| CCXAP |
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| Cross-border Bonds Weekly Report |



2022 Issue 46 From November 28 to December 2

Chinese offshore bond issuance reduced; return on secondary market bond increased

Headline: The People's Bank of China and the State Administration of Foreign Exchange jointly issued the fund management requirements for panda bonds; US non-farm payrolls rose by 263,000 in November

The People's Bank of China and the State Administration of Foreign Exchange jointly issued the "Notice by the People's Bank of China and the State Administration of Foreign Exchange Regarding the Management of Bond Funds Issued by Foreign Institutions in China". The number of non-farm employments in the US increased by 263,000 in November, much higher than the expectation of 200,000 and even the highest expectation, with the previous value of 261,000.

Exchange Rate: RMB appreciated, USD index declined

This week, RMB appreciated. As of December 2, the RMB/USD middle rate closed at 7.0542, decreasing by 797bp from last Friday; The USD index slightly decreased by 1.3% to 104.545.

Interest Rate: China Government Bond yields generally rose; US Treasury yields decreased

This week, the China Government Bond yields generally rose. US Treasury yields dropped amid Powell's dovish speech and higher-than-expected US non-farm payrolls.

Chinese Offshore Bond Market

Primary Market: Chinese offshore bond issuance increased

From November 28 to December 2, there were 17 new issues with total issued volume of USD2.03 billion, a decrease of 28.3% from last week. Among them, Chengtou companies were the main issuers, who issued bonds with a total size of about USD1.0 billion.

Secondary Market: Return on Chinese USD bond increased

As of December 2, the YTD return on Chinese USD corporate bond index increased by 201bp to-10.43% from last Friday. The return on investment-grade bonds increased by 136bp to -7.47%, and the return on high-yield bonds increased by 565bp to - 19.08%. In terms of sector indices, the return on real estate bonds increased the most, increasing by 602bp from last Friday to -34.02%.

Rating Action: CCXAP assigned 2 issuer ratings

CCXAP assigned long-term credit ratings to Lixia Holding and WCID, respectively.



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Headline: The People's Bank of China and the State Administration of Foreign Exchange jointly issued the fund management requirements for panda bonds; US non-farm payrolls rose by 263,000 in November

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On December 2, in order to further expand the two-way opening of the financial market, the People's Bank of China and the State Administration of Foreign Exchange jointly issued the "Notice by the People's Bank of China and the State Administration of Foreign Exchange Regarding the Management of Bond Funds Issued by Foreign Institutions in China", which is expected to improve the fund management requirements of domestic bond (panda bond) issuance by foreign institutions and further facilitate foreign institutions to raise funds in the domestic bond market. The first is to unify the management rules for panda bond fund registration, account opening, fund remittance and use, and statistical monitoring in the interbank and exchange markets. The second is to standardize the registration and account opening process, such as the registration is done at the bank before the issuance of panda bonds; it is allowed to register and open an account for the first phase of issuance in installments, and to submit issuance information one by one after issuances, and can share a bond issuance account. The third is to improve the foreign exchange risk management of panda bonds. Foreign institutions can conduct foreign exchange derivatives transactions with domestic financial institutions to manage exchange rate risks. The fourth is to clarify that the funds raised by issuing bonds can be kept in China or remitted overseas for use.

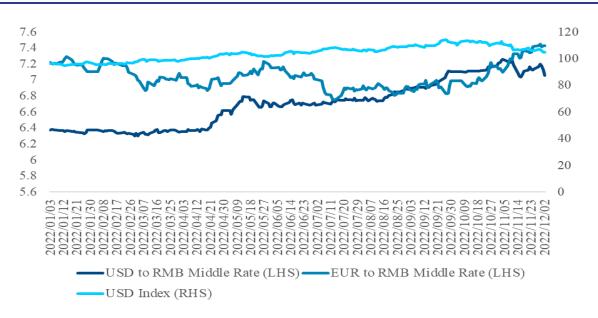
On December 2, the data released by the US Bureau of Labor Statistics showed that the number of non-farm employments in US increased by 263,000 in November, much higher than the expectation of 200,000 and even the highest expectation, with the previous value of 261,000. The unemployment rate remained at 3.7, in line with expectations and the previous value, close to a 50-year low. While most other economic indicators are pointing to a recession, the labor market continues to be much better than expected, which could force Powell to keep tightening monetary policy until the economy bottoms out. Analysts pointed out that despite growing concerns about a US recession, US employers employed more workers than expected in November, while wages rose, which may complicate the Fed's plan to slow down interest rate hikes this month.

Exchange Rate: RMB appreciated, USD index declined

This week, RMB appreciated. As of December 2, the RMB/USD middle rate closed at 7.0542, decreasing by 797bp from last Friday; the RMB/EUR middle rate closed at 7.4282, increasing by 70bp from last Friday. The USD index decreased by 1.3% to 104.545.







Sources: Wind, CCXAP research

Interest Rate: China Government Bond yields generally rose; US Treasury yields decreased

This week, the China Government Bond yields generally rose. As of December 2, the 1-year, 3-year, 5-year, 7-year and 10-year China Government Bond yields were 2.1554%, 2.4473%, 2.6702%, 2.8550%, and 2.8676%, respectively, which increased by 9bp, 3bp, 6bp, 3bp, and 4bp from last Friday.



Sources: ChinaBond.com.cn, CCXAP research



US Treasury yields dropped amid Powell's dovish speech and higher-than-expected US non-farm payrolls. As of December 2, the yields of 2-year, 5-year, 10-year and 30-year US Treasury bonds were 4.2717%, 3.6520%, 3.4862% and 3.5478%, respectively, decreased by 18bp, 21bp, 19bp and 18bp from last Friday. In terms of US treasury bond spreads, the 2-year and 10-year treasury bond spreads widened by 1bp to -78.6bp from last Friday, and the 5-year and 30-year treasury bond spreads narrowed by 2.1bp to -10.4bp from last Friday.

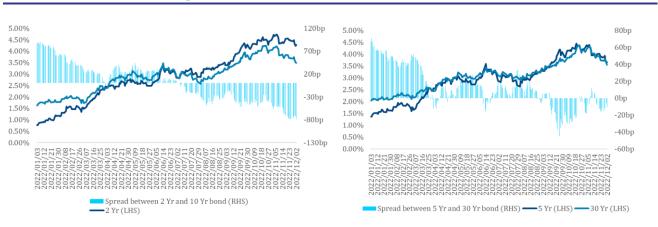


Figure 3: US Treasury yields and yield spreads

Sources: US Department of the Treasury, CCXAP research

As of December 2, the yield spread between China and US 10-year note was -61.9 bp, narrowing by 22.9 bp from last Friday and narrowing by 52.9 bp from the beginning of the year.

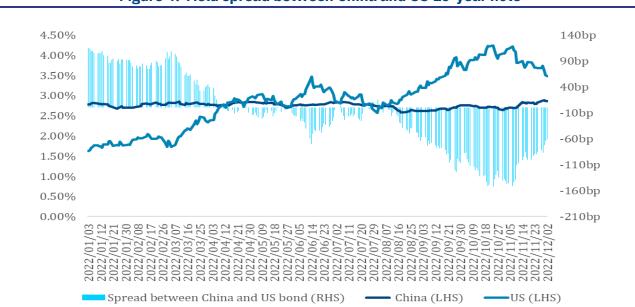


Figure 4: Yield spread between China and US 10-year note

Sources: Bloomberg, CCXAP research

Chinese Offshore Bond Market

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Primary Market: Chinese offshore bond issuance decreased

From November 28 to December 2, there were 17 new issues with total issued volume of USD2.03 billion, a decrease of 28.3% from last week. Among them, Chengtou companies were the main issuers, with a total size of about USD1.0 billion.

| Pricing Date | Obligor | Currency | Amount (million) | Coupon (%) | Maturity | Tenor | Industry | Issuer Rating (Moody's/S&P/ Fitch) | Issue Rating (Moody's/S&P/ Fitch) |
|--------------|---|----------|---------------------|---------------|------------|-------|------------|--|---|
| 2022/11/28 | Bank of China Ltd/Dubai | USD | 300 | 4.75 | 2025/12/5 | 3 | Banks | A1/A/A | A1/A/A |
| 2022/11/28 | CDB Leasing International Co Ltd | USD | 150 | SOFR+85 | 2024/1/5 | 1.08 | Financials | -/-/- | -/-/- |
| 2022/11/28 | Jingfa Overseas Investment Co Ltd | USD | 82 | 7.5 | 2025/12/2 | 3 | Chengtou | -/-/- | -/-/- |
| 2022/11/29 | CITIC Securities International Co Ltd | USD | 0.3 | 20.45 | 2023/4/7 | 115D | Financials | -/BBB+/- | -/-/- |
| 2022/11/29 | CITIC Securities International Co Ltd | USD | 0.3 | 15 | 2023/4/17 | 125D | Financials | -/BBB+/- | _/_/- |
| 2022/11/29 | Huzhou Nanxun Zhenxun Sewage Treatment Co Ltd | CNY | 350 | 4.5 | 2025/12/6 | 3 | Chengtou | -/-/- | -/-/- |
| 2022/11/29 | Taixing Zhongxing State-owned Asset Management & Investment Co | CNY | 830 | 4.8 | 2025/12/2 | 3 | Chengtou | -/-/- | -/-/- |
| 2022/11/29 | TF International Securities Group Ltd | USD | 240 | 6.5 | 2024/6/5 | 1.5 | Financials | _/_/- | _/_/- |
| 2022/11/30 | CITIC Securities International Co Ltd | CNY | 14.3 | 0 | 2025/12/10 | 3.01 | Financials | -/BBB+/- | _/_/- |
| 2022/11/30 | CITIC Securities International Co Ltd | USD | 0.2 | 14.94 | 2023/3/16 | 92D | Financials | -/BBB+/- | _/_/- |
| 2022/11/30 | CITIC Securities International Co Ltd | USD | 15 | 0 | 2025/12/12 | 3.02 | Financials | -/BBB+/- | -/-/- |
| 2022/11/30 | TF International Securities Group Ltd | USD | 6.3 | 5.8 | 2023/6/6 | 182D | Financials | _/_/- | -/-/- |
| 2022/12/1 | Deyang Development Holdings Group Co Ltd | USD | 350 | 7 | 2025/12/8 | 3 | Chengtou | -/-/BBB- | -/-/BBB- |
| 2022/12/1 | Industrial & Commercial Bank of China Ltd/London | USD | 300 | 4.69 | 2025/12/8 | 3 | Banks | -/A/A | -/-/- |
| 2022/12/1 | Kunming Rail Transit Group Co Ltd | USD | 253 | 8.5 | 2025/12/7 | 3 | Chengtou | Baa1/-/BBB+ | Baa1/-/BBB+ |
| 2022/12/1 | Pingdu City Development Group Co Ltd | CNY | 440 | 5.5 | 2025/12/6 | 3 | Chengtou | -/-/- | _/_/- |
| 2022/12/1 | Shaoxing Paojiang Venture Construction Development Co Ltd | CNY | 679 | 4 | 2025/12/8 | 3 | Chengtou | -/-/- | -/-/- |

Table 1: New issuance of Chinese offshore bonds (20221128-20221202)

Sources: Bloomberg, CCXAP research

Secondary Market: Return on Chinese USD bond increased

As of December 2, the YTD return¹ on Chinese USD corporate bond index increased by 201bp to -10.43% from last Friday. The return on investment-grade bonds increased by 136bp to -7.47%, and the return on high-yield bonds increased by 565bp to -19.08%. In terms of sector indices, the return on real estate bonds increased the most, increasing by 602bp from last Friday to -34.02%. The returns on non-financial, financial and Chengtou bonds were -7.35%, -12.52% and -1.66%, increasing by 147bp, 241bp and 54bp from last Friday, respectively.

¹ Year-to-date return measures the return since January 3, 2022

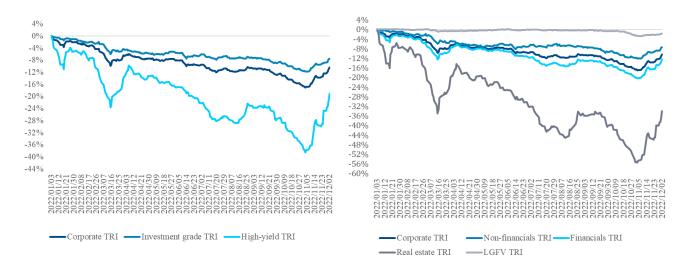
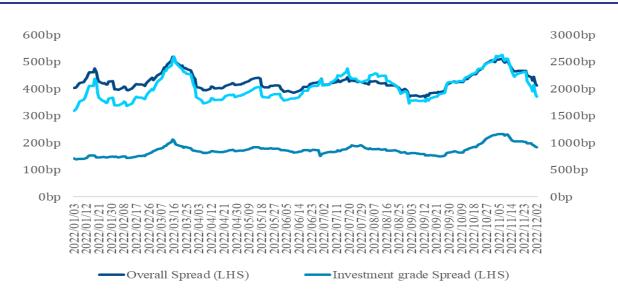


Figure 5: YTD return on Markit IBoxx Chinese USD bond index

Sources: Bloomberg, CCXAP research

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As of December 2, the yield spread of Chinese dollar bonds decreased by 37bp to 412.10bp from last Friday. The yield spread of investment-grade bonds decreased by 13.8bp to 183.46bp, while that of high-yield bonds decreased by 290.2bp to 1849.70bp.





Sources: Bloomberg, CCXAP research

According to Bloomberg data, the 10 bonds with the largest yield increase from November 28 to December 2 are shown in the table below. Among them, Agile Group Holdings Ltd changed the most.

| Security Name | Obligor | Last Price (USD) | Years to Maturity | Yield to Convention | Yield Change |
|-------------------------|--|---------------------|----------------------|------------------------|-----------------|
| AGILE 6 % PERP | Agile Group Holdings Ltd | 18.9 | Perpetual | 1590.5 | 44.2M |
| HRRLET 1 % 12/05/22 | Huarong Universe Investment Holding Ltd | 98.4 | - | 194.2 | 16.9M |
| ICBCAS Float 05/26/25 | Industrial & Commercial Bank of China New Zealand Ltd | 100.0 | 2.47 | 106.5 | 5.8M |
| CENCHI 7.9 11/07/23 | Central China Real Estate Ltd | 16.1 | 0.92 | 371.4 | 4.6M |
| AGILE 8 ¾ PERP | Agile Group Holdings Ltd | 18.7 | Perpetual | 296.3 | 4.4M |
| CENCHI 7 ¼ 04/24/23 | Central China Real Estate Ltd | 26.1 | 0.38 | 741.4 | 2.8M |
| HKIQCL 4 ¼ 12/04/22 | Qingdao City Construction Investment (Group) Co Ltd | 99.8 | - | 38.1 | 2.8M |
| AGILE 7 7% PERP | E 7 % PERP Agile Group Holdings Ltd | | Perpetual | 157.8 | 2.5M |
| DALWAN 6.95 12/05/22 | | | - | 83.0 | 2.0M |
| NJYZSO 3 5% 12/05/22 | Nanjing Yangzi State-owned Investment Group Co Ltd | 99.9 | - | 13.5 | 1.6M |

Table 2: Chinese offshore bonds with largest yield increases (20221121-20221125)

Sources: Bloomberg, CCXAP research

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Rating Action: CCXAP assigned 2 issuer ratings

On December 1, China Chengxin (Asia Pacific) Credit Ratings Company Limited ("CCXAP") has assigned a first-time BBB_g long-term credit rating to Jinan Lixia Holding Group Co., Ltd. ("Lixia Holding"), with stable outlook.

On December 2, CCXAP has assigned a first-time BBBg- long-term credit rating to Huzhou Wuxing City Investment and Development Group Co., Ltd. ("WCID" or the "Company"), with stable outlook.

| Rating Date | Obligor | Entity Rating | Rating Rational |
|-------------|------------------|------------------|--|
| 2022/12/1 | Lixia Holding | BBBg | The credit rating is underpinned by the Company's (1) important position as the largest entity focusing on infrastructure construction and primary land development in Lixia District; (2) solid track record of receiving government payments; and (3) good access to diversified funding channels. However, the Company's rating is constrained by (1) high exposure to commercial activities which exerts pressure on capital expenditures; (2) fast debt growth and high debt burden; and (3) relatively weak liquidity profile. |
| 2022/12/2 | WCID | BBBg- | The credit rating is underpinned by the Company's (1) strong strength and prominent position in infrastructure construction and land development in Wuxing District; (2) substantial reserves of public policy projects; and (3) solid track record of receiving government payments. However, the Company's rating is constrained by its (1) relatively high debt leverage and moderate asset liquidity; (2) reliance on non- standard financing; and (3) high contingent liability risk from external guarantees with exposure to private enterprises. |

Table 3: Credit rating from CCXAP (20221128-20221202)

Sources: CCXAP research

From November 28 to December 2, international rating agencies took positive actions on 2 Chinese issuers and negative action on 1 Chinese issuer.



Table 4: Credit rating changes of cross-border bond market (20221128-20221202)

| Entity International Rating: | | | Current Rating | | | Previous Rating | | | Rating | Reason of |
|---------------------------------|---|---------------------------|------------------|---------|------------|------------------|---------|-----------|---------|--|
| | | Sector | Entity Rating | Outlook | Date | Entity Rating | Outlook | Date | Agency | Change |
| Upgrade | Contemporary Amperex Technology Co Ltd | Consumer Discretionary | Baal | POS | 2022/11/30 | Baal | STABLE | 2020/9/7 | Moody's | Maintain leading market position and significantly increase its revenue scale |
| Up | SF Holding Co Ltd | Industrials | A3 | STABLE | 2022/12/1 | A3 | NEG | 2021/2/11 | Moody's | Strengthened business profile after integrating Kerry Logistics |
| Downgrade | Agile Group Holdings Ltd | Real Estate | Caa1 | NEG | 2022/12/2 | В3 | NEG | 2022/5/17 | Moody's | Heightened liquidity and refinancing risks |

Sources: Bloomberg, Wind, CCXAP research

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