

Availability At Daily Maximum Demand Hour

ST-Coal	2,070 MW
ST-Gas	0 MW
ST-Oil	140 MW
Gas	4,011 MW
Hydro	1,830 MW
Distillate	0 MW
Total TNB	8,051 MW
Total IPP	10,192 MW
Total Co-Gen	38 MW
System Total	18,281 MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 19:30	
TNB Generation	4,895 MW
IPP Generation	8,247 MW
Total Set On Bus	14,161 MW
Maximum Demand	13,214 MW
Spinning Reserve	981 MW
Net Energy	283,167 MWH
Load Factor	89.3 %

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	11900	11278	10737	10480	10334	10161	10216	10154	10081	11404	12221	12829	12918	12557	12816	12730	12870	12458	12105	12465	13208	12987	12462	12275

Gas Usage

Station	(mmscfd)
CBPS	47
GLGR	63
PAKA	11
PGPS	16
TJGS	203
TNB Total	340
KLPP	56
MPSS	57
PGLA	52
PLPS	113
SGB3	43
SGRI	54
SKSP	55
YPGS	55
YPKA	132
IPP Total	617
Total Gas	956

Total Gas Required : 1,143
Gas Calorific Value : 38.500

Alternate Fuel Usage

Station	(mmscfd)
KLPP	29
PGPS	24
PKLG	115
SGB3	10
SGRI	8
Total	187

Generation Mix

Type	MWh	Percentage
ST-Coal	49,289.00	17.41 %
ST-Oil	1,323.00	0.47 %
Gas	45,777.00	16.17 %
Hydro	8,228.00	2.91 %
Distillate	1,265.00	0.45 %
Total TNB	105,882.0	37.39 %
ST-Coal	78,156.0	27.60 %
ST-Oil	11,253.0	3.97 %
Gas	79,925.0	28.23 %
Distillate	5,982.0	2.11 %
Total IPP	175,316.0	61.91 %
Co-Gen	1,163.0	0.41 %
Total Co-Gen	1,163.0	0.41 %
Total Generation	282,361.0	99.72 %
PLTG	-107.0	-0.04 %
HVDC	-699.0	-0.25 %
Interconnection	-806.0	-0.28 %
Net Energy	283,167.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	285
Hydro	106
Syncon	538
Thermal	9
Total	938

Weather
Temperature

Morning	Sunny	26
Afternoon	Hot	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																										
Total Co-Gen	45	47	47	48	47	46	49	47	49	47	46	47	46	48	48	48	49	46	47	48	44	43	42	39	38	38	40	38	36	37	38	37	38	38	38	37	39	39	38	38	39	38	40	43	43	47	43	47		
Total Gen	11846	11478	11093	11012	10674	10667	10375	10310	10223	10151	10088	10116	10179	10385	10263	10213	10079	10759	11282	11838	12163	12550	12848	12976	12899	12545	12545	12689	12741	13008	12778	12892	12850	12753	12446	12252	12025	11917	12362	13180	13141	13029	12924	12720	12407	12343	12199	12029		
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	0	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	-29	-29	-30	-30	-30	-30	-29	-29	-29	-29	-30	-30	-28	-28	-28	-29	-29	-29	-28	-28	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-29	-30	-29	-29	-30	-30	-30	-30	-29	-29	-29	-29		
TIE-PLTG	-25	9	-155	20	-33	64	-75	3	-81	61	-41	-59	-6	-42	139	104	28	-37	-91	16	-29	-36	48	56	11	47	17	35	-45	-13	78	4	10	-38	18	0	-49	-8	-73	-3	-37	-8	-32	25	-24	-34	-46	18		
Interconnection	-53	-20	-184	-9	-62	35	-104	-26	-110	31	-71	-89	-36	-71	110	75	-1	-67	-121	-12	-57	-64	20	27	-18	18	-11	7	-74	-42	49	-25	-19	-67	-11	-29	-79	-38	-102	-33	-66	-37	-62	-5	-54	-64	-75	-11		
System Total	11899	11498	11277	11021	10736	10632	10479	10336	10333	10120	10159	10205	10215	10456	10153	10138	10080	10826	11403	11850	12220	12614	12828	12949	12917	12527	12556	12682	12815	13050	12729	12917	12869	12820	12457	12281	12104	11955	12464	13213	13207	13066	12986	12725	12461	12407	12274	12040		
SRev ST-Coal	50	57	82	55	27	-2	74	95	244	221	213	221	213	101	98	125	315	-1	2	8	4	2	2	3	8	11	9	7	6	-23	18	2	-1	2	5	-4	0	8	3	6	-1	5	6	-3	-3	-10	11	3		
SRev ST-Oil	2	2	2	3	2	3	4	1	1	1	1	1	1	1	2	2	1	2	1	2	2	2	2	2	2	6	30	31	2	2	2	2	2	1	3	2	3	2	0	1	1	3	1	30	30	12	4	3		
SRev CCGT-Gas	725	513	740	697	897	931	1205	1210	1179	1224	1300	1296	1215	1171	1216	1244	1267	969	932	680	436	294	284	171	220	380	430	158	185	202	294	334	228	137	392	627	938	1039	678	157	148	186	204	257	344	267	302	300		
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	12	12	9	12	12	12	10	12	11	12	12	12	12	9	15	14	12	0	0	0	0	0	0	0	0	0	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	625	625	726	726	726	726	575	575	726	726	726	726	575	726	726	726	726	726	726	726	726	726	575	726	726	726	726	625	474	625	625	474	625	726	726	726	726	726	726	424	726	726	726	726	726	726	726			
Hydro	130	143	77	85	113	113	210	248	69	116	110	79	255	59	132	128	103	65	58	108	87	63	96	228	99	146	106	108	289	98	129	254	247	78	217	87	109	109	100	355	93	83	108	113	105	103	116	150		
S.Reserve Total	1544	1352	1636	1578	1777	1783	2078	2141	2230	2362	2335	2271	2067	2189	2239	2424	1761	1719	1524	1255	1087	1110	979	1055	1294	1301	929	1070	994	1215	1100	1143	1040	1387	1480	1817	1925	1549	981	1006	1042	1151	1145	1321	1109	1169	1193			