

Availability At Daily Maximum Demand Hour

ST-Coal	1,380 MW
ST-Gas	70 MW
ST-Oil	0 MW
Gas	3,717 MW
Hydro	1,789 MW
Distillate	0 MW
Total TNB	6,956 MW
Total IPP	10,626 MW
Total Co-Gen	58 MW
System Total	17,640 MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 00:00	
TNB Generation	4,208 MW
IPP Generation	8,062 MW
Total Set On Bus	13,635 MW
Maximum Demand	12,316 MW
Spinning Reserve	1,307 MW
Net Energy	261,494 MWH
Load Factor	88.5 %

Maximum Demand Record

Date :	13/05/2013	16,562.0 MW
Date :	25/06/2013	345,254.0 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	12316	11758	11332	10791	10518	10602	10302	10073	9357	9679	10286	10694	10876	10812	10864	10781	10800	10779	10781	11143	12168	12043	11935	11662

Gas Usage

Station	(mmscfd)
CBPS	31
GLGR	32
PAKA	103
PGPS	29
TJGS	111
TNB Total	306
KLPP	111
MPSS	60
PGLA	107
PKLG	48
PLPS	85
SGB3	47
SGRI	150
SKSP	53
YPKA	53
IPP Total	714
Total Gas	1,020
Total Gas Required :	1,032
Gas Calorific Value :	38,500

Alternate Fuel Usage

Station	(mmscfd)
PKLG	6
SGB3	2
SGRI	4
Total	12

Generation Mix

Type	MWh	Percentage
ST-Coal	32,574.00	12.46 %
Gas	39,873.00	15.25 %
Hydro	14,531.00	5.56 %
Total TNB	86,978.0	33.26 %
ST-Coal	81,580.0	31.20 %
ST-Gas	4,653.0	1.78 %
ST-Oil	535.0	0.20 %
Gas	86,729.0	33.17 %
Distillate	729.0	0.28 %
Total IPP	174,226.0	66.63 %
Co-Gen	1,444.0	0.55 %
Total Co-Gen	1,444.0	0.55 %
Total Generation	262,648.0	100.44 %
PLTG	431.0	0.16 %
HVDC	723.0	0.28 %
Interconnection	1,154.0	0.44 %
Net Energy	261,494.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	244
Hydro	113
Syncon	457
Thermal	109
Total	923

	Weather	Temperature
Morning	Cloudy	21
Afternoon	Cloudy	31

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																													
TIE-HVDC		30	30	30	28	29	31	31	29	31	29	29	30	32	31	31	30	30	31	31	31	31	30	30	30	30	29	29	29	31	31	30	30	30	30	30	30	30																
TIE-PLTG		-18	-55	-151	-118	-47	-66	-59	-16	-14	-28	-46	-21	32	-4	31	113	25	167	90	148	79	73	108	134	-10	105	143	84	8	90	51	29	25	-89	-60	56	24	119	-52	-12	76	-7	70	16	-52	21	-21	-84					
Interconnection		12	-25	-121	-90	-18	-35	-28	13	17	1	-17	8	62	28	62	144	55	197	119	177	110	104	139	165	20	135	174	115	39	121	81	59	56	-58	-30	86	54	148	-23	17	107	24	100	46	-22	51	9	-54					
System Total		12316	11965	11758	11535	11332	10980	10791	10737	10518	10481	10602	10412	10302	10195	10073	9468	9357	9459	9679	9924	10286	10526	10694	10792	10876	10749	10812	10873	10864	10896	10781	10894	10800	10855	10779	10689	10781	10639	11143	12040	12168	12166	12043	12058	11935	11699	11662	11579					
SRev ST-Coal		122	125	121	124	123	132	124	119	124	170	159	168	164	206	203	278	278	274	279	277	277	218	156	143	144	126	134	124	119	129	123	119	125	117	118	132	119	129	119	128	123	123	131	122	111	110	117	102					
SRev ST-Gas		0	0	0	0	0	0	0	0	37	37	37	37	37	38	38	38	38	38	38	38	38	38	39	25	13	8	2	0	2	0	0	-1	0	-4	-1	-1	-1	0	0	-1	0	0	0	0	1	43	38	37	37	37			
SRev ST-Oil		12	57	75	69	37	37	37	37	37	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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		625	495	389	317	313	198	340	361	249	575	501	649	706	807	898	1319	1462	1217	1160	857	563	403	350	251	305	362	244	245	332	228	368	281	370	449	494	450	404	564	610	557	363	319	279	271	311	206	186	235					
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			
SRev Distillate		26	26	74	11	10	75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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		
Syncron		453	453	453	302	151	539	539	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	474	625	625	625	474	625	625	625	625	625	625	625	625	625	625	625	625	474	237	302	389	625	625	625	625	474	625
Hydro		69	54	115	183	256	56	190	102	102	108	89	93	100	97	100	125	182	231	98	99	95	107	102	101	108	239	98	99	106	235	107	107	111	96	99	104	103	122	227	120	254	266	109	108	106	103	128	89					
S.Reserve Total		1307	1210	1227	1006	890	1037	1230	1244	1137	1515	1411	1572	1632	1772	1864	2385	2585	2340	2200	1896	1598	1392	1258	1133	1190	1203	1101	1095	1182	1066	1222	1132	1227	1286	1335	1310	1251	1440	1429	1042	1042	1097	1145	1169	1191	1081	942	1088					