

# ICBC Markets Weekly (October 23 to October 27, 2023)

Issue 42 of 2023 (543 in total)

#### Global Market Department of Industrial and Commercial Bank of China

| RMB Exchange Rate Market Snapshot1      |
|---|
| Exchange Rate Market Snapshot3          |
| RMB Interest Rate Market Snapshot4      |
| RMB Credit Bond Market Snapshot8        |
| FCY Interest Rate Market Snapshot15     |
| Precious Metals Market Snapshot17       |
| Crude Oil Market Snapshot               |
| Base Metals Market Snapshot19           |
| Agricultural Products Market Snapshot20 |
| Natural Gas Market Snapshot21           |

#### **Disclaimer:**

This document is prepared by the Industrial and Commercial Bank of China Limited ("ICBC"). All information contained herein is from publicly available sources. We endeavour to ensure the accuracy and completeness of the information provided herein but do not guarantee its accuracy or completeness. The views, conclusions and opinions contained herein only reflect the personal judgment of analysts at the original time of publication, and they do not represent the stance of ICBC or constitute the basis for any investment and trading decisions. We are not liable, directly or indirectly, for any damage or loss caused or alleged to be caused by or in connection with the use of or reliance on this document. The copyright of this document is exclusively owned by ICBC. No individuals or organizations shall be allowed to copy, reproduce, publish, release or cite any content hereof without written permission. ICBC reserves the right to take legal actions against any infringement.

#### Key Takeaways:

- RMB Exchange Rate Market Snapshot
  - The RMB central parity was about 0.02% higher at 7.1782 last Friday; the RMB exchange rate in the interbank market depreciated by about 0.02% to close the week at 7.3166; the 1-year swap point fell 83 bps to close the week at -2,728.
  - ✓ The 1-year overseas USD/CNH non-deliverable forward (NDF) rose 68 bps to close the week at 7.1395.

#### Exchange Rate Market Snapshot

- $\checkmark$  The US Dollar Index (DXY) closed the week 0.37% higher at 106.559.
- ✓ EUR/USD closed the week 0.27% lower at 1.0564.
- ✓ USD/JPY closed the week 0.16% lower at 149.60.
- ✓ AUD/USD closed the week 0.35% higher at 0.6334.

#### RMB Interest Rate Market Snapshot

- Money market: The overnight Shanghai Interbank Offered Rate (Shibor) and the overnight fixing repo rate closed at 1.63% and 1.72%, respectively. The 7-day Shibor and the 7-day fixing repo rate closed the week at 2.05% and 2.50%, respectively.
- Secondary market: The yield on the 10-year China Government Bond (CGB) fell two bps, closing the week at 2.71%. The yield on the 5-year China Development Bank (CDB) bonds fell five bps to close at 2.59%.
- Primary market: The Ministry of Finance auctioned 91-day and 182-day discounted CGBs and 1-year and 10-year coupon-bearing CGBs; the Agricultural Development Bank of China (ADBC) auctioned 1-year, 2-year, 3-year, 5-year, 7-year and 10-year fixed-rate bonds; the China Development Bank (CDB) auctioned 1-year, 2-year, 3-year, 5-year and 10-year fixed-rate bonds; the Export-Import Bank of China (CEXIM) auctioned 1-year, 2-year, 5-year and 10-year fixed-rate bonds.

#### RMB Credit Bond Market Snapshot

- Primary market: A total of 100 super & short-term commercial papers (SCPs) were issued with an aggregate size of RMB96,831 million; 14 SCPs were issued with an aggregate size of RMB7.36 billion; 106 medium-term notes (MTNs) were issued with an aggregate size of RMB109,990 million.
- ✓ Secondary market: The yields on SCPs edged up, the yields on MTNs dropped slightly, and the yields on corporate bonds showed small fluctuations.

#### FCY Interest Rate Market Snapshot

- The price of US Treasuries saw an overall rise, with the 10-year US Treasury yield closing the week 7.9 bps lower at 4.835%.
- ✓ The price of German Government Bonds was range-bound, with the 10-year yield closing the week 5.7 bps lower at 2.832%.

#### Precious Metals Market Snapshot

- $\checkmark$  The gold price rose 1.25% to close the week at USD2,005.78 an ounce.
- $\checkmark$  The silver price fell 0.90% to close the week at USD23.14 an ounce.
- $\checkmark$  The platinum price rose 1.01% to close the week at USD903.81 an ounce.
- ✓ The palladium price rose 2.19% to close the week at USD1,121.89 an ounce.

#### Crude Oil Market Snapshot

- ✓ The WTI crude oil futures fell 3.56% for the most-active contracts, closing the week at USD85.16 per barrel.
- ✓ The Brent crude oil futures fell 2.24% for the most-active contracts, closing the week at USD89.17 per barrel.

#### Base Metals Market Snapshot

✓ The LME 3-month copper price rose 1.90% to close the week at USD8,091.00 per tonne.

#### Agricultural Products Market Snapshot

✓ The CBOT soybean futures fell 0.17% for the most-active contracts to close the week at 1,317.50 US cents a bushel.

#### Natural Gas Market Snapshot

✓ NYMEX natural gas futures rose 5.52% for the most-active contracts, closing the week at USD3.440 per million British thermal units.

## **RMB Exchange Rate Market Snapshot**

- RMB spot foreign exchange rate: The RMB central parity was 7.1782 on Friday (October 27), about 0.02% higher from last week. As at 16:30 last Friday, the RMB exchange rate in the interbank market depreciated by about 0.02% from last week to close at 7.3166, touching a high of 7.2961 and a low of 7.3203, with a fluctuation range of 0.33%.
- RMB foreign exchange swap market: As at 16:30 last Friday, the 1-year swap point fell 83 bps from last week to close at -2,728, touching a high of -2,631 and a low of -2,728, with a fluctuation range of 3.81%.
- Exchange rate of overseas CNH NDF: As at 17:00 last Friday, the 1-year USD/CNH NDF rose 68 bps from last week to close at 7.1395, touching a high of 7.1610 and a low of 7.1056, with a fluctuation range of 0.78%.

|                                      | Highest | Lowest | Closing<br>price | Change from<br>last week<br>(bps) | Change from<br>end of prior<br>month<br>(bps) | Change from<br>end of prior<br>year<br>(bps) |
|--------------------------------------|---------|--------|------------------|-----------------------------------|---|--|
| Spot exchange<br>rate                |         |        |                  |                                   |   |  |
| Central parity                       | -       | -      | 7.1782           | -11                               | -16   | 2,136  |
| Interbank<br>market<br>exchange rate | 7.3203  | 7.2961 | 7.3166           | 16                                | 164   | 3,652  |
| Swap point                           |         |        |                  |                                   |   |  |
| 1-month                              | -206    | -246   | -209             | -7                                | 0   | -50  |
| 2-month                              | -412    | -430   | -419             | -1                                | 14  | -90  |
| 3-month                              | -627    | -669   | -666             | -41                               | -15   | -159   |
| 6-month                              | -1,282  | -1,355 | -1,335           | -45                               | -15   | -295   |
| 1-year                               | -2,631  | -2,735 | -2,728           | -83                               | -3  | -748   |

 Table 1: Movements in Domestic USD/CNY Exchange Rate

Data source: Reuters

|         | Highest | Lowest | Closing<br>price | Change from<br>last week<br>(bps) | Change<br>from end of<br>prior year<br>(bps) | Spread from<br>domestic<br>market (bps) |
|---------|---------|--------|------------------|-----------------------------------|--|---|
| 1-month | 7.2258  | 7.1778 | 7.1915           | -194                              | 2,595  | -1,042                                  |
| 2-month | 7.2375  | 7.1989 | 7.2080           | -206                              | 2,900  | -667                                    |
| 3-month | 7.2524  | 7.1980 | 7.2180           | -193                              | 3,140  | -320                                    |
| 6-month | 7.2354  | 7.1900 | 7.2045           | -137                              | 3,413  | 214                                     |
| 1-year  | 7.1610  | 7.1056 | 7.1395           | 68                                | 3,465  | 957                                     |

Data source: Reuters

### • Exchange Rate Market Snapshot

- The US Dollar Index (DXY) closed the week 0.37% higher at 106.559, touching a high of 106.894 and a low of 105.360 during the week.
- EUR/USD closed the week 0.27% lower at 1.0564, touching a high of 1.0693 and a low of 1.0520 during the week.
- USD/JPY closed the week 0.16% lower at 149.60, touching a high of 150.77 and a low of 149.31 during the week.
- AUD/USD closed the week 0.35% higher at 0.6334, touching a high of 0.6399 and a low of 0.6268 during the week.

| Currency pair          | Closing price | W-o-W change (%) | Change from end of<br>prior month (%) |
|------------------------|---------------|------------------|---------------------------------------|
| <b>US Dollar Index</b> | 106.559       | 0.37%            | 0.32%                                 |
| EUR/USD                | 1.0564        | -0.27%           | -0.06%                                |
| USD/JPY                | 149.60        | -0.16%           | 0.17%                                 |
| AUD/USD                | 0.6334        | 0.35%            | -1.55%                                |

#### **Table 3: Movements in Exchange Rates of Major Currencies**

## • RMB Interest Rate Market Snapshot – Money Market

The overnight Shanghai Interbank Offered Rate (Shibor) and the overnight fixing repo rate closed the week at 1.63% and 1.72%, respectively. The 7-day Shibor and the 7-day fixing repo rate closed the week at 2.05% and 2.50%, respectively. In terms of the PBOC's open market operations, last Monday (October 23) recorded RMB808 billion in reverse repo operations and RMB106 billion in reverse repos that matured. And last Tuesday (October 24) recorded RMB593 billion in reverse repo operations, RMB71 billion in reverse repos and RMB500 billion of medium-term lending facilities (MLF) that matured. Last Wednesday (October 25) recorded RMB500 billion in reverse repos that matured; last Thursday (October 26) recorded RMB424 billion in reverse repo operations and RMB344 billion in reverse repos that matured; last Friday recorded RMB499 billion in reverse repo operations, and RMB28 billion in reverse repos will mature this week (October 30 to November 3).

|                                    | Closing interest<br>rate (%) | W-o-W change<br>(bps) | Change from<br>end of prior<br>month (bps) |
|------------------------------------|------------------------------|-----------------------|--|
| <b>Overnight Shibor (ON)</b>       | 1.63                         | -28                   | -53  |
| 7-day Shibor (1W)                  | 2.05                         | -5                    | -14  |
| 3-month Shibor (3M)                | 2.40                         | 6                     | 10   |
| Overnight fixing repo rate (FR001) | 1.72                         | -28                   | -48  |
| 7-day fixing repo rate (FR007)     | 2.50                         | -30                   | 30   |

#### **Table 4: Interest Rate Movements in RMB Money Market**

Source: CFETS

## • **RMB Interest Rate Market Snapshot** – Secondary Market

- China Government Bond (CGB) yields fluctuated with a range. The 1-year CGB yield edged fell three bps, closing the week at 2.28%. The 5-year CGB yield fell three bps, closing the week at 2.55%. The 10-year CGB yield fell two bps, closing the week at 2.71%.
- Policy bank bonds yields fluctuated with a range. The 1-year China Development Bank (CDB) yield edged fell six bps, closing the week at 2.40%. The 5-year CDB yield edged fell five bps, closing the week at 2.59%. The 10-year CDB yield edged fell 11 bps, closing the week at 2.77%.

| CGB     | Closing yield (%) | W-o-W change (bps) | Change from end of prior<br>month (bps) |
|---------|-------------------|--------------------|---|
| 1-year  | 2.28              | -3                 | 11                                      |
| 3-year  | 2.44              | 2                  | 6                                       |
| 5-year  | 2.55              | -3                 | 8                                       |
| 7-year  | 2.71              | 6                  | 11                                      |
| 10-year | 2.71              | -2                 | -1                                      |

#### Table 5: Movements in Yields on Interbank Fixed-rate CGBs

Source: ICBC

| Policy bank bonds<br>(CDB) | Closing yield (%) | W-o-W change (bps) | Change from end of prior<br>month (bps) |
|----------------------------|-------------------|--------------------|---|
| 1-year                     | 2.40              | -6                 | 14                                      |
| 3-year                     | 2.54              | 5                  | 20                                      |
| 5-year                     | 2.59              | -5                 | 4                                       |
| 7-year                     | 2.82              | 4                  | 9                                       |
| 10-year                    | 2.77              | -11                | -9                                      |

 Table 6: Movements in Yields on Interbank Fixed-rate Policy Bank Bonds

Source: ICBC

## • **RMB Interest Rate Market Snapshot** – Primary Market

- In terms of CGBs, the Ministry of Finance issued 1-year and 10-year couponbearing CGBs last Wednesday. It also issued 91-day and 182-day discounted CGBs last Friday.
- In terms of policy bank bonds, ADBC last Monday auctioned 3-year and 5year fixed-rate bonds. Last Tuesday, ADBC auctioned 2-year and 7-year fixed-rate bonds. Last Wednesday, CDB auctioned 1-year, 3-year and 5-year fixed-rate bonds; ADBC auctioned 1-year and 10-year fixed-rate bonds. Last Thursday, CDB auctioned 1-year, 2-year, 3-year and 10-year fixed-rate bonds; CEXIM auctioned 5-year and 10-year fixed-rate bonds. Last Friday, CEXIM auctioned 1-year, 2-year and 5-year fixed-rate bonds.

## • **RMB Interest Rate Market Snapshot** – Interest Rate Swap

• Interest rate swaps saw the yields fluctuate downward. As of last Friday, the yield curve with the 7-day Repo as the floating benchmark showed a downward fluctuation range of two bps to seven bps. The yield curve with the 3-month Shibor as the floating benchmark showed a downward fluctuation range of three bps to five bps. The yield on 2-year interest rate swaps (Depo 2y) referencing the 1-year time deposit rate as the floating benchmark closed at the week 1.65%, unchanged from a week ago. The yield on 3-year interest rate swaps (Depo 3y) referencing the 1-year time deposit rate as the floating benchmark closed at the week 1.77%, unchanged from a week ago.

|                          | Closing interest rate (%) | W-o-W change<br>(bps) | Change from<br>one month<br>ago (bps) |
|--------------------------|---------------------------|-----------------------|---------------------------------------|
| 7-day Repo (ACT/365)     |                           |                       |                                       |
| 3-month                  | 2.23                      | -2                    | 22                                    |
| 6-month                  | 2.13                      | -6                    | 11                                    |
| 9-month                  | 2.09                      | -7                    | 6                                     |
| 1-year                   | 2.08                      | -6                    | 4                                     |
| 3-year                   | 2.27                      | -5                    | 2                                     |
| 4-year                   | 2.38                      | -5                    | 2                                     |
| 5-year                   | 2.48                      | -5                    | 1                                     |
| 7-year                   | 2.59                      | -5                    | 2                                     |
| 10-year                  | 2.74                      | -5                    | 5                                     |
| 3-month Shibor (ACT/360) |                           |                       |                                       |
| 6-month                  | 2.37                      | -3                    | 5                                     |
| 9-month                  | 2.37                      | -3                    | 8                                     |
| 1-year                   | 2.36                      | -3                    | 9                                     |
| 2-year                   | 2.43                      | -5                    | 7                                     |
| 3-year                   | 2.53                      | -5                    | 5                                     |
| 4-year                   | 2.66                      | -5                    | 5                                     |
| 5-year                   | 2.77                      | -5                    | 2                                     |
| 1-year Depo (ACT/365)    |                           |                       |                                       |
| 2-year                   | 1.65                      | 0                     | 0                                     |
| 3-year                   | 1.77                      | 0                     | 0                                     |
| 4-year                   | 1.80                      | 0                     | 0                                     |
| 5-year                   | 1.80                      | 0                     | 0                                     |

#### Table 7: Changes in RMB Interest Rate Swaps

Source: ICBC

### • **RMB Credit Bond Market Snapshot** – Primary Market

- A total of 100 super & SCPs were issued during the week with an aggregate size of RMB96,831 million; 14 SCPs were issued with an aggregate size of RMB7.36 billion; 106 medium-term notes (MTNs) were issued with an aggregate size of RMB109,990 million.
- In the prior week, NAFMII yield valuations showed a fluctuation range of -1 bps to nine bps for various tenors.

| $\begin{array}{c c c c c c c c c c c c c c c c c c c $  | Super & SCPs              | Coupon<br>rate (%) | Tenor<br>(days) | Size<br>(RMB100<br>million) | Issuer<br>rating | Facility risk<br>rating |
|---|---------------------------|--------------------|-----------------|-----------------------------|------------------|-------------------------|
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$   | 23 Huaneng Jiangsu SCP004 |                    |                 |                             |                  |                         |
| $\begin{array}{ c c c c c c c c c c c c c c c c c c c$  |                           | 2.29               | 30D             | 5.00                        | AAA              | -                       |
| $ \begin{array}{ c c c c c c c c c c c c c c c c c c c$   |                           |                    |                 |                             |                  |                         |
| SCP014           23 FAW Leasing SCP009         2.41         32D         10.00         AAA         -           23 CMG SCP008         2.22         32D         60.00         AAA         -           23 China Eastern Airlines         2.15         34D         30.00         AAA         -           23 China Eastern Airlines         2.11         35D         30.00         AAA         -           23 China Eastern Airlines         2.11         35D         30.00         AAA         -           23 China Eastern Airlines         2.11         38D         30.00         AAA         -           23 China Eastern Airlines         2.11         38D         30.00         AAA         -           23 Corporation SCP013         2.11         38D         30.00         AAA         -           23 Corporation SCP013         2.11         38D         30.00         AAA         -           23 Jiangsu Guoxin SCP013         2.23         57D         10.00         AAA         -           23 Dongfang Electric         SCP004 (technological         2.27         60D         10.00         AAA         -           23 Yuexiu Group SCP009         2.39         62D         15.00         AAA   | 23 China Construction     |                    |                 |                             |                  |                         |
| $ \begin{array}{ c c c c c c c c c c c c c c c c c c c$   |                           | 2.15               | 30D             | 30.00                       | AAA              | -                       |
| $ \begin{array}{ c c c c c c c c c c c c c c c c c c c$   |                           | 2 41               | 32D             | 10.00                       | ΔΔΔ              |                         |
| $ \begin{array}{ c c c c c c c c c c c c c c c c c c c$   | ¥                         |                    |                 |                             |                  |                         |
| $\begin{array}{c cccc} Corporation SCP015 & 2.15 & 34D & 30.00 & AAA & - \\ \hline 23 China Eastern Airlines & 2.11 & 35D & 30.00 & AAA & - \\ \hline 23 China Eastern Airlines & 2.11 & 38D & 30.00 & AAA & - \\ \hline 23 China Eastern Airlines & 2.11 & 38D & 30.00 & AAA & - \\ \hline 23 CRRC SCP008 & 2.19 & 56D & 30.00 & AAA & - \\ \hline 23 Jiangsu Guoxin SCP013 & 2.23 & 57D & 10.00 & AAA & - \\ \hline 23 Jongfang Electric & & \\ SCP004 (technological & 2.27 & 60D & 10.00 & AAA & - \\ \hline 32 China Construction & \\ Second Engineering Bureau & 2.27 & 61D & 30.00 & AAA & - \\ \hline 23 ZTE SCP085 & 2.35 & 63D & 15.00 & AAA & - \\ \hline 23 ZTE SCP085 & 2.35 & 63D & 15.00 & AAA & - \\ \hline 23 ZTE SCP086 & 2.35 & 63D & 15.00 & AAA & - \\ \hline 23 ZTE SCP086 & 2.35 & 63D & 15.00 & AAA & - \\ \hline 23 ZTE SCP086 & 2.29 & 66D & 10.00 & AAA & - \\ \hline 23 ZTE SCP081 & 2.29 & 66D & 10.00 & AAA & - \\ \hline 23 ZTE SCP084 & 2.24 & 66D & 5.00 & AAA & - \\ \hline 23 CCCC Third Harbor & \\ SCP006 (technological & 2.24 & 66D & 5.00 & AAA & - \\ \hline 23 CCCC Third Harbor & \\ \hline 22 ZT SCP084 & 2.24 & 66D & 5.00 & AAA & - \\ \hline 23 ZTE SCP084 & 2.24 & 66D & 5.00 & AAA$ |                           |                    |                 |                             | 11111            |                         |
| Corporation SCP014         2.11         35D         30.00         AAA         -           23 China Eastern Airlines<br>Corporation SCP013         2.11         38D         30.00         AAA         -           23 CRRC SCP008         2.19         56D         30.00         AAA         -           23 CRRC SCP008         2.19         56D         30.00         AAA         -           23 Jiangsu Guoxin SCP013         2.23         57D         10.00         AAA         -           23 Dongfang Electric<br>SCP004 (technological         2.27         60D         10.00         AAA         -           23 China Construction<br>Second Engineering Bureau         2.27         61D         30.00         AAA         -           23 Yuexiu Group SCP009         2.39         62D         15.00         AAA         -           23 ZTE SCP085         2.35         63D         15.00         AAA         -           23 ZTE SCP086         2.35         63D         15.00         AAA         -           23 ZTE SCP083         2.29         66D         10.00         AAA         -           23 ZTE SCP084         2.29         66D         10.00         AAA         -           23 ZTE SCP081 <td< td=""><td>Corporation SCP015</td><td>2.15</td><td>34D</td><td>30.00</td><td>AAA</td><td>-</td></td<>   | Corporation SCP015        | 2.15               | 34D             | 30.00                       | AAA              | -                       |
| 23 China Eastern Airlines<br>Corporation SCP013         2.11         38D         30.00         AAA         -           23 CRRC SCP008         2.19         56D         30.00         AAA         -           23 Jiangsu Guoxin SCP013         2.23         57D         10.00         AAA         -           23 Dongfang Electric<br>SCP004 (technological         2.27         60D         10.00         AAA         -           23 China Construction<br>Second Engineering Bureau<br>SCP005         2.27         61D         30.00         AAA         -           23 Yuexiu Group SCP009         2.39         62D         15.00         AAA         -           23 ZTE SCP085         2.35         63D         15.00         AAA         -           23 ZTE SCP086         2.35         63D         15.00         AAA         -           23 ZTE SCP086         2.35         63D         10.00         AAA         -           23 ZTE SCP086         2.35         63D         10.00         AAA         -           23 ZTE SCP084         2.29         66D         10.00         AAA         -           23 ZTE SCP081         2.29         66D         10.00         AAA         -           23 ZTE SCP081 <t< td=""><td></td><td>2.11</td><td>35D</td><td>30.00</td><td>AAA</td><td>-</td></t<>   |                           | 2.11               | 35D             | 30.00                       | AAA              | -                       |
| Corporation SCP013         2.11         38D         30.00         AAA         -           23 CRRC SCP008         2.19         56D         30.00         AAA         -           23 Jiangsu Guoxin SCP013         2.23         57D         10.00         AAA         -           23 Dongfang Electric         SCP004 (technological         2.27         60D         10.00         AAA         -           23 China Construction         Second Engineering Bureau         2.27         61D         30.00         AAA         -           23 Yuexiu Group SCP009         2.39         62D         15.00         AAA         -           23 ZTE SCP085         2.35         63D         15.00         AAA         -           23 ZTE SCP087         2.35         63D         10.00         AAA         -           23 ZTE SCP086         2.35         63D         10.00         AAA         -           23 ZTE SCP086         2.35         63D         10.00         AAA         -           23 ZTE SCP083         2.29         66D         10.00         AAA         -           23 ZTE SCP084         2.29         66D         10.00         AAA         -           23 ZTE SCP081         <  |                           |                    | 0.07            | 20.00                       |                  |                         |
| 23 Jiangsu Guoxin SCP013       2.23       57D       10.00       AAA       -         23 Dongfang Electric       SCP004 (technological       2.27       60D       10.00       AAA       -         innovation notes)       23 China Construction       Second Engineering Bureau       2.27       61D       30.00       AAA       -         23 Yuexiu Group SCP005       2.27       61D       30.00       AAA       -         23 Yuexiu Group SCP009       2.39       62D       15.00       AAA       -         23 ZTE SCP085       2.35       63D       15.00       AAA       -         23 ZTE SCP087       2.35       63D       10.00       AAA       -         23 ZTE SCP086       2.35       63D       15.00       AAA       -         23 ZTE SCP086       2.35       63D       10.00       AAA       -         23 ZTE SCP083       2.29       66D       10.00       AAA       -         23 ZTE SCP084       2.29       66D       10.00       AAA       -         23 ZTE SCP081       2.29       66D       10.00       AAA       -         23 ZTE SCP081       2.29       66D       10.00       AAA       - <tr< td=""><td></td><td>2.11</td><td>38D</td><td>30.00</td><td>AAA</td><td>-</td></tr<>  |                           | 2.11               | 38D             | 30.00                       | AAA              | -                       |
| 23 Dongfang Electric         SCP004 (technological       2.27       60D       10.00       AAA       -         innovation notes)       23 China Construction         Second Engineering Bureau       2.27       61D       30.00       AAA       -         SCP005       -       -       -       -       -       -         23 Yuexiu Group SCP009       2.39       62D       15.00       AAA       -         23 ZTE SCP085       2.35       63D       15.00       AAA       -         23 ZTE SCP087       2.35       63D       10.00       AAA       -         23 ZTE SCP086       2.35       63D       15.00       AAA       -         23 ZTE SCP083       2.29       66D       10.00       AAA       -         23 ZTE SCP084       2.29       66D       10.00       AAA       -         23 ZTE SCP081       2.29       66D       10.00       AAA       -         23 CCCC Third Harbor       SCP006 (technological       2.24       66D       5.00       AAA       -  | 23 CRRC SCP008            | 2.19               | 56D             | 30.00                       | AAA              | -                       |
| SCP004 (technological<br>innovation notes)         2.27         60D         10.00         AAA         -           23 China Construction<br>Second Engineering Bureau<br>SCP005         2.27         61D         30.00         AAA         -           23 Yuexiu Group SCP009         2.39         62D         15.00         AAA         -           23 ZTE SCP085         2.35         63D         15.00         AAA         -           23 ZTE SCP085         2.35         63D         10.00         AAA         -           23 ZTE SCP086         2.35         63D         10.00         AAA         -           23 ZTE SCP086         2.35         63D         10.00         AAA         -           23 ZTE SCP086         2.35         63D         10.00         AAA         -           23 ZTE SCP083         2.29         66D         10.00         AAA         -           23 ZTE SCP084         2.29         66D         10.00         AAA         -           23 ZTE SCP081         2.29         66D         10.00         AAA         -           23 ZTE SCP081         2.29         66D         10.00         AAA         -           23 CCCC Third Harbor         SCP006 (technological <t< td=""><td>23 Jiangsu Guoxin SCP013</td><td>2.23</td><td>57D</td><td>10.00</td><td>AAA</td><td>-</td></t<>   | 23 Jiangsu Guoxin SCP013  | 2.23               | 57D             | 10.00                       | AAA              | -                       |
| innovation notes)           23 China Construction           Second Engineering Bureau         2.27         61D         30.00         AAA         -           SCP005         -         -         -         -         -         -         -           23 Yuexiu Group SCP009         2.39         62D         15.00         AAA         -           23 ZTE SCP085         2.35         63D         15.00         AAA         -           23 ZTE SCP087         2.35         63D         10.00         AAA         -           23 ZTE SCP086         2.35         63D         15.00         AAA         -           23 ZTE SCP086         2.35         63D         10.00         AAA         -           23 ZTE SCP083         2.29         66D         10.00         AAA         -           23 ZTE SCP080         2.29         66D         10.00         AAA         -           23 ZTE SCP081         2.29         66D         10.00         AAA         -           23 ZTE SCP081         2.29         66D         10.00         AAA         -           23 CCCC Third Harbor         SCP006 (technological         2.24         66D         5.00         AAA  | 23 Dongfang Electric      |                    |                 |                             |                  |                         |
| 23 China Construction         Second Engineering Bureau       2.27       61D       30.00       AAA       -         SCP005       23 Yuexiu Group SCP009       2.39       62D       15.00       AAA       -         23 ZTE SCP085       2.35       63D       15.00       AAA       -         23 ZTE SCP085       2.35       63D       10.00       AAA       -         23 ZTE SCP086       2.35       63D       15.00       AAA       -         23 ZTE SCP086       2.35       63D       15.00       AAA       -         23 ZTE SCP086       2.35       63D       15.00       AAA       -         23 ZTE SCP083       2.29       66D       10.00       AAA       -         23 ZTE SCP080       2.29       66D       10.00       AAA       -         23 ZTE SCP084       2.29       66D       10.00       AAA       -         23 ZTE SCP081       2.29       66D       10.00       AAA       -         23 CCCC Third Harbor       SCP006 (technological       2.24       66D       5.00       AAA       -   | SCP004 (technological     | 2.27               | 60D             | 10.00                       | AAA              | -                       |
| Second Engineering Bureau<br>SCP005         2.27         61D         30.00         AAA         -           23 Yuexiu Group SCP009         2.39         62D         15.00         AAA         -           23 ZTE SCP085         2.35         63D         15.00         AAA         -           23 ZTE SCP085         2.35         63D         15.00         AAA         -           23 ZTE SCP087         2.35         63D         10.00         AAA         -           23 ZTE SCP086         2.35         63D         15.00         AAA         -           23 ZTE SCP083         2.29         66D         10.00         AAA         -           23 ZTE SCP080         2.29         66D         20.00         AAA         -           23 ZTE SCP084         2.29         66D         10.00         AAA         -           23 ZTE SCP081         2.29         66D         10.00         AAA         -           23 CCCC Third Harbor         SCP006 (technological         2.24         66D         5.00         AAA         -   |                           |                    |                 |                             |                  |                         |
| SCP005           23 Yuexiu Group SCP009         2.39         62D         15.00         AAA         -           23 ZTE SCP085         2.35         63D         15.00         AAA         -           23 ZTE SCP087         2.35         63D         10.00         AAA         -           23 ZTE SCP086         2.35         63D         10.00         AAA         -           23 ZTE SCP086         2.35         63D         10.00         AAA         -           23 ZTE SCP083         2.29         66D         10.00         AAA         -           23 ZTE SCP080         2.29         66D         20.00         AAA         -           23 ZTE SCP084         2.29         66D         10.00         AAA         -           23 ZTE SCP081         2.29         66D         10.00         AAA         -           23 CCCC Third Harbor         SCP006 (technological         2.24         66D         5.00         AAA         -   |                           |                    |                 |                             |                  |                         |
| 23 Yuexiu Group SCP009         2.39         62D         15.00         AAA         -           23 ZTE SCP085         2.35         63D         15.00         AAA         -           23 ZTE SCP087         2.35         63D         10.00         AAA         -           23 ZTE SCP087         2.35         63D         10.00         AAA         -           23 ZTE SCP086         2.35         63D         15.00         AAA         -           23 ZTE SCP086         2.35         63D         15.00         AAA         -           23 ZTE SCP083         2.29         66D         10.00         AAA         -           23 ZTE SCP080         2.29         66D         10.00         AAA         -           23 ZTE SCP084         2.29         66D         10.00         AAA         -           23 ZTE SCP081         2.29         66D         10.00         AAA         -           23 CCCC Third Harbor         SCP006 (technological         2.24         66D         5.00         AAA         -   |                           | 2.27               | 61D             | 30.00                       | AAA              | -                       |
| 23 ZTE SCP085       2.35       63D       15.00       AAA       -         23 ZTE SCP087       2.35       63D       10.00       AAA       -         23 ZTE SCP086       2.35       63D       15.00       AAA       -         23 ZTE SCP086       2.35       63D       15.00       AAA       -         23 ZTE SCP086       2.35       66D       10.00       AAA       -         23 ZTE SCP083       2.29       66D       20.00       AAA       -         23 ZTE SCP080       2.29       66D       10.00       AAA       -         23 ZTE SCP084       2.29       66D       10.00       AAA       -         23 ZTE SCP081       2.29       66D       10.00       AAA       -         23 CCCC Third Harbor       SCP006 (technological       2.24       66D       5.00       AAA       -   |                           |                    |                 |                             |                  |                         |
| 23 ZTE SCP087       2.35       63D       10.00       AAA       -         23 ZTE SCP086       2.35       63D       15.00       AAA       -         23 ZTE SCP083       2.29       66D       10.00       AAA       -         23 ZTE SCP080       2.29       66D       20.00       AAA       -         23 ZTE SCP084       2.29       66D       10.00       AAA       -         23 ZTE SCP084       2.29       66D       10.00       AAA       -         23 ZTE SCP081       2.29       66D       10.00       AAA       -         23 CCCC Third Harbor       SCP006 (technological       2.24       66D       5.00       AAA       -   |                           |                    |                 |                             |                  | -                       |
| 23 ZTE SCP086       2.35       63D       15.00       AAA       -         23 ZTE SCP083       2.29       66D       10.00       AAA       -         23 ZTE SCP080       2.29       66D       20.00       AAA       -         23 ZTE SCP084       2.29       66D       10.00       AAA       -         23 ZTE SCP084       2.29       66D       10.00       AAA       -         23 ZTE SCP081       2.29       66D       10.00       AAA       -         23 CCCC Third Harbor       SCP006 (technological       2.24       66D       5.00       AAA       -  |                           |                    |                 |                             |                  | -                       |
| 23 ZTE SCP083         2.29         66D         10.00         AAA         -           23 ZTE SCP080         2.29         66D         20.00         AAA         -           23 ZTE SCP084         2.29         66D         10.00         AAA         -           23 ZTE SCP084         2.29         66D         10.00         AAA         -           23 ZTE SCP081         2.29         66D         10.00         AAA         -           23 CCCC Third Harbor         SCP006 (technological         2.24         66D         5.00         AAA         -           innovation notes)         5.00         AAA         -         -         -         -  |                           |                    |                 |                             |                  | -                       |
| 23 ZTE SCP080         2.29         66D         20.00         AAA         -           23 ZTE SCP084         2.29         66D         10.00         AAA         -           23 ZTE SCP081         2.29         66D         10.00         AAA         -           23 ZTE SCP081         2.29         66D         10.00         AAA         -           23 CCCC Third Harbor         SCP006 (technological         2.24         66D         5.00         AAA         -           innovation notes)         -         -         -         -         -         -  |                           |                    |                 |                             |                  | -                       |
| 23 ZTE SCP084         2.29         66D         10.00         AAA         -           23 ZTE SCP081         2.29         66D         10.00         AAA         -           23 CCCC Third Harbor         SCP006 (technological         2.24         66D         5.00         AAA         -           innovation notes)         -         -         -         -         -         -  |                           |                    |                 |                             |                  | -                       |
| 23 ZTE SCP0812.2966D10.00AAA-23 CCCC Third Harbor<br>SCP006 (technological<br>innovation notes)2.2466D5.00AAA-  |                           |                    |                 |                             |                  | -                       |
| 23 CCCC Third Harbor<br>SCP006 (technological 2.24 66D 5.00 AAA -<br>innovation notes)  |                           |                    | 66D             |                             | AAA              | -                       |
| SCP006 (technological 2.24 66D 5.00 AAA -<br>innovation notes)  |                           | 2.29               | 66D             | 10.00                       | AAA              | -                       |
| innovation notes)   |                           |                    |                 |                             |                  |                         |
|   |                           | 2.24               | 66D             | 5.00                        | AAA              | -                       |
| <u>23 ZTE SCP082</u> 2.31 66D 10.00 AAA -   |                           |                    |                 | 10.00                       |                  |                         |
|   |                           | 2.31               | 66D             | 10.00                       | AAA              | -                       |
| 23 Jiangsu State Farms<br>SCP010 2.40 80D 10.00 AAA -   |                           | 2.40               | 80D             | 10.00                       | AAA              | -                       |
| 23 SND High-tech SCP035 2.42 87D 3.00 AAA -   |                           | 2.42               | 87D             | 3.00                        | AAA              | -                       |
| 23 BlueStar SCP005 2.47 88D 10.00 AAA -   | 23 BlueStar SCP005        | 2.47               | 88D             | 10.00                       | AAA              | -                       |
| 23 Jiangsu Broadcasting<br>SCP009 (technological2.3290D5.00AAA-   | 6                         |                    | 90D             | 5.00                        |                  |                         |
| innovation notes)   |                           | 2.32               | 700             | 5.00                        |                  | -                       |
| 23 SND High-tech SCP0362.4293D2.00AAA-  |                           | 2.42               | 93D             | 2.00                        | ААА              |                         |

#### **Table 8: Issuance of Credit Bonds in Primary Market**

| 23 Huaneng Hydropower<br>GN018                            | 2.44 | 95D  | 20.00 | AAA  | - |
|---|------|------|-------|------|---|
| 23 NCD SCP010   | 2.80 | 100D | 10.00 | AAA  | - |
| 23 SND High-tech SCP034                                   | 2.49 | 127D | 2.00  | AAA  | _ |
| 23 Jiangsu Communications<br>SCP023                       | 2.41 | 150D | 20.00 | AAA  | - |
| 23 Lonsen SCP014<br>(technological innovation<br>notes)   | 2.80 | 170D | 3.50  | AAA  | - |
| 23 Zhejiang Energy SCP003                                 | 2.43 | 177D | 10.00 | AAA  |   |
| 23 Lonsen SCP015  | 2.43 | 1770 | 10.00 | 1111 |   |
| (technological innovation<br>notes)                       | 2.86 | 178D | 6.50  | AAA  | - |
| 23 Capital Eco-Pro SCP004                                 | 2.58 | 179D | 10.00 | AAA  | - |
| 23 Hangzhou Iron & Steel<br>SCP004                        | 2.57 | 180D | 10.00 | AAA  | - |
| 23 Yunnan Construction and<br>Investment SCP025           | 3.70 | 180D | 10.00 | AAA  | - |
| 23 Nanjing Hexi SCP004                                    | 2.49 | 180D | 5.00  | AAA  | - |
| 23 CCCC Financial Leasing<br>SCP003                       | 2.67 | 180D | 10.00 | AAA  | - |
| 23 JZEG SCP009  | 4.50 | 180D | 10.00 | AAA  | - |
| 23 Changzhou Urban<br>Construction SCP006                 | 2.51 | 200D | 4.20  | AAA  | - |
| 23 Zhangjiang Group<br>SCP005                             | 2.51 | 235D | 10.00 | AAA  | - |
| 23 BlueStar SCP006  | 2.59 | 239D | 10.00 | AAA  | - |
| 23 Huafa Group SCP013                                     | 2.72 | 240D | 10.00 | AAA  | - |
| 23 BBMG SCP004  | 2.54 | 240D | 20.00 | AAA  | - |
| 23 CPI Ronghe Financial<br>Leasing SCP018                 | 2.59 | 266D | 5.00  | AAA  | - |
| 23 CHINALCO SCP004  | 2.62 | 268D | 15.00 | AAA  | - |
| 23 Binhai New Area<br>Construction & Investment<br>SCP035 | 3.45 | 268D | 7.00  | AAA  | - |
| 23 Shandong Iron & Steel<br>SCP011                        | 2.95 | 268D | 15.00 | AAA  | - |
| 23 Yanghe SCP001  | 2.57 | 269D | 10.00 | AAA  | - |
| 23 ZJ HI-TECH SCP002                                      | 2.59 | 269D | 10.00 | AAA  | - |
| 23 Fuzhou New Area<br>Development SCP004                  | 2.79 | 270D | 3.30  | AAA  | - |
| 23 Taihu New City SCP003                                  | 2.66 | 270D | 3.00  | AAA  | - |
| 23 CNNP Rich Energy<br>SCP001 (green)                     | 2.78 | 270D | 5.00  | AAA  | - |
| 23 Guangdong Agribusiness<br>SCP002                       | 2.65 | 270D | 10.00 | AAA  | - |
| 23 China Reform Factoring<br>SCP005                       | 2.70 | 270D | 10.00 | AAA  | - |
| 23 Ningbo Development &<br>Investment SCP002              | 2.69 | 270D | 2.00  | AAA  | - |
| 23 Zibo Urban Assets<br>Operation SCP003                  | 3.30 | 270D | 20.00 | AAA  | - |
| 23 HWABAO SCP004  | 2.69 | 270D | 3.00  | AAA  | - |
| 23 Haifa State-owned Capital<br>SCP003                    | 2.83 | 270D | 10.00 | AAA  | - |
| 23 Chongqing Development                                  | 2.59 | 270D | 12.00 | AAA  |   |
|   |      |      |       |      |   |

| SCP001   |      |      |       |     |   |
|--|------|------|-------|-----|---|
| 23 Southwest Cement<br>SCP003                          | 2.52 | 270D | 5.00  | AAA | - |
| 23 Wuhan Financial<br>Holdings SCP005                  | 3.00 | 270D | 10.00 | AAA | - |
| 23 Jiangxi Communications<br>Investment SCP007         | 2.50 | 270D | 15.00 | AAA | - |
| 23 Fujian Zhangzhou<br>SCP004                          | 2.68 | 65D  | 8.00  | AA+ | - |
| 23 Zoomlion Rental SCP001                              | 3.00 | 120D | 5.00  | AA+ | - |
| 23 Xinyun Urban<br>Development SCP002                  | 2.71 | 180D | 6.00  | AA+ | - |
| 23 Ping An Dianchuang<br>SCP002                        | 3.68 | 180D | 4.00  | AA+ | - |
| 23 Zhuzhou State-owned<br>Assets Investment SCP002     | 3.12 | 180D | 5.00  | AA+ | - |
| 23 Taishan Finance SCP003                              | 3.07 | 194D | 4.00  | AA+ | - |
| 23 Yichang City<br>Development SCP002                  | 2.96 | 210D | 10.00 | AA+ | - |
| 23 Wuzhong Guotai SCP007                               | 2.82 | 235D | 2.10  | AA+ | - |
| 23 LUSHANG SCP017                                      | 5.30 | 254D | 5.00  | AA+ | - |
| 23 Grandblue SCP005                                    | 2.79 | 268D | 5.00  | AA+ | - |
| 23 Haining Leather SCP002                              | 2.68 | 269D | 3.00  | AA+ | - |
| 23 Jinjiang Urban<br>Construction Investment<br>SCP002 | 2.85 | 269D | 5.00  | AA+ | - |
| 23 Huainan Construction<br>Development SCP002          | 3.08 | 270D | 6.00  | AA+ | - |
| 23 Leshan State-owned<br>Assets SCP004                 | 2.96 | 270D | 5.00  | AA+ | - |
| 23 Wuzhong City Investment<br>SCP006                   | 2.86 | 270D | 3.00  | AA+ | - |
| 23 Yichang High-tech<br>SCP003                         | 3.10 | 270D | 5.00  | AA+ | - |
| 23 Chengdu Culture &<br>Tourism SCP003                 | 2.81 | 270D | 5.00  | AA+ | - |
| 23 Kunming Land SCP001                                 | 8.00 | 270D | 15.00 | AA+ | - |
| 23 Xiangcheng Investment<br>SCP003                     | 2.95 | 270D | 10.00 | AA+ | - |
| 23 Qidong Urban Investment<br>SCP001                   | 2.90 | 270D | 1.00  | AA+ | - |
| 23 Nancheng Investment<br>SCP004                       | 3.09 | 270D | 4.10  | AA+ | - |
| 23 Suqian City Construction<br>Investment SCP001       | 2.67 | 270D | 1.00  | AA+ | - |
| 23 Nantong High-tech<br>SCP010                         | 2.85 | 270D | 5.00  | AA+ | - |
| 23 Jiaxing Gaoxin SCP004                               | 2.75 | 270D | 5.00  | AA+ | - |
| 23 Danyang Investment<br>SCP006                        | 3.15 | 270D | 5.00  | AA+ | - |
| 23 HISUN SCP001  | 3.38 | 270D | 5.00  | AA+ | - |
| 23 Chongqing Free Trade<br>Port Area SCP002            | 2.95 | 270D | 12.00 | AA+ | - |
| 23 Liaoning Chengda<br>SCP002                          | 4.41 | 270D | 6.00  | AA+ | - |
| 23 Xuancheng State Owned                               | 2.85 | 270D | 5.00  | AA+ | - |
|  |      |      |       |     |   |

| Capital SCP005  |                            |                 |                             |                  |                              |
|---|----------------------------|-----------------|-----------------------------|------------------|------------------------------|
| 23 Suzhou Technology City<br>SCP008                                       | 3.00                       | 89D             | 5.00                        | AA               | -                            |
| 23 Yishengde SCP001   | 3.20                       | 270D            | 4.71                        | AA               | -                            |
| 23 Pingxiang Huifeng<br>SCP002  | 3.90                       | 270D            | 5.00                        | AA               | A-1                          |
| 23 Huangshi State-owned<br>Assets SCP002                                  | 4.13                       | 270D            | 4.90                        | AA               | -                            |
| 23 Jintan Investment SCP003   | 3.10                       | 270D            | 5.00                        | AA               | -                            |
| 23 Yixing Transportation<br>SCP001  | 2.75                       | 270D            | 1.00                        | AA               | -                            |
| 23 Gaoyou Construction<br>Investment SCP002                               | 3.25                       | 270D            | 5.00                        | AA               | -                            |
| 23 Yixing Transportation<br>SCP002  | 2.75                       | 270D            | 1.00                        | AA               | -                            |
| SCPs  | Coupon<br>rate (%)         | Tenor<br>(days) | Size<br>(RMB100<br>million) | Issuer<br>rating | Facility risk<br>rating      |
| 23 Huayang New Material<br>CP003  | 2.83                       | 366D            | 10.00                       | AAA              | -                            |
| 23 Baotou Iron & Steel<br>CP003   | 4.79                       | 366D            | 10.00                       | AAA              | -                            |
| 23 Yuntou CP002   | 4.50                       | 366D            | 10.00                       | AAA              | -                            |
| 23 Ruian State-owned Assets<br>Investment CP001                           | 2.95                       | 365D            | 3.00                        | AA+              | -                            |
| 23 Huaibei Construction<br>Investment CP001                               | 3.17                       | 365D            | 5.00                        | AA+              | -                            |
| 23 Beichen Technology<br>CP001  | 5.00                       | 366D            | 3.00                        | AA+              | -                            |
| 23 Zhongxing State-owned<br>Assets CP004                                  | 3.14                       | 366D            | 5.00                        | AA+              | -                            |
| 23 Gaochun State-owned<br>Assets CP002                                    | 3.05                       | 366D            | 5.00                        | AA+              | -                            |
| 23 King's Luck CP004  | 3.10                       | 366D            | 3.40                        | AA+              | -                            |
| 23 Huashan Tourism CP001  | 4.00                       | 366D            | 5.00                        | AA               | -                            |
| 23 Changjiangkou<br>Development CP001                                     | 3.25                       | 366D            | 5.00                        | AA               | -                            |
| 23 Gaochun C&D CP008  | 3.10                       | 366D            | 5.00                        | AA               | -                            |
| 23 Fuyang Chengnan CP001  | <u>3.40</u><br><u>3.40</u> | 366D<br>366D    | 2.00 2.20                   | AA<br>AA         | -                            |
| 23 Andong Holding CP002<br>Medium-term notes                              | Coupon<br>rate (%)         | Tenor<br>(year) | Size<br>(RMB100<br>million) | Issuer<br>rating | -<br>Facility risk<br>rating |
| 23 Yunnan Energy  | 4.23                       | 1.49            | 15.00                       | AAA              | -                            |
| Investment MTN003   |                            |                 |                             |                  |                              |
| 23 Henan Airport MTN015<br>23 Tianjin Infrastructure<br>Investment MTN009 | 3.99<br>4.18               | 1.49<br>1.50    | 15.00<br>15.00              | AAA<br>AAA       | AAA                          |
| 23 BEWG MTN001  | 3.20                       | 2.00            | 15.00                       | AAA              |                              |
| 23 Anhui Transportation<br>Holding MTN005                                 | 3.28                       | 2.00            | 10.00                       | AAA              | -                            |
| 23 China Aluminum<br>International Engineering                            | 4.17                       | 2.00            | 15.00                       | AAA              | AAA                          |
| MTN001  |                            |                 |                             |                  |                              |

| 23 BBMG MTN005                                       | 3.40 | 2.00 | 10.00 | AAA | AAA |
|--|------|------|-------|-----|-----|
| 23 Yueda MTN002                                      | 4.47 | 2.00 | 5.00  | AAA | -   |
| 23 Jinneng Equipment<br>MTN006                       | 3.78 | 2.00 | 10.00 | AAA | AAA |
| 23 Tianjin Infrastructure<br>Investment MTN008       | 4.90 | 2.00 | 10.00 | AAA | -   |
| 23 North United Power<br>MTN001                      | 3.65 | 2.00 | 12.00 | AAA | AAA |
| 23 Kailuan MTN003                                    |      |      |       |     |     |
| (technological innovation notes)                     | 4.80 | 2.00 | 5.00  | AAA | -   |
| 23 Huadian MTN008A                                   | 3.26 | 2.00 | 15.00 | AAA | _   |
| 23 CCCC Investment<br>MTN004A                        | 3.35 | 2.00 | 7.00  | AAA | AAA |
| 23 CGN MTN002<br>(technological innovation<br>notes) | 2.69 | 2.00 | 20.00 | AAA | -   |
| 23 China Datang Corporation<br>MTN018                | 3.23 | 2.00 | 20.00 | AAA | AAA |
| 23 Huaneng Renewables<br>MTN006                      | 3.26 | 2.00 | 15.00 | AAA | AAA |
| 23 BJ ENERGY INTL<br>MTN002                          | 3.77 | 2.00 | 15.00 | AAA | AAA |
| 23 Yankuang Energy<br>MTN001                         | 3.40 | 2.00 | 20.00 | AAA | AAA |
| 23 Sanmen Nuclear Power<br>MTN001                    | 3.33 | 2.00 | 5.00  | AAA | AAA |
| 23 Shandong Iron & Steel<br>MTN008                   | 4.90 | 2.00 | 10.00 | AAA | AAA |
| 23 Hebei Transportation<br>Investment MTN006         | 3.29 | 3.00 | 17.00 | AAA | AAA |
| 23 Huijin MTN006A                                    | 2.80 | 3.00 | 50.00 | AAA | -   |
| 23 Fujian Expressway<br>MTN004                       | 3.07 | 3.00 | 5.00  | AAA | -   |
| 23 CGN Wind Energy<br>GN002                          | 2.94 | 3.00 | 10.00 | AAA | -   |
| 23 Ningbo Development &<br>Investment MTN003         | 3.53 | 3.00 | 10.00 | AAA | AAA |
| 23 Wenzhou City<br>Construction MTN002               | 3.74 | 3.00 | 10.00 | AAA | -   |
| 23 Sichuan Port and Shipping<br>MTN001               | 3.28 | 3.00 | 10.00 | AAA | -   |
| 23 Shandong Hi-Speed<br>MTN009                       | 3.20 | 3.00 | 20.00 | AAA | AAA |
| 23 Gezhou Dam MTN001                                 | 3.44 | 3.00 | 10.00 | AAA | -   |
| 23 Linyi City Construction &<br>Investment MTN002    | 3.87 | 3.00 | 15.00 | AAA | -   |
| 23 Guizhou Communications<br>MTN005                  | 4.05 | 3.00 | 6.00  | AAA | AAA |
| 23 Jinan Energy MTN002                               | 4.03 | 3.00 | 10.00 | AAA | -   |
| 23 Tianjin Rail Transit<br>MTN005                    | 4.07 | 3.00 | 6.00  | AAA | -   |
| 23 Sichuan Airport MTN002<br>(green)                 | 3.10 | 3.00 | 10.00 | AAA | -   |
| 23 Huadian MTN008B                                   | 3.40 | 3.00 | 10.00 | AAA | -   |
| 23 Taizhou Urban                                     | 3.77 | 3.00 | 8.00  | AAA | -   |
|  |      |      |       |     |     |

| Construction MTN003  |      |      |        |     |     |
|--|------|------|--------|-----|-----|
| 23 Guosheng Securities<br>MTN005                                       | 2.88 | 3.00 | 24.00  | AAA | -   |
| 23 CCCC Investment<br>MTN004B  | 3.64 | 3.00 | 6.00   | AAA | AAA |
| 23 Jinneng Coal Industry<br>MTN008                                     | 3.70 | 3.00 | 15.00  | AAA | -   |
| 23 Hubei United Investment<br>MTN006                                   | 4.00 | 3.00 | 10.00  | AAA | -   |
| 23 CCDG MTN002   | 4.47 | 3.00 | 10.00  | AAA | -   |
| 23 Zhengzhou Metro GN002   | 3.74 | 3.00 | 10.00  | AAA | AAA |
| 23 Huijin MTN006B  | 2.89 | 5.00 | 100.00 | AAA | -   |
| 23 PowerChina Real Estate<br>MTN004                                    | 4.50 | 5.00 | 6.00   | AAA | -   |
| 23 Changchun Construction<br>Investment MTN004                         | 5.00 | 5.00 | 7.00   | AAA | -   |
| 23 Shaanxi Investment<br>Group MTN008                                  | 3.30 | 5.00 | 10.00  | AAA | -   |
| 23 Huayuan Land Port<br>MTN003   | 3.29 | 5.00 | 10.00  | AAA | -   |
| 23 Financial Street MTN007   | 3.70 | 5.00 | 10.00  | AAA | AAA |
| 23 Sichuan Development<br>MTN003                                       | 3.25 | 5.00 | 18.50  | AAA | -   |
| 23 Yangzhou Urban<br>Construction MTN001                               | 3.55 | 5.00 | 10.00  | AAA | -   |
| 23 Huzhou City Investment<br>MTN002                                    | 3.25 | 5.00 | 12.00  | AAA | AAA |
| 23 Yibin Development<br>MTN003   | 3.39 | 5.00 | 14.00  | AAA | -   |
| 23 Shaanxi Financial<br>MTN004   | 3.58 | 5.00 | 10.00  | AAA | AAA |
| 23 Datang Shandong<br>MTN002   | 3.95 | 2.00 | 5.00   | AA+ | -   |
| 23 Weihai Industrial<br>Investment MTN002                              | 3.80 | 2.00 | 6.50   | AA+ | AAA |
| 23 FCEC MTN002   | 4.58 | 2.00 | 5.00   | AA+ | AA+ |
| 23 Tian Heng Development<br>MTN004                                     | 4.34 | 2.00 | 5.00   | AA+ | -   |
| 23 Urumqi Traffic Tourism<br>MTN004                                    | 4.52 | 2.00 | 3.00   | AA+ | -   |
| 23 Datang Shanxi MTN002  | 3.69 | 2.00 | 5.00   | AA+ | -   |
| 23 Jinan Financial Holding<br>MTN001                                   | 4.50 | 3.00 | 3.00   | AA+ | -   |
| 23 Ganzhou Jiankong<br>Investment MTN003                               | 4.13 | 3.00 | 5.00   | AA+ | AA+ |
| 23 Jinnan City Construction<br>Investment MTN001                       | 5.00 | 3.00 | 15.00  | AA+ | AA+ |
| 23 New Headline MTN004   | 3.87 | 3.00 | 4.00   | AA+ | -   |
| 23 CCCC Tianjin Dredging<br>MTN002 (technological<br>innovation notes) | 4.17 | 3.00 | 10.00  | AA+ | AA+ |
| 23 Zhangjiagang Economic<br>Development Zone MTN003                    | 3.40 | 3.00 | 7.00   | AA+ | -   |
| 23 Xinjiang Investment<br>MTN002                                       | 3.29 | 3.00 | 4.00   | AA+ | -   |
| 23 Hanrui Investment   | 4.45 | 3.00 | 6.00   | AA+ | -   |
|  |      |      |        |     |     |

| MTN003  |      |      |       |       |     |
|---|------|------|-------|-------|-----|
| 23 Dazu Industrial  | 4 77 | 2.00 | 15.00 | A A . |     |
| Development MTN003  | 4.77 | 3.00 | 15.00 | AA+   | -   |
| 23 Bright Real Estate<br>MTN005                             | 3.90 | 3.00 | 8.00  | AA+   | -   |
| 23 Wuhu Construction<br>MTN004                              | 3.37 | 3.00 | 1.38  | AA+   | -   |
| 23 Deyuan Investment<br>MTN001                              | 4.08 | 3.00 | 6.50  | AA+   | -   |
| 23 Nantong High-Tech<br>MTN002                              | 3.40 | 3.00 | 3.79  | AA+   | -   |
| 23 Yinchuan Urban<br>Construction Investment<br>MTN003      | 6.80 | 3.00 | 2.00  | AA+   | -   |
| 23 Taizhou Traffic MTN002                                   | 3.40 | 3.00 | 5.00  | AA+   | -   |
| 23 Shaoxing High-tech<br>MTN002                             | 3.79 | 3.00 | 9.00  | AA+   | -   |
| 23 HOdo MTN003<br>(technological innovation<br>notes)       | 4.09 | 3.00 | 5.00  | AA+   | AAA |
| 23 Jinzhou Urban<br>Development MTN003                      | 3.77 | 3.00 | 10.00 | AA+   | -   |
| 23 Shibei Hi-tech MTN001                                    | 3.00 | 3.00 | 8.00  | AA+   | AAA |
| 23 Huangshi Urban<br>Development MTN007                     | 4.43 | 3.00 | 15.00 | AA+   | -   |
| 23 Linyi Investment<br>MTN002 (linked to<br>sustainability) | 4.80 | 3.00 | 12.00 | AA+   | -   |
| 23 Rugao Economic Trade<br>MTN002                           | 3.70 | 3.00 | 2.70  | AA+   | -   |
| 23 FOHO Investment<br>MTN001                                | 3.46 | 3.00 | 7.00  | AA+   | -   |
| 23 Ji'an City Investment<br>MTN001                          | 3.84 | 3.00 | 10.00 | AA+   | -   |
| 23 Fengchenghe MTN004                                       | 3.70 | 3.00 | 5.00  | AA+   | -   |
| 23 Rizhao Chengtou<br>MTN004                                | 3.63 | 5.00 | 5.00  | AA+   | -   |
| 23 Xingcheng Development<br>MTN002                          | 3.53 | 5.00 | 3.50  | AA+   | -   |
| 23 Tianjie Group MTN001                                     | 3.10 | 5.00 | 25.00 | AA+   | AA+ |
| 23 Binzhou Construction<br>MTN001                           | 3.90 | 5.00 | 3.00  | AA+   | -   |
| 23 Jiangning State-owned<br>Assets MTN003                   | 3.78 | 5.00 | 10.00 | AA+   | -   |
| 23 Changde Economic<br>Investment MTN004                    | 3.97 | 5.00 | 10.00 | AA+   | -   |
| 23 Qingdao Wealth MTN001                                    | 3.75 | 5.00 | 5.00  | AA+   | -   |
| 23 Taiyuan State-owned<br>Investment MTN001                 | 3.45 | 5.00 | 10.00 | AA+   | -   |
| 23 Huangshi State-owned<br>Assets MTN005                    | 5.00 | 2.00 | 2.00  | AA    | -   |
| 23 Jingmen High-tech<br>MTN004                              | 4.46 | 2.00 | 5.00  | AA    | -   |
| 23 Baifu Investment<br>MTN002                               | 6.50 | 2.00 | 3.20  | AA    | -   |
| 23 AnYang Investment  | 4.47 | 3.00 | 10.00 | AA    | AAA |
|   |      |      |       |       |     |

| MTN002                               |      |      |      |    |     |
|--------------------------------------|------|------|------|----|-----|
| 23 Gaosu Real Estate<br>MTN005       | 3.54 | 3.00 | 3.43 | AA | -   |
| 23 Sanming City Investment<br>MTN001 | 3.72 | 3.00 | 6.50 | AA | -   |
| 23 Liuhe Transportation<br>MTN001    | 3.97 | 3.00 | 6.00 | AA | -   |
| 23 Suining Kaida MTN002              | 6.80 | 5.00 | 3.00 | AA | -   |
| 23 Bazhou Cultural Tourism<br>MTN001 | 4.70 | 5.00 | 5.90 | AA | -   |
| 23 Xinjin Xincheng MTN002            | 4.20 | 5.00 | 5.00 | AA | AAA |
| 23 Fuyang Chengnan<br>MTN001         | 4.46 | 5.00 | 3.00 | AA | -   |
| 23 Hechuan Investment<br>MTN003      | 4.30 | 5.00 | 6.00 | AA | AAA |

Note: "-" indicates that the relevant information was not disclosed or available at the time of release.

Source: Wind

## • **RMB Credit Bond Market Snapshot** – Secondary Market

- Short-term commercial papers (SCPs) showed an upward trend in yields. Among the AAA-rated SCPs, the 1-month yield rose five bps, closing the week at 2.44%; the 6-month yield closed the week nine bps higher at 2.66%; the 1-year yield closed the week 20 bps higher at 2.88%.
- Medium-term notes (MTNs) also showed a slight decline in yields. Among AAA-rated MTNs, the 3-year yield fell one bps, closing the week at 3.16%; the 5-year yield closed the week two bps lower at 3.38%.
- Enterprise bonds saw yields moving within a narrow band. Among AAArated enterprise bonds, the 3-year yield fell five bps, closing the week at 2.94%; the 5-year yield rose one bps from the prior week and closed the week at 3.14%; and the 10-year yield remained almost unchanged from the prior week at 3.34%.

### • FCY Interest Rate Market Snapshot – Secondary Market

- The price of US Treasuries went up, with the 10-year US Treasury yield closing the week 7.9 bps lower at 4.835%.
- The price of German Government Bonds was range-bound, with the 10-year yield closing the week 5.7 bps lower at 2.832%.

| US Treasuries   | Closing yield (%) | W-o-W change<br>(bps) | Change from<br>end of prior<br>month (bps) | Change from<br>end of prior<br>year (bps) |
|-----------------|-------------------|-----------------------|--|---|
| 2-year          | 5.002             | -7.1                  | -4.2                                       | 57.6                                      |
| 5-year          | 4.761             | -9.7                  | 15.2                                       | 75.7                                      |
| 10-year         | 4.835             | -7.9                  | 26.4                                       | 96.0                                      |
| 30-year         | 5.014             | -6.1                  | 31.5                                       | 105.1                                     |
| German Governme | nt Bond           |                       |  |   |
| 2-year          | 3.037             | -8.5                  | -16.6                                      | 27.3                                      |
| 5-year          | 2.683             | -10.0                 | -9.4                                       | 10.5                                      |
| 10-year         | 2.832             | -5.7                  | -0.7                                       | 26.1                                      |
| 30-year         | 3.124             | 3.0                   | 8.9  | 57.9                                      |

## **Table 9: Movements in Yields on Major Government Bonds**

Source: Bloomberg

## **FCY Interest Rate Market Snapshot** – Interest Rate Swaps

• The USD interest rate swap rates moved lower. The 10-year USD interest rate swap rate fell 9.07 bps to close the week at 4.4840%.

|         | Closing yield (%) | W-o-W change<br>(bps) | Change from end<br>of prior month<br>(bps) | Change from end<br>of prior year<br>(bps) |
|---------|-------------------|-----------------------|--|---|
| 2-year  | 4.8917            | -6.05                 | -7.73                                      | 44.57                                     |
| 10-year | 4.4840            | -9.07                 | 21.90                                      | 92.65                                     |
| 30-year | 4.3034            | -6.17                 | 29.74                                      | 109.49                                    |

## Table 10: Movements in USD Interest Rate Swap Rates

Source: Bloomberg

## • Precious Metals Market Snapshot

- The gold price rose 1.25% to close the week at USD2,005.78 an ounce, touching a high of USD2,009.29 per ounce and a low of USD1,953.10 per ounce during the week.
- The silver price fell 0.90% to close the week at USD23.14 an ounce, touching a high of USD23.33 per ounce and a low of USD22.42 per ounce during the week.
- The platinum price rose 1.01% to close the week at USD903.81 an ounce, touching a high of USD912.03 per ounce and a low of USD877.54 per ounce during the week.
- The palladium price rose 2.19% to close the week at USD1,121.89 an ounce, touching a high of USD1,143.05 per ounce and a low of USD1,083.08 per ounce during the week.

| Commodity | Closing price | W-o-W change (%) | Change from end of<br>prior month (%) |
|-----------|---------------|------------------|---------------------------------------|
| Gold      | 2,005.78      | 1.25%            | 8.52%                                 |
| Silver    | 23.14         | -0.90%           | 4.42%                                 |
| Platinum  | 903.81        | 1.01%            | -0.07%                                |
| Palladium | 1,121.89      | 2.19%            | -9.94%                                |

#### Table 11: Movements in Prices of Main Precious Metals

## • Crude Oil Market Snapshot

- The WTI crude oil futures fell 3.56% for the most-active contracts, closing the week at USD85.16 per barrel after touching a high of USD88.29 per barrel and a low of USD82.08 per barrel.
- The Brent crude oil futures fell 2.24% for the most-active contracts, closing the week at USD89.17 per barrel after touching a high of USD91.15 per barrel and a low of USD85.77 per barrel.

| Crude oil                           | Closing price | W-o-W change (%) | Change from end of<br>prior month (%) |
|-------------------------------------|---------------|------------------|---------------------------------------|
| NYMEX WTI, most-active              |               |                  |                                       |
| contracts                           | 85.16         | -3.56%           | -4.11%                                |
| ICE Brent, most-active<br>contracts | 89.17         | -2. 24%          | -1.22%                                |

#### **Table 12: Movements in Crude Oil Prices**

## Base Metals Market Snapshot

- The LME 3-month copper price rose 1.90% to close the week at USD8,091.00 per tonne, touching a high of USD8,122.50 per tonne and a low of USD7,856.00 per tonne during the week.
- The LME 3-month aluminium price rose 2.09% to close the week at USD2,225.50 per tonne, touching a high of USD2,228.00 per tonne and a low of USD2,162.00 per tonne during the week.

| Commodity                | Closing price | W-o-W change (%) | Change from end of<br>prior month (%) |
|--------------------------|---------------|------------------|---------------------------------------|
| LME 3-month copper       | 8,091.00      | 1.90%            | -2.22%                                |
| LME 3-month<br>aluminium | 2,225.50      | 2.09%            | -5.28%                                |

#### **Table 13: Movements in Prices of Main Base Metals**

Source: Bloomberg

## ♦ Agricultural Products Market Snapshot

- The CBOT soybean futures fell 0.17% for the most-active contracts to close the week at 1,317.50 US cents a bushel, touching a high of 1,325.25 US cents a bushel and a low of 1,297.50 US cents a bushel during the week.
- For prices of other main agricultural products, please see the table below.

| Commodity  | Closing price   | W-o-W change (%) | Change from end of<br>prior month (%) |
|--|-----------------|------------------|---------------------------------------|
| CBOT wheat (US cents per<br>bushel)                                | 575.75          | -1.45%           | 6.52%                                 |
| CBOT soybean (US cents per<br>bushel)                              | 1,317.50        | -0.17%           | 1.74%                                 |
| CBOT corn (US cents per bushel)<br>ICE cotton (US cents per pound) | 481.50<br>84.47 | -2.83%<br>2.46%  | 1.16%<br>-3.12%                       |
| ICE white sugar (US cents per pound)                               | 27.37           | 1.94%            | 3.24%                                 |

# **Table 14: Movements in Prices of Main Agricultural Products**

# • Natural Gas Market Snapshot

• NYMEX natural gas futures rose 5.52% for the most-active contracts, closing the week at USD3.440 per million British thermal units after touching a high of USD3.643 per million British thermal units and a low of USD3.216 per million British thermal units.

### **Table 15: Movements in Natural Gas Prices**

| Commodity         | Closing price | W-o-W change (%) | Change from end of<br>prior month (%) |
|-------------------|---------------|------------------|---------------------------------------|
| NYMEX natural gas | 3.440         | 5.52%            | 4.05%                                 |