

Availability At Daily Maximum Demand Hour

ST-Coal	2,070 MW
ST-Gas	0 MW
ST-Oil	140 MW
Gas	2,986 MW
Hydro	1,595 MW
Distillate	1,330 MW
Total TNB	8,121 MW
Total IPP	10,847 MW
Total Co-Gen	73 MW
System Total	19,041 MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 14:30	
TNB Generation	6,535 MW
IPP Generation	8,845 MW
Total Set On Bus	16,507 MW
Maximum Demand	15,436 MW
Spinning Reserve	1,049 MW
Net Energy	319,552 MWH
Load Factor	86.3 %

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	12738	11852	11550	11144	10922	10910	11139	11144	11804	13442	14327	15055	15031	14712	15162	15377	15317	14945	13794	13836	14442	14220	13752	13171

Gas Usage

Station	(mmscfd)
CBPS	58
GLGR	57
PAKA	147
SRDG	7
TJGS	124
TNB Total	393
KLPP	42
MPSS	22
PGLA	55
PKLG	55
PLPS	12
SGB3	37
SGRI	49
SKSP	39
YPGS	34
YPKA	131
IPP Total	476
Total Gas	869

Total Gas Required : 1,273
Gas Calorific Value : 38.500

Alternate Fuel Usage

Station	(mmscfd)
KLPP	72
PDPS	8
PGPS	53
PLPS	97
PTEK	14
SGB3	44
SGRI	39
SRDG	26
TJGS	50
Total	404

Generation Mix

Type	MWh	Percentage
ST-Coal	49,238.00	15.41 %
ST-Oil	1,304.00	0.41 %
Gas	50,354.00	15.76 %
Hydro	13,518.00	4.23 %
Distillate	13,984.00	4.38 %
Total TNB	128,398.0	40.18 %
ST-Coal	95,489.0	29.88 %
ST-Gas	5,366.0	1.68 %
Gas	55,400.0	17.34 %
Distillate	33,522.0	10.49 %
Total IPP	189,777.0	59.39 %
Co-Gen	1,854.0	0.58 %
Total Co-Gen	1,854.0	0.58 %
Total Generation	320,029.0	100.15 %
PLTG	-250.0	-0.08 %
HVDC	727.0	0.23 %
Interconnection	477.0	0.15 %
Net Energy	319,552.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	423
Hydro	156
Syncon	342
Thermal	37
Total	958

Weather Temperature

Weather	Temperature
Morning	Cloudy 24
Afternoon	Cloudy 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
PDP5	GT03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PDP5	GT04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PGPS	GT3A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PGPS	GT3B	87	87	85	87	87	87	83	88	86	87	89	88	89	87	87	87	84	87	93	91	91	91	90	90
PGPS	ST3C	39	39	37	38	38	38	36	38	38	38	39	39	39	38	38	38	37	38	82	86	86	86	86	86
PTEK	GT1A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PTEK	GT2A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SGB3	GT31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SGB3	GT33	126	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SGRI	GT12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SGRI	GT13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SGRI	ST14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRDG	GT01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRDG	GT03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRDG	GT05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PLPS	GT11	143	143	136	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PLPS	GT12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PLPS	GT13	140	140	140	140	140	110	110	110	110	110	140	140	140	140	140	140	148	151	151	151	151	148	148	148
PLPS	ST18	206	201	205	153	153	153	153	153	153	153	153	153	153	153	153	190	182	205	205	205	203	203	203	203
TJGS	GT2A	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	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Distillate		999	893	863	679	678	679	635	603	602	601	605	604	660	679	681	680	754	877	1046	1334	1486	1582	1851	2776
PCUF	CUF6	38	39	38	38	40	41	39	37	38	38	39	38	38	39	38	39	38	37	37	37	37	38	38	39
PCUF	CUF8	35	35	35	35	36	36	39	39	40	40	39	38	39	39	38	39	46	46	46	46	46	46	46	46
Total Co-Gen		73	74	73	73	74	76	80	78	77	78	77	78	76	76	77	78	84	85	84	85	84	86	84	84
Total Gen		12721	12313	11991	11776	11569	11345	11120	11040	10989	10790	10856	10886	11060	11414	11207	11222	11791	12791	13473	14059	14359	14692	15040	15222
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
TIE-HVDC		30	31	31	31	30	30	30	30	30	30	31	31	30	30	30	29	29	30	30	31	31	30	30	30
TIE-PLTG		-47	83	108	1	-12	-33	-54	-103	37	-91	-84	-68	-110	-69	33	-5	-43	179	0	32	2	-125	-45	-65
Interconnection		-17	114	139	32	19	-3	-24	-73	67	-61	-54	-37	-79	-39	63	25	-13	210	31	62	32	-95	-15	-36
System Total		12738	12199	11852	11744	11550	11348	11144	11113	10922	10851	10910	10923	11139	11453	11144	11197	11804	12581	13442	13997	14327	14787	15055	15258
SRev ST-Coal		63	81	100	80	73	50	9	26	23	67	69	33	19	30	30	26	16	46	14	29	42	39	22	32
SRev ST-Gas		1	1	1	1	22	28	28	28	28	28	28	28	28	28	28	28	28	28	9	7	4	1	2	2
SRev ST-Oil		11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	10	10	9	9	10	10	10	10	10
SRev CCGT-Gas		403	591	812	606	753	977	1156	1180	1181	1273	1253	1251	1147	844	952	960	1051	664	521	655	835	741	449	318
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
SRev Distillate		66	172	62	36	37	36	80	112	113	114	110	111	55	36	34	35	51	68	109	101	134	138	149	172
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
Syncon		323	474	474	474	474	474	474	474	726	726	726	726	575	726	726	726	726	323	323	323	323	323	172	86
Hydro		148	185	268	168	226	174	183	82	131	92	49	57	54	162	112	95	123	395	270	26	43	56	231	383
S.Reserve Total		1015	1515	1728	1376	1596	1750	1941	1913	1961	2311	2246	2217	2040	1686	1893	1881	2005	1534	1255	1150	1388	1157	959	1013