

Availability At Daily Maximum Demand Hour

ST-Coal	1,380 MW
ST-Gas	0 MW
ST-Oil	140 MW
Gas	3,886 MW
Hydro	1,595 MW
Distillate	0 MW
Total TNB	7,001 MW
Total IPP	10,082 MW
Total Co-Gen	76 MW
System Total	17,719 MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 21:00	
TNB Generation	4,615 MW
IPP Generation	8,110 MW
Total Set On Bus	13,753 MW
Maximum Demand	12,875 MW
Spinning Reserve	952 MW
Net Energy	271,798 MWH
Load Factor	88.0 %

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	12381	11802	11289	10929	10581	10262	10182	10202	9750	10243	10934	11472	11650	11485	11604	11647	11757	11427	11125	11819	12704	12875	12565	12375

Gas Usage

Station	(mmscfd)
CBPS	60
GLGR	58
PAKA	143
PGPS	42
TJGS	164
TNB Total	467
KLPP	63
PGLA	24
PLPS	105
SGB3	74
SGRI	111
SKSP	54
YPGS	33
YPKA	68
IPP Total	532
Total Gas	999

Total Gas Required : 1,048
Gas Calorific Value : 38.500

Alternate Fuel Usage

Station	(mmscfd)
PGPS	16
PLPS	10
SGB3	14
SGRI	8
Total	49

Generation Mix

Type	MWh	Percentage
ST-Coal	32,944.00	12.12 %
ST-Oil	1,308.00	0.48 %
Gas	60,941.00	22.42 %
Hydro	7,999.00	2.94 %
Distillate	282.00	0.10 %
Total TNB	103,474.0	38.07 %
ST-Coal	93,356.0	34.35 %
Gas	68,343.0	25.14 %
Distillate	4,151.0	1.53 %
Total IPP	165,850.0	61.02 %
Co-Gen	1,898.0	0.70 %
Total Co-Gen	1,898.0	0.70 %
Total Generation	271,222.0	99.79 %
PLTG	122.0	0.04 %
HVDC	-698.0	-0.26 %
Interconnection	-576.0	-0.21 %
Net Energy	271,798.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	406
Hydro	115
Syncon	446
Thermal	1
Total	969

Weather		Temperature
Morning	Sunny	26
Afternoon	Hot	32

Daily MW Generation On Sunday

07-Oct-2012

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		-29	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-29	-28	-29	-28	-30	-30	-29	-29	-29	-28	-28	-29	-29	-29	-31	-31	-28	-28	-30	-30	-29														
TIE-PLTG		-52	39	-65	-35	-47	1	-125	4	7	14	-18	-16	-34	-52	78	40	61	43	81	-8	17	-31	88	-3	-70	10	1	-6	-41	72	16	-43	-143	-19	-41	8	-4	18	57	11	15	-77	-45	21	38	-24	13	-78		
Interconnection		-81	10	-94	-65	-77	-28	-154	-25	-22	-15	-47	-45	-63	-81	49	11	32	14	52	-37	-12	-60	58	-32	-98	-19	-27	-36	-71	43	-14	-73	-173	-49	-71	-21	-33	-12	27	-19	-17	-109	-74	-8	9	-55	-18	-108		
System Total		12381	12061	11802	11456	11289	11023	10929	10589	10581	10296	10262	10375	10182	10457	10202	9604	9750	9975	10243	10623	10934	11295	11472	11646	11650	11529	11485	11607	11604	11580	11647	11662	11757	11558	11427	11277	11125	11261	11819	12689	12704	12832	12875	12697	12561	12525	12375	12087		
SRev ST-Coal		-8	0	-12	-10	-2	-11	-12	-22	-19	-7	-9	25	97	143	154	373	262	4	-7	4	-1	-2	11	3	-10	0	-3	2	3	51	6	-26	-6	2	-6	-11	-9	-9	11	-4	3	-7	-8	1	-19	2	-6	-12		
SRev ST-Oil		1	2	3	3	5	3	4	4	2	2	3	2	2	2	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	0	
SRev CCGT-Gas		870	783	778	740	518	623	732	742	494	604	669	517	655	379	476	867	1054	1100	1085	786	524	354	440	307	432	364	578	454	562	520	691	816	807	852	987	1155	1350	1223	949	440	457	429	291	374	463	349	302	424		
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		40	104	13	13	11	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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		539	539	539	539	539	539	539	539	539	640	640	640	640	489	489	640	640	640	640	640	640	640	640	640	640	640	640	640	640	640	640	640	640	640	640	640	640	640	640	640	640	640	640	640	640	640	640	640	640	
Hydro		149	231	123	96	90	151	79	199	123	79	81	83	86	209	226	105	79	86	81	72	80	86	175	149	135	131	112	117	119	123	139	237	94	111	135	223	122	124	99	155	184	190	101	119	173	104	115	123		
S.Reserve Total		1591	1659	1444	1381	1161	1305	1343	1462	1139	1318	1384	1267	1480	1222	1347	1986	2036	1831	1800	1504	1245	979	1015	1000	1199	1137	1329	1215	1326	1336	1478	1518	1537	1608	1758	1858	2161	2007	1626	1008	1061	1028	952	1063	1182	1139	977	1100		