

Availability At Daily Maximum Demand Hour

ST-Coal	2,070 MW
ST-Gas	0 MW
ST-Oil	140 MW
Gas	4,101 MW
Hydro	1,830 MW
Distillate	130 MW
Total TNB	8,271 MW
Total IPP	10,917 MW
Total Co-Gen	47 MW
System Total	19,235 MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 14:30	
TNB Generation	5,593 MW
IPP Generation	9,226 MW
Total Set On Bus	15,725 MW
Maximum Demand	14,810 MW
Spinning Reserve	859 MW
Net Energy	302,565 MWH
Load Factor	85.1 %

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	11545	10771	10520	10289	10158	10124	10398	10474	11054	12712	13543	14307	14386	14096	14674	14579	14557	14164	13258	13513	13904	13541	13006	12294

Gas Usage

Station	(mmscfd)
CBPS	48
GLGR	34
PAKA	44
PGPS	17
SRDG	0
TJGS	184
TNB Total	327
KLPP	87
MPSS	56
PGLA	51
PLPS	96
SGB3	76
SGRI	52
SKSP	53
YPGS	70
YPKA	130
IPP Total	671
Total Gas	998

Alternate Fuel Usage

Station	(mmscfd)
PGPS	8
PKLG	121
SGRI	8
SRDG	10
TJGS	1
Total	148

Generation Mix

Type	MWh	Percentage
ST-Coal	49,285.00	16.29 %
Gas	44,208.00	14.61 %
Hydro	12,134.00	4.01 %
Distillate	2,022.00	0.67 %
Total TNB	107,649.0	35.58 %
ST-Coal	94,907.0	31.37 %
ST-Oil	11,808.0	3.90 %
Gas	86,880.0	28.71 %
Distillate	955.0	0.32 %
Total IPP	194,550.0	64.30 %
Co-Gen	1,411.0	0.47 %
Total Co-Gen	1,411.0	0.47 %
Total Generation	303,610.0	100.35 %
PLTG	319.0	0.11 %
HVDC	726.0	0.24 %
Interconnection	1,045.0	0.35 %
Net Energy	302,565.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	260
Hydro	165
Syncon	518
Thermal	23
Total	965

Weather Temperature

Weather	Temperature
Morning	Sunny 26
Afternoon	Rainy 31

Total Gas Required : 1,146
Gas Calorific Value : 38.500

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
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
TJGS	GT2A	43	122	121	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TJGS	GT2B	118	116	38	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TJGS	ST2C	80	107	88	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Distillate		365	468	372	126	123	122	125	119	128	124	126	126	124	122	126	0	0	0	0	0	0	0	0	0
PCUF	CUFG	19	20	19	19	19	20	19	19	19	18	19	19	19	18	18	16	16	16	16	16	16	16	16	18
PCUF	CUFK	36	35	36	38	39	39	39	39	39	39	39	39	39	38	40	39	38	37	35	35	30	31	33	33
Total Co-Gen		55	55	55	57	58	59	58	59	58	58	57	58	58	57	59	57	56	53	51	51	51	45	47	49
Total Gen		11586	11104	10782	10645	10635	10517	10400	10353	10191	10132	10147	10151	10407	10712	10593	10661	11127	12194	12783	13242	13633	13982	14358	14634
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	30	30	31	31	30	30	30	29	29	31	31	29	29	31	31	30	30	30	30	30	30	30	30
TIE-PLTG		11	59	-18	-45	85	92	82	63	4	73	-5	-12	-21	-14	90	-30	43	70	42	2	61	12	21	
Interconnection		41	89	12	-14	116	122	112	93	34	102	24	19	10	15	119	1	74	100	72	32	91	42	51	
System Total		11545	11015	10770	10659	10519	10395	10288	10260	10157	10030	10123	10132	10397	10697	10474	10660	11053	12094	12711	13210	13542	13940	14307	14575
SRev ST-Coal		14	6	24	34	32	114	123	119	520	397	399	406	214	15	29	20	20	18	24	13	32	15	13	
SRev ST-Oil		3	3	8	9	4	56	56	56	56	56	56	56	56	56	56	56	56	40	3	3	3	3	3	
SRev CCGT-Gas		476	984	1039	1620	1572	1386	1378	1391	1256	1321	1297	1306	1264	1206	1259	1272	1257	1085	821	674	330	190	81	
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	
SRev Distillate		470	367	463	9	12	13	10	16	7	11	9	9	9	11	13	9	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	
Syncon		625	625	726	726	726	726	575	575	575	726	575	575	625	474	726	726	726	726	726	726	625	625	625	
Hydro		149	234	81	82	145	154	140	293	61	261	119	248	227	127	327	72	125	118	170	127	97	75	255	
S.Reserve Total		1737	2219	2441	2580	2591	2549	2533	2550	2575	2721	2706	2700	2445	2040	2158	2155	2168	1950	1744	1543	1188	1009	977	