

Availability At Daily Maximum Demand Hour

ST-Coal	2,070 MW
ST-Gas	0 MW
ST-Oil	140 MW
Gas	3,936 MW
Hydro	1,833 MW
Distillate	0 MW
Total TNB	7,979 MW
Total IPP	10,522 MW
Total Co-Gen	85 MW
System Total	18,586 MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 14:30	
TNB Generation	5,907 MW
IPP Generation	9,113 MW
Total Set On Bus	16,044 MW
Maximum Demand	15,118 MW
Spinning Reserve	939 MW
Net Energy	314,784 MWH
Load Factor	86.8 %

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	12413	11816	11244	11017	11086	10796	11107	11109	11466	13040	14049	14574	14563	14327	14803	14977	14951	14592	13608	13409	14200	14181	13653	13091

Gas Usage

Station	(mmscfd)
CBPS	58
GLGR	56
PAKA	94
PGPS	53
SRDG	25
TJGS	170
TNB Total	455
KLPP	95
MPSS	57
PGLA	110
PLPS	97
SGB3	94
SGRI	81
SKSP	39
YPGS	35
YPKA	134
IPP Total	742
Total Gas	1,197

Total Gas Required : 1,306
Gas Calorific Value : 38,500

Alternate Fuel Usage

Station	(mmscfd)
PKLG	109
Total	109

Generation Mix

Type	MWh	Percentage
ST-Coal	48,320.00	15.35 %
Gas	57,622.00	18.31 %
Hydro	13,331.00	4.23 %
Distillate	271.00	0.09 %
Total TNB	119,544.0	37.98 %
ST-Coal	85,895.0	27.29 %
ST-Oil	10,625.0	3.38 %
Gas	97,125.0	30.85 %
Total IPP	193,645.0	61.52 %
Co-Gen	2,194.0	0.70 %
Total Co-Gen	2,194.0	0.70 %
Total Generation	315,383.0	100.19 %
PLTG	-126.0	-0.04 %
HVDC	725.0	0.23 %
Interconnection	599.0	0.19 %
Net Energy	314,784.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	268
Hydro	210
Syncon	412
Thermal	0
Total	890

Weather Temperature

Weather	Temperature
Morning	Sunny 26
Afternoon	Hot 35

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																										
PCUF	CUPK	32	34	32	33	32	33	33	31	32	31	33	32	32	33	33	32	34	32	32	32	33	33	32	29	29	29	30	31	32	34	35	34	36	33	35	34	34	36	35											
Total Co-Gen		84	86	84	84	83	85	85	83	85	84	86	83	85	87	83	85	86	85	83	84	88	85	81	84	83	86	85	83	81	82	82	86	85	88	84	89	83	86	86	85	88	87								
Total Gen		12427	12136	11854	11575	11252	11276	11059	11038	10999	10912	10859	10815	11099	11335	11141	11439	11620	12613	13122	13664	14043	14311	14549	14845	14614	14319	14299	14442	14748	15105	14962	15010	14944	14665	14690	14076	13659	13410	13416	14179	14286	14339	14241	13941	13703	13474	13105	12876		
TIE-BGAT		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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		31	31	31	31	30	30	29	29	30	30	31	31	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	29	29	30	30	30	30	30	30	30	30	30	30	30	31	31	31	31	31	31	31	31		
TIE-PLTG		-16	-56	8	-98	-21	-56	14	-30	-116	102	33	-35	-37	-177	2	-65	125	9	53	36	-35	25	-55	-7	21	-38	-58	-48	-84	-42	-45	27	-37	-301	69	18	21	3	-23	-68	56	6	29	4	19	-37	-17	93		
Interconnection		15	-25	39	-67	9	-26	43	-1	-86	132	64	-4	-7	-147	33	-34	155	39	83	66	-5	55	-25	23	51	-8	-27	-17	-55	-13	-15	57	-7	-271	98	47	51	33	7	-38	86	36	60	35	50	-6	14	124		
System Total		12412	12161	11815	11642	11245	11302	11016	11039	11085	10780	10795	10819	11106	11482	11108	11473	11465	12574	13039	13598	14048	14256	14574	14822	14563	14327	14326	14459	14803	15118	14977	14953	14951	14936	14592	14029	13608	13377	13409	14217	14200	14303	14181	13906	13653	13480	13091	12752		
SRev ST-Coal		13	10	8	4	13	61	73	73	96	52	1	16	17	-1	44	7	24	45	62	30	9	7	4	6	14	12	25	3	9	3	33	6	-4	-7	16	70	67	-7	-11	64	72	-5	-8	0	-3	-5	5	-6		
SRev ST-Oil		20	-2	-3	-2	-2	4	11	0	5	53	53	53	53	14	-8	-10	-10	-12	-12	-17	-14	-13	-13	-8	-10	-10	-8	-6	-8	-8	-8	-8	-11	2	-13	-16	-6	-2	-2	20	20	20	-24	-37	3	-3	-3			
SRev CCGT-Gas		473	676	913	1198	1506	1438	1569	1573	1649	1648	1630	1674	1532	1142	1402	1155	1690	892	689	454	254	166	168	203	324	197	201	209	205	201	373	323	179	164	371	412	283	517	523	283	272	271	362	380	339	349	527	354		
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 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	726	726	726	726	726	726	575	726	726	575	726	726	726	726	726	575	726	726	575	474	474	575	575	575	474	474	474	474	474	323	323	474	474	323	323	323	323	323	323	323	323	474	474	575	726			
Hydro		113	59	101	97	102	85	102	51	87	217	105	90	110	70	100	82	116	109	103	230	104	169	273	88	182	372	378	235	174	89	113	169	234	246	242	427	355	308	307	192	344	343	362	455	366	278	174	104		
S.Reserve Total		1345	1469	1745	2023	2345	2306	2481	2423	2563	2545	2515	2559	2287	1990	2286	1962	2546	1762	1568	1277	1076	1054	1007	843	1071	1146	1169	1062	857	946	1089	979	889	717	958	1528	1163	1135	1140	891	1023	943	1054	1197	1139	1099	1278	1155		