	13253	12916	12565	12114

**Gas Usage**

Station	(mmscfd)
CBPS	51
GLGR	53
PAKA	129
SRDG	12
TJGS	95
<b>TNB Total</b>	<b>340</b>
KLPP	111
MPSS	26
PGLA	54
PLPS	102
SGB3	80
SGRI	92
SKSP	47
YPGS	62
YPKA	131
<b>IPP Total</b>	<b>707</b>
<b>Total Gas</b>	<b>1,047</b>

Total Gas Required : 1,094  
Gas Calorific Value : 38,500

**Alternate Fuel Usage**

Station	(mmscfd)
PKLG	47
<b>Total</b>	<b>47</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	38,653.00	13.26 %
Gas	44,868.00	15.40 %
Hydro	13,580.00	4.66 %
<b>Total TNB</b>	<b>97,101.0</b>	<b>33.32 %</b>
ST-Coal	93,161.0	31.97 %
ST-Oil	4,503.0	1.55 %
Gas	93,742.0	32.17 %
<b>Total IPP</b>	<b>191,406.0</b>	<b>65.69 %</b>
Co-Gen	2,119.0	0.73 %
<b>Total Co-Gen</b>	<b>2,119.0</b>	<b>0.73 %</b>
<b>Total Generation</b>	<b>290,626.0</b>	<b>99.74 %</b>
PLTG	-62.0	-0.02 %
HVDC	-705.0	-0.24 %
<b>Interconnection</b>	<b>-767.0</b>	<b>-0.26 %</b>
<b>Net Energy</b>	<b>291,393.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	316
Hydro	127
Syncon	510
Thermal	51
<b>Total</b>	<b>1004</b>

**Weather Temperature**

	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
YPGS	GT12	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135
YPGS	ST10	141	141	140	140	138	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140
YPKA	BLK1	352	353	352	352	352	351	351	353	353	354	354	354	354	354	354	354	354	354	354	354	354	354	354	354
YPKA	BLK2	380	381	381	381	378	378	378	381	381	381	382	382	384	384	383	384	380	382	384	384	382	383	383	381
PLPS	GT11	134	115	115	115	70	70	70	70	70	70	70	70	70	70	70	141	141	141	141	141	141	141	141	141
PLPS	GT12	151	120	120	120	120	71	71	71	71	71	71	71	71	71	144	144	144	144	144	144	144	144	144	144
PLPS	GT13	148	101	102	103	102	102	101	64	63	64	64	62	64	63	63	65	149	146	146	145	145	144	144	142
PLPS	ST18	209	209	209	209	187	187	165	165	145	145	145	145	145	145	145	213	213	213	213	213	213	213	213	213
SKSP	BLK1	214	208	215	213	214	215	211	214	250	212	258	215	240	231	214	236	270	247	235	299	315	314	338	315
TJGS	GT2A	218	216	206	125	125	124	125	125	126	125	124	125	125	125	125	221	220	218	217	215	214	214	213	213
TJGS	GT2B	214	214	198	119	119	119	118	118	118	119	119	119	119	119	210	214	216	214	211	211	210	211	211	211
TJGS	ST2C	259	259	249	208	207	207	207	207	206	206	207	207	207	207	259	259	259	259	259	259	259	259	259	259
Total CCGT-Gas		5467	5135	4901	4752	4834	4876	4749	4722	4746	4696	4764	4712	4739	4781	4760	4778	4827	5592	6064	6335	6587	6656	6815	6680
SRDG	GT04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	93	95	129	129	130	
SRDG	GT05	0	0	0	0	0	0	0	0	0	0	0	0	130	128	127	129	129	132	129	98	89	127	126	
Total OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	130	128	127	129	129	132	129	191	184	256	255	
BSIA	HY01	21	21	12	12	12	12	13	12	13	13	13	13	12	12	12	12	12	12	12	12	12	12	12	12
BSIA	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
CEND	HY01	10	10	10	10	10	9	10	10	10	10	10	9	9	10	10	9	9	9	8	8	7	7	7	7
CEND	HY02	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	7	8	8	7	7	7
CEND	HY03	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	7	8	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	38	38	24	23	22	24	22	24	22	24	23	24	23	24	34	34	34	35	35	21	20	20	21	21
KNYR	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
KNYR	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
KNYR	HY03	99	70	70	70	70	61	61	60	60	60	58	100	100	102	60	60	60	60	60	60	60	61	61	61
KNYR	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LPLA	HY02	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
MNOR	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	3	3	4	4
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	21	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY03	-1	-1	-1	-1	-1	-1	-1	-1	18	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY04	-1	-1	-1	-1	-1	20	-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	0	0	0	0	50	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	50	50	50	50	50	50
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	25	25	25	25	25	25
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	25
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	36	40	42	38	35	43	37	36	82	33	82	39	54	49	39	74	37	34	35	40	39	40	51	39
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
Total Hydro		253	228	207	224	198	228	191	190	238	205	238	191	304	324	253	226	186	182	396	404	404	785	797	884
PCUF	CUFG	50	51	51	51	51	50	52	52	50	51	52	52	53	52	53	52	52	53	51	51	49	49	49	50
PCUF	CUFK	31	33	32	31	33	32	32	31	33	33	33	33	33	32	34	34	34	34	32	32	31	34	33	34

### Daily MW Generation On Friday

04-Nov-2011

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 Co-Gen</b>	81	84	83	82	84	83	82	84	83	83	84	84	85	84	83	83	82	82	82	80	78	81	79	77	77	79	78	78	78	79	79	81	83	81	82	83	79	81	80													
<b>Total Gen</b>	11357	11006	10717	10504	10455	10330	10017	9960	9922	9806	9790	9774	9939	10173	10171	10180	10635	11493	12229	12485	12747	13197	13594	13668	13523	13291	13053	13096	13282	13528	13708	13723	13759	13742	13353	13009	12685	12652	12952	13245	13214	13226	13021	12704	12612	12209	12033	11671				
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				
TIE-HVDC	-30	-30	-30	-30	-28	-30	-30	-29	-29	-29	-29	-29	-29	-29	-28	-28	-29	-28	-30	-31	-29	-31	-30	-30	-29	-28	-29	-31	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-30	-30	-30	-30	-29	-29	-29	-29			
TIE-PLTG	68	105	-52	57	73	-31	98	28	-87	130	-85	32	-30	-10	53	1	47	91	5	-16	25	-19	-16	-28	-42	-22	-36	26	-38	-51	-8	4	17	41	-11	-8	78	-5	-91	-40	-10	19	135	61	77	-27	-51	98				
Interconnection	38	75	-82	27	45	-61	68	-1	-116	101	-114	3	-59	-39	24	-27	19	62	-23	-46	-6	-48	-47	-58	-72	-51	-64	-3	-69	-81	-38	-26	-12	12	-40	-37	49	-34	-120	-69	-39	-11	105	31	47	-57	-81	69				
<b>System Total</b>	11319	10931	10799	10477	10410	10391	9949	9961	10038	9705	9904	9771	9998	10212	10147	10207	10616	11431	12252	12531	12753	13245	13641	13726	13595	13342	13117	13099	13351	13609	13746	13749	13771	13730	13393	13046	12636	12686	13072	13314	13253	13237	12916	12673	12565	12266	12114	11602				
SRev ST-Coal	38	30	58	140	247	355	364	374	375	380	403	396	399	361	367	354	119	73	20	42	32	33	41	37	46	49	50	17	23	26	-23	40	31	-24	40	15	24	47	29	32	23	41	34	29	29	115	107	106				
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 ST-Oil	57	56	56	57	57	57	57	57	57	57	57	57	57	57	57	56	56	57	57	57	57	57	57	57	57	56	56	57	29	29	29	29	28	28	28	28	28	29	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRev CCGT-Gas	503	835	1069	1218	1316	1384	1544	1571	1547	1597	1529	1581	1554	1512	1533	1515	1493	868	536	565	383	314	155	290	264	324	182	260	185	314	198	304	329	344	449	576	877	1025	678	202	244	239	421	516	593	672	852	1049				
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	
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
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	
Syncon	642	642	642	491	642	491	642	642	642	641	642	642	340	491	491	642	642	642	541	541	541	541	541	238	540	541	642	541	776	389	626	475	474	776	727	727	727	727	727	727	727	727	727	576	727	727	727	727	576	727		
Hydro	59	84	105	239	114	235	121	122	74	258	74	121	310	134	205	81	121	125	167	159	159	78	66	367	105	55	47	59	25	182	78	153	246	86	81	134	138	136	124	132	132	260	137	135	151	141	257	128				
<b>S.Reserve Total</b>	1304	1652	1935	2150	2381	2527	2733	2771	2700	2938	2710	2802	2665	2565	2663	2658	2441	1775	1326	1369	1177	1028	865	996	1015	1026	978	932	1039	1009	984	1005	1114	1215	1472	1480	1794	1964	1558	1093	1126	1116	1319	1407	1500	1655	1792	2010				