

## OCTOBER

## Secondary Market of Government Securities

## 1999

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## Abbreviations

BGN - The Abbreviation of the Redenominated Bulgarian Lev
BIR - Base Interest Rate
BNB - Bulgarian National Bank
CGB - Central Government Budget
CM - Council of Ministers
CMD - Council of Ministers Decree
DISCs - Discount Bonds
FLIRBs - Front-loaded Interest Reduction Bonds
GS - Government Securities
IABs - Interest Arrears Bonds
LSPDACB - Law on State Protection of Deposits and Accounts with Commercial Banks in respect whereof the BNB Has Petitioned the Institution of Bankruptcy Proceedings
MF - Ministry of Finance
OTC Market - Over-the-counter Market
SBL - State Budget Law
SII - State Insurance Institute
ZUNK - Bulgarian Abbreviation of the Law on Settlement of Nonperforming Credits Negotiated prior to 31 December 1990 (LSNC)

## governvent sectrities interbank market

## Interbank Market of Government Securities Issued under Regulation No. 5

In October 1999 financial institutions concluded 405 transactions in government securities (including the number and volume of reverse repurchase agreements) issued for budget deficit financing, totaling BGN 458,761.4 thousand nominal value, an increase of BGN 131,655.8 thousand, or $40.3 \%$, compared with the same period of the previous year (Chart 1).

During the review period the volume of secondary market transactions in government securities between primary dealers issued under Regulation No. 5 (reverse repo agreements volume excluded) totaled BGN 260,115.1 thou-
sand, including three-month treasury bills of BGN 1,657.7 thousand, twelvemonth of BGN 99,783.2 thousand, twoyear of BGN 113,704.2 thousand and up to five years of BGN 44,970 thousand (Chart 2). In October sales in government securities intensified compared with the previous month, their volume increasing by $11.6 \%$. Structurally, demand for two-year treasury bonds occupied the largest share. Sales volumes of up to five years government securities increased four times from the previous month.

In October 1999 secondary market transactions on behalf of clients (i. e. under Article 20 of Regulation No. 5) decreased on the previous month, accounting for BGN 1,185 thousand. Transac-

Chart 1
Volume of Transactions in Government Securities Issued for Budget Deficit Financing


Source: BNB.

## Structure of Transactions in Government Securities Issued for Budget Deficit Financing



Source: BNB.
tions between nonprimary dealers and physical or legal persons (i. e. transactions under Article 21 of Regulation No. 5) significantly decreased compared with September, accounting for BGN 2.6 thousand. The volume of transactions between primary and nonprimary dealers (under Article 14 of Regulation No. 5) also dropped from September, reaching BGN 59,647.7 thousand, including bids approved at the government securities auctions on behalf of nonprimary dealers of BGN 1,000 thousand.

## Interbank Market of Government Securities Issued as a Result of Structural Reform

In October financial institutions concluded 74 transactions in USD-denominated government securities issued as a result of structural reform, totaling

USD 51.2 million nominal value (including the number and volume of reverse repurchase agreements). In October, 44 outright transactions of USD 21.6 million, six repo agreements of USD 8.9 million, and 24 transactions on behalf of clients of USD 20.7 million (under Articles 14, 20 and 21) were concluded.

In October neither government securities transactions in levs issued as a result of structural reform, nor transactions in forex guaranty government securities were concluded. Five EUR-denominated transactions, totaling EUR 4.1 million, were registered.

Twenty-seven transactions of USD 8.8 million and nine transactions of EUR 9.7 million were concluded pursuant to Article 14, para. 6 of Regulation No. 5.

Sales in forex ZUNK bonds intensified in October. From 12 October 1999 in the Interbank Market


Source: BNB.
daily volumes and prices of long-term government bonds on domestic debt started increasing. Transactions on behalf of clients also increased. This could be a result of both the market reaction to reverse repurchase of forex ZUNK bonds of USD 150 million by the Ministry of Finance announced in mid-October and the increase in Brady bond prices which indirectly impacted ZUNK bond market value. ZUNK bonds prices ranged between USD 58 in the beginning of October and USD 65 per USD 100 nominal value at the end of month. Thus forex bonds market values increased by around $12 \%$ in October.

## Government Securities Repo Agreements in the Interbank Market

In October the volume of repo agreements traded in the secondary interbank
market was uneven (Chart 5). The greatest volume of transactions was registered in the middle of the review period when a significant increase in the volume of interbank deposits occurred.

In October the yield of repo agreements reflected the insignificant changes in the base interest rate; a decrease in the average term of repo agreements (in terms of days) was reported. The yield of repo agreements in government securities was higher than the yield of interbank deposits of up to one-day and three-day maturities. The yield of transactions of up to seven-day and onemonth maturities was lower than that of interbank deposits of the same maturities (Chart 6). October was characterized by enhanced activity in the interbank secondary market compared with the previous month; commercial banks preferred long-term government bonds.

Price Movements of USD-denominated Government Securities (Issued under ZUNK) and Bulgarian Brady Bonds in the Interbank Market*


* Reuters offer quotations for Brady bonds.

Sources: BNB, Reuters.

Volume of Repo Agreements in the Secondary Interbank Market


Source: BNB.

Prices of Transactions in USD-denominated Government Securities Issued under Article 5 of ZUNK
(USD)

| Date <br> October | Price |  |  |
| :---: | :---: | :---: | :---: |
|  | Minimum | Maximum | Average weighted |
| 1 | 57.90 | 59.77 | 58.01 |
| 6 | 57.84 | 58.38 | 58.06 |
| 7 | 58.96 | 60.00 | 58.98 |
| 8 | 58.00 | 58.00 | 58.00 |
| 11 | 59.00 | 59.92 | 59.18 |
| 12 | 59.00 | 59.00 | 59.00 |
| 14 | 59.00 | 61.49 | 60.57 |
| 15 | 62.10 | 62.10 | 62.10 |
| 18 | 62.33 | 62.33 | 62.33 |
| 19 | 48.50 | 62.28 | 63.00 |
| 20 | 59.00 | 63.05 | 62.56 |
| 21 | 61.42 | 62.78 | 63.80 |
| 22 | 63.10 | 63.83 | 63.85 |
| 25 | 63.85 | 64.41 | 63.55 |
| 26 | 63.00 | 65.62 | 65.25 |
| 27 | 63.00 | 65.40 | $\mathbf{6 0 . 8 4}$ |
| 29 | 65.00 | $\mathbf{6 5 . 6 2}$ |  |
| Monthly | $\mathbf{4 8 . 5 0}$ |  |  |

Note: Data is based on privatization and outright transactions registered by the BNB.

Quotations of Bulgarian Brady Bonds*
(USD)

| Date October | DISCs |  | FLIRBs |  | IABs |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Offer | Bid | Offer | Bid | Offer | Bid |
| 1 | 69.50 | 68.75 | 64.00 | 62.75 | 71.88 | 70.88 |
| 4 | 69.88 | 69.13 | 63.50 | 62.75 | 72.00 | 71.00 |
| 5 | 70.75 | 70.00 | 64.13 | 63.63 | 72.50 | 71.25 |
| 6 | 71.00 | 69.50 | 65.00 | 63.75 | 73.00 | 72.25 |
| 7 | 71.88 | 71.38 | 66.25 | 65.75 | 74.13 | 73.38 |
| 8 | 73.50 | 72.50 | 66.63 | 65.50 | 74.50 | 73.50 |
| 11 | 73.13 | 72.63 | 66.38 | 65.88 | 74.63 | 73.38 |
| 12 | 72.75 | 72.25 | 65.50 | 65.00 | 74.00 | 73.00 |
| 13 | 72.50 | 72.00 | 66.13 | 65.38 | 74.50 | 73.50 |
| 14 | 72.75 | 72.25 | 66.13 | 65.50 | 74.63 | 73.38 |
| 15 | 72.75 | 72.00 | 66.00 | 65.13 | 74.38 | 73.38 |
| 18 | 72.13 | 71.63 | 65.38 | 64.88 | 74.00 | 73.00 |
| 19 | 72.50 | 72.25 | 66.00 | 65.50 | 74.63 | 74.13 |
| 20 | 72.50 | 72.00 | 66.25 | 65.75 | 74.88 | 73.88 |
| 21 | 72.13 | 71.63 | 65.75 | 65.25 | 74.75 | 73.88 |
| 22 | 74.00 | 73.25 | 67.38 | 65.00 | 76.50 | 75.50 |
| 25 | 73.88 | 73.38 | 66.88 | 66.25 | 76.25 | 75.38 |
| 26 | 74.75 | 74.00 | 68.00 | 67.00 | 77.13 | 76.13 |
| 27 | 74.13 | 73.50 | 68.00 | 67.13 | 76.00 | 75.00 |
| 28 | 74.50 | 73.75 | 68.00 | 67.00 | 76.50 | 75.50 |
| 29 | 75.00 | 74.13 | 67.75 | 67.25 | 77.00 | 76.00 |

[^0]
# Volume and Structure of Government Securities Secondary Market Transactions in October 

1. Volume of transactions in government securitiesdenominated in levs (million BGN nominal value)260.12- repo agreements* ..... 198.50- outright sales61.62- privatization transactions2. Volume of transactions in government securities
denominated in US dollars and euro (lev equivalent, million BGN) ..... 53.00
- repo agreements* ..... 9.95
- outright sales ..... 39.43
- privatization transactions ..... 3.62

3. Number of secondary market transactions ..... 305

- repo agreements** ..... 157
- outright sales ..... 144
- privatization transactions ..... 4

4. Average term of secondary market repo agreements (days) ..... 5.675. Average monthly yield (simple interest) on secondary marketrepo agreements depending on the term (\%)
1 day ..... 0.24
from 2 to 3 days ..... 0.24
from 4 to 7 days ..... 0.26
up to 1 month ..... 0.29

* Volume of reverse repo agreements excluded.
** Number of reverse repo agreements excluded.

Yield of Repo Agreements in Government Securities and Interest Rate on Interbank Deposits on a Monthly Basis (October)


Source: BNB.

## Structure of Secondary Market Transactions in Lev-denominated Government Securities in October



Source: BNB.

Chart 8
Structure of Secondary Market Transactions in Government Securities Denominated in US Dollars and Euro in October


Source: BNB.

Volume and Yield of Deposits in the Interbank Market and Repo Agreements in Government Securities

|  | 1 day |  | from 2 to 3 days |  | from 4 to 7 days |  | from 8 to 30 days |  | over 30 days |  | $\frac{\text { Total }}{\text { Volume }}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Volume | Yield | Volume | Yield | Volume | Yield | Volume | Yield | Volume | Yield |  |
| 01.10.1999 <br> Deposits <br> Repo agreements |  |  | $\begin{array}{r} 10263 \\ 7041 \end{array}$ | $\begin{array}{r} 1.94 \\ 2.04 \\ \hline \end{array}$ | 1000 | 2.53 |  |  |  |  | $\begin{array}{r} 10263 \\ 8041 \end{array}$ |
| 04.10.1999 <br> Deposits <br> Repo agreements | $\begin{aligned} & 6714 \\ & 6900 \\ & \hline \end{aligned}$ | $\begin{aligned} & 2.17 \\ & 2.41 \\ & \hline \end{aligned}$ | 250 | 2.10 | $\begin{array}{r} 480 \\ 7437 \end{array}$ | $\begin{aligned} & 3.20 \\ & 2.66 \\ & \hline \end{aligned}$ | 2270 | 3.93 | 6000 | 4.20 | $\begin{aligned} & 15714 \\ & 14337 \end{aligned}$ |
| 05.10.1999 <br> Deposits <br> Repo agreements | $\begin{aligned} & 7163 \\ & 5334 \end{aligned}$ | $\begin{aligned} & 2.05 \\ & 2.23 \end{aligned}$ | $\begin{aligned} & 3000 \\ & 3500 \end{aligned}$ | $\begin{aligned} & 2.10 \\ & 2.33 \end{aligned}$ | $\begin{aligned} & 1000 \\ & 2506 \end{aligned}$ | $\begin{aligned} & 2.50 \\ & 2.70 \end{aligned}$ | 1739 | 3.27 | 1900 | 3.93 | $\begin{aligned} & 14802 \\ & 11340 \end{aligned}$ |
| 06.10.1999 <br> Deposits <br> Repo agreements | $\begin{aligned} & 9501 \\ & 3810 \end{aligned}$ | $\begin{array}{r} 1.96 \\ 2.33 \\ \hline \end{array}$ | 1000 | 2.10 | $\begin{aligned} & 2164 \\ & 4098 \end{aligned}$ | $\begin{aligned} & 2.73 \\ & 2.77 \\ & \hline \end{aligned}$ | $\begin{aligned} & 4660 \\ & 1000 \\ & \hline \end{aligned}$ | $\begin{aligned} & 3.57 \\ & 3.24 \\ & \hline \end{aligned}$ | 2000 | 5.17 | $\begin{array}{r} 19325 \\ 8908 \end{array}$ |
| 07.10.1999 <br> Deposits <br> Repo agreements | 15171 | 2.32 |  |  | 10300 | 2.82 | $\begin{aligned} & 1100 \\ & 1679 \end{aligned}$ | $\begin{aligned} & 3.43 \\ & 3.45 \\ & \hline \end{aligned}$ | 1000 | 5.00 | $\begin{array}{r} 27571 \\ 1679 \\ \hline \end{array}$ |
| 08.10.1999 <br> Deposits <br> Repo agreements |  |  | $\begin{array}{r} 12750 \\ 4000 \end{array}$ | $\begin{aligned} & 2.37 \\ & 2.53 \end{aligned}$ | $\begin{aligned} & 1800 \\ & 4839 \end{aligned}$ | $\begin{aligned} & 2.72 \\ & 2.63 \end{aligned}$ | 2540 | 3.54 | $\begin{aligned} & 500 \\ & 500 \end{aligned}$ | $\begin{aligned} & 4.00 \\ & 4.36 \end{aligned}$ | $\begin{array}{r} 17590 \\ 9339 \end{array}$ |
| 11.10.1999 <br> Deposits <br> Repo agreements | 16350 | 2.47 | $\begin{aligned} & 2000 \\ & 2040 \\ & \hline \end{aligned}$ | $\begin{aligned} & 2.50 \\ & 2.64 \\ & \hline \end{aligned}$ | $\begin{aligned} & 1000 \\ & 2000 \\ & \hline \end{aligned}$ | $\begin{aligned} & 3.15 \\ & 2.94 \end{aligned}$ | $\begin{array}{r} 1282 \\ 950 \\ \hline \end{array}$ | $\begin{aligned} & 3.45 \\ & 3.32 \\ & \hline \end{aligned}$ | 1075 | 4.31 | $\begin{array}{r} 20632 \\ 6065 \\ \hline \end{array}$ |
| 12.10.1999 <br> Deposits <br> Repo agreements | $\begin{array}{r} 21148 \\ 1000 \\ \hline \end{array}$ |  | $\begin{array}{r} 500 \\ 11190 \\ \hline \end{array}$ | $\begin{aligned} & 3.20 \\ & 2.66 \\ & \hline \end{aligned}$ | $\begin{aligned} & 1000 \\ & 9900 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3.50 \\ 2.91 \\ \hline \end{array}$ | 599 | 3.45 |  |  | $\begin{aligned} & 23247 \\ & 22090 \\ & \hline \end{aligned}$ |
| 13.10.1999 <br> Deposits <br> Repo agreements | $\begin{array}{r} 19177 \\ 1000 \end{array}$ | 2.72 <br> 3.04 | $\begin{aligned} & 3000 \\ & 2552 \end{aligned}$ | $\begin{aligned} & 3.00 \\ & 2.80 \end{aligned}$ | $\begin{aligned} & 3022 \\ & 1292 \end{aligned}$ | $\begin{aligned} & 3.43 \\ & 3.11 \\ & \hline \end{aligned}$ | $\begin{aligned} & 2540 \\ & 1000 \end{aligned}$ | $\begin{aligned} & 3.50 \\ & 3.45 \end{aligned}$ |  |  | $\begin{array}{r} 27739 \\ 5844 \end{array}$ |
| 14.10.1999 <br> Deposits <br> Repo agreements | $\begin{array}{r} 12661 \\ 1863 \\ \hline \end{array}$ | $\begin{aligned} & 2.79 \\ & 3.14 \\ & \hline \end{aligned}$ |  |  | $\begin{aligned} & 6380 \\ & 3500 \end{aligned}$ | $\begin{aligned} & 3.47 \\ & 2.74 \\ & \hline \end{aligned}$ | 2440 | 3.54 | 4700 | 4.23 | $\begin{array}{r} 26181 \\ 5363 \end{array}$ |
| 15.10.1999 <br> Deposits <br> Repo agreements |  |  | $\begin{array}{r} 22150 \\ 1863 \\ \hline \end{array}$ | $\begin{aligned} & 2.86 \\ & 3.14 \end{aligned}$ | 4900 | 3.23 | 1758 | 3.85 |  |  | $\begin{array}{r} 28808 \\ 1863 \\ \hline \end{array}$ |
| 18.10.1999 <br> Deposits <br> Repo agreements | $\begin{array}{r} 17999 \\ 6938 \\ \hline \end{array}$ | $\begin{array}{r} 2.93 \\ 3.10 \\ \hline \end{array}$ | $\begin{aligned} & 2000 \\ & 1000 \\ & \hline \end{aligned}$ | $\begin{aligned} & 3.40 \\ & 3.55 \\ & \hline \end{aligned}$ | $\begin{array}{r} 2000 \\ 205 \\ \hline \end{array}$ | $\begin{aligned} & 3.70 \\ & 3.85 \\ & \hline \end{aligned}$ | 770 | 3.80 |  |  | $\begin{array}{r} 22769 \\ 8143 \\ \hline \end{array}$ |
| 19.10.1999 <br> Deposits <br> Repo agreements | $\begin{aligned} & 7958 \\ & 7457 \\ & \hline \end{aligned}$ | $\begin{aligned} & 3.27 \\ & 3.14 \end{aligned}$ | $\begin{array}{r} 500 \\ 4000 \end{array}$ | $\begin{aligned} & 3.60 \\ & 3.50 \end{aligned}$ | $\begin{aligned} & 1196 \\ & 2000 \end{aligned}$ | $\begin{aligned} & 3.74 \\ & 3.95 \end{aligned}$ |  |  | 1000 | 4.39 | $\begin{aligned} & 10654 \\ & 13457 \end{aligned}$ |
| 20.10.1999 <br> Deposits <br> Repo agreements | $\begin{array}{r} 14900 \\ 6547 \\ \hline \end{array}$ | $\begin{array}{r} 3.39 \\ 3.24 \\ \hline \end{array}$ | $\begin{aligned} & 3400 \\ & 3000 \\ & \hline \end{aligned}$ | $\begin{aligned} & 3.59 \\ & 3.65 \\ & \hline \end{aligned}$ | $\begin{array}{r} 2100 \\ 327 \\ \hline \end{array}$ | $\begin{aligned} & 4.05 \\ & 4.09 \\ & \hline \end{aligned}$ | 400 | 3.60 |  |  | $\begin{array}{r} 20800 \\ 9874 \\ \hline \end{array}$ |
| 21.10.1999 <br> Deposits <br> Repo agreements | $\begin{array}{r} 17900 \\ 1500 \end{array}$ | $\begin{aligned} & 3.35 \\ & 3.55 \end{aligned}$ |  |  | $\begin{aligned} & 1600 \\ & 8240 \end{aligned}$ | $\begin{aligned} & 3.71 \\ & 3.36 \end{aligned}$ | 1600 | 4.10 | 600 | 4.00 | $\begin{array}{r} 21700 \\ 9740 \end{array}$ |

(continued)

|  | 1 day |  | from 2 to 3 days |  | from 4 to 7 days |  | from 8 to 30 days |  | over 30 days |  | Total |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Volume | Yield | Volume | Yield | Volume | Yield | Volume | Yield | Volume | Yield | Volume |
| 22.10.1999 <br> Deposits <br> Repo agreements |  |  | $\begin{aligned} & 8000 \\ & 4155 \end{aligned}$ | $\begin{aligned} & 3.15 \\ & 3.72 \\ & \hline \end{aligned}$ | $\begin{aligned} & 3500 \\ & 2000 \\ & \hline \end{aligned}$ | $\begin{aligned} & 3.62 \\ & 3.62 \end{aligned}$ | 306 | 4.30 | 1000 | 4.30 | $\begin{array}{r} 12806 \\ 6155 \end{array}$ |
| 25.10.1999 <br> Deposits <br> Repo agreements | $\begin{aligned} & 5300 \\ & 4547 \end{aligned}$ | $\begin{array}{r} 2.69 \\ 3.05 \\ \hline \end{array}$ | 1000 | 3.30 | $\begin{aligned} & 1900 \\ & 1500 \end{aligned}$ | $\begin{aligned} & 3.82 \\ & 3.11 \end{aligned}$ | $\begin{array}{r} 1190 \\ 700 \\ \hline \end{array}$ | $\begin{aligned} & 3.50 \\ & 3.45 \\ & \hline \end{aligned}$ | 1600 | 4.38 | $\begin{array}{r} 10990 \\ 6747 \\ \hline \end{array}$ |
| 26.10.1999 <br> Deposits <br> Repo agreements | $\begin{array}{r} 17700 \\ 4191 \end{array}$ | $\begin{array}{r} 2.81 \\ 2.84 \\ \hline \end{array}$ | $\begin{aligned} & 2300 \\ & 3900 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3.13 \\ 2.84 \\ \hline \end{array}$ | $\begin{array}{r} 299 \\ 4831 \end{array}$ | $\begin{aligned} & 3.47 \\ & 3.66 \\ & \hline \end{aligned}$ | 1062 | 3.80 | 1400 | 5.19 | $\begin{aligned} & 22761 \\ & 12922 \end{aligned}$ |
| 27.10.1999 <br> Deposits <br> Repo agreements | $\begin{array}{r} 21432 \\ 2515 \end{array}$ | $\begin{aligned} & 2.79 \\ & 3.02 \end{aligned}$ | $\begin{aligned} & 4000 \\ & 6257 \end{aligned}$ | $\begin{array}{r} 3.00 \\ 2.94 \\ \hline \end{array}$ | $\begin{array}{r} 24180 \\ 1188 \end{array}$ | $\begin{aligned} & 3.62 \\ & 3.77 \end{aligned}$ | $\begin{array}{r} 806 \\ 3600 \end{array}$ | $\begin{aligned} & 3.48 \\ & 3.63 \end{aligned}$ | 1000 | 5.58 | $\begin{aligned} & 51418 \\ & 13560 \end{aligned}$ |
| 28.10.1999 <br> Deposits <br> Repo agreements | $\begin{array}{r} 20800 \\ 1925 \end{array}$ | $\begin{aligned} & 2.53 \\ & 2.88 \end{aligned}$ | 1000 | 3.00 | $\begin{aligned} & 4396 \\ & 7236 \end{aligned}$ | $\begin{aligned} & 3.28 \\ & 3.28 \\ & \hline \end{aligned}$ | 90 | 4.00 | 1040 | 4.46 | $\begin{aligned} & 26286 \\ & 10201 \end{aligned}$ |
| 29.10.1999 <br> Deposits <br> Repo agreements |  |  | $\begin{aligned} & 10835 \\ & 11884 \end{aligned}$ | $\begin{aligned} & 3.05 \\ & 3.09 \\ & \hline \end{aligned}$ | $\begin{aligned} & 2000 \\ & 5241 \end{aligned}$ | $\begin{array}{r} 3.27 \\ 3.24 \\ \hline \end{array}$ | $\begin{array}{r} 364 \\ 48 \\ \hline \end{array}$ | $\begin{aligned} & 3.60 \\ & 3.16 \\ & \hline \end{aligned}$ | 2000 | 5.64 | $\begin{aligned} & 15199 \\ & 17173 \\ & \hline \end{aligned}$ |

Notes: 1. Volumes of transactions and deposits in thousand BGN.
2. Volumes of repo agreements include agreements concluded during the current day.
3. Yield is calculated on an annual basis.
4. Lev equivalent of the transactions in USD-denominated government securities based on the USD exchange rate on the day of transaction.

| DateOctober | Repo agreements | Outright sales | Regulation No. 5 |  |  |  | Privatization transactions | Transactions in GS, total | Transactions in securities in the Bulgarian Stock Exchange |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Art. 14 | Art. 15 | Art. 20 | Art. 21 |  |  | Stock exchange | OTC market | Total |
| 1 | 25724100.00 | 2445361.76 | 2013486.40 | 803832.38 | 1165015.00 | - | 5685.03 | 32157480.57 | 17000.00 | 105000.00 | 122000.00 |
| 4 | 24852900.00 | 1850000.00 | 3173773.20 | 138437.70 | - | - | - | 30015110.90 | 2000.00 | 49000.00 | 51000.00 |
| 5 | 18240000.00 | 1700000.00 | 3646172.46 | 135832.91 | 94881.28 | - | - | 23816886.65 | 9000.00 | 75000.00 | 84000.00 |
| 6 | 15292135.00 | 4863467.00 | 2000000.00 | 3751269.11 | - | - | - | 25906871.11 | 45000.00 | 1565000.00 | 1610000.00 |
| 7 | 10688630.00 | 2491079.00 | 4280416.20 | 1004245.14 | - | - | 1639.42 | 18466009.76 | 2000.00 | 78000.00 | 80000.00 |
| 8 | 14712703.00 | 5267370.00 | 2839276.20 | 2269508.00 | 20000.00 | - | - | 25108857.20 | 3000.00 | 398000.00 | 401000.00 |
| 11 | 18894925.00 | 9262527.85 | 6517829.00 | 3965712.18 | - | - | - | 38640994.03 | 500.00 | 166000.00 | 166500.00 |
| 12 | 40859440.00 | 8035497.80 | 9227737.00 | 2597876.96 | - | - | - | 60720551.76 | 400.00 | 56000.00 | 56400.00 |
| 13 | 12371565.00 | 4453814.00 | 3400000.00 | 13564261.00 | 4583400.00 | 95334.72 | - | 38468374.72 | 2000.00 | 30000.00 | 32000.00 |
| 14 | 11752500.00 | 3724888.75 | 10218867.00 | 1291722.28 | 5099166.50 | 99261.36 | - | 32186405.89 | 423000.00 | 223000.00 | 646000.00 |
| 15 | 13215703.00 | 8091168.00 | 8845317.00 | 10949331.29 | - | - | - | 41101519.29 | 8000.00 | 35000.00 | 43000.00 |
| 18 | 15705500.00 | 4699730.00 | 7453788.74 | 3573986.48 | - | 2392808.37 | - | 33825813.59 | 4000.00 | 185000.00 | 189000.00 |
| 19 | 30295200.00 | 9885532.44 | 2002602.00 | 4063632.00 | 1799620.00 | - | - | 48046586.44 | 3000.00 | 154000.00 | 157000.00 |
| 20 | 20623145.00 | 5633959.40 | 2903970.00 | 13278367.50 | 3615880.00 | - | 3579721.20 | 49635043.10 | 6000.00 | 236000.00 | 242000.00 |
| 21 | 21565260.00 | 4187043.00 | 8562966.80 | 15692047.30 | 5444460.00 | - | - | 55451777.10 | 7000.00 | 80000.00 | 87000.00 |
| 22 | 11655000.00 | 8437443.30 | 7681294.80 | 4928803.97 | - | - | - | 32702542.07 | 6000.00 | 344000.00 | 350000.00 |
| 25 | 20796630.00 | 2454505.00 | 1369398.52 | 3625740.70 | 909010.00 | - | - | 29155284.22 | 4000.00 | 54000.00 | 58000.00 |
| 26 | 19468790.00 | 5816360.90 | 5623869.96 | 1918886.00 | 1830790.00 | - | 17209.43 | 34675906.29 | 5000.00 | 27000.00 | 32000.00 |
| 27 | 19078540.00 | 5768189.00 | 1867880.00 | 7178476.30 | - | - | - | 33893085.30 | 10000.00 | 24000.00 | 34000.00 |
| 28 | 16615970.80 | 2012770.00 | 11879613.91 | 4755992.66 | - | - | - | 35264347.37 | 4000.00 | 223000.00 | 227000.00 |
| 29 | 27355463.00 | 2926125.40 | 2520000.00 | 2945568.46 | 4456032.00 | 51987.04 | - | 40255175.90 | 50000.00 | 97000.00 | 147000.00 |
| TOTAL | 409764099.80 | 104006832.60 | 108028259.20 | 102433530.32 | 29018254.78 | 2639391.49 | 3604255.08 | 759494623.26 | 610900.00 | 4204000.00 | 4814900.00 |

Notes: 1. The amount of the bids approved for participation in government securities auctions on behalf of nonprimary dealers of BGN $1,000,000$ is included.
2. The amount of approved competitive and noncompetitive bids on behalf of companies and individuals of BGN $6,339,939$ is included.
3. The volume of repo agreements includes reverse repo agreements and repo agreements concluded during the current day.
4. Transfer transactions of government securities to the MF account used as legal tender in privatization are considered to be privatization transactions.
5. Transactions in USD-denominated government securities are in levs at the US dollar exchange rate quoted by the BNB on the day of transaction.
6. Banking Department data on the volume of transactions in the Bulgarian Stock Exchange.

## Volume of Secondary Market Transactions in Government Securities Issued for Structural Reform in October



Source: BNB.

Chart 10

## Volume of Secondary Market Transactions in Government Securities Issued for Budget Deficit Financing in October



[^1]
## Outstanding Government Securities

## Discount Treasury Bills


(continued)

| Issue No. | BG3011399006 | BG3011699009 | BG3012199009 | BG3012499003 | BG3012799006 | BG3013099000 | BG3013399004 | BG3013699007 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Issue date | 04.03.1999 | 17.03.1999 | 07.04.1999 | 21.04.1999 | 05.05.1999 | 19.05.1999 | 02.06.1999 | 16.06.1999 |
| Maturity date | 02.03.2000 | 15.03.2000 | 05.04.2000 | 19.04.2000 | 03.05.2000 | 17.05.2000 | 31.05 .2000 | 14.06.2000 |
| Nominal value of the offer (thousand BGN) | 15000.00 | 15000.00 | 15000.00 | 15000.00 | 10000.00 | 10000.00 | 10000.00 | 10000.00 |
| Total nominal value of the bids received (thousand BGN) | 43240.00 | 31790.00 | 42960.00 | 42660.50 | 28000.00 | 17250.00 | 11125.00 | 14120.00 |
| Total nominal value of the bids approved (thousand BGN) | 15000.00 | 15000.00 | 15000.00 | 15000.00 | 10000.00 | 10000.00 | 10000.00 | 10000.00 |
| Average price of the bids approved per BGN 100 (\%) | ) 94.03 | 94.09 | 94.32 | 94.54 | 94.82 | 94.94 | 94.85 | 94.69 |
| Average discount per BGN 100 (\%) | 5.97 | 5.91 | 5.68 | 5.46 | 5.18 | 5.06 | 5.15 | 5.31 |
| Average annual yield (\%) | 6.37 | 6.30 | 6.04 | 5.79 | 5.48 | 5.34 | 5.44 | 5.62 |
| Effective annual yield (\%) | 6.37 | 6.30 | 6.04 | 5.79 | 5.48 | 5.34 | 5.44 | 5.62 |
| Coverage coefficient | 2.88 | 2.12 | 2.86 | 2.84 | 2.80 | 1.73 | 1.11 | 1.41 |

(continued)

| Issue No. | BG3014099009 | BG3014299005 | BG3014599008 | BG3014799004 | BG3014899002 | BG3014999000 | BG3015099008 | BG3015199006 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Issue date | 30.06.1999 | 07.07.1999 | 21.07.1999 | 04.08.1999 | 04.08.1999 | 11.08.1999 | 18.08.1999 | 18.08.1999 |
| Maturity date | 29.12.1999 | 05.07.2000 | 19.07.2000 | 03.11.1999 | 02.08.2000 | 10.11.1999 | 17.11.1999 | 16.08.2000 |
| Nominal value of the offer (thousand BGN) | 10000.00 | 7500.00 | 7500.00 | 5000.00 | 9000.00 | 5000.00 | 5000.00 | 9000.00 |
| Total nominal value of the bids received (thousand BGN) | 8070.00 | 14376.00 | 11800.00 | 6431.00 | 12333.69 | 8625.00 | 8200.00 | 9012.00 |
| Total nominal value of the bids approved (thousand BGN) | 8070.00 | 7500.00 | 7500.00 | 5000.00 | 9000.00 | 5000.00 | 5000.00 | 9000.00 |
| Average price of the bids approved per BGN 100 (\%) | ) 97.28 | 94.31 | 94.33 | 98.82 | 94.18 | 98.83 | 98.83 | 93.89 |
| Average discount per BGN 100 (\%) | 2.72 | 5.69 | 5.67 | 1.18 | 5.82 | 1.17 | 1.17 | 6.11 |
| Average annual yield (\%) | 5.61 | 6.05 | 6.03 | 4.79 | 6.20 | 4.75 | 4.75 | 6.53 |
| Effective annual yield (\%) | 5.69 | 6.05 | 6.03 | 4.88 | 6.20 | 4.83 | 4.83 | 6.53 |
| Coverage coefficient | 0.81 | 1.92 | 1.57 | 1.29 | 1.37 | 1.73 | 1.64 | 1.00 |

(continued)

| Issue No. | BG3015299004 | BG3015399002 | BG3015499000 | BG3015599007 | BG3015699005 | BG3015799003 | BG3015899001 | BG3015999009 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Issue date | 25.08.1999 | 01.09.1999 | 01.09.1999 | 08.09.1999 | 15.09.1999 | 15.09.1999 | 24.09.1999 | 29.09.1999 |
| Maturity date | 24.11.1999 | 01.12.1999 | 30.08.2000 | 08.12.1999 | 15.12.1999 | 13.09.2000 | 24.12.1999 | 29.12.1999 |
| Nominal value of the offer (thousand BGN) | 5000.00 | 5000.00 | 8000.00 | 5000.00 | 5000.00 | 8000.00 | 5000.00 | 5000.00 |
| Total nominal value of the bids received (thousand BGN) | 7586.98 | 7288.00 | 11420.00 | 9950.00 | 11030.00 | 21661.30 | 13827.50 | 14950.00 |
| Total nominal value of the bids approved (thousand BGN) | 5000.00 | 5000.00 | 8000.00 | 5000.00 | 5000.00 | 8000.00 | 5000.00 | 5000.00 |
| Average price of the bids approved per BGN 100 (\%) | ) 98.82 | 98.83 | 92.84 | 98.83 | 98.84 | 93.32 | 98.86 | 98.89 |
| Average discount per BGN 100 (\%) | 1.18 | 1.17 | 7.16 | 1.17 | 1.16 | 6.68 | 1.14 | 1.11 |
| Average annual yield (\%) | 4.79 | 4.75 | 7.73 | 4.75 | 4.71 | 7.18 | 4.63 | 4.50 |
| Effective annual yield (\%) | 4.88 | 4.83 | 7.73 | 4.83 | 4.79 | 7.18 | 4.71 | 4.58 |
| Coverage coefficient | 1.52 | 1.46 | 1.43 | 1.99 | 2.21 | 2.71 | 2.77 | 2.99 |

(continued)
BG3016099007 BG3016199005 BG3016299003 BG3016399001 BG3016499009 BG3016599006 BG3016699004
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Issue No.
Issue date
Maturity date
Nominal value of the offer (thousand BGN)
Total nominal value of the
bids received (thousand
BGN)
Total nominal value of the
bids approved (thousand BGN)
Average price of the bids approved per BGN 100 (\%) Average discount per BGN

[^2]Coverage coefficient
Outstanding Government Securities

| Issue No./Date | 11/30.01.95 | 23/02.03.95 | 49/04.05.95 | 200/31.05.95 | 72/20.07.95 | 85/14.09.95 | 106/30.11.95 | 113/28.12.95 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Maturity date | 30.01.2004 | 02.03.2000 | 27.04.2000 | 21.05.2002 | 13.07.2000 | 07.09.2000 | 23.11.2000 | 21.12.2000 |
| Nominal value of the offer (thousand BGN) | 25.00 | 500.00 | 1000.00 | 9320.25 | 2982.00 | 2000.00 | 800.00 | 1016.80 |
| Total nominal value of the bids received (thousand BGN) | 25.00 | 400.00 | 1000.00 | 9320.25 | 2982.00 | 960.00 | 220.00 | 1016.80 |
| Total nominal value of the bids approved (thousand BGN) | 25.00 | 400.00 | 1000.00 | 9320.25 | 2982.00 | 960.00 | 220.00 | 1016.80 |
| Average price of the bids approved per BGN 100 (\%) | 100.00 | 100.00 | 98.00 | 100.00 | 96.43 | 93.81 | 92.86 | 92.34 |
| Average discount per BGN 100 (\%) | - | - | 2.00 | - | 3.57 | 6.19 | 7.14 | 7.66 |
| Interest rate | BIR | BIR | BIR | BIR | BIR | BIR | BIR | BIR |
| Coverage coefficient | 1.00 | 0.80 | 1.00 | 1.00 | 1.00 | 0.48 | 0.28 | 1.00 |

(continued)

| Issue No. | BG2030396126 | BG2031096121 | BG2033297123 | BG2034797121 | BG2041097028 | BG2045397127 | BG2045997124 | BG2046497124 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Issue date | 29.02.1996 | 30.05.1996 | 09.05.1997 | 16.05.1997 | 17.07.1997 | 20.11.1997 | 04.12.1997 | 18.12.1997 |
| Maturity date | 22.02.2001 | 23.05.2001 | 05.05.2000 | 10.05.2002 | 13.07.2000 | 18.11.1999 | 02.12.1999 | 16.12.1999 |
| Nominal value of the offer (thousand BGN) | 1000.00 | 800.00 | 35000.00 | 20000.00 | 35000.00 | 5000.00 | 2500.00 | 2000.00 |
| Total nominal value of the bids received (thousand BGN) | 200.00 | 800.00 | 30910.00 | 20000.00 | 54150.00 | 3950.00 | 2480.00 | 6880.00 |
| Total nominal value of the bids approved (thousand BGN) | 50.00 | 800.00 | 30000.00 | 20000.00 | 35000.00 | 1350.00 | 2480.00 | 2000.00 |
| Average price of the bids approved per BGN 100 (\%) | 91.50 | 100.00 | 100.00 | 100.00 | 97.75 | 96.66 | 94.58 | 94.16 |
| Average discount per BGN 100 (\%) | 8.50 | - | 0.00 | 0.00 | 2.25 | 3.34 | 5.42 | 5.84 |
| Interest rate | BIR | BIR+7 | BIR+4 | BIR+4 | BIR | $(x+1) .182 / 365^{1}$ | $(x+1) .182 / 365^{1}$ | $(x+1) \cdot 182 / 365{ }^{1}$ |
| Coverage coefficient | 0.20 | 1.00 | 0.88 | 1.00 | 1.55 | 0.79 | 0.99 | 3.44 |
| ${ }^{1} \boldsymbol{x}$ - annual yield of 6-month | government secu | urities at the auctior | tion preceding the | he interest period |  |  |  | ontinued) |

(continued)

| Issue No. | BG2030098128 | BG2030198110 | BG2030298116 | BG2030398114 | BG2030498112 | BG2030598119 | BG2030698117 | BG2030798115 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Issue date | 15.01.1998 | 29.01.1998 | 12.02.1998 | 05.03.1998 | 19.03.1998 | 02.04.1998 | 16.04.1998 | 30.04.1998 |
| Maturity date | 13.01.2000 | 27.01.2000 | 10.02.2000 | 02.03.2000 | 16.03.2000 | 30.03.2000 | 13.04.2000 | 24.04.2003 |
| Nominal value of the offer (thousand BGN) | 5000.00 | 5000.00 | 5000.00 | 5000.00 | 5000.00 | 5000.00 | 5000.00 | 1000.00 |
| Total nominal value of the bids received (thousand BGN) | 17425.00 | 16360.00 | 13320.00 | 10620.00 | 7970.00 | 8540.00 | 14565.00 | 3605.00 |
| Total nominal value of the bids approved (thousand BGN) | 5000.00 | 5000.00 | 5000.00 | 5000.00 | 5000.00 | 5000.00 | 5000.00 | 1000.00 |
| Average price of the bids approved per BGN 100 (\%) | 94.88 | 95.86 | 96.11 | 95.54 | 95.46 | 94.97 | 94.43 | 87.14 |
| Average discount per BGN 100 (\%) | 5.12 | 4.14 | 3.89 | 4.46 | 4.54 | 5.03 | 5.57 | 12.86 |
| Interest rate | $(x+1) \cdot 182 / 365^{1}$ | 8.00 | 8.00 | 7.50 | 7.50 | 7.50 | 7.00 | 8.00 |
| Coverage coefficient | 3.49 | 3.27 | 2.66 | 2.12 | 1.59 | 1.71 | 2.91 | 3.61 |

${ }^{l} \boldsymbol{x}$ - annual yield of 6-month government securities at the auction preceding the interest period.
(continued)

| Issue No. | BG2030898113 | BG2030998111 | BG2031098119 | BG2031198117 | BG2031298115 | BG2031398113 | BG2031498111 | BG2031598118 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Issue date | 14.05.1998 | 28.05.1998 | 18.06.1998 | 02.07.1998 | 16.07.1998 | 30.07.1998 | 20.08.1998 | 03.09.1998 |
| Maturity date | 11.05 .2000 | 22.05.2003 | 15.06.2000 | 26.06.2003 | 13.07.2000 | 26.07.2001 | 17.08.2000 | 30.08.2001 |
| Nominal value of the offer (thousand BGN) | 5000.00 | 2000.00 | 5000.00 | 2000.00 | 5000.00 | 1000.00 | 5000.00 | 1000.00 |
| Total nominal value of the bids received (thousand BGN) | 14041.00 | 3440.00 | 7825.00 | 2070.00 | 6450.00 | 2750.00 | 11450.00 | 1400.00 |
| Total nominal value of the bids approved (thousand BGN) | 5000.00 | 2000.00 | 5000.00 | 2000.00 | 5000.00 | 1000.00 | 5000.00 | 1000.00 |
| Average price of the bids approved per BGN 100 (\%) | 95.47 | 84.78 | 93.53 | 76.20 | 92.70 | 89.60 | 92.97 | 87.85 |
| Average discount per BGN 100 (\%) | 4.53 | 15.22 | 6.47 | 23.80 | 7.30 | 10.40 | 7.03 | 12.15 |
| Interest rate | 7.00 | 8.00 | 6.00 | 7.00 | 6.00 | 7.00 | 6.00 | 6.50 |
| Coverage coefficient | 2.81 | 1.72 | 1.57 | 1.04 | 1.29 | 2.75 | 2.29 | 1.40 |

(continued)

| Issue No. | BG2031698116 | BG2031798114 | BG2031898112 | BG2031998110 | BG2032098118 | BG2032198116 | BG2032298114 | BG2030099118 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Issue date | 17.09.1998 | 01.10.1998 | 15.10.1998 | 29.10.1998 | 19.11.1998 | 03.12.1998 | 17.12.1998 | 13.01.1999 |
| Maturity date | 14.09.2000 | 27.09.2001 | 12.10.2000 | 25.10.2001 | 16.11.2000 | 29.11.2001 | 14.12.2000 | 10.01.2001 |
| Nominal value of the offer (thousand BGN) | 5000.00 | 1500.00 | 5000.00 | 1500.00 | 1000.00 | 500.00 | 1000.00 | 5000.00 |
| Total nominal value of the bids received (thousand BGN) | 6640.00 | 1155.00 | 7900.00 | 700.00 | 3700.00 | 1250.00 | 2647.02 | 13053.00 |
| Total nominal value of the bids approved (thousand BGN) | 5000.00 | 1055.00 | 5000.00 | 250.00 | 1000.00 | 500.00 | 1000.00 | 5000.00 |
| Average price of the bids approved per BGN 100 (\%) | 92.45 | 86.89 | 91.71 | 83.48 | 93.32 | 95.55 | 99.82 | 99.60 |
| Average discount per BGN 100 (\%) | 7.55 | 13.11 | 8.29 | 16.52 | 6.68 | 4.45 | 0.18 | 0.40 |
| Interest rate | 6.00 | 6.50 | 6.00 | 6.50 | 6.50 | 9.00 | 9.00 | 9.00 |
| Coverage coefficient | 1.33 | 0.77 | 1.58 | 0.47 | 3.70 | 2.50 | 2.65 | 2.61 |

（continued）
BG2030199116 BG2030299114 BG2030399112 BG2030499110 BG2030599117 BG2030699115 BG2030799113 BG2030899111
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99.38
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Issue No．
Issue No．
Issue date

## Maturity date

Nominal value of the offer
（thousand BGN） Total nominal value of the
bids received（thousand
BGN）
Total nominal value of the bids approved（thousand BGN）
Average price of the bids approved per BGN 100 （\％） Average discount per BGN $100(\%)$
Interest rate
Coverage coefficient
(continued)

| Issue No. | BG2030999119 | BG2031099117 | BG2031299113 | BG2031399111 | BG2031699114 | BG2031799112 | BG2031899110 | BG2031999118 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Issue date | 29.04.1999 | 12.05.1999 | 26.05.1999 | 09.06.1999 | 23.06.1999 | 14.07.1999 | 28.07.1999 | 11.08.1999 |
| Maturity date | 22.04.2004 | 09.05.2001 | 23.05.2001 | 06.06.2001 | 20.06.2001 | 11.07.2001 | 25.07.2001 | 08.08.2001 |
| Nominal value of the offer (thousand BGN) | 1190.00 | 20000.00 | 20000.00 | 20000.00 | 15000.00 | 12000.00 | 10000.00 | 10000.00 |
| Total nominal value of the bids received (thousand BGN) | 1190.00 | 25720.00 | 25827.40 | 15965.00 | 11220.00 | 16170.00 | 13105.50 | 11325.00 |
| Total nominal value of the bids approved (thousand BGN) | 1190.00 | 20000.00 | 20000.00 | 15965.00 | 11220.00 | 12000.00 | 10000.00 | 10000.00 |
| Average price of the bids approved per BGN 100 (\%) | 78.39 | 99.98 | 98.98 | 97.18 | 93.55 | 93.54 | 93.26 | 92.59 |
| Average discount per BGN 100 (\%) | 21.61 | 0.02 | 1.02 | 2.82 | 6.45 | 6.46 | 6.74 | 7.41 |
| Interest rate | 9.00 | 8.00 | 8.00 | 8.00 | 8.00 | 8.00 | 8.00 | 8.00 |
| Coverage coefficient | 1.00 | 1.29 | 1.29 | 0.80 | 0.75 | 1.35 | 1.31 | 1.13 |


(continued)

| Issue No. BG | BG2032099116 | BG2032199114 | BG2032299112 | BG2032399110 | BG2032499118 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Issue date | 25.08.1999 | 08.09.1999 | 24.09.1999 | 13.10.1999 | 27.10.1999 |
| Maturity date | 22.08.2001 | 05.09.2001 | 21.09.2001 | 10.10.2001 | 24.10.2001 |
| Nominal value of the offer (thousand BGN) |  |  |  |  |  |
|  | 8000.00 | 8000.00 | 8000.00 | 8000.00 | 10000.00 |
| Total nominal value of the bids received (thousand BGN) |  |  |  |  |  |
|  | 9080.63 | 16600.00 | 34781.00 | 39093.50 | 28485.05 |
| Total nominal value of the bids approved (thousand BGN) |  |  |  |  |  |
|  | 8000.00 | 8000.00 | 8000.00 | 8000.00 | 10000.00 |
| Average price of the bids approved per BGN 100 (\%) | \%) 91.92 | 91.05 | 94.71 | 98.02 | 98.53 |
| Average discount per BGN 100 (\%) | N <br> 8.08 | 8.95 | 5.29 | 1.98 | 1.47 |
| Interest rate | 8.00 | 8.00 | 9.00 | 9.00 | 9.00 |
| Coverage coefficient | 1.14 | 2.08 | 4.35 | 4.89 | 2.85 |
| Source: MF. |  |  |  |  |  |

## Government Securities Issued for Structural Reform

Guaranty Government Securities

| Issue No. B | BG2040296225 | BG2040396223 | BG2040596228 | BG2044397227 | BG2047397224 | BG2047597229 | BG2047497222 | BG2047697227 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Issue date | 05.06.1996 | 12.06.1996 | 27.06.1996 | 18.08.1997 | 22.10.1997 | 22.10.1997 | 27.10.1997 | 05.11.1997 |
| Maturity date | 28.05.2003 | 04.06.2003 | 19.06.2003 | 09.08.2004 | 13.10.2004 | 13.10.2004 | 18.10.2004 | 27.10.2004 |
| Principal (thousand BGN) | ) 3428.57 | 3622.12 | 453.18 | 21129.85 | 2330.52 | 7593.12 | 6732.26 | 12419.73 |
| Interest rate | BIR | BIR | BIR | BIR | BIR | BIR | BIR | BIR |
| Interest payments | semiannual | semiannual | semiannual | semiannual | semiannual | semiannual | semiannual | semiannual |
| Repayments | equal annual | equal annual | equal annual | equal annual | equal annual | equal annual | equal annual | equal annual |
| Maturity (in years) | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| Issue No. B | BG2040098225 | BG2040298221 | BG2040398229 |  |  |  |  |  |
| Issue date | 29.01.1998 | 12.02.1998 | 10.03.1998 |  |  |  |  |  |
| Maturity date | 20.01.2005 | 03.02.2005 | 01.03.2005 |  |  |  |  |  |
| Principal (thousand BGN) | 2936.32 | 2741.11 | 116.06 |  |  |  |  |  |
| Interest rate | BIR | BIR | BIR |  |  |  |  |  |
| Interest payments | semiannual | semiannual | semiannual |  |  |  |  |  |
| Repayments | equal annual | equal annual | equal annual |  |  |  |  |  |
| Maturity (in years) | 7 | 7 | 7 |  |  |  |  |  |

(continued)
Foreign Currency Guaranty Government Securities

| Issue No. | BG2040097110 | BG2040198116 | BG2040297116 | BG2040397114 | BG2045697112 | BG2047297119 | BG2047797118 | BG2047897116 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Issue date | 02.05.1997 | 29.01.1998 | 21.10.1997 | 21.10.1997 | 15.08.1997 | 18.08.1997 | 24.10.1997 | 05.11.1997 |
| Maturity date | 28.04.2000 | 25.01.2001 | 17.10.2000 | 17.10.2000 | 11.08.2000 | 14.08.2000 | 20.10.2000 | 01.11.2000 |
| Principal (million USD) | 8.86 | 0.51 | 1.44 | 0.66 | 2.04 | 36.51 | 23.33 | 5.34 |
| Interest rate <br> Interest payments <br> Repayments | LIBOR+2 <br> semiannual <br> one-off <br> at maturity | LIBOR+2 <br> semiannual <br> one-off <br> at maturity | LIBOR+2 <br> semiannual <br> one-off <br> at maturity | LIBOR+2 <br> semiannual <br> one-off <br> at maturity | LIBOR+2 <br> semiannual <br> one-off <br> at maturity | LIBOR+2 <br> semiannual <br> one-off <br> at maturity | LIBOR+2 <br> semiannual <br> one-off <br> at maturity | LIBOR+2 <br> semiannual <br> one-off <br> at maturity |
| Maturity (in years) | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| Issue No. | BG2040498110 | BG2040598117 | BG2040698115 |  |  |  |  |  |
| Issue date | 13.02.1998 | 13.03.1998 | 11.05 .1998 |  |  |  |  |  |
| Maturity date | 09.02.2001 | 06.03.2001 | 07.05.2001 |  |  |  |  |  |
| Principal (million USD) | 3.13 | 0.05 | 1.01 |  |  |  |  |  |
| Interest rate | LIBOR+2 | LIBOR+2 | LIBOR+2 |  |  |  |  |  |
| Interest payments | semiannual | semiannual | semiannual |  |  |  |  |  |
| Repayments | one-off at maturity | one-off at maturity | one-off at maturity |  |  |  |  |  |
| Maturity (in years) | 3 | 3 | 3 |  |  |  |  |  |

 under the following conditions:
(a) in levs - 7-year redemption term; interest - BIR for the respective period, payable semiannually; redemption schedule - equal annual installments.

 applying to trade in interest coupon derivative financial instruments, to be registered in BNB Government Securities Depository.

 fore the enforcement of the Law on Bank Deposit Guaranty, as well as to the special fund for state protection of deposits and accounts and guaranty government securities service. Principals of lev guaranty government securities are based on actual data as of 31 October 1999. Source: $M F$.

Government Securities Issued to Settle Nonperforming Credits of State-owned Companies to Banks

|  | Legal regulation | CMD 244/91 | CMD 186/93 | Art. 4 ZUNK/93 | Art. 5 ZUNK/93 | CMD 3/94 | CMD 89/95 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Issue No. | BG 2000192224 | BG 2009993226 | BG 2009893228 | BG 2009794228 | BG 2009693222 | 200/1995 |
|  | Issue date | 01.01.1992 | 01.07.1993 | 01.10.1993 | 01.01.1994 | 01.12.1993 | 31.05.1995 |
|  | Maturity date | 01.01.2011 | 01.07.2017 | 01.10.2018 | 01.01.2019 | 01.12.2018 | 21.05.2002 |
|  | Maturity (years) | 19 | 24 | 25 | 25 | 25 | 7 |
|  | Grace period (years) | 4 | 4 | 5 | 5 | 5 | 4 |
| $\underset{\sim}{\infty}$ | Redemption term (years) | 15 | 20 | 20 | 20 | 20 | 3 |
|  | Repayments | $\begin{gathered} 15 \text { equal } \\ \text { annual } \\ \text { installments } \end{gathered}$ | $\begin{aligned} & 20 \text { equal } \\ & \text { annual } \\ & \text { installments } \end{aligned}$ | $\begin{gathered} 20 \text { equal } \\ \text { annual } \\ \text { installments } \end{gathered}$ | $\begin{gathered} 20 \text { equal } \\ \text { annual } \\ \text { installments } \end{gathered}$ | $\begin{aligned} & 20 \text { equal } \\ & \text { annual } \\ & \text { installments } \end{aligned}$ | 6 equal semiannual installments |
| $\underset{<}{2}$ | Principal (thousand) | 3302.08 (BGN) | 2301.90 (BGN) | 8346.69 (BGN) | 497360 (USD) | 931.34 (BGN) | 9320.28 (BGN) |
| $\underset{\sim}{0}$ | Interest payments | semiannual | semiannual | semiannual | semiannual | annual | semiannual |
| 家 | 1999 interest | BIR+1 | $2 / 3$ BIR | 2/3 BIR | LIBOR* | $2 / 3$ BIR | BIR |

* Six-month LIBOR of the US dollar for the preceding interest period; the amount of interest coupon is announced by the Minister of Finance three days after the beginning of each interest period.

Principals are based on actual data as of 31 October 1999.
Long-term government bonds transferred on the MF account with the BNB are included in the debt amount under ZUNK.
Pursuant to CM Decree No. 221 of 1995 holders of long-term government bonds issued under ZUNK, CM Decrees No. 244 of 1991 , No. 186 of 1993 , No. 3 of 1994 may be used as legal tender in privatization transactions.

Pursuant to CM Decree No. 22 of 1995, long-term government bonds issued under ZUNK may be used to repay obligations of state-owned enterprises, firms and commercial companies to the government, transformed under Article 10 of ZUNK. In meeting these obligations, long-term government bonds are valued at their nominal for the bonds denominated in US dollars, and $80 \%$ for those denominated in levs.

Source: MF.


## INVESTMENTS OF NONBANK FINANCIAL INSTITUTIONS,

 COMPANIES AND INDIVIDUALS IN GOVERNMENT SECUURITIES
## Investments in Government Securities <br> Issued under Regulation No. 5 and Target Issues

The volume of government securities sales for budget deficit financing decreased in October. As of 31 October 1999 government securities (issued under Regulation No. 5) held by individuals, companies and nonbank financial institutions totaled BGN 114,974 thousand (Chart 11), a decrease of BGN 6,275 thousand, or $5.18 \%$, on the previous month. Investments in target government
securities earmarked for sale to physical persons accounted for BGN 19,088 thousand (Chart 12), an increase of BGN 483 thousand, or $2.6 \%$, on September.

In October sales of government securities issued under Regulation No. 5 included three-month treasury bills of BGN 4,125.4 thousand, six-month of BGN 250,000 thousand, one-year of BGN 670 thousand, and two-year treasury bonds of BGN 2,959.3 thousand. Three-month treasury bills occupied the largest share in total government securities sales in October, 53.2\%.

Chart 11

## Investments of Nonbank Financial Institutions, Companies and Individuals in Government Securities Issued under Regulation No. 5



Note: Preliminary data for October 1999.


Notes: 1. Preliminary data for October 1999.
2. Target issues dated 13 October 1999 excluded.

Source: BNB.

## Target Issues of Government Securities Earmarked for Physical Persons

Between 29 September and 26 October $1999{ }^{1}$ the MF offered for sale six issues of government securities earmarked for physical persons under the following conditions:

- Two issues of six-month target discount treasury bills yielding $5.9 \%$ annually. Their average weighted monthly yield is $0.49 \%$ (Chart 13). No repurchases are effected by the clients prior to

[^3]maturity of these government securities.

- Two issues of twelve-month target discount treasury bills ensuring 6.99\% annual yield. Their average weighted monthly yield is $0.58 \%$ (Chart 14). Reverse repurchase of these government securities starts six months after their issue at prices set by the issuer, with their effective annual yield increasing proportionally from beginning to end of the reverse repurchase period.
- Two issues of two-year savings treasury bonds with fixed annual yield in the form of semiannual interest payment, effective as of the issue date. The last interest payment is effected at maturity together with the nominal value of government securities. The annual interest rate of the first interest coupon is $9 \%$, the sec-

Yield of Six-month Government Securities from Target Issues


Source: BNB.

Chart 14
Yield of Twelve-month Government Securities from Target Issues

ond $10 \%$, the third $11 \%$, and fourth $12 \%$. Reverse repurchases of these bonds start six months after their issue at prices set by the issuer. Reverse repurchase price of two-year savings government securities issues is set by accruing the previous coupon annual rate of interest to the nominal value for the period since the latest interest payment until the reverse repurchase date.

Sales of these government securities totaled BGN 841.6 thousand nominal value: six-month treasury bills of BGN 19.6 thousand ( $2.32 \%$ ), twelvemonth treasury bills of BGN 72.6 thousand $(8.63 \%)$ and two-year savings treasury bonds of BGN 749.4 thousand ( $89.05 \%$ ). Data shows that during the reporting period investors opted for two-
year savings treasury bonds (Chart 15) generating higher yield.

## Investments in Government Securities Issued for Structural Reform

The slight upward trend in the volume of government securities acquired by individuals, companies and nonbank financial institutions and issued for structural reform continued in October. As of 31 October total sales of government securities accounted for BGN 327,120.1 thousand (including sales to foreign investors), an increase of BGN 20,828 thousand from September (Chart 17).

The bulk of government securities issued for structural reform was sold by commercial banks (77.4\%) and other fi-

Chart 15
Maturity Structure of Target Government Securities Sold through the BNB and Primary Dealers in October


Source: BNB.

Volume of Target Government Securities Sales to Physical Persons


Source: BNB.
nancial institutions ( $22.6 \%$ ).
Lev-denominated government securities held by individuals, companies and nonbank financial institutions totaled BGN 8,631.1 thousand ( $2.71 \%$ of total sales), while USD-denominated government securities issued under ZUNK accounted for BGN 318,489.1 thousand.

## Foreign Investments in Government Securities

The volume of government securities held by foreign investors increased in October. As of 31 October 1999 government securities acquired by foreign investors totaled BGN 162,226 thousand (Chart 18), an increase of BGN 19,475.3 thousand ( $13.6 \%$ ) on September.

Government securities issued under Regulation No. 5 and acquired by for-
eign investors accounted for BGN 484.5 thousand. By end-October the volume of target government securities (earmarked for direct sale to physical persons) held by nonresidents remained unchanged: BGN 7.5 thousand.

As of 31 October USD-denominated long-term government bonds held by foreign investors increased by USD 9 million, reaching USD 78.4 million, equivalent to BGN 146.6 million, an increase of BGN 19.4 million, or $15.3 \%$, on the previous month. The relative share of these government securities on domestic debt totaled $90.38 \%$ in foreign investors' portfolios. The volume of sold EUR-denominated government securities remained unchanged: EUR 7.7 million (9.31\%).

## Investments of Nonbank Financial Institutions, Companies and Individuals in Government Securities Issued for Structural Reform



Note: Data on USD-denominated government securities shows the lev equivalent based on the USD exchange rate at the end of month. Preliminary data for October 1999.

Source: BNB.
Chart 18
Government Securities in Foreign Investors' Portfolios


Note: Preliminary data for October 1999.
Source: BNB.

## Volume and Maturity Structure of Government Securities

 held by Foreign Investors by 31 OctoberNote: Preliminary data.

## Holders of Government Securities Issued under

 Regulation No. 5 and of Target Issues by 31 October

Notes: 1. Including frozen government securities by financial institutions.
2. Excluding guaranty government securities issued under the LSPDACB.
3. Preliminary data.

## Holders of USD-denominated Government Securities Issued under ZUNK by 31 October



Notes: 1. Including frozen government securities by financial institutions.
2. Preliminary data.

Source: BNB.

Chart 22

## Holders of Lev-denominated Government Securities Issued for Structural Reform by 31 October



Notes: 1. Including frozen government securities by financial institutions.
2. Preliminary data.

## SALES OF GOVERNMENT SECUURITIES FOR

## PARTICIPATION IN PRIVATIZATION TRANSACTIONS

In October long-term government bonds issued under Article 5 of ZUNK, totaling USD 2 million, were sold for participation in privatization. Pursuant to Article 5 of the Regulation on participation in privatization of holders of longterm government bonds issued under the terms of ZUNK, CM Decrees Nos. 244 of 1991, 186 of 1993 and 3 of 1994, these government securities were transferred to the MF account for participation in 4 privatization transactions as legal tender; they were canceled at the end of October.

The average weighted price of the bonds issued under Article 5 of ZUNK and sold for participation in privatization was USD 62.50 per USD 100 nominal value (Chart 23).

In October no transfer transactions in government securities from issue No. 98 of 1993 (to be used as legal tender in privatization transactions) were registered.

In October pursuant to Article 1 of the Regulation on the procedure for utilization of long-term government bonds

Chart 23

## Price Dynamics of Government Securities Issued under Articles 4 and 5 of ZUNK and Sold to Companies and Individuals for Participation in Privatization



Source: BNB.
issued under ZUNK for repayment of debts to the government arising under the same law (published in the State Gazette, issue 12 of 3 February 1995), ma-
turing long-term government bonds of USD 0.64 million (issued under Article 5 of ZUNK) were used.

> Volume of Long-term Government Bonds Used as Legal Tender in Privatization Transactions

|  | Year | Jan. | Feb. | March | April | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Total |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| I. Government | 1994 |  |  |  |  | 19.20 | 0.10 | 501.40 | 110.70 | 177.00 | 76.70 | 609.80 | 28.30 | 1523.20 |
| securities in BGN | 1995 | 88.20 | 257.20 | 65.00 | 35.50 | 143.60 | 132.40 | 262.90 | 148.90 | 59.80 | 54.90 | 242.50 | 354.90 | 1845.80 |
| (thousand BGN) | 1996 | 5.70 | 53.90 | 16.50 | 113.90 | 16.60 | 147.80 | 19.90 | 46.00 | 121.30 | 309.60 | 541.20 | 1151.20 | 2543.60 |
|  | 1997 | 210.70 | 1374.90 | 114.90 | 1259.35 | 4354.90 | 744.30 | 500.80 | 175.00 | 209.10 | 184.50 | 135.60 | 144.70 | 9408.75 |
|  | 1998 | 3916.30 | 17.18 | 238.60 | 13.70 | 60.00 | 90.72 | 27.30 | 3.96 | 0.00 | 11.47 | 0.00 | 0.00 | 4379.23 |
|  | 1999 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |  | 0.00 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| II. Government | 1994 |  |  |  |  |  | 0.80 | 0.10 | 0.10 | 0.90 | 1.70 |  | 3.90 | 7.50 |
| securities in USD | 1995 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| (million USD) | 1996 | 0.18 | 0.23 | 0.32 | 2.22 | 0.04 | 2.47 | 0.20 | 2.21 | 0.22 | 4.29 | 1.22 | 0.76 | 14.37 |
|  | 1997 | 4.96 | 0.68 | 4.10 | 0.11 | 1.54 | 1.41 | 6.22 | 1.73 | 3.86 | 2.63 | 2.15 | 10.26 | 39.64 |
|  | 1998 | 31.50 | 4.79 | 11.00 | 13.00 | 13.15 | 10.59 | 5.18 | 13.78 | 4.77 | 3.60 | 4.55 | 2.81 | 118.72 |
|  | 1999 | 9.50 | 1.61 | 5.34 | 0.67 | 0.61 | 0.21 | 0.66 | 0.03 | 0.04 | 2.00 |  |  | 20.67 |

II. Government
securities in EUR
$\begin{array}{llllll}\text { (thousand EUR) } & 1999 & 2.79 & 0.00 & 0.00 & 2.79\end{array}$

Notes: 1. Government securities in BGN include long-term government bonds issued under Article 4 of ZUNK, CM Decrees No. 186 of 1993, and No. 3 of 1994.
2. Government securities in USD include long-term government bonds issued under Article 5 of ZUNK and denominated in US dollars.
3. Government securities in EUR include long-term government bonds denominated in euro and issued pursuant to § 10 of Transitional and Final Provisions of 1999 SBL (issue No. 400 of 1999).

## GOVERNMENT SECURITIES PRIMARY DEALERS AND REUTERS PAGES FOR GOVERNMENT SECURITIES OUOTATIONS

Pursuant to Article 4, para. 1 of Regulation No. 5 of 1998, by resolution of BNB Managing Board and letter of the Minister of Finance, the following are approved as government securities primary dealers:

## FOR THE PERIOD 1 JULY - 31 DECEMBER 1999

BIOCHIM
BNP - DRESDNERBANK
BULBANK
BULGARIAN POST BANK
BULGARIA-INVEST
BRIBANK
DSK BANK
SII INVEST LTD.
EVROBANK
EXPRESSBANK
NEFTINVESTBANK
ING BANK
UNITED BULGARIAN BANK
MUNICIPAL BANK
FIRST INVESTMENT BANK
RAIFFEISENBANK
ROSSEXIMBANK
SOCIETE GENERALE
HEBROS
UNIONBANK
EUROFINANCE FINANCIAL HOUSE
ELANA FINANCIAL BROKERAGE HOUSE

SUMMARIZED QUOTATION PAGES

BNB pages containing information on the government
securities interbank market

CBBB 01-03
BSBD 01-03
BGTB 01-03
BPBB 01-03
BGIN 01-03
RIBB 01-03
SSBG 01-03
SIIB 01
EBSF 01-03
EBVB 01
OBBG 01-03
INBS 01-03
UBBB 01-03
SMBK 01-03
BFIB 01-03
RBBS 01-03
REBS 01
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BGBNB 9

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[^0]:    * Reuters quotations.

[^1]:    Source: BNB.

[^2]:    Average annual yield (\%)
    Effective annual yield (\%)

[^3]:    ${ }^{1}$ The period under review starts from the issue date and finishes at the end of issue periods, since data is obtained and registered after the sale of a particular issue has been finished. Therefore, this period does not correspond to the calendar month and includes two issue periods or four weeks.

