

Availability At Daily Maximum Demand Hour

ST-Coal	2,070 MW
ST-Gas	70 MW
ST-Oil	0 MW
Gas	3,521 MW
Hydro	1,677 MW
Distillate	0 MW
Total TNB	7,338 MW
Total IPP	9,099 MW
Total Co-Gen	45 MW
System Total	16,482 MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 19:30	
TNB Generation	5,405 MW
IPP Generation	7,454 MW
Total Set On Bus	13,847 MW
Maximum Demand	13,004 MW
Spinning Reserve	943 MW
Net Energy	274,428 MWH
Load Factor	87.9 %

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	12066	11281	10935	10796	10381	10392	10441	9981	9957	10413	11084	11517	11635	11689	11840	11866	11842	11582	11393	12274	12956	12857	12449	12275

Gas Usage

Station	(mmscfd)
CBPS	58
PAKA	154
PGPS	44
SRDG	32
TJGS	113
TNB Total	401

Alternate Fuel Usage

Station	(mmscfd)
PGPS	3
PKLG	113
SGB3	1
SGRI	1
Total	118

Generation Mix

Type	MWh	Percentage
ST-Coal	47,008.00	17.13 %
ST-Gas	65.00	0.02 %
ST-Oil	239.00	0.09 %
Gas	50,400.00	18.37 %
Hydro	14,663.00	5.34 %
Total TNB	112,375.0	40.95 %
ST-Coal	55,361.0	20.17 %
ST-Oil	11,060.0	4.03 %
Gas	94,070.0	34.28 %
Distillate	153.0	0.06 %
Total IPP	160,644.0	58.54 %
Co-Gen	1,113.0	0.41 %
Total Co-Gen	1,113.0	0.41 %
Total Generation	274,132.0	99.89 %
PLTG	400.0	0.15 %
HVDC	-696.0	-0.25 %
Interconnection	-296.0	-0.11 %
Net Energy	274,428.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	206
Hydro	101
Syncon	470
Thermal	99
Total	876

KLPP	116
MPSS	19
PDPS	3
PGLA	115
PLPS	51
PTEK	5
SGB3	60
SGRI	180
SKSP	58
YPGS	27
YPKA	83
IPP Total	715

Total Gas 1.116

Total Gas Required : 1,234

Gas Calorific Value : 38.500

Weather Temperature

Morning	Sunny	25
Afternoon	Cloudy	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
UPLA	HY01	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
UPLA	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
Total Hydro		797	802	839	687	686	681	601	528	500	479	494	521	505	508	480	480	531	515	494	480	496	514	602	711
SGB3	GT31	131	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SGB3	GT23	128	49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Distillate		259	49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PCUF	CUFK	50	40	35	16	17	17	18	17	17	18	18	18	18	18	18	16	17	15	15	15	15	14	13	13
PCUF	CUFK	29	30	28	29	29	30	29	30	29	30	31	31	29	28	30	29	28	28	27	27	26	25	25	25
Total Co-Gen		79	70	63	45	46	47	47	47	46	48	48	49	49	47	46	44	44	42	41	41	40	39	38	38
Total Gen		12050	11688	11230	11045	10901	10861	10701	10659	10424	10333	10436	10281	10381	10382	10235	9857	9898	10047	10388	10698	11029	11260	11484	11709
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
TIE-HVDC		-28	-29	-29	-29	-29	-29	-30	-29	-29	-30	-29	-29	-29	-29	-29	-28	-29	-29	-30	-28	-29	-29	-29	-29
TIE-PLTG		12	-68	-22	-98	-5	-58	-66	-12	72	101	74	89	-31	77	283	112	-30	-3	4	58	-26	-21	-4	-46
Interconnection		-16	-97	-51	-127	-34	-87	-95	-42	43	72	44	60	-60	48	254	83	-59	-32	-25	30	-55	-50	-33	-76
System Total		12066	11785	11281	11172	10935	10948	10796	10701	10381	10261	10392	10221	10441	10334	9981	9774	9957	10079	10413	10668	11084	11310	11517	11785
SRev ST-Coal		121	121	99	122	116	111	150	106	177	166	174	202	128	168	176	290	292	267	257	215	112	116	113	121
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
SRev ST-Oil		0	0	-2	0	0	-2	25	81	73	75	75	75	75	75	75	74	74	76	83	18	6	1	-2	8
SRev CCGT-Gas		252	311	264	254	184	197	180	207	270	220	203	378	301	377	507	761	707	582	469	397	287	277	332	219
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
SRev Distillate		21	91	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
Syncon		539	539	539	625	625	625	474	625	625	625	474	625	625	625	625	625	625	625	625	625	625	625	625	625
Hydro		119	114	77	58	59	64	18	192	69	68	53	177	43	191	68	68	16	34	56	70	59	91	154	194
S.Reserve Total		1052	1176	977	1059	984	995	971	1004	1222	1152	1130	1306	1172	1285	1451	1819	1715	1583	1481	1381	1159	1192	1242	1014