## JUNE

# Secondary Market of Government Securities 

## 1999

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## Abbreviations

BGL - National Currency of the Republic of Bulgaria
BIR - Base Interest Rate
BNB - Bulgarian National Bank
CGB - Central Government Budget
CM - Council of Ministers
DISCs - Discount Bonds
FLIRBs - Front-loaded Interest Reduction Bonds
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
SII - State Insurance Institute
ZUNK - Bulgarian Abbreviation of the Law on Settlement of Nonperforming Credits
Negotiated prior to 31 December 1990 (LSNC)

## GOVERNMENT SECUURITIES INTERBANK MARKET

## Interbank Market of Government

 Securities Issued under Regulation No. 5In June 1999 financial institutions concluded 505 transactions in government securities (including the number and volume of reverse repurchase agreements) issued for budget deficit financing, totaling BGL $687,615.6$ million nominal value, an increase of $61.4 \%$ compared with the same period of the previous year. In June 1998 transactions of BGL 425,998.8 million nominal value were registered, Chart 1.

Over the period under review the volume of secondary market transactions in
government securities between primary dealers issued under Regulation No. 5 (reverse repo agreements volume excluded) totaled BGL 352,776.7 million, including three-month treasury bills of BGL 8,767.9 million, six-month of BGL 13,324.3 million, twelve-month of BGL 172,391.4 million, two-year of BGL 139,673.1 million and up to five years of BGL 18,620 million (Chart 2). In June sales in government securities intensified, their volume increasing by $29.3 \%$; structurally, demand for twelvemonth treasury bills occupied the largest share. It should be noticed that trade in two-year government securities signifi-

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.
cantly rose in June, their volume increasing by $66.1 \%$.

In June 1999 secondary market transactions on behalf of clients (i. e. under Article 20 of Regulation No. 5) decreased on the previous month to BGL 1,793.3 million. Transactions between nonprimary dealers and physical or legal persons (i. e. transactions under Article 21 of Regulation No. 5) considerably increased compared with May, reaching BGL 544 million. The volume of transactions between primary and nonprimary dealers (under Article 14 of Regulation No. 5) rose from May, reaching BGL 73,579.3 million, including bids approved at the government securities auctions on behalf of nonprimary dealers of BGL 5,020 million.

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

In June financial institutions concluded 73 transactions in USD-denominated government securities issued as a result of structural reform, totaling USD 144.6 million nominal value (including the number and volume of reverse repurchase agreements). In June, 40 outright transactions of USD 103.3 million, 13 repo agreements of USD 27.2 million, and 20 transactions on behalf of clients of USD 14.1 million (under Articles 14, 20 and 21 of Regulation No. 5) were concluded. One transaction of BGL 260 million was concluded in levdenominated government securities is- in the Interbank Market


Source: BNB.
sued as a result of structural reform. No transactions in foreign currency guaranty government securities were concluded in June.

Thirty two transactions of USD 18.9 million under Article 14, para. 6 of Regulation No. 5 and two transactions of BGL 481.7 million were concluded in June.

A new debt instrument - EUR-denominated government securities - was launched in the market; three transactions of EUR 23.8 million were registered in June.

An upward trend in forex ZUNK bonds sales was reported in June and sales volumes increased 2.5 times. This is due to a four-fold increase of outright transactions, a result of the dollar ZUNK
bonds interest coupon on 1 July. The volume of transactions was unevenly distributed in June, reflecting some specific transactions.

Interbank market prices ranged between USD 56 and USD 58.56 per USD 100 nominal value by end-June. They did not reflect price movements of Bulgarian Brady bonds in the international markets. Prices of outright transactions for participation in privatization were traditionally higher than those in the interbank market.

Government Securities Repo Agreements in the Interbank Market

In June the volume of repo agreements traded in the secondary interbank

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 June | Price |  |  |
| :---: | :---: | :---: | :---: |
|  | Minimum | Maximum | Average weighted |
| 3 | 56.00 | 56.00 | 56.00 |
| 4 | 53.90 | 57.10 | 54.23 |
| 7 | 54.00 | 59.70 | 54.27 |
| 8 | 54.25 | 54.25 | 54.25 |
| 9 | 55.40 | 57.20 | 55.81 |
| 10 | 55.50 | 55.50 | 55.50 |
| 11 | 54.50 | 57.00 | 55.81 |
| 14 | 57.25 | 60.00 | 57.31 |
| 15 | 57.50 | 59.75 | 57.60 |
| 16 | 56.50 | 58.48 | 57.49 |
| 17 | 58.25 | 60.00 | 58.35 |
| 18 | 57.75 | 59.00 | 57.77 |
| 22 | 58.00 | 58.38 | 58.25 |
| 23 | 58.25 | 59.75 | 58.59 |
| 24 | 58.39 | 58.63 | 58.43 |
| 25 | 59.00 | 59.00 | 59.00 |
| 28 | 58.50 | 58.60 | 58.56 |
| Monthly | 53.90 | 60.00 | 56.90 |

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

## Quotations of Bulgarian Brady Bonds*

| Date <br> June | DISCs |  | FLIRBs |  | IABs |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Offer | Bid | Offer | Bid | Offer | Bid |
|  |  |  |  |  |  |  |
| 1 | 65.75 | 64.25 | 58.50 | 57.00 | 64.75 | 63.50 |
| 2 | 65.50 | 64.50 | 57.75 | 57.25 | 64.75 | 63.75 |
| 3 | 66.38 | 65.25 | 59.25 | 58.13 | 65.50 | 63.00 |
| 4 | 66.75 | 66.50 | 59.63 | 59.38 | 66.25 | 65.63 |
| 7 | 68.13 | 67.00 | 62.00 | 61.13 | 67.13 | 66.50 |
| 8 | 68.25 | 68.00 | 62.13 | 61.88 | 67.88 | 66.75 |
| 9 | 68.00 | 67.50 | 62.00 | 61.75 | 67.38 | 66.75 |
| 10 | 68.00 | 67.13 | 62.00 | 60.50 | 68.00 | 66.75 |
| 11 | 68.25 | 67.75 | 60.50 | 60.00 | 68.00 | 67.13 |
| 14 | 68.88 | 68.13 | 61.75 | 61.25 | 69.00 | 68.00 |
| 15 | 69.63 | 67.50 | 62.75 | 61.50 | 69.50 | 68.50 |
| 16 | 69.00 | 68.50 | 62.00 | 61.38 | 69.25 | 68.25 |
| 17 | 70.50 | 69.00 | 62.88 | 61.75 | 70.00 | 69.00 |
| 18 | 69.75 | 69.25 | 63.00 | 62.13 | 69.50 | 68.50 |
| 21 | 69.88 | 69.25 | 63.50 | 61.50 | 69.50 | 68.50 |
| 22 | 69.38 | 69.00 | 62.63 | 61.50 | 69.75 | 68.75 |
| 23 | 68.50 | 68.00 | 61.63 | 61.00 | 69.13 | 68.13 |
| 24 | 68.38 | 67.50 | 61.38 | 60.00 | 68.25 | 67.25 |
| 25 | 68.00 | 67.00 | 60.25 | 59.25 | 68.00 | 67.00 |
| 28 | 67.50 | 67.00 | 59.63 | 59.38 | 68.25 | 67.25 |
| 29 | 68.00 | 67.38 | 60.25 | 59.00 | 68.00 | 67.13 |
| 30 | 69.00 | 67.75 | 61.50 | 59.50 | 70.00 | 68.25 |

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## Volume and Structure of Government Securities Secondary Market Transactions in June

1. Volume of transactions in government securitiesdenominated in levs (billion BGL nominal value)352.78- repo agreements* ..... 291.11- outright sales61.67
- privatization transactions

2. Volume of transactions in government securities denominated in US dollars and Euro (lev equivalent, billion BGL) ..... 164.86

- repo agreements* ..... 21.85
- outright sales ..... 142.62
- privatization transactions ..... 0.39

3. Number of secondary market transactions ..... 387

- repo agreements** ..... 203
- outright sales ..... 133
- privatization transactions ..... 51

4. Average term of secondary market repo agreements (days) ..... 6.535. Average monthly yield (simple interest) on secondary marketrepo agreements depending on the term (\%)
1 day ..... 0.25
from 2 to 3 days ..... 0.24
from 4 to 7 days ..... 0.27
up to 1 month ..... 0.32

* Volume of reverse repo agreements excluded.
** Number of reverse repo agreements excluded.
market was uneven (Chart 5). The high was on 15 June 1999, when banks renegotiated their repo agreements. On the same date interest rates on interbank deposits also rose due to increased demand for funds by commercial banks. The volume of traded deposits hit a low on 21 June due to injection of liquidity into banks related to government securities interest and maturities.

In June the yield of repo agreements reflected insignificant changes in the base interest rate; June saw a decrease in the average term (in terms of days) and a significant increase in the volume of outright transactions in government securities. The yield of repo agreements in gov-
ernment securities of up to one-month maturity was higher than the yield of interbank deposits of the same maturity, while the yield of repo agreements in government securities of one, three and seven days was lower than the yield of interbank deposits (Chart 6). June saw a significantly increased activity in the interbank secondary market, particularly strong in the first half of June due to acquisition of new issues and regulation of minimum required reserves with the BNB. Due to forthcoming redenomination of the Bulgarian lev, traded volumes decreased in the second half of the period under review.

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


Source: BNB.

Chart 7

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



## Structure of Secondary Market Transactions in USD-denominated Government Securities in June



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 |  | TotalVolume |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Volume | Yield | Volume | Yield | Volume | Yield | Volume | Yield | Volume | Yield |  |
| 1.06.1999 <br> Deposits <br> Repo agreements | $\begin{aligned} & 15850 \\ & 13617 \\ & \hline \end{aligned}$ | $\begin{aligned} & 2.21 \\ & 2.64 \\ & \hline \end{aligned}$ | $\begin{array}{r} 5500 \\ 6056 \\ \hline \end{array}$ | $\begin{array}{r} 2.64 \\ 2.69 \\ \hline \end{array}$ | 3200 | 3.08 | $\begin{aligned} & 2244 \\ & 2871 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3.43 \\ 3.45 \\ \hline \end{array}$ | 500 | 3.55 | $\begin{aligned} & 26794 \\ & 23044 \end{aligned}$ |
| 2.06.1999 Deposits Repo agreements | $\begin{array}{r} 6500 \\ 22721 \end{array}$ | $\begin{aligned} & 2.31 \\ & 2.61 \end{aligned}$ |  |  | $\begin{aligned} & 4446 \\ & 5000 \end{aligned}$ | $\begin{aligned} & 2.77 \\ & 2.94 \end{aligned}$ | $\begin{aligned} & 4000 \\ & 1874 \end{aligned}$ | $\begin{aligned} & 3.48 \\ & 3.65 \end{aligned}$ | 800 | 3.55 | $\begin{aligned} & 15746 \\ & 29595 \end{aligned}$ |
| 3.06.1999 Deposits Repo agreements | 6850 | 1.83 |  |  | 4140 | 2.84 | $\begin{aligned} & 200 \\ & 500 \end{aligned}$ | $\begin{aligned} & 3.20 \\ & 3.36 \end{aligned}$ | 200 | 3.55 | $\begin{array}{r} 11390 \\ 500 \\ \hline \end{array}$ |
| 4.06.1999 <br> Deposits <br> Repo agreements | 50 | 2.20 | $\begin{aligned} & 14100 \\ & 16960 \end{aligned}$ | $\begin{aligned} & 2.14 \\ & 2.61 \\ & \hline \end{aligned}$ | $\begin{aligned} & 7189 \\ & 2040 \\ & \hline \end{aligned}$ | $\begin{aligned} & 2.75 \\ & 2.53 \\ & \hline \end{aligned}$ | 1000 | 3.10 |  |  | $\begin{aligned} & 22339 \\ & 19000 \\ & \hline \end{aligned}$ |
| 7.06.1999 Deposits Repo agreements | $\begin{array}{r} 15025 \\ 7405 \\ \hline \end{array}$ | 2.29 2.57 | $\begin{aligned} & 3100 \\ & 3139 \\ & \hline \end{aligned}$ | 2.39 2.64 | $\begin{aligned} & 3270 \\ & 3004 \\ & \hline \end{aligned}$ | 2.98 2.84 | $\begin{aligned} & 1500 \\ & 3000 \\ & \hline \end{aligned}$ | $\begin{aligned} & 3.27 \\ & 2.62 \\ & \hline \end{aligned}$ | $\begin{array}{r} 1500 \\ 410 \end{array}$ | $\begin{array}{r} 3.70 \\ 4.00 \\ \hline \end{array}$ | $\begin{array}{r} 24395 \\ 16958 \\ \hline \end{array}$ |
| 8.06.1999 <br> Deposits <br> Repo agreements | $\begin{array}{r} 10900 \\ 3000 \end{array}$ | $\begin{aligned} & 1.86 \\ & 2.53 \end{aligned}$ | $\begin{aligned} & 3900 \\ & 4140 \end{aligned}$ | 2.33 <br> 2.53 | $\begin{aligned} & 4050 \\ & 2000 \end{aligned}$ | $\begin{aligned} & 2.81 \\ & 2.94 \end{aligned}$ | 6052 | 2.91 | $\begin{array}{r} 1000 \\ 885 \end{array}$ | $\begin{aligned} & 1.40 \\ & 3.98 \end{aligned}$ | $\begin{aligned} & 25902 \\ & 10025 \end{aligned}$ |
| 9.06.1999 <br> Deposits <br> Repo agreements | $\begin{array}{r} 23301 \\ 6000 \\ \hline \end{array}$ | $\begin{array}{r} 2.42 \\ 2.59 \\ \hline \end{array}$ | $\begin{aligned} & 4100 \\ & 2000 \\ & \hline \end{aligned}$ | $\begin{array}{r} 2.45 \\ 2.58 \\ \hline \end{array}$ | $\begin{array}{r} 3600 \\ 10612 \\ \hline \end{array}$ | $\begin{array}{r} 2.73 \\ 2.89 \\ \hline \end{array}$ | $\begin{array}{r} 2674 \\ 4946 \\ \hline \end{array}$ | $\begin{array}{r} 3.15 \\ 3.31 \\ \hline \end{array}$ |  |  | $\begin{aligned} & 33675 \\ & 23558 \\ & \hline \end{aligned}$ |

(continued)
(continued)

|  | 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 |  |
| 10.06.1999 <br> Deposits <br> Repo agreements | $\begin{array}{r} 11240 \\ 5599 \end{array}$ | $\begin{aligned} & 2.06 \\ & 2.64 \end{aligned}$ |  |  | $\begin{aligned} & 7190 \\ & 3100 \end{aligned}$ | $\begin{aligned} & 2.84 \\ & 2.67 \end{aligned}$ | $\begin{array}{r} 650 \\ 3669 \end{array}$ | $\begin{aligned} & 3.30 \\ & 3.26 \end{aligned}$ | 900 | 3.92 | $\begin{aligned} & 19080 \\ & 13268 \end{aligned}$ |
| 11.06.1999 <br> Deposits <br> Repo agreements |  |  | $\begin{aligned} & 12150 \\ & 20805 \end{aligned}$ | $\begin{aligned} & 2.67 \\ & 2.69 \end{aligned}$ | $\begin{aligned} & 10700 \\ & 10075 \end{aligned}$ | $\begin{aligned} & 3.03 \\ & 2.80 \end{aligned}$ | $\begin{array}{r} 2801 \\ 490 \\ \hline \end{array}$ | $\begin{aligned} & 2.66 \\ & 3.45 \end{aligned}$ | 2000 | 3.25 | $\begin{array}{r} 27651 \\ 31370 \\ \hline \end{array}$ |
| 14.06.1999 <br> Deposits <br> Repo agreements | $\begin{array}{r} 9800 \\ 17305 \end{array}$ | $\begin{aligned} & 2.60 \\ & 2.65 \\ & \hline \end{aligned}$ |  |  | 5820 | 2.91 | $\begin{aligned} & 5260 \\ & 3000 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3.53 \\ 3.35 \\ \hline \end{array}$ | 300 | 4.00 | $\begin{aligned} & 20880 \\ & 20605 \\ & \hline \end{aligned}$ |
| 15.06.1999 <br> Deposits <br> Repo agreements | $\begin{aligned} & 14170 \\ & 10175 \end{aligned}$ | $\begin{aligned} & 2.78 \\ & 2.71 \\ & \hline \end{aligned}$ | $\begin{aligned} & 10000 \\ & 13710 \\ & \hline \end{aligned}$ | $\begin{aligned} & 2.85 \\ & 2.74 \end{aligned}$ | $\begin{aligned} & 5550 \\ & 4700 \end{aligned}$ | $\begin{aligned} & 3.03 \\ & 3.06 \\ & \hline \end{aligned}$ | $\begin{aligned} & 7000 \\ & 7000 \end{aligned}$ | $\begin{aligned} & 3.30 \\ & 3.13 \end{aligned}$ |  |  | $\begin{aligned} & 36720 \\ & 35585 \end{aligned}$ |
| 16.06.1999 <br> Deposits <br> Repo agreements | $\begin{array}{r} 15176 \\ 6023 \\ \hline \end{array}$ | $\begin{array}{r} 2.79 \\ 2.84 \\ \hline \end{array}$ | $\begin{aligned} & 4500 \\ & 7729 \\ & \hline \end{aligned}$ | $\begin{aligned} & 3.02 \\ & 2.91 \end{aligned}$ | $\begin{array}{r} 2200 \\ 505 \\ \hline \end{array}$ | $\begin{array}{r} 3.03 \\ 3.55 \\ \hline \end{array}$ | 1000 | 3.35 |  |  | $\begin{aligned} & 21876 \\ & 15257 \\ & \hline \end{aligned}$ |
| 17.06.1999 <br> Deposits <br> Repo agreements | $\begin{array}{r} 8104 \\ 12787 \\ \hline \end{array}$ | $\begin{aligned} & 3.29 \\ & 2.90 \\ & \hline \end{aligned}$ |  |  | $\begin{aligned} & 5526 \\ & 1876 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3.44 \\ 3.18 \\ \hline \end{array}$ | $\begin{array}{r} 2584 \\ 657 \\ \hline \end{array}$ | $\begin{array}{r} 3.42 \\ 3.45 \\ \hline \end{array}$ | 1588 | 3.90 | $\begin{aligned} & 17802 \\ & 15320 \\ & \hline \end{aligned}$ |
| 18.06.1999 <br> Deposits <br> Repo agreements |  |  | $\begin{array}{\|r} 18023 \\ 2112 \end{array}$ | $\begin{aligned} & 3.65 \\ & 3.44 \end{aligned}$ | $\begin{aligned} & 6989 \\ & 2116 \end{aligned}$ | $\begin{aligned} & 3.28 \\ & 3.86 \end{aligned}$ | $\begin{array}{r} 560 \\ 1950 \end{array}$ | $\begin{aligned} & 3.60 \\ & 3.46 \end{aligned}$ |  |  | $\begin{array}{r} 25572 \\ 6178 \\ \hline \end{array}$ |
| 21.06.1999 <br> Deposits <br> Repo agreements | 12460 | 3.85 | 1000 | 4.50 | $\begin{array}{r} 3520 \\ 300 \\ \hline \end{array}$ | $\begin{array}{r} 4.43 \\ 3.55 \\ \hline \end{array}$ | 1400 | 3.90 |  |  | $\begin{array}{r} 18380 \\ \hline \end{array}$ |
| 22.06.1999 <br> Deposits <br> Repo agreements | $\begin{array}{r} 12770 \\ 2300 \\ \hline \end{array}$ | $\begin{aligned} & 3.96 \\ & 4.56 \\ & \hline \end{aligned}$ | $\begin{array}{r} 700 \\ 3000 \\ \hline \end{array}$ | $\begin{aligned} & 4.50 \\ & 3.89 \\ & \hline \end{aligned}$ | 4500 | 2.67 | 1250 | 3.90 | 450 | 6.20 | $\begin{array}{r} 19670 \\ 5300 \\ \hline \end{array}$ |
| 23.06.1999 <br> Deposits <br> Repo agreements | $\begin{aligned} & 6790 \\ & 3812 \end{aligned}$ | 4.35 4.56 | $\begin{aligned} & 4200 \\ & 2000 \end{aligned}$ | $\begin{aligned} & 4.61 \\ & 4.06 \end{aligned}$ | $\begin{aligned} & 2770 \\ & 2600 \end{aligned}$ | $\begin{aligned} & 4.72 \\ & 4.45 \end{aligned}$ | 39 | 5.07 |  |  | $\begin{array}{r} 13760 \\ 8451 \end{array}$ |
| 24.06.1999 <br> Deposits <br> Repo agreements | $\begin{aligned} & 6727 \\ & 5010 \\ & \hline \end{aligned}$ | $\begin{aligned} & 4.36 \\ & 4.52 \end{aligned}$ |  |  | $\begin{aligned} & 7141 \\ & 3315 \end{aligned}$ | $\begin{aligned} & 4.69 \\ & 4.59 \\ & \hline \end{aligned}$ | $\begin{array}{r} 290 \\ 304 \\ \hline \end{array}$ | $\begin{aligned} & 4.80 \\ & 5.39 \end{aligned}$ |  |  | $\begin{array}{r} 14158 \\ 8629 \\ \hline \end{array}$ |
| 25.06.1999 Deposits Repo agreements |  |  | $\begin{array}{r} 11067 \\ 2500 \\ \hline \end{array}$ | $\begin{array}{r} 4.68 \\ 4.79 \\ \hline \end{array}$ | $\begin{array}{r} 6500 \\ 200 \\ \hline \end{array}$ | $\begin{array}{r} 4.44 \\ 4.56 \\ \hline \end{array}$ | $\begin{array}{r} 400 \\ 2600 \\ \hline \end{array}$ | $\begin{aligned} & 5.00 \\ & 4.72 \\ & \hline \end{aligned}$ |  |  | $\begin{array}{r} 17967 \\ 5300 \\ \hline \end{array}$ |
| 28.06.1999 <br> Deposits <br> Repo agreements | 17720 | 4.34 | $\begin{array}{r} 5000 \\ 1500 \\ \hline \end{array}$ | $\begin{array}{r} 4.94 \\ 4.36 \\ \hline \end{array}$ | $\begin{array}{r} 7120 \\ 312 \\ \hline \end{array}$ | $\begin{array}{r} 3.85 \\ 4.56 \\ \hline \end{array}$ | $\begin{aligned} & 2555 \\ & 3650 \\ & \hline \end{aligned}$ | $\begin{aligned} & 5.00 \\ & 4.64 \\ & \hline \end{aligned}$ | 400 | 2.00 | $\begin{array}{r} 32795 \\ 5462 \\ \hline \end{array}$ |
| 29.06.1999 <br> Deposits <br> Repo agreements | $\begin{array}{r} 18594 \\ 3054 \\ \hline \end{array}$ | $\begin{aligned} & 4.25 \\ & 4.89 \\ & \hline \end{aligned}$ | $\begin{array}{r} 7500 \\ 210 \\ \hline \end{array}$ | $\begin{aligned} & 4.67 \\ & 5.07 \end{aligned}$ | 1200 | 5.25 | $\begin{array}{r} 600 \\ 2321 \end{array}$ | $\begin{aligned} & 3.50 \\ & 5.15 \end{aligned}$ |  |  | $\begin{array}{r} 26694 \\ 6785 \\ \hline \end{array}$ |
| 30.06.1999 <br> Deposits <br> Repo agreements | 21290 4060 | $\begin{array}{r} 4.75 \\ 5.14 \\ \hline \end{array}$ | 5600 | 5.44 | $\begin{aligned} & 4779 \\ & 2829 \\ & \hline \end{aligned}$ | $\begin{array}{r} 5.34 \\ 5.19 \\ \hline \end{array}$ | $\begin{aligned} & 1770 \\ & 5500 \\ & \hline \end{aligned}$ | $\begin{array}{r} 5.13 \\ 5.21 \\ \hline \end{array}$ |  |  | $\begin{aligned} & 33439 \\ & 12389 \\ & \hline \end{aligned}$ |

Notes: 1. Volumes of transactions and deposits in million BGL.
2. The volume of repo agreements includes the agreements concluded during the current day.
3. Yield is calculated on an annual basis.
4. Lev equivalent of the transactions in USD-denominated government securirties based on the USD exchange rate on the day of transaction.

Volume of Government Securities Transactions in the Secondary Market and Transactions in Securities in the Bulgarian Stock Exchange


Notes: 1. The amount of the bids approved for participation in government securities auctions on behalf of nonprimary dealers of BGL 5,020,000 thousand is included. 2. The amount of approved competitive and noncompetitive bids on behalf of companies and individuals of BGL $6,271,725$ thousand is included.
3. The volume of repo agreements includes reverse repo agreements and repo agreements concluded during the current day.
4. Transactions in USD-denominated government securities are in levs at the US dollar exchange rate quoted by the BNB on the day of transaction.
5. 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 June



Source: BNB.

Chart 10

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

Transactions under Art. 15 Transactions under Art. 20
of Regulation 5
BGL 103.5 billion
Transactions under Art. 14 of Regulation 5 BGL 73.6 billion
of Regulation 5
BGL 1.8 billion

Transactions under Art. 21 of Regulation 5 BGL 0.5 billion


Source: BNB.

## Outstanding Government Securities

Discount Treasury Bills

(continued)

| Issue No. B | BG3018898000 | BG3019298002 | BG3019698003 | BG3020098003 | BG3020498005 | BG3010199001 | BG3010499005 | BG3010799008 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Issue date | 28.10.1998 | 11.11.1998 | 25.11.1998 | 9.12.1998 | 23.12.1998 | 6.01.1999 | 20.01.1999 | 3.02.1999 |
| Maturity date | 27.10.1999 | 10.11.1999 | 24.11.1999 | 08.12.1999 | 22.12.1999 | 5.01 .2000 | 19.01.2000 | 2.02.2000 |
| Nominal value of the offer (million BGL) | 15000.00 | 10000.00 | 10000.00 | 10000.00 | 10000.00 | 25000.00 | 25000.00 | 20000.00 |
| Total nominal value of the bids received (million BGL) | ) 10250.00 | 23395.50 | 28175.00 | 33914.00 | 19850.00 | 32577.60 | 36670.00 | 37350.00 |
| Total nominal value of the bids approved (million BGL) | 10250.00 | 10000.00 | 10000.00 | 10000.00 | 10000.00 | 25000.00 | 25000.00 | 20000.00 |
| Average price of the bids approved per BGL 100 (\%) | 93.21 | 93.45 | 93.62 | 93.93 | 94.04 | 93.75 | 93.68 | 93.76 |
| Average discount per BGL 100 (\%) | 6.79 | 6.55 | 6.38 | 6.07 | 5.96 | 6.25 | 6.32 | 6.24 |
| Average annual yield (\%) | 7.3 | 7.03 | 6.83 | 6.48 | 6.36 | 6.68 | 6.76 | 6.66 |
| Effective annual yield (\%) | 7.31 | 7.03 | 6.83 | 6.48 | 6.36 | 6.69 | 6.77 | 6.67 |
| Coverage coefficient | 0.68 | 2.34 | 2.82 | 3.39 | 1.99 | 1.30 | 1.47 | 1.87 |

(continued)

| Issue No. B | BG3011099002 | BG3011399006 | BG3011699009 | BG3011999003 | BG3012099001 | BG3012199009 | BG3012299007 | BG3012399005 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Issue date | 17.02.1999 | 4.03.1999 | 17.03.1999 | 31.03.1999 | 7.04.1999 | 7.04.1999 | 14.04.1999 | 21.04.1999 |
| Maturity date | 16.02.2000 | 2.03.2000 | 15.03.2000 | 29.09.1999 | 7.07.1999 | 5.04.2000 | 14.07.1999 | 21.07.1999 |
| Nominal value of the offer (million BGL) | 15000.00 | 15000.00 | 15000.00 | 10000.00 | 5000.00 | 15000.00 | 5000.00 | 5000.00 |
| Total nominal value of the bids received (million BGL) | ) 34036.70 | 43240.00 | 31790.00 | 27830.00 | 12839.00 | 42960.00 | 12703.00 | 11577.50 |
| Total nominal value of the bids approved (million BGL) | 15000.00 | 15000.00 | 15000.00 | 10000.00 | 5000.00 | 15000.00 | 5000.00 | 5000.00 |
| Average price of the bids approved per BGL 100 (\%) | 93.91 | 94.03 | 94.09 | 97.54 | 98.83 | 94.32 | 98.84 | 98.85 |
| Average discount per BGL 100 (\%) | 6.09 | 5.97 | 5.91 | 2.46 | 1.17 | 5.68 | 1.16 | 1.15 |
| Average annual yield (\%) | 6.50 | 6.37 | 6.30 | 5.06 | 4.75 | 6.04 | 4.71 | 4.67 |
| Effective annual yield (\%) | 6.50 | 6.37 | 6.30 | 5.12 | 4.83 | 6.04 | 4.79 | 4.75 |
| Coverage coefficient | 2.27 | 2.88 | 2.12 | 2.78 | 2.57 | 2.86 | 2.54 | 2.32 |

(continued)

| Issue No. | BG3012499003 | BG3012599000 | BG3012699008 | BG3012799006 | BG3012899004 | BG3012999002 | BG3013099000 | BG3013199008 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Issue date | 21.04.1999 | 28.04.1999 | 5.05.1999 | 5.05.1999 | 12.05.1999 | 19.05.1999 | 19.05.1999 | 26.05.1999 |
| Maturity date | 19.04.2000 | 28.07.1999 | 4.08.1999 | 3.05 .2000 | 11.08.1999 | 18.08.1999 | 17.05.2000 | 25.08.1999 |
| Nominal value of the offer (million BGL) | 15000.00 | 5000.00 | 5000.00 | 10000.00 | 5000.00 | 5000.00 | 10000.00 | 5000.00 |
| Total nominal value of the bids received (million BGL) | ) 42660.50 | 11500.00 | 8737.00 | 28000.00 | 8746.30 | 7850.00 | 17250.00 | 8614.20 |
| Total nominal value of the bids approved (million BGL) | 15000.00 | 5000.00 | 5000.00 | 10000.00 | 5000.00 | 5000.00 | 10000.00 | 5000.00 |
| Average price of the bids approved per BGL 100 (\%) | 94.54 | 98.86 | 98.88 | 94.82 | 98.89 | 98.90 | 94.94 | 98.91 |
| Average discount per BGL 100 (\%) | 5.46 | 1.14 | 1.12 | 5.18 | 1.11 | 1.10 | 5.06 | 1.09 |
| Average annual yield (\%) | 5.79 | 4.63 | 4.54 | 5.48 | 4.50 | 4.46 | 5.34 | 4.42 |
| Effective annual yield (\%) | 5.79 | 4.71 | 4.62 | 5.48 | 4.58 | 4.54 | 5.34 | 4.49 |
| Coverage coefficient | 2.84 | 2.30 | 1.75 | 2.80 | 1.75 | 1.57 | 1.73 | 1.72 |

(continued)

| Issue No. B | BG3013299006 | BG3013399004 | BG3013499002 | BG3013599009 | BG3013699007 | BG3013899003 | BG3013999001 | BG3014099009 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Issue date | 2.06.1999 | 2.06.1999 | 9.06.1999 | 16.06.1999 | 16.06.1999 | 23.06.1999 | 30.06.1999 | 30.06.1999 |
| Maturity date | 1.09.1999 | 31.05 .2000 | 8.09.1999 | 15.09.1999 | 14.06.2000 | 22.09.1999 | 29.09.1999 | 29.12.1999 |
| Nominal value of the offer (million BGL) | 5000.00 | 10000.00 | 5000.00 | 5000.00 | 10000.00 | 5000.00 | 4000.00 | 10000.00 |
| Total nominal value of the bids received (million BGL) | ) 8943.30 | 11125.00 | 8791.00 | 6750.00 | 14120.00 | 4050.00 | 3365.00 | 8070.00 |
| Total nominal value of the bids approved (million BGL) | 5000.00 | 10000.00 | 5000.00 | 5000.00 | 10000.00 | 4050.00 | 3250.00 | 8070.00 |
| Average price of the bids approved per BGL 100 (\%) | ) 98.91 | 94.85 | 98.91 | 98.91 | 94.69 | 98.89 | 98.83 | 97.28 |
| Average discount per BGL 100 (\%) | 1.09 | 5.15 | 1.09 | 1.09 | 5.31 | 1.11 | 1.17 | 2.72 |
| Average annual yield (\%) | 4.42 | 5.44 | 4.42 | 4.42 | 5.62 | 4.50 | 4.75 | 5.61 |
| Effective annual yield (\%) | 4.49 | 5.44 | 4.49 | 4.49 | 5.62 | 4.58 | 4.83 | 5.69 |
| Coverage coefficient | 1.79 | 1.11 | 1.76 | 1.35 | 1.41 | 0.81 | 0.84 | 0.81 |
| Source: MF. |  |  |  |  |  |  |  |  |

Outstanding Government Securities

| Issue No./Date | 11/30.01.1995 | 23/02.03.1995 | 49/04.05.1995 | 200/31.05.1995 | 72/20.07.1995 | 85/14.09.1995 | 106/30.11.1995 | 113/28.12.1995 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Maturity date | 30.01.2004 | 2.03.2000 | 27.04.2000 | 21.05.2002 | 13.07.2000 | 7.09.2000 | 23.11.2000 | 21.12.2000 |
| Nominal value of the offer (million BGL) | 25.00 | 500.00 | 1000.00 | 9320.25 | 2982.00 | 2000.00 | 800.00 | 1016.80 |
| Total nominal value of the bids received (million BGL) | 25.00 | 400.00 | 1000.00 | 9320.25 | 2982.00 | 960.00 | 220.00 | 1016.80 |
| Total nominal value of the bids approved (million BGL) | 25.00 | 400.00 | 1000.00 | 9320.25 | 2982.00 | 960.00 | 220.00 | 1016.80 |
| Average price of the bids approved per BGL 100 (\%) | 100.00 | 100.00 | 98.00 | 100.00 | 96.43 | 93.81 | 92.86 | 92.34 |
| Average discount per BGL $100(\%)$ | - | - | 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 | BG2042397112 | BG2043397111 | BG2044097116 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Issue date | 29.02.1996 | 30.05.1996 | 09.05.1997 | 16.05.1997 | 17.07.1997 | 28.08.1997 | 25.09.1997 | 16.10.1997 |
| Maturity date | 28.02.2001 | 23.05.2001 | 05.05.2000 | 10.05.2002 | 13.07.2000 | 26.08.1999 | 23.09.1999 | 14.10.1999 |
| Nominal value of the offer (million BGL) | 1000.00 | 800.00 | 35000.00 | 20000.00 | 35000.00 | 5000.00 | 3000.00 | 3000.00 |
| Total nominal value of the bids received (million BGL) | 200.00 | 800.00 | 30910.00 | 20000.00 | 54150.00 | 12325.00 | 5150.00 | 7975.00 |
| Total nominal value of the bids approved (million BGL) | 50.00 | 800.00 | 30000.00 | 20000.00 | 35000.00 | 3250.00 | 3000.00 | 3000.00 |
| Average price of the bids approved per BGL 100 (\%) | 91.50 | 100.00 | 100.00 | 100.00 | 97.75 | 97.03 | 97.10 | 97.70 |
| Average discount per BGL 100 (\%) | 8.50 | - | 0.00 | 0.00 | 2.25 | 2.97 | 2.90 | 2.30 |
| Interest rate | BIR | BIR+7 | BIR+4 | BIR+4 | BIR | 7.50 | 7.50 | 6.50 |
| Coverage coefficient | 0.20 | 1.00 | 0.88 | 1.00 | 1.55 | 2.47 | 1.72 | 2.66 |

(continued)

| Issue No. | BG2044697113 | BG2045397127 | BG2045997124 | BG2046497124 | BG2030098128 | BG2030198110 | BG2030298116 | BG2030398114 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Issue date | 30.10.1997 | 20.11.1997 | 04.12.1997 | 18.12.1997 | 15.01.1998 | 29.01.1998 | 12.02.1998 | 05.03.1998 |
| Maturity date | 28.10.1999 | 18.11.1999 | 02.12.1999 | 16.12.1999 | 13.01.2000 | 27.01.2000 | 10.02.2000 | 02.03.2000 |
| Nominal value of the offer (million BGL) | 5000.00 | 5000.00 | 2500.00 | 2000.00 | 5000.00 | 5000.00 | 5000.00 | 5000.00 |
| Total nominal value of the bids received (million BGL) | 3050.00 | 3950.00 | 2480.00 | 6880.00 | 17425.00 | 16360.00 | 13320.00 | 10620.00 |
| Total nominal value of the bids approved (million BGL) | 3050.00 | 1350.00 | 2480.00 | 2000.00 | 5000.00 | 5000.00 | 5000.00 | 5000.00 |
| Average price of the bids approved per BGL 100 (\%) | 96.05 | 96.66 | 94.58 | 94.16 | 94.88 | 95.86 | 96.11 | 95.54 |
| Average discount per BGL 100 (\%) | 3.95 | 3.34 | 5.42 | 5.84 | 5.12 | 4.14 | 3.89 | 4.46 |
| Interest rate | 6.50 | $(x+1) \cdot 182 / 365^{1}$ | $(x+1) \cdot 182 / 365^{1}$ | $(x+1) \cdot 182 / 365{ }^{1}$ | $(x+1) .182 / 365^{1}$ | 8.00 | 8.00 | 7.50 |
| Coverage coefficient | 0.61 | 0.79 | 0.99 | 3.44 | 3.49 | 3.27 | 2.66 | 2.12 |

(continued)

| Issue No. | BG2030498112 | BG2030598119 | BG2030698117 | BG2030798115 | BG2030898113 | BG2030998111 | BG2031098119 | BG2031198117 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Issue date | 19.03.1998 | 02.04.1998 | 16.04.1998 | 30.04.1998 | 14.05.1998 | 28.05.1998 | 18.06.1998 | 02.07.1998 |
| Maturity date | 16.03.2000 | 30.03.2000 | 13.04.2000 | 24.04.2003 | 11.05 .2000 | 22.05.2003 | 15.06.2000 | 26.06.2003 |
| Nominal value of the offer (million BGL) | 5000.00 | 5000.00 | 5000.00 | 1000.00 | 5000.00 | 2000.00 | 5000.00 | 2000.00 |
| Total nominal value of the bids received (million BGL) | 7970.00 | 8540.00 | 14565.00 | 3605.00 | 14041.00 | 3440.00 | 7825.00 | 2070.00 |
| Total nominal value of the bids approved (million BGL) | 5000.00 | 5000.00 | 5000.00 | 1000.00 | 5000.00 | 2000.00 | 5000.00 | 2000.00 |
| Average price of the bids approved per BGL 100 (\%) | 95.46 | 94.97 | 94.43 | 87.14 | 95.47 | 84.78 | 93.53 | 76.20 |
| Average discount per BGL 100 (\%) | 4.54 | 5.03 | 5.57 | 12.86 | 4.53 | 15.22 | 6.47 | 23.80 |
| Interest rate | 7.50 | 7.50 | 7.00 | 8.00 | 7.00 | 8.00 | 6.00 | 7.00 |
| Coverage coefficient | 1.59 | 1.71 | 2.91 | 3.61 | 2.81 | 1.72 | 1.57 | 1.04 |








$\square$



(continued)

| Issue No. | BG2031298115 | BG2031398113 | BG2031498111 | BG2031598118 | BG2031698116 | BG2031798114 | BG2031898112 | BG2031998110 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Issue date | 16.07.1998 | 30.07.1998 | 20.08.1998 | 03.09.1998 | 17.09.1998 | 01.10.1998 | 15.10.1998 | 29.10.1998 |
| Maturity date | 13.07.2000 | 26.07.2001 | 17.08.2000 | 30.08.2001 | 14.09.2000 | 27.09.2001 | 12.10.2000 | 25.10.2001 |
| Nominal value of the offer (million BGL) | 5000.00 | 1000.00 | 5000.00 | 1000.00 | 5000.00 | 1500.00 | 5000.00 | 1500.00 |
| Total nominal value of the bids received (million BGL) | 6450.00 | 2750.00 | 11450.00 | 1400.00 | 6640.00 | 1155.00 | 7900.00 | 700.00 |
| Total nominal value of the bids approved (million BGL) | 5000.00 | 1000.00 | 5000.00 | 1000.00 | 5000.00 | 1055.00 | 5000.00 | 250.00 |
| Average price of the bids approved per BGL 100 (\%) | 92.70 | 89.60 | 92.97 | 87.85 | 92.45 | 86.89 | 91.71 | 83.48 |
| Average discount per BGL 100 (\%) | 7.30 | 10.40 | 7.03 | 12.15 | 7.55 | 13.11 | 8.29 | 16.52 |
| Interest rate | 6.00 | 7.00 | 6.00 | 6.50 | 6.00 | 6.50 | 6.00 | 6.50 |
| Coverage coefficient | 1.29 | 2.75 | 2.29 | 1.40 | 1.33 | 0.77 | 1.58 | 0.47 |

(continued)

| Issue No. | BG2032098118 | BG2032198116 | BG2032298114 | BG2030099118 | BG2030199116 | BG2030299114 | BG2030399112 | BG2030499110 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Issue date | 19.11.1998 | 03.12.1998 | 17.12.1998 | 13.01.1999 | 27.01.1999 | 10.02.1999 | 24.02.1999 | 10.03.1999 |
| Maturity date | 16.11.2000 | 29.11.2001 | 14.12.2000 | 10.01.2001 | 24.01.2001 | 07.02.2001 | 21.02.2001 | 07.03.2001 |
| Nominal value of the offer (million BGL) | 1000.00 | 500.00 | 1000.00 | 5000.00 | 8000.00 | 10000.00 | 15000.00 | 15000.00 |
| Total nominal value of the bids received (million BGL) | 3700.00 | 1250.00 | 2647.02 | 13053.00 | 20849.60 | 24021.03 | 30397.50 | 48340.00 |
| Total nominal value of the bids approved (million BGL) | 1000.00 | 500.00 | 1000.00 | 5000.00 | 8000.00 | 10000.00 | 15000.00 | 15000.00 |
| Average price of the bids approved per BGL 100 (\%) | 93.32 | 95.55 | 99.82 | 99.60 | 99.38 | 99.66 | 99.74 | 99.91 |
| Average discount per BGL 100 (\%) | 6.68 | 4.45 | 0.18 | 0.40 | 0.62 | 0.34 | 0.26 | 0.09 |
| Interest rate | 6.50 | 9.00 | 9.00 | 9.00 | 9.00 | 9.00 | 9.00 | 9.00 |
| Coverage coefficient | 3.70 | 2.50 | 2.65 | 2.61 | 2.61 | 2.40 | 2.03 | 3.22 |

(continued)
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Issue No.

## Issue date

Maturity date
Nominal value of the offer
(million BGL)
Total nominal value of the bids received (million BGL)
Total nominal value of the bids approved (million
 (\%) 00L TЭG ıəd рәлоıdde Average discount per BGL 100 (\%)
Coverage coefficient

## Government Securities Issued for Structural Reform

Guaranty Government Securities

## Lev Guaranty Government Securities

| Issue No. | 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 (million BGL) | 3428.57 | 3622.12 | 453.18 | 25355.82 | 2796.63 | 9111.74 | 8078.71 | 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 | 7 |



| Issue No. | 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 (million BGL) | 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 | 49.57 | 23.33 | 5.34 |
| Interest rate Interest payments 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 at maturity | LIBOR+2 <br> semiannual one-off 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 <br> at maturity | one-off at maturity |  |  |  |  |  |
| Maturity (in years) | 3 | 3 | 3 |  |  |  |  |  |
| LIBOR - average six-month LIBOR (London Interbank Offered Rate) quoted by the Reuters for the preceding interest period. STRIPS - Separate Trading of Registered Interest and Principal of Securities. |  |  |  |  |  |  |  |  |
| In compliance with Article 8 and Article 9, para. 1, items 1 and 2 of the LSPDACB, the Ministry of Finance issues lev and foreign currency guaranty governn under the following conditions: <br> (a) in levs - 7 -year redemption term; interest - BIR for the respective period, payable semiannually; redemption schedule - equal annual installments. <br> (b) in US dollars - 3-year redemption term; interest - six-month LIBOR plus 2 percent, payable semiannually; redemption schedule - one-off at end-period; mercial banks based in this country. Interest coupons are separated from the principal and are freely transferable, provided that the MF and the BNB approve a applying to trade in interest coupon derivative financial instruments, to be registered in BNB Government Securities Depository. |  |  |  |  |  |  |  |  |
| Source: MF. |  |  |  |  |  |  |  |  |


| Legal regulation | CMD 244/91 | CMD 186/93 | Art. 4 ZUNK/93 | Art. 5 ZUNK/93 | CMD 3/94 | CMD 89/95 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Issue No./Date | 95/01.01.1992 | 99/01.07.1993 | 98/01.10.1993 | 97/01.01.1994 | 96/01.12.1993 | 200/31.05.1995 |
| 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 |
| Redemption term (years) | 15 | 20 | 20 | 20 | 20 | 3 |
| Repayments | 15 equal annual installments | 20 equal annual installments | 20 equal annual installments | 20 equal annual installments | 20 equal annual installments | $\begin{gathered} 6 \text { equal } \\ \text { semiannual } \\ \text { installments } \end{gathered}$ |
| Principal (million) | 3302.08 (BGL) | 2429.78 (BGL) | 8787.98 (BGL) | 634.89 (USD) | 931.34 BGL) | 9320.28 (BGL) |
| Interest payments | semiannual | semiannual | semiannual | semiannual | annual | semiannual |
| 1999 interest | BIR+1 | $2 / 3$ BIR | 2/3 BIR | LIBOR* | 2/3 BIR | BIR |

* Six-month LIBOR for the US dollar in the respective period.

Principals are based on actual data as of 30 June 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.

## SALES OF GOVERNMENT SECURITIES TO NONBANK FINANCIAL INSTITUTIONS, COMPANIES AND INDIVIDUALS

Sales of Government Securities Issued under Regulation No. 5 and Target Issues

The volume of government securities sales for budget deficit financing increased in June. As of 30 June 1999 government securities (issued under Regulation No. 5) held by individuals, companies and nonbank financial institutions totaled BGL 117,119 million (Chart 11), an increase of BGL 4,969 million, or $4.43 \%$, on the previous month. Target government securities earmarked for sale
to physical persons accounted for BGL 16,567 million (Chart 12), an increase of BGL 1,162 million, or $7.54 \%$, on May.

In June sales of government securities issued under Regulation No. 5 included three-month treasury bills of BGL 5,516.7 million, six-month treasury bills of BGL 370 million, one-year of BGL 1,739.5 million, and two-year treasury bonds of BGL 1,915 million. Threemonth treasury bills occupied the largest share in total government securities sales in June, $57.82 \%$.

Chart 11
Net Sales of Government Securities Issued under Regulation No. 5 to Nonbank Financial Institutions, Companies and Individuals


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

## Net Sales of Government Securities from Target Issues to Nonbank Financial Institutions, Companies and Individuals



Notes: 1. Preliminary data for June 1999.
2. Target issues dated 23 June 1999 excluded.

Source: BNB.

Target Issues of Government Securities Earmarked for Physical Persons

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

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

[^1]prior to maturity of these government securities.

- Three issues of twelve-month target discount government 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.
- Three issues of two-year savings government 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.

Yield of Six-month Government Securities from Target Issues


Source: BNB.

The annual interest rate of the first interest coupon is $8 \%$, the second $9 \%$, the third $10 \%$, and fourth $11 \%$. 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 target government securities totaled BGL 1,505.7 million nominal value: six-month treasury bills of BGL 120.1 million ( $7.98 \%$ ), twelvemonth treasury bills of BGL 47.6 million ( $3.16 \%$ ) and two-year savings treasury bonds of BGL 1,338 million (88.86\%). Data shows that during the reporting pe-
riod investors opted for two-year savings treasury bonds (Chart 15), generating higher yield.

## Sales of Government Securities Issued for Structural Reform

The volume of government securities acquired by individuals, companies and nonbank financial institutions and issued for structural reform decreased in June. As of 30 June total sales of government securities accounted for BGL 562,251.3 million (including sales to foreign investors), a decrease of BGL 45,766.1 million (7.5\%) from May (Chart 17).

The bulk of government securities issued for structural reform was sold by commercial banks (84.9\%) and other financial institutions (15.1\%).

Yield of Twelve-month Government Securities from Target Issues


Source: BNB.

Chart 15

## Maturity Structure of Target Government Securities Sold through the BNB and Primary Dealers in June



Source: BNB.

Volume of Target Government Securities Sales to Physical Persons


Source: BNB.

Lev-denominated government securities held by individuals, companies and nonbank financial institutions totaled BGL $8,142.8$ million ( $1.5 \%$ of total sales), while USD-denominated government securities issued under ZUNK accounted for BGL 554,108.5 million.

## Sales of Government Securities to Foreign Investors

The slight upward trend from the previous months in the volume of government securities held by foreign investors continued in June. As of 30 June 1999 government securities acquired by foreign investors totaled BGL 146,542.1 million (Chart 18), an increase of

BGL 7,988.1 million (5.8\%) on May.
Government securities acquired by foreign investors and issued under Regulation No. 5 were repurchased and no sales were registered in June. Target government securities (earmarked for direct sale to physical persons) sold to nonresidents totaled BGL 6.7 million.

As of 30 June USD-denominated long-term government bonds held by foreign investors increased by USD 3.3 million, reaching USD 77.4 million (equivalent to BGL 146,535.4 million), an increase of BGL 8,047 million, or $5.8 \%$, on the previous month. Forex bonds on domestic debt continued to occupy the largest share in foreign investors' portfolios (99.9\%).

Net Sales of Government Securities Issued for Structural Reform to Nonbank Financial Institutions, Companies and Individuals


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

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


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

## Holders of Government Securities Issued under Regulation No. 5 and of Target Issues by 30 June



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

Source: BNB.

Chart 20
Holders of USD-denominated Government Securities Issued under ZUNK by 30 June


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

## Holders of Lev-denominated Government Securities Issued for Structural Reform (as of 30 June)



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

# SALES OF fOVERNMENT SECURITIES ISSUED FOR <br> STRUCTIRAL REFORM FOR PARTICIPATION IN <br> PRIVATIZATION TRANSACTIONS 

In June long-term government bonds issued under Article 5 of ZUNK, totaling USD 0.21 million, were sold for participation in privatization. Pursuant to Article 5 of the Regulation on participation in privatization of holders of long-term government bonds issued under the terms of ZUNK, CM Decrees Nos. 244 of 1991, 186 of 1993 and 3 of 1994 (government securities for structural reform),
these government securities were transferred to the MF account for participation in 24 privatization transactions as legal tender.

The average weighted price of the bonds issued under Article 5 of ZUNK and sold for participation in privatization was USD 57.36 per USD 100 nominal value (Chart 22). In June no transfer transactions in government securities

Chart 22

## 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.
from issue No. 98 of 1993 (to be used as legal tender in privatization transactions) were registered.

In June pursuant to Article 1 of the Regulation on the procedure for utilization of long-term government bonds 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), maturing long-term government bonds of USD 0.6 million (issued under Article 5 of ZUNK) were used.

## Sales of Long-term Government Bonds Issued for Structural Reform for Participation 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 BGL | 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 |
| (million BGL) | 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 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 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 |  |  |  |  |  |  | 17.94 |

Notes: 1. Government securities in BGL 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.

## 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.
EUROBANK
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
S IIB 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
SGBG 01
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UNBS 01-03
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BGBNB 7
BGBNB 9

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[^0]:    * Reuters quotations.

[^1]:    ${ }^{1}$ 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 three issue periods or five weeks.

