

Availability At Daily Maximum Demand Hour

ST-Coal	2,070	MW
ST-Gas	70	MW
ST-Oil	0	MW
Gas	3,612	MW
Hydro	1,759	MW
Distillate	0	MW
Total TNB	7,511	MW
Total IPP	11,528	MW
Total Co-Gen	86	MW
System Total	19,125	MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 20:30		
TNB Generation	5,132	MW
IPP Generation	8,564	MW
Total Set On Bus	14,676	MW
Maximum Demand	13,740	MW
Spinning Reserve	894	MW
Net Energy	302,792	MWH
Load Factor	91.8	%

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	13251	12721	12250	11872	11463	11231	11137	10923	10819	11976	12544	13323	13358	13010	13245	13299	13354	13031	12599	12603	13690	13635	13313	13196

Gas Usage

Station	(mmscfd)
CBPS	49
GLGR	31
PAKA	98
PGPS	41
SRDG	10
TJGS	112
TNB Total	340
KLPP	107
MPSS	51
PGLA	112
PKLG	1
PLPS	97
SGB3	2
SGRI	177
SKSP	51
YPKA	133
IPP Total	731
Total Gas	1,071

Total Gas Required : 1,071
Gas Calorific Value : 38.500

Generation Mix

Type	MWh	Percentage
ST-Coal	49,598.00	16.38 %
Gas	43,374.00	14.32 %
Hydro	13,745.00	4.54 %
Total TNB	106,717.0	35.24 %
ST-Coal	99,088.0	32.72 %
ST-Gas	60.0	0.02 %
Gas	95,672.0	31.60 %
Total IPP	194,820.0	64.34 %
Co-Gen	2,239.0	0.74 %
Total Co-Gen	2,239.0	0.74 %
Total Generation	303,776.0	100.32 %
PLTG	276.0	0.09 %
HVDC	708.0	0.23 %
Interconnection	984.0	0.32 %
Net Energy	302,792.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	276
Hydro	143
Syncon	454
Thermal	117
Total	990

	Weather	Temperature
Morning	Sunny	28
Afternoon	Hot	36

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		90	91	88	91	90	90	89	91	91	90	90	87	88	87	90	87	88	83	86	85	82	81	82	84	81	83	84	82	83	82	83	85	86	85	82	86	86	86	83	88	87	87								
Total Gen		13333	13161	12754	12429	12260	12009	11936	11679	11509	11375	11244	11278	11191	11229	11025	10728	10802	11622	12059	12385	12620	12993	13385	13477	13327	13175	13043	13242	13263	13395	13338	13310	13379	13292	13056	12776	12636	12528	12629	13325	13732	13782	13719	13578	13374	13303	13256	12961		
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			
TIE-HVDC		0	29	31	29	29	31	29	29	31	29	31	31	29	31	31	31	31	29	31	29	31	31	31	29	31	29	32	32	30	29	30	30	29	29	30	30	31	31	29	29	31	31	30	0	0	0	0			
TIE-PLTG		82	-12	2	-122	-19	4	35	-18	17	31	-16	-37	23	-33	73	-16	-48	125	52	13	45	34	31	-27	-62	19	2	92	-13	-93	10	-30	-7	-72	-4	20	7	18	-3	45	12	11	47	18	32	-68	29	99		
Interconnection		82	17	33	-93	10	35	64	11	46	62	13	-6	54	-4	102	15	-17	154	83	44	76	64	62	4	-31	48	33	121	18	-62	39	2	25	-42	25	50	37	47	26	75	42	42	78	47	61	-37	60	129		
System Total		13251	13144	12721	12522	12250	11974	11872	11668	11463	11315	11231	11284	11137	11233	10923	10713	10819	11468	11976	12311	12544	12929	13323	13473	13358	13127	13010	13121	13245	13457	13299	13308	13354	13334	13031	12726	12599	12481	12603	13250	13690	13740	13635	13531	13313	13340	13196	12832		
SRev ST-Coal		144	181	163	159	152	149	148	145	153	150	155	151	152	146	167	142	136	146	142	149	146	145	155	147	144	141	160	145	145	141	144	142	144	152	136	143	142	145	168	148	147	147	149	149	145	181	149	151		
SRev ST-Gas		66	61	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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 CCGT-Gas		313	347	568	558	469	619	712	971	1103	1217	1388	1356	1444	1420	1566	1752	1706	964	831	753	650	411	293	243	272	356	195	309	306	300	307	260	169	216	305	550	650	796	681	146	252	139	151	140	167	116	161	277		
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		625	625	625	474	474	625	625	625	625	474	625	625	625	625	726	726	625	625	625	625	539	388	539	625	625	625	625	625	474	625	625	625	539	625	625	625	625	625	625	474	302	433	539	625	625	625	625	625		
Hydro		102	102	112	218	168	119	107	102	133	154	263	103	103	100	140	174	152	164	208	149	146	140	314	235	196	98	235	234	224	261	143	129	126	141	221	104	138	99	94	226	230	155	127	92	125	94	126	159		
S.Reserve Total		1257	1343	1495	1436	1290	1519	1599	1850	2021	2153	2287	2242	2331	2298	2505	2794	2720	1899	1806	1676	1567	1235	1146	1165	1306	1328	1338	1313	1300	1176	1219	1156	1064	1048	1287	1422	1555	1665	1568	1000	935	894	967	1097	1062	1016	1061	1212		