

**Availability At Daily Maximum Demand Hour**

ST-Coal	2,050 MW
ST-Gas	0 MW
ST-Oil	140 MW
Gas	4,031 MW
Hydro	1,833 MW
Distillate	0 MW
<b>Total TNB</b>	<b>8,054 MW</b>
<b>Total IPP</b>	<b>11,122 MW</b>
<b>Total Co-Gen</b>	<b>89 MW</b>
<b>System Total</b>	<b>19,265 MW</b>

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

At Daily Maximum Demand Hour : 14:30	
TNB Generation	5,802 MW
IPP Generation	9,082 MW
Total Set On Bus	16,172 MW
Maximum Demand	14,936 MW
Spinning Reserve	1,199 MW
Net Energy	309,705 MWH
Load Factor	86.4 %

**Maximum Demand Record**

Date :	20/06/2012	15,826.0 MW
Date :	20/06/2012	328,716.0 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	11990	11454	11274	10779	10567	10360	10536	10726	11141	12950	13879	14648	14682	14328	14839	14933	14738	14369	13410	13417	14129	13846	13196	12998

**Gas Usage**

Station	(mmscfd)
CBPS	48
GLGR	57
PAKA	95
PGPS	26
SRDG	31
TIGS	209
<b>TNB Total</b>	<b>466</b>
KLPP	109
MPSS	54
PDPS	11
PGLA	93
PKLG	7
PLPS	114
PTEK	8
SGB3	78
SGRI	42
SKSP	53
YPKA	138
<b>IPP Total</b>	<b>705</b>
<b>Total Gas</b>	<b>1,171</b>

Total Gas Required : 1,171  
Gas Calorific Value : 38,500

**Generation Mix**

Type	MWh	Percentage
ST-Coal	48,958.00	15.81 %
Gas	60,327.00	19.48 %
Hydro	8,140.00	2.63 %
<b>Total TNB</b>	<b>117,425.0</b>	<b>37.92 %</b>
ST-Coal	99,875.0	32.25 %
ST-Oil	266.0	0.09 %
Gas	90,499.0	29.22 %
<b>Total IPP</b>	<b>190,640.0</b>	<b>61.56 %</b>
Co-Gen	2,159.0	0.70 %
<b>Total Co-Gen</b>	<b>2,159.0</b>	<b>0.70 %</b>
<b>Total Generation</b>	<b>310,224.0</b>	<b>100.17 %</b>
PLTG	-205.0	-0.07 %
HVDC	724.0	0.23 %
<b>Interconnection</b>	<b>519.0</b>	<b>0.17 %</b>
<b>Net Energy</b>	<b>309,705.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	324
Hydro	176
Syncon	517
Thermal	-2
<b>Total</b>	<b>1016</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																										
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																										
UPIA	HY01	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6																										
Total Hydro		234	223	257	238	252	230	232	257	235	218	238	249	245	282	239	253	237	217	453	532	409	617	859	820	515	485	394	407	678	831	437	308	208	382	202	201	178	215	209	469	459	374	253	197	199	202	197	223		
PCUF	CUPG	52	51	52	52	52	52	54	53	52	52	51	52	53	51	51	53	52	52	51	51	51	52	52	51	52	52	51	52	53	51	52	54	50	50	52	52	52	52	52	52	52	52	52	52	52	52	52			
PCUF	CUPK	35	34	34	34	34	34	34	36	34	34	35	35	35	34	34	35	36	34	33	32	31	32	31	31	29	29	28	28	26	36	37	37	32	27	27	27	27	26	26	26	27	32	31	30	31	30	32	33		
Total Co-Gen		87	85	86	86	86	86	88	89	86	86	86	87	88	85	85	88	88	86	84	83	82	84	82	82	81	81	79	79	77	89	88	89	83	79	79	78	79	79	77	78	81	82	81	82	83	82	84	85		
Total Gen		12030	11729	11476	11124	11239	10951	10817	10653	10631	10484	10394	10411	10447	10704	10713	10795	11171	12291	12930	13660	13880	14324	14708	14940	14682	14543	14402	14538	14814	14973	14912	14764	14642	14754	14394	14002	13466	13166	13455	14119	14092	13965	13890	13731	13348	13194	12989	12574		
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		30	30	31	31	31	30	30	31	31	30	29	30	29	31	31	31	29	29	29	31	31	29	31	29	31	29	31	31	30	31	31	30	31	31	30	30	31	31	29	29	30	30	30	29	30	29	30			
TIE-PLTG		10	25	-9	42	-66	24	8	85	33	131	4	-119	32	-42	-88	-1	-71	-51	67	-28	-13	29	-10	-59	21	45	-18	-54	8	-51	-52	-127	-13	-6	131	25	-86	8	-71	-68	64	15	92	122	27	-38	-55			
Interconnection		40	55	22	73	-35	55	38	115	64	162	34	30	-89	62	-13	-57	30	-40	-20	96	1	16	60	21	-30	52	74	13	-25	37	-21	-21	-96	17	25	162	56	-56	38	-40	-37	93	44	122	152	57	-9	-25		
System Total		11990	11674	11454	11051	11274	10896	10779	10538	10567	10322	10360	10381	10536	10642	10726	10852	11141	12331	12950	13564	13879	14308	14648	14919	14682	14491	14328	14525	14839	14936	14933	14785	14738	14737	14369	13840	13410	13222	13417	14159	14129	13872	13846	13609	13196	13137	12998	12599		
SRev ST-Coal		51	40	-2	22	41	39	75	56	37	177	304	293	282	315	219	16	7	11	-11	-20	31	54	7	10	2	12	6	6	4	23	-28	6	-49	45	13	2	2	-2	-17	-1	2	1	-85	-34	-4	-3	25	8		
SRev ST-Oil		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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		396	619	804	1123	1003	1271	1373	1582	1718	1708	1691	1557	1529	1413	1444	1485	1222	676	663	494	313	254	330	262	257	273	342	269	278	396	220	263	236	223	322	519	1067	909	537	127	235	366	425	248	434	469	383	592		
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	56	2	103	37	13	138	81	66	37	37	134	70	125	135	57	13	-2	-2	-3	-3	-2	-3	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
Syncon		726	726	575	726	726	726	575	726	726	726	726	726	726	575	424	575	575	424	424	575	575	726	726	575	424	575	726	726	424	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726		
Hydro		117	128	245	113	99	121	119	245	116	133	113	102	106	220	112	98	114	134	149	271	243	135	299	338	237	267	207	194	224	222	265	143	143	271	149	130	173	136	142	132	142	177	148	154	132	149	154	128		
S.Reserve Total		1290	1513	1622	1984	1869	2157	2293	2458	2597	2744	2834	2678	2643	2523	2501	2325	2069	1547	1376	1225	1164	1121	1097	1047	1209	1208	1347	1232	1118	1199	1102	1263	1191	1020	1223	1395	1966	1766	1385	982	1102	1270	1214	1094	1308	1341	1288	1454		