United Kingdom Debt Management Office



Quarterly Review

July - September 2001

Conventional gilts



Yields at all maturities decreased during the quarter. The Bank of England lowered its repo rate twice during the period, at its scheduled August meeting and following an unscheduled meeting on 18 September. The terrorist attacks in the United States on 11 September lowered expectations of world growth. This altered interest rate sentiment, creating an expectation that the Bank would respond by moving interest rates to a lower level than had previously been anticipated. As a result, the short-end of the curve inverted sharply in late September: during the quarter the spread of 2-year yields over the Bank's repo rate fell from +21bp to -21bp. As shorter-dated gilts outperformed, this produced a curve disinversion at longer maturities. The spread of 30-year yields over 10-year yields increased 15bp to reach -13bp. This was the least inverted the 10- to 30-year sector of curve had been since June 1999. As a result of this long-end disinversion during September, the implied 20-year yield in 10 years' time increased to reach a peak of 4.68% on 25 September, having been some 65bp lower only a month before.



Index-linked gilts



In common with the nominal gilt curve, the real yield curve disinverted and very short dated issues significantly out-performed. The real yield on the $2\frac{1}{2}\%$ I-L 2003 stock decreased over 100bp during the period to reach 2.24% by the end of the quarter. Index-linked gilts of all maturities underperformed conventionals as break-even inflation rates decreased by around 36bp during the quarter in both the 10-and 30-year sectors of the curve.

On 7 September 2001 the DMO published a consultation document on index-linked re-design. Comments on this paper are invited before 31 October 2001.



Treasury bills and cash management

Weekly tenders of 1-month and 3-month T-bills were maintained throughout the quarter. The size of the 3-month T-bill tenders was increased from £100mn to £200mn from 10 August onwards. This brought the stock of T-bills outstanding to £2.7bn on 1 October 2001. During the period 1-month bills were sold at an average 4.5bp premium to the repo rate and 3-month bills at an average of 3.1bp lower than the corresponding repo rate. A number of changes were announced to the arrangements for T-bill issuance on 21 September. These became effective on 5 October 2001 and are outlined on page 7.





2000-01 and 2001-02 financing requirements

| Note: figures may not sum due to rounding | Budget 2000 financing requirement for 2000-01 | Budget 2001 financing requirement for 2000-01 | 2000-01 Outturn | Budget 2001 Financing requirement for 2001-02 |
|---|---|---|--------------------|---|
| CGNCR forecast | -4.9 | -33.3 | -35.2 | 0.3 |
| Replacing foreign currency debt | 3.5 | 9.3 | 9.4 | 1.3 |
| Redemptions | 18.6 | 18.6 | 18.6 | 17.8 |
| Debt buy-backs | 3.5 | 5.5 | 5.7 | 1.0 |
| Residual from 1999-2000 | -9.5 | -12.8 | -12.8 | na |
| Financing requirement | 11.2 | -12.7 | -14.3 | 20.4 |
| Less | | | | |
| National Savings contribution | -0.8 | -0.7 | -0.6 | -3.0 |
| DMO cash deposit at Bank of England | -0.2 | -0.2 | -0.5 | 0.3 |
| Net financing requirement | 12.2 | -11.8 | -13.2 | 23.4 |
| Change in Ways and Means | Na | -3.6 | -3.6 | 0.0 |
| Change in planned Treasury bill stock | Na | -6.5 | -6.7 | 5.0 |
| Change in levels of net short-term debt | Na | -11.7 | -12.9 | 4.6 |
| Gilt sales planned during year | 12.2 | 10.0 | 10.0 | 13.5 |

Gilt auction results Q3 2001

| Outright auction resul | ts | | | | | |
|---------------------------------------|---------------------------|-------------------------|--------------------|-------------------------|---------------------------|---------------------------|
| Auction date | Issue amount (nominal) | Stock | Cover | Yield tail | Average accepted price | Yield at average price |
| 25-Jul-01 26-Sep-01 | £500mn £2,500mn | 2½% I-L 2024 5% 2025 | 1.48 2.01 | N/A ^a 1bp | £182.05 £100.25 | 2.29% 4.98% |
| ^a Index–linked gilts are i | issued through a unif | orm price format. | | | | |
| Switch auction results | ; | | | | | |
| Date | Source stock | Nominal switched | Destination stock | Nominal created | DP ratio ^b | Cover ratio |
| 19-Jul-01 | 2% I-L 2006 | £500mn | 21⁄2% I-L 2016 | £561mn | 1.1228 | 1.27 |
| ^b Dirty Price ratio based | on the common allot | ment price of the c | lestination stock. | | | |
| Conversion offer resu | lts | | | | | |
| Date | Source stock | Nominal | Acceptances | Destination stock | Nominal created | |
| 23-Jul-01 | 9% 2012 | £4,958mn | 92% | 5% 2012 | £6,761mn | |
| | | | | | | |
| | | | | | | |

Progress against 2001-02 gilts remit as at end-September 2001

| (£mn) | Conventional gilts | | Index-linked gilts | Total | |
|------------------------|--------------------|---------------------|--------------------|-------|--------|
| | Short (0-7 years) | Medium (7-15 years) | Long (>15 years) | | |
| Remit plans | 0 | 4,750 | 5,000 | 3,750 | 13,500 |
| Outright sales to date | 0 | 2,469 | 2,504 | 1,811 | 6,784 |
| Remaining | 0 | 2,281 | 2,496 | 1,939 | 6,716 |

Treasury bill tender results Q3 2001

| Tender date | Stock amount (£mn) | Average yield (%) | Average price (£) | Cover | Yield tail (bp) |
|-----------------|--------------------|-------------------|-------------------|-------|-----------------|
| 1 month T-bills | | | | | |
| 06-Jul | 750 | 5 0471 | 99 6143 | 6.73 | 0 |
| 13-Jul | 400 | 5.0400 | 99.6149 | 6.49 | õ |
| 20lul | 150 | 5.0500 | 99 6141 | 7.63 | õ |
| 27-Jul | 150 | 5 0514 | 99 6003 | 8 65 | 1 |
| 03-Aug | 150 | 4 8367 | 99 6303 | 7.50 | 1 |
| 10-Aug | 150 | 4,7460 | 99 6372 | 8.37 | 0 |
| 17-Aug | 150 | 4 8000 | 99 6331 | 6.63 | õ |
| 24-Aug | 150 | 4 8461 | 99 6428 | 9.58 | ő |
| 31-Aug | 150 | 4 7831 | 99 6344 | 6.62 | 2 |
| 07-Sen | 150 | 4 7800 | 99 6347 | 8.67 | 0 |
| 14-Sen | 150 | 4 8000 | 99 6331 | 8 60 | õ |
| 21-Sen | 150 | 4 4300 | 99 6613 | 7.63 | õ |
| 28-Sen | 150 | 4 3933 | 99 6641 | 8 47 | 1 |
| 20-000 | 100 | 4.0000 | 00.0041 | 0.47 | • |
| 3 month T-bills | | | | | |
| 06-Jul | 100 | 5.0820 | 98.7488 | 8.80 | 2 |
| 13-Jul | 100 | 5.0570 | 98.7549 | 7.39 | 1 |
| 20-Jul | 100 | 5.0300 | 98.7615 | 6.80 | 0 |
| 27-Jul | 100 | 5.0400 | 98.7590 | 8.65 | 0 |
| 03-Aug | 100 | 4.8395 | 98.8078 | 8.06 | 1 |
| 10-Aug | 200 | 4.7500 | 98.8296 | 8.75 | 0 |
| 17-Aug | 200 | 4.7800 | 98.8223 | 7.53 | 0 |
| 24-Aug | 200 | 4.8000 | 98.8303 | 10.85 | 0 |
| 31-Aug | 200 | 4.7100 | 98.8394 | 6.85 | 0 |
| 07-Sep | 200 | 4.6970 | 98.8425 | 10.30 | 0 |
| 14-Sep | 200 | 4.5713 | 98.8732 | 9.35 | 3 |
| 21-Sep | 200 | 4.3197 | 98.9345 | 8.23 | Ō |
| 28-Sep | 200 | 4.3290 | 98.9322 | 8.78 | 1 |
| | | | | | |

Details of market turnover

| Top twenty stocks traded (by market value) in the thirteen weeks to 28 September 2001 | | | | | |
|---|---------------------------------|----------------------------------|--------------------------------|-------------------------------|-------------------------------|
| Stock | Market value of trades (£mn) | % of value of all gilt trades | Turnover Ratio ^ª | Number of bargains ('000s) | Average bargain size (£mn) |
| 9% Conversion 2011 | 57,772 | 12% | 8.36 | 3 | 17 |
| 6% Treasury 2028 | 39,565 | 8% | 2.91 | 7 | 6 |
| 5% Treasury 2012 | 31,295 | 6% | 2.86 | 4 | 7 |
| 61/2% Treasury 2003 | 26,426 | 5% | 3.20 | 5 | 5 |
| 81⁄2% Treasury 2005 | 24,303 | 5% | 2.07 | 4 | 5 |
| 5¾% Treasury 2009 | 23,650 | 5% | 2.56 | 11 | 2 |
| 8% Treasury 2021 | 23,570 | 5% | 1.03 | 6 | 4 |
| 4¼% Treasury 2032 | 21,626 | 4% | 1.73 | 4 | 5 |
| 7% Treasury 2002 | 20,154 | 4% | 2.20 | 2 | 9 |
| 71/2% Treasury 2006 | 19,850 | 4% | 1.53 | 9 | 2 |
| 5% Treasury 2004 | 18,226 | 4% | 2.46 | 5 | 4 |
| 8% Treasury 2015 | 18,011 | 4% | 1.90 | 3 | 6 |
| 7¼% Treasury 2007 | 16,513 | 3% | 1.35 | 9 | 2 |
| 7% Treasury 2001 | 15,900 | 3% | 1.24 | 3 | 6 |
| 6¼% Treasury 2010 | 15,226 | 3% | 2.94 | 3 | 4 |
| 6¾% Treasury 2004 | 14,244 | 3% | 2.08 | 6 | 2 |
| 8% Treasury 2003 | 13,041 | 3% | 1.77 | 3 | 4 |
| 8% Treasury 2013 | 12,203 | 3% | 1.58 | 2 | 7 |
| 9% Treasury 2008 | 11,492 | 2% | 1.72 | 2 | 5 |
| 9% Treasury 2012 | 7,318 | 2% | 13.84 ^b | 1 | 9 |
| Total market | 485,595 | | | 127 | 4 |

The top twenty stocks account for 89% of total market turnover. This information is based on provisional information provided by the London Stock Exchange and should only be treated as indicative.

^a The total nominal value of the stock traded over the quarter relative to the nominal amount outstanding at the end of quarter.

^b The conversion of 9% Treasury 2012 into 5% Treasury 2012 during the quarter produces an unusually high turnover ratio. The equivalent ratio using the nominal value at the start of the quarter would be 1.04.



Herfindahl index of total GEMM market turnover





Average daily turnover of the long gilt futures contract and open interest*



Stocks in issue at 28 September 2001 (£mn nominal)

| Conventional gilts | Redemption date | Amount in issue | Amount held in stripped form | DMO/NILO* |
|---|------------------------|-----------------|---------------------------------|-----------------------|
| | | | loini | noidingo |
| 7% Treasury 2001 | 06-Nov-01 | 12750 | - | 1854 |
| 7% Treasury 2002 | 07-Jun-02 | 9000 | 456 | 198 |
| 9%% Treasury 2002 | 27-Aug-02 | 6527 | - | 108 |
| 8% Troopuny 2002-2000 | 10 Jun 02 | 2050 | - | Z /10 |
| 10% Treasury 2003 | 08-Sen-03 | 1768 | - | 410 |
| 6½% Treasury 2003 | 07-Dec-03 | 7987 | 57 | 208 |
| 5% Treasury 2004 | 07-Jun-04 | 7408 | 35 | 335 |
| 31/2% Funding 1999-2004 | 14-Jul-04 | 543 | - | 32 |
| 6¾% Treasury 2004 | 26-Nov-04 | 6500 | - | 373 |
| 91/2% Conversion 2005 | 18-Apr-05 | 4374 | - | 0 |
| 8½% Treasury 2005 | 07-Dec-05 | 10373 | 243 | 192 |
| 7%4% Treasury 2006 | 08-Sep-06 | 3857 | - | 321 |
| 81/2% Treasury 2000 | 16- Jul-07 | 4530 | 220 | 254 |
| 7 ¹ / ₂ % Treasury 2007 | 07-Dec-07 | 11000 | 143 | 132 |
| 5½% Treasury 2008-2012 | 10-Sep-08 | 1000 | - | 157 |
| 9% Treasury 2008 | 13-Oct-08 | 5441 | - | 0 |
| 5¾% Treasury 2009 | 07-Dec-09 | 8827 | 39 | 242 |
| 6¼% Treasury 2010 | 25-Nov-10 | 4750 | - | 269 |
| 9% Conversion 2011 | 12-Jul-11 | 5273 | - | 82 |
| 7%% Treasury 2012-2015 | 26-Jan-12 | 800 | - | 243 |
| 5% Treasury 2012 | 07-Mar-12 | 10979 | - | 26 |
| 8% Treasury 2015 | 27-Sep-13 07-Dec-15 | 7288 | - 468 | 305 |
| 8 ³ / ⁶ / ⁶ / ⁷ / ⁶ | 25-Aug-17 | 7550 | | 179 |
| 8% Treasury 2021 | 07-Jun-21 | 16500 | 312 | 105 |
| 5% Treasury 2025 | 07-Mar-25 | 2500 | - | 0 |
| 6% Treasury 2028 | 07-Dec-28 | 11512 | 147 | 65 |
| 4¼% Treasury 2032 | 07-Jun-32 | 13580 | 45 | 2 |
| Index linked ailts | Podomntion data | Amount in issue | Nominal including | |
| index-inited gits | Redemption date | Amount in 13500 | inflation uplift | holdings |
| 21/2% I-L Treasury 2003 | 20-May-03 | 2700 | 5866 | 111 |
| 4 3/8% I-L Treasury 2004 | 21-Oct-04 | 1300 | 1640 | 0 15 |
| 21/2% I-L Treasury 2009 | 20-May-09 | 2625 | 5703 | 26 |
| 21/2% I-L Treasury 2011 | 23-Aug-11 | 3875 | 8894 | 3 |
| 21/2% I-L Treasury 2013 | 16-Aug-13 | 4635 | 8891 | 17 |
| 21⁄2% I-L Treasury 2016 | 26-Jul-16 | 5526 | 11585 | 65 |
| 21/2% I-L Treasury 2020 | 16-Apr-20 | 4175 | 8610 | 0 |
| 2 ¹ / ₂ % I-L Treasury 2024 | 17-Jul-24 | 5320 | 9320 | 30 |
| 4 1/8% I-L Treasury 2030 | 22-Jui-30 | 2000 | 3295 | 0 |
| Undated gilts (non rump) | Redemption date | Amount in issue | | DMO/NILO* holdings |
| 2½% Treasury | Undated | 474 | | 0 |
| 31⁄2% War | Undated | 1909 | | 0 |
| | | | | |
| Rump gilts | Redemption date | Amount in issue | | DMO/NILO* holdings |
| 10% Conversion 2002 | 11-Apr-02 | 21 | | 12 |
| 9% Conversion 2002 | 14-Jun-02 19-Nov-02 | 2 83 | | 2 |
| 11 ³ /% Treasury 2003-2007 | 22-Jan-03 | 234 | | 73 |
| 9 ³ / ₄ % Conversion 2003 | 07-May-03 | 11 | | 9 |
| 121⁄2% Treasury 2003-2005 | 21-Nov-03 | 152 | | 49 |
| 131/2% Treasury 2004-2008 | 26-Mar-04 | 95 | | 18 |
| 10% Treasury 2004 | 18-May-04 | 20 | | 5 |
| 9½% Conversion 2004 | 25-Oct-04 | 307 | | 102 |
| 10/2% Exchequer 2005 | 20-Sep-05 | 23 | | 14 |
| 8% Treasury 2009 | 25-Sen-09 | 0 303 | | 68 |
| 9% Treasury 2012 | 06-Aug-12 | 403 | | 56 |
| 12% Exchequer 2013-2017 | 12-Dec-13 | 57 | | 2 |
| 21/2% Annuities | Undated | 3 | | 0 |
| 3% Treasury | Undated | 55 | | 6 |
| 3½% Conversion | Undated | 96 | | 73 |
| | Undated | 275 | | 42 |
| 2/4% Annuilles | Delibuitu | 350 | | 0 |
| | Unualed | 550 | | <i>LL</i> |

It is assumed that double-dated issues currently above par will be called at the first maturity date. * Includes holdings by the National Investments and Loans Office (NILO) and the DMO. Excludes local authority, public corporations and Bank of England holdings.

Treasury bill update

The DMO expects Treasury bills to play an increasing role in its cash management operations in the future and to represent a larger component of the UK Government's stock of marketable debt. As announced at Budget time in March this year, the DMO expects to increase the stock of Treasury bills by £5.0 billion to £8.3 billion during 2001-02. To facilitate this, the DMO has changed the arrangements relating to the issuance by tender of Treasury bills. These changes took effect from 5 October 2001.

As part of these changes, the DMO has established a list of primary participants in the Treasury bill market. These are banks or financial institutions that have agreed to place bids at Treasury bill tenders on behalf of other parties, subject to their own due diligence and controls. On request, the primary participants will also provide their customers with secondary dealing levels for Treasury bills. A current version of the list of primary participants will be displayed on the DMO's web site at www.dmo.gov.uk. The DMO's cash management counterparties and a limited number of wholesale market participants who have established a telephone bidding relationship with the DMO are also eligible to bid directly in Treasury bill tenders.

Further details of the arrangements for Treasury bill tenders are contained in the newly published UK Treasury Bills Information Memorandum and the updated Exchequer Cash Management Operational Notice, which are also available on the web site. The other key changes are that the closing time of the weekly Treasury bill tender will be 11am (previously 12.30pm); that individual bids must be of a minimum size of £500,000 (previously £1 million); and that successful bidders in tenders will be able to arrange with the DMO to take delivery of their Treasury bills via Euroclear or, as currently, CMO.



Weekly 1-month Treasury bill issuance in the last year has ranged from £150mn to £750mn. The weekly tenders of 3-month bills have, since 10 August, been for £200mn; previously they had been for £100mn. Treasury bill tenders take place on the last working day of each week (usually a Friday), the amount on offer at the tender having been announced at the end of the previous week's tender. Trades settle on the following business day.

Around 30% of the outstanding value of the sterling money market consists of negotiable instruments, the remainder being approximately equally composed of secured (gilt repo) lending and unsecured interbank lending. At end-June 2001 Treasury bills comprised 1.8% of the outstanding market value of sterling money market negotiable instruments (see chart 3). This proportion has decreased over recent years, as the capitalisation of the money market as a whole has increased and the stock of Treasury bills has declined.

The Treasury bill market is likely to undergo further significant changes when sterling money market instruments (MMIs) are dematerialised, currently scheduled to occur in 2002. This will allow the integration of Treasury bill settlement into CREST so that holders will not need to maintain CMO accounts separately from their CREST accounts; it will also open the way for the wider use of Treasury bills as repo market collateral and offer other flexibilities, including fungibility and re-opening of issues. Further information on these proposed changes is available on the Bank of England's web site www.bankofengland.co.uk and on CRESTCo's web site www.crestco.co.uk.

Updated data, press releases and other information are available the wire services listed below and on the DMO web site at www.dmo.gov.uk.

Calendar for Q4 2001

| Date | October | November | December |
|------|---|--|---|
| 1 | | | |
| 2 | | T-bill tender | |
| 3 | | | |
| 4 | | | |
| 5 | T-bill tender | | |
| 6 | | | |
| 7 | | | T-bill tender |
| 8 | | | |
| 9 | | T-bill tender | |
| 10 | | | |
| 11 | - | | |
| 12 | T-bill tender | | |
| 13 | | | - |
| 14 | | | T-bill tender |
| 15 | | | |
| 16 | Announcement of size of 21/2% I-L 2016 auction to be held on 24 October* | I-bill tender | |
| 17 | | | GEMM and end-investor consultation meetings with DMO |
| 18 | | | Publication of consultation meeting minutes |
| 19 | T-bill tender | | |
| 20 | | Announcement of size of 5% 2025 auction to be held on 28 November* | |
| 21 | | | Publication of gilts issuance calendar for Q1 2002 and T-bill tender |
| 22 | | | |
| 23 | | T-bill tender | |
| 24 | Auction of 21/2% I-L 2016* | | |
| 25 | | | |
| 26 | T-bill tender | | |
| 27 | | | |
| 28 | | Auction of 5% 2025 stock* | Calendar of T-bill issuance for Q1 2002 and T-bill tender |
| 29 | | | |
| 30 | | T-bill tender | |
| 31 | | | |

* subject to confirmation following the Chancellor's decisions on the Budgetary timetable

DMO wire services

| Information | Reuters/Bridge/ADP | Telerate | Topic | Bloomberg |
|----------------------------------|--------------------|----------------|----------------|-----------------|
| Index | DMO/INDEX | | | DMO <go></go> |
| Announcements | DMO/GILTS1 to 7 | 22550 to 22556 | 44700 to 44710 | DMO1 <go></go> |
| Shop window general info | DMO/GILTS8 | 6515 | 44715 | DMO2 <go></go> |
| Shop window 1 | DMO/GILTS9 | 6516 | 44716 | DMO3 <go></go> |
| Shop window 2 | DMO/GILTS10 | 6517 | 44717 | DMO4 <go></go> |
| Shop window 3 | DMO/GILTS11 | 6518 | 44718 | DMO5 <go></go> |
| Benchmark prices | DMO/BENCH1 | 22557 | 44720 to 44721 | DMO10 <go></go> |
| GEMMA ref prices (Conventionals) | GEMMA01 to 07 | 47216 to 47222 | 44800 to 44809 | DMO6 <go></go> |
| GEMMA ref prices (IL) | GEMMA08 | 47223 | 44805 | DMO6 <go></go> |
| GEMMA ref prices (Strips) | GEMMA13 to 19 | 21291 to 21297 | 44850 to 44859 | DMO7 <go></go> |
| Cash announcements | DMO/CASH01 | 15700 to 15709 | 44660 to 44669 | DMO9 <go></go> |
| T-bill tender information | DMO/CASH11 | 15710 to 15711 | 44670 to 44671 | DMO9 <go></go> |
| Ad-hoc tender information | DMO/CASH16 | 15715 to 15716 | 44675 to 44676 | DMO9 <go></go> |

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Updated data, press releases and other information are available on the DMO web site at www.dmo.gov.uk Comments on this publication and the web site would be welcomed by either Richard Batley or Mark Deacon.