

Availability At Daily Maximum Demand Hour

ST-Coal	1,380 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,436 MW
Hydro	1,540 MW
Distillate	940 MW
Total TNB	7,296 MW
Total IPP	11,729 MW
Total Co-Gen	37 MW
System Total	19,062 MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 14:30	
TNB Generation	5,550 MW
IPP Generation	9,903 MW
Total Set On Bus	16,414 MW
Maximum Demand	15,508 MW
Spinning Reserve	924 MW
Net Energy	322,366 MWH
Load Factor	86.6 %

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	13085	12430	11796	11234	11364	11223	11192	11179	11644	13416	14376	15155	15170	14724	15223	15396	15226	14986	13975	13628	14590	14546	13891	13401

Gas Usage

Station	(mmscfd)
CBPS	50
GLGR	50
PAKA	108
PGPS	50
SRDG	3
TJGS	109
TNB Total	371
KLPP	54
MPSS	56
PGLA	92
PLPS	70
SGB3	49
SGRI	117
SKSP	54
YPGS	35
YPKA	55
IPP Total	581
Total Gas	952

Total Gas Required : 1,308
Gas Calorific Value : 38,500

Alternate Fuel Usage

Station	(mmscfd)
KLPP	35
PKLG	135
PLPS	25
SGB3	40
SGRI	12
SRDG	13
TJGS	97
Total	356

Generation Mix

Type	MWh	Percentage
ST-Coal	33,119.00	10.27 %
Gas	47,533.00	14.75 %
Hydro	13,477.00	4.18 %
Distillate	15,002.00	4.65 %
Total TNB	109,131.0	33.85 %
ST-Coal	110,584.0	34.30 %
ST-Oil	13,292.0	4.12 %
Gas	73,620.0	22.84 %
Distillate	13,640.0	4.23 %
Total IPP	211,136.0	65.50 %
Co-Gen	1,318.0	0.41 %
Total Co-Gen	1,318.0	0.41 %
Total Generation	321,585.0	99.76 %
PLTG	-79.0	-0.02 %
HVDC	-702.0	-0.22 %
Interconnection	-781.0	-0.24 %
Net Energy	322,366.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	403
Hydro	121
Syncon	441
Thermal	32
Total	997

Weather		Temperature
Morning	Sunny	28
Afternoon	Hot	32

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
SGB3	GT33	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	GT21	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	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
FLPS	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
TJGS	GT2A	227	119	202	233	233	233	233	234	232	233	233	234	235	234	121	121	225	230	227	227	227	227	227	227
TJGS	GT2B	224	117	0	0	0	0	0	0	0	0	0	0	0	0	119	118	223	225	225	225	224	224	225	225
TJGS	ST2C	245	177	108	116	116	115	112	117	117	116	114	117	117	113	79	90	249	239	243	244	244	244	244	244
Total Distillate		794	413	310	349	349	348	345	351	349	349	347	351	352	347	319	329	697	835	1026	1302	1302	1454	1564	
PCUF	CUFG	51	52	52	51	51	52	52	50	52	51	18	19	19	19	18	18	17	16	17	16	17	16	15	14
PCUF	CUFK	27	29	28	30	30	34	32	28	30	30	32	31	31	30	29	30	30	28	27	25	27	23	24	27
Total Co-Gen		78	81	80	81	81	85	84	80	80	82	83	49	50	49	48	48	48	47	44	44	41	44	39	
Total Gen		13090	12669	12402	11892	11759	11620	11285	11289	11207	11139	11088	11233	11159	11424	11273	11083	11694	12632	13399	13917	14357	14829	15104	
TIE-EGAT		0	0	0	0	0	0	0	0	0	0	-1	0	0	0	0	0	0	0	0	0	0	0	0	0
TIE-HVDC		-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-29	-30
TIE-PLTG		35	3	1	-40	-8	-23	80	43	-128	-20	-106	-87	-3	1	123	-89	79	-54	12	110	10	8	-22	
Interconnection		5	-26	-28	-69	-37	-52	51	14	-157	-49	-135	-117	-33	-29	94	-118	50	-83	-17	81	-19	-21	-51	
System Total		13085	12695	12430	11961	11796	11672	11234	11275	11364	11188	11223	11350	11192	11453	11179	11201	11644	12715	13416	13836	14376	14850	15155	
SRev ST-Coal		20	31	25	41	50	18	44	29	37	16	8	21	33	29	26	16	27	15	22	40	55	36	41	
SRev ST-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 ST-Oil		1	6	19	5	-1	-1	-1	1	1	1	1	1	1	1	0	0	1	1	0	-2	-2	-2	-2	-2
SRev CCGT-Gas		639	336	447	972	1099	1223	1517	1565	1551	1639	1712	1548	1573	1277	1468	1778	1148	1185	785	597	418	294	307	
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		41	287	40	1	1	1	2	5	-1	1	3	-1	-2	3	261	251	3	285	234	98	98	186	76	
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		625	474	625	625	625	625	625	625	625	474	625	625	625	388	388	539	625	539	453	539	625	474	625	
Hydro		115	175	69	42	45	96	104	58	52	53	40	161	52	87	134	148	115	38	326	320	96	41	36	
S.Reserve Total		1441	1309	1225	1686	1819	1962	2296	2288	2270	2340	2392	2213	2288	2022	2262	2682	2171	1872	1812	1584	1211	1097	1107	