Bond Market Insight

Demand yields above MoF anticipations

Government bond auction results

At yesterday's auction, although there was significant compared to recent months' demand, the MoF accepted only two small bids after it rejected bids with higher interest rates. The 3-month and 6-month bonds were sold at UAH10m par value each of them, at 15.00% and 15.10%, respectively, while it rejected a UAH10m bid for the 9-month bond at 15.30% and a UAH600m bid for the 12-month bond at 15.50%.

Earlier this year, the MoF sold 8-month bonds at 15.30% at the end of October, while 12-month bonds were also sold in October at 15.20%. These auctions were prior the NBU's last key rate cut, and the MoF could anticipate that interest rates might have moved down slightly, but this did not happen.

While the secondary market did not move down significantly after the NBU decision, maturities of offered bonds rose. As the 9-month bond maturity increased less significantly, by only one month, the 12-month bond maturity rose by two months, as two weeks ago the MoF sold 10-month bonds instead of the scheduled 12-month bond, at the 15.20% cut-off interest rate.

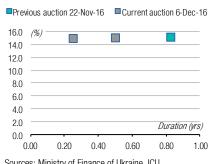
As a result, the MoF satisfied a small portion of demand and received minor budget proceeds, postponing budget financing until the next two auctions with FX-denominated bond offerings scheduled. We do not anticipate significant proceeds from local currency bonds, as the MoF and bidders have different views on interest rate levels.

Table 1. Details of last government bond auction

| ISIN | Coupon rate (%) | Maturity | Qty of bonds sold | Price (UAH) | Pro- ceeds² (UAHm) | Volume² (UAHm) | YTM ³ (%) | Out- standing (m) |
|--------------|--------------------|----------|-------------------------|----------------|--------------------------|-------------------|-------------------------|-------------------------|
| UA4000196026 | 0.00 | 8-Mar-17 | 10,000 | 963.95 | 9.64 | 10.00 | 15.00 | 10.00 |
| UA4000196034 | 0.00 | 7-Jun-17 | 10,000 | 929.98 | 9.30 | 10.00 | 15.10 | 10.00 |
| Total | | | 20,000 | | 18.94 | 20.00 | | 20.00 |

Note: Note: [1] payment frequency abbreviations: Q - quarterly, SA - semi-annually; [2] proceeds and volumes for the USDdenominated bonds are calculated based on the previous day last price of USD/UAH exchange rate 1; [3] yields on couponbearing bonds are effective yields to maturity. Sources: Ministry of Finance of Ukraine, Bloomberg, Investment Capital Ukraine LLC. WEDNESDAY, 7 DECEMBER 2016

Term structure of yields



Sources: Ministry of Finance of Ukraine, ICU.

Auction results

| Auction | Last P 6-Dec-16 22 | revious Nov-16 | Change |
|--------------|-----------------------|-------------------|---------|
| Breakdown by | yields (%) | | |
| 3-month | 15.00 | | |
| 6-month | 15.10 | | |
| 9-month | | | |
| 1-year | | 15.20 | |
| 2-year | | | |
| 3-year | | | |
| 5-year | | | |
| Breakdown by | proceeds (UAHm) | | |
| 3-month | 9.64 | | |
| 6-month | 9.30 | | |
| 9-month | | | |
| 1-year | | 48.87 | |
| 2-year | | | |
| 3-year | | | |
| 5-year | | | |
| Total | 18.94 | 48.87 | -61.25% |

Notes: yields on coupon bearing bonds are effective yields to maturity; [1] only bonds that were placed via the auctions; [2] WA life – weighted average life or years to maturity.

Sources: Ministry of Finance of Ukraine, ICU.



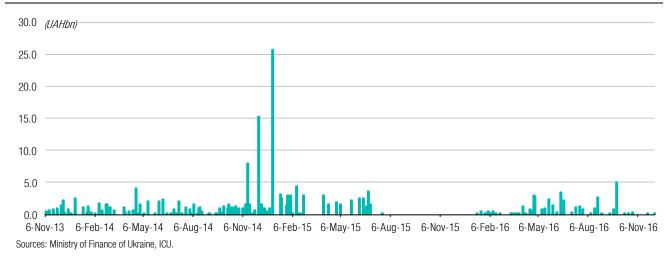
| Ukraine | Bonds |
|---------|-------|
| Focus | Scope |

Analyst Taras Kotovych

Appendix: Auctions history and schedule for 2016

Chart 1. History of yields at government bond auctions: breakdown by tenor of bonds sold (last 3-year period) More 1 year, less 3 years - More 3 years, less 5 years Less 1 year More 5 years (%) 30.0 25.0 20.0 15.0 10.0 5.0 0.0 11-Apr-01 11-Apr-03 11-Apr-05 11-Apr-07 11-Apr-09 11-Apr-11 11-Apr-13 11-Apr-15 Sources: Ministry of Finance of Ukraine, ICU.





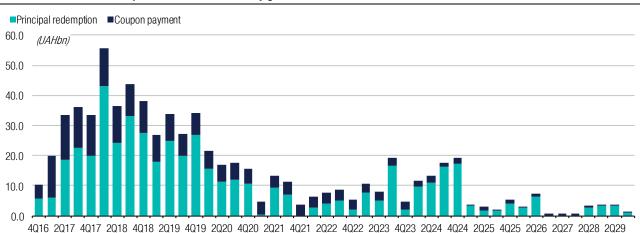


Chart 3. Schedule of redemptions of the local-currency government bonds*

Note: the chart depicts data on bonds, which were placed via the auctions, i.e. it does not contain data on recapitalisation bonds. Sources: Ministry of Finance of Ukraine, ICU.

Table 2. Schedule of government bond auctions in 2016

Action dates, tenors of bonds to be offered and volume (in hryvnia) of government's refinancing needs for the next 7-day period as of auction date

| Month | Auction details | 1st Tuesday | 2nd Tuesday | 3rd Tuesday | 4th Tuesday | 5th Tuesday |
|------------|-------------------------------|------------------|-------------------|-------------------|-------------------|------------------|
| January | Auction date | 5 January 2016 | 12 January 2016 | 19 January 2016 | 26 January 2016 | |
| | Short-term bonds | N/A | N/A | N/A | N/A | |
| | Medium-term bonds | N/A | N/A | N/A | N/A | |
| | Next 7 days refinancing needs | 0.00 | 0.00 | 0.00 | 0.00 | |
| February | Auction date | 2 February 2016 | 9 February 2016 | 16 February 2016 | 23 February 2016 | |
| | Short-term bonds | N/A | N/A | N/A | N/A | |
| | Medium-term bonds | N/A | N/A | N/A | N/A | |
| | Next 7 days refinancing needs | 0.00 | 0.00 | 0.00 | 0.00 | |
| March | Auction date | 1 March 2016 | 8 March 2016 | 15 March 2016 | 22 March 2016 | 29 March 2016 |
| | Short-term bonds | N/A | N/A | N/A | N/A | N/A |
| | Medium-term bonds | N/A | N/A | N/A | N/A | N/A |
| | Next 7 days refinancing needs | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| April | Auction date | 5 April 2016 | 12 April 2016 | 19 April 2016 | 26 April 2016 | |
| | Short-term bonds | N/A | N/A | N/A | N/A | N/A |
| | Medium-term bonds | N/A | N/A | N/A | N/A | N/A |
| | Next 7 days refinancing needs | 0.00 | 0.00 | 0.00 | 0.00 | |
| May | Auction date | 3 May 2016 | 10 May 2016 | 17 May 2016 | 24 May 2016 | 31 May 2016 |
| | Short-term bonds | N/A | N/A | N/A | N/A | N/A |
| | Medium-term bonds | N/A | N/A | N/A | N/A | N/A |
| | Next 7 days refinancing needs | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| June | Auction date | 7 June 2016 | 14 June 2016 | 21 June 2016 | 28 June 2016 | |
| ouno | Short-term bonds | N/A | N/A | N/A | N/A | |
| | Medium-term bonds | N/A | N/A | N/A | N/A | |
| | Next 7 days refinancing needs | 0.00 | 0.00 | 0.00 | 0.00 | |
| July | Auction date | 5 July 2016 | 12 July 2016 | 19 July 2016 | 26 July 2016 | |
| , | Short-term bonds | N/A | N/A | N/A | N/A | N/A |
| | Medium-term bonds | N/A | N/A | N/A | N/A | N/A |
| | Next 7 days refinancing needs | 0.00 | 0.00 | 0.00 | 0.00 | |
| August | Auction date | 2 August 2016 | 9 August 2016 | 16 August 2016 | 23 August 2016 | 30 August 2016 |
| | Short-term bonds | N/A | N/A | N/A | N/A | N/A |
| | Medium-term bonds | N/A | N/A | N/A | N/A | N/A |
| | Next 7 days refinancing needs | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| September | r Auction date | 6 September 2016 | 13 September 2016 | 20 September 2016 | 27 September 2016 | |
| | Short-term bonds | N/A | N/A | N/A | N/A | |
| | Medium-term bonds | N/A | N/A | N/A | N/A | |
| | Next 7 days refinancing needs | 0.00 | 0.00 | 0.00 | 0.00 | |
| October | Auction date | 4 October 2016 | 11 October 2016 | 18 October 2016 | 25 October 2016 | |
| | Short-term bonds | N/A | N/A | N/A | N/A | |
| | Medium-term bonds | N/A | N/A | N/A | N/A | |
| | Next 7 days refinancing needs | 0.00 | 0.00 | 0.00 | 0.00 | |
| November | Auction date | 1 November 2016 | 8 November 2016 | 15 November 2016 | 22 November 2016 | 29 November 2016 |
| | Short-term bonds | N/A | N/A | N/A | N/A | N/A |
| | Medium-term bonds | N/A | N/A | N/A | N/A | N/A |
| | Next 7 days refinancing needs | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| December | Auction date | 6 December 2016 | 13 December 2016 | 20 December 2016 | 27 December 2016 | 0.00 |
| 2 Joonnool | Short-term bonds | N/A | N/A | N/A | N/A | |
| | Medium-term bonds | N/A | N/A | N/A | N/A | |
| | Next 7 days refinancing needs | 4,421,367,312.50 | 3,636,843,999.85 | 1,661,266,996.75 | 660,717,890.00 | |

Notes: 1) highlighted data in the rows of "Next 7 days refinancing needs" indicates critical volume of refinancing needs (i.e. above UAH0.5bn) for the government in the next 7-day period; 2) the volume of refinancing needs include principal redemptions and coupon payments.

Sources: Ministry of Finance of Ukraine, Investment Capital Ukraine LLC.

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11th floor, LEONARDO Business Centre 19-21 Bogdan Khmelnytsky Street Kiev, 01030 Ukraine Phone/Fax +38 044 2200120

CORPORATE FINANCE

Makar Paseniuk, CFA, Managing Director makar.paseniuk@icu.ua

Ivan Shvydanenko, Director ivan.shvydanenko@icu.ua

STRATEGY AND CORPORATE DEVELOPMENT

Vlad Sinani, Director vlad.sinani@icu.ua

SALES AND TRADING

Konstantin Stetsenko Managing Director konstantin.stetsenko@icu.ua

Liliya Kubytovych Asset Management Product Sales liliya.kubytovych@icu.ua

RESEARCH DEPARTMENT

Alexander Valchyshen Head of Research alexander.valchyshen@icu.ua

Taras Kotovych Senior financial analyst (Sovereign debt) taras.kotovych@icu.ua Sergiy Byelyayev Fixed-Income Trading sergiy.byelyayev@icu.ua

WEB www.icu.ua

roman.nikitov@icu.ua

yuriy.kamarytskyi@icu.ua

Roman Nikitov, ACCA Director

Yuriy Kamarytskyi, Vice President

Yevgeniya Gryshchenko Fixed-Income Sales yevgeniya.gryshchenko@icu.ua

Alexander Martynenko Head of corporate research alexander.martynenko@icu.ua

Mykhaylo Demkiv Financial analyst (Banks) mykhaylo.demkiv@icu.ua Ruslan Kilmukhametov, Director ruslan.kilmukhametov@icu.ua

Ruslan Patlavsky, Director ruslan.patlavsky@icu.ua

F 🕟 🔰 🥘 ICU_UA

Vitaliy Sivach Fixed-Income & FX Trading vitaliy.sivach@icu.ua

Bogdan Vorotilin Financial analyst (Food & Agribusiness) bogdan.vorotilin@icu.ua

Lee Daniels, Rolfe Haas Editors

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