

Availability At Daily Maximum Demand Hour

ST-Coal	2,070 MW
ST-Gas	0 MW
ST-Oil	140 MW
Gas	3,115 MW
Hydro	1,748 MW
Distillate	0 MW
Total TNB	7,073 MW
Total IPP	10,279 MW
Total Co-Gen	29 MW
System Total	17,381 MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 21:00	
TNB Generation	4,533 MW
IPP Generation	8,605 MW
Total Set On Bus	14,080 MW
Maximum Demand	13,226 MW
Spinning Reserve	913 MW
Net Energy	281,544 MWH
Load Factor	88.7 %

Maximum Demand Record

Date :	19/03/2013	16,133.0 MW
Date :	20/03/2013	333,019.0 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	12610	12129	11863	11347	10920	10727	10640	10453	9810	10279	10985	11641	11739	11904	12168	12252	12171	11954	11624	11839	13194	13226	13205	12921

Gas Usage

Station	(mmscfd)
CBPS	45
GLGR	56
PAKA	58
PGPS	37
SRDG	9
TNB Total	205
KLPP	101
MPSS	44
PGLA	111
PLPS	107
SGRI	220
YPGS	31
YPKA	95
IPP Total	710
Total Gas	915

Total Gas Required : 996
Gas Calorific Value : 38.500

Alternate Fuel Usage

Station	(mmscfd)
PGPS	14
PKLG	67
Total	81

Generation Mix

Type	MWh	Percentage
ST-Coal	49,235.00	17.49 %
ST-Oil	1,325.00	0.47 %
Gas	23,717.00	8.42 %
Hydro	13,430.00	4.77 %
Total TNB	87,707.0	31.15 %
ST-Coal	92,184.0	32.74 %
ST-Gas	180.0	0.06 %
ST-Oil	6,499.0	2.31 %
Gas	93,079.0	33.06 %
Total IPP	191,942.0	68.17 %
Co-Gen	869.0	0.31 %
Total Co-Gen	869.0	0.31 %
Total Generation	280,518.0	99.64 %
PLTG	-328.0	-0.12 %
HVDC	-698.0	-0.25 %
Interconnection	-1,026.0	-0.36 %
Net Energy	281,544.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	250
Hydro	220
Syncon	290
Thermal	9
Total	769

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																									
Interconnection		64	-109	35	-27	35	23	-17	-4	18	-34	36	-32	-2	-4	41	35	-51	2	-47	-110	-30	-81	-86	-164	-84	-94	-76	-141	-129	-102	-82	-62	4	-52	-24	-126	-48	-18	23	-76	-109	-74	-59	-72	-147	-113	-38	10	
System Total		12610	12575	12129	12084	11863	11580	11347	11209	10920	10922	10727	10768	10640	10549	10453	9930	9810	10072	10279	10805	10985	11503	11641	11975	11739	11965	11904	12080	12168	12305	12252	12225	12171	12082	11954	11745	11624	11520	11839	12710	13194	13179	13226	13198	13205	13090	12921	12547	
SRev ST-Coal		9	8	18	13	16	4	15	12	6	8	22	113	93	152	150	238	447	443	438	167	2	9	14	4	14	1	18	7	3	14	6	6	3	3	21	13	-53	21	24	6	2	0	9	3	19	7	18	16	
SRev ST-Oil		-6	-5	-5	-4	-4	-4	-5	-5	-4	27	27	27	27	29	29	29	28	29	6	6	7	8	12	10	22	15	6	4	4	3	-5	-5	-6	-7	-7	-6	-7	-8	-6	22	-6	1	-31	1	-12	6	3		
SRev CCGT-Gas		365	252	485	226	306	429	694	818	1079	1060	1124	966	1078	1094	1080	1312	1226	1039	1078	959	989	542	445	234	422	211	369	313	254	353	284	275	198	316	358	757	862	987	617	308	313	396	296	312	282	345	346	420	
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 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
Syncon		626	626	475	475	626	626	626	626	626	626	626	626	626	475	586	737	626	626	625	539	539	539	539	388	539	539	388	474	323	474	474	474	625	625	776	776	776	776	474	237	388	474	474	625	625	625	625		
Hydro		132	102	172	292	130	134	129	155	148	122	138	118	125	125	257	253	183	278	128	126	121	118	135	111	260	123	119	245	209	244	187	96	162	96	103	108	112	100	110	269	209	108	128	192	141	153	143	118	
S.Reserve Total		1126	983	1145	1002	1174	1189	1459	1586	1855	1843	1937	1850	1949	2024	1991	2418	2622	2414	2299	1883	1657	1215	1141	900	1094	896	1060	959	944	938	960	852	836	1036	1100	1647	1691	1877	1519	1051	787	894	913	955	1073	1304	1138	1184	