

Availability At Daily Maximum Demand Hour

ST-Coal	1,380 MW
ST-Gas	0 MW
ST-Oil	140 MW
Gas	3,456 MW
Hydro	1,748 MW
Distillate	700 MW
Total TNB	7,424 MW
Total IPP	10,824 MW
Total Co-Gen	45 MW
System Total	18,293 MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 11:30	
TNB Generation	4,372 MW
IPP Generation	8,723 MW
Total Set On Bus	14,024 MW
Maximum Demand	13,260 MW
Spinning Reserve	884 MW
Net Energy	288,925 MWH
Load Factor	90.8 %

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	12579	11943	11539	11365	10826	10704	10731	10401	10480	11703	12545	13183	13018	12531	12719	12688	12621	12411	12163	12563	12970	12841	12540	12234

Gas Usage

Station	(mmscfd)
CBPS	59
GLGR	63
PAKA	16
TJGS	115
TNB Total	253
KLPP	88
MPSS	62
PGLA	56
PLPS	110
SGB3	72
SGRI	90
SKSP	58
YPGS	66
YPKA	104
IPP Total	706
Total Gas	959
Total Gas Required :	1,124
Gas Calorific Value :	38.500

Alternate Fuel Usage

Station	(mmscfd)
KLPP	6
PGPS	2
PKLG	68
SGB3	21
TJGS	68
Total	166

Generation Mix

Type	MWh	Percentage
ST-Coal	33,097.00	11.46 %
Gas	33,476.00	11.59 %
Hydro	13,036.00	4.51 %
Distillate	9,817.00	3.40 %
Total TNB	89,426.0	30.95 %
ST-Coal	95,176.0	32.94 %
ST-Oil	6,712.0	2.32 %
Gas	92,261.0	31.93 %
Distillate	3,373.0	1.17 %
Total IPP	197,522.0	68.36 %
Co-Gen	1,293.0	0.45 %
Total Co-Gen	1,293.0	0.45 %
Total Generation	288,241.0	99.76 %
PLTG	16.0	0.01 %
HVDC	-700.0	-0.24 %
Interconnection	-684.0	-0.24 %
Net Energy	288,925.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	272
Hydro	164
Syncon	390
Thermal	3
Total	829

Weather Temperature

Weather	Temperature
Morning	Sunny 27
Afternoon	Rainy 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																									
TJGS	GT2B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																									
TJGS	ST2C	74	87	137	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																									
Total Distillate		197	207	179	0	0	0	0	0	0	0	0	142	231	817	819	820	818	821	819	818	819	821	820	819	819	821	822	836	831	918	917	966	1045	944	944	946	944	946	945										
PCUF	CUFG	17	17	17	18	17	18	18	17	18	17	17	19	18	18	17	17	17	17	16	16	16	16	16	16	16	16	17	17	16	17	17	16	17	18	19	18	18	18	17	18	19	18							
PCUF	CUFK	31	33	32	33	33	35	36	35	34	34	33	35	36	34	35	37	37	36	36	34	32	30	28	29	29	28	28	29	29	29	29	28	29	29	30	28	28	28	28	29	29	29	28						
Total Co-Gen		48	50	49	51	50	53	53	53	52	51	51	52	53	53	55	54	53	53	51	48	45	44	45	46	45	44	45	46	46	45	45	46	45	47	46	47	46	47	47	47	46								
Total Gen		12599	12406	12013	11744	11554	11418	11337	11126	10854	10799	10680	10682	10755	10694	10361	10256	10462	10941	11644	12169	12526	12859	13043	13140	12994	12720	12523	12569	12676	12749	12590	12605	12619	12596	12405	12172	12083	12070	12530	13067	12967	12958	12850	12683	12517	12439	12204	12032	
TIB-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			
TIB-HVDC		-29	-30	-30	-29	-29	-29	-30	-29	-29	-29	-29	-29	-29	-30	-30	-30	-30	-30	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29			
TIB-PLTG		49	88	100	-9	44	21	2	-73	57	-88	6	-6	54	-63	-10	-30	12	-129	-29	26	10	-37	-111	-90	6	46	22	-27	-14	-46	-69	-42	28	-45	23	-38	-51	7	-4	-69	25	29	37	28	6	-30	-1	65	
Interconnection		20	58	70	-38	15	-8	-28	-102	28	-117	-23	-35	25	-92	-39	-59	-17	-159	-59	-3	-19	-66	-140	-120	-24	16	-8	-56	-43	-75	-98	-72	-2	-74	-6	-67	-80	-22	-33	-98	-3	0	9	-1	-23	-89	-30	36	
System Total		12579	12348	11943	11782	11539	11426	11365	11228	10826	10917	10704	10718	10731	10787	10401	10316	10480	11100	11703	12172	12545	12925	13183	13260	13018	12704	12531	12625	12719	12824	12688	12677	12621	12670	12411	12243	12163	12092	12563	13165	12970	12958	12841	12684	12540	12498	12234	11996	
SRev ST-Coal		-1	11	9	10	6	7	25	14	17	-12	19	13	3	-9	11	7	46	3	3	-6	9	15	12	10	-12	9	10	6	14	11	12	16	10	4	19	31	-4	16	26	33	29	27	23	12	3	17	16	22	
SRev ST-Oil		-8	-8	-8	-8	-2	0	0	-6	-9	-8	-8	-8	-8	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-6	-6	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	
SRev CCGT-Gas		695	597	675	955	738	542	501	413	398	389	488	462	416	487	777	914	893	660	487	275	384	354	486	425	298	203	258	205	215	201	299	210	287	277	321	529	666	647	332	298	318	304	309	330	337	319	556	330	
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 Distillate		273	263	291	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-2	139	23	21	20	22	19	21	22	22	21	19	20	21	21	19	18	14	19	12	13	104	25	36	36	34	36	34	35
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	
Syncon		474	625	625	625	625	625	474	474	625	726	575	726	726	726	726	726	726	625	625	237	237	151	151	388	539	625	625	625	625	625	625	625	625	625	625	474	625	625	625	474	388	388	388	625	625	625	625	625	
Hydro		216	76	144	75	84	86	126	122	67	56	196	76	60	62	95	69	54	61	62	108	159	143	287	285	382	232	134	146	146	214	274	197	112	151	329	192	194	199	284	337	337	290	296	139	158	149	150	120	
S.Reserve Total		1649	1564	1736	1657	1451	1260	1126	1017	1098	1151	1270	1269	1197	1258	1602	1709	1712	1443	1170	993	921	765	950	884	1071	996	1042	997	1015	1066	1223	1061	1048	1071	1155	1384	1488	1500	1122	1062	1169	1027	1045	1135	1150	1139	1374	1125	