

## Outlook for 10Y JGB Auction

### 0.10-0.15% range expected in the near term

- ✓ Expecting tomorrow's auction to go smoothly as short-covering may be supportive to some extent.
- ✓ In the near term, expectations for tweaking the YCC policy are unlikely to strengthen. It is highly possible that the 10Y JGB yield will remain in the existing range (0.10-0.15%).
- ✓ We would like to decide the amount of bidding with the idea that around 0.140% is the starting point for aggressive purchases of 10Y JGBs.
- ✓ In terms of the relative value, it may be worth considering switching out from 7Y into 10Y or buying 10Y JGB asset swap.

Strategic Memorandum DSTE273  
FICC Research Dept.

Senior JGB Strategist  
**Keiko Onogi**  
+813 5555 8788  
keiko.onogi@daiwa.co.jp  
Daiwa Securities Co. Ltd.

### Auction Details

**Auction Date:** November 1, 2018  
**Issue Date:** November 2, 2018  
**Maturity Date:** September 20, 2028  
**Offering Amount:** About 2.2 trillion yen

\* New 10Y JGBs will likely be the first reopening of JB352 carrying a 0.1% coupon.

\*\* On October 31, JB352 was traded at 0.120-0.125% (+0.5 - +1.0bp v. previous day's close) and closed at 0.120% (+0.5bp).

### Exp. Rating on Auction Results

1	2	3	4	5
Failed	Poor	Average	Good	Outstanding

### 0.10-0.15% range expected in the near term

Since the previous 10Y JGB auction on October 2, the 10Y US Treasury yield had moved at around 3.2% reflecting solid economic indicators such as jobs data. In such an environment, the yield of 10Y JGBs (JB352) had moved at the 0.14-0.15% level on an intraday basis. Since mid-October, the US Treasury and JGB markets have been firm as stocks have extended decline globally reflecting (1) the emergence of concerns about the deterioration of US-Saudi Arabia relations, (2) caution about the escalation of US-China trade friction, and (3) worries about China's economic slowdown. The 10Y JGB yield thus temporarily declined to 0.105% on an intraday basis. This week, the yield rose from 0.110% to 0.125% amid a lull in the stock price declines.

At its Monetary Policy Meeting (MPM) on October 31, the BOJ decided by a majority vote to maintain its yield curve control (YCC) policy. At the same time, the BOJ made downward revisions to its economic and price projections (as of July) especially for FY18 in the Outlook for Economic Activity and Prices report. As the MPM is not planned in November, expectations for tweaking the YCC policy are unlikely to strengthen. It is highly possible that the 10Y JGB yield will remain in the existing range (0.10-0.15%) in the near term.

In such a situation, we expect tomorrow's auction to go smoothly as short-covering may be supportive to some extent. However, if we assume the 0.10-0.15% range, the current level (around 0.125%) would discourage primary dealers from placing aggressive bids for new

10Y JGBs more than necessary. We would like to set the amount of bidding with the idea that around 0.140% is the starting point for aggressive purchases of 10Y JGBs.

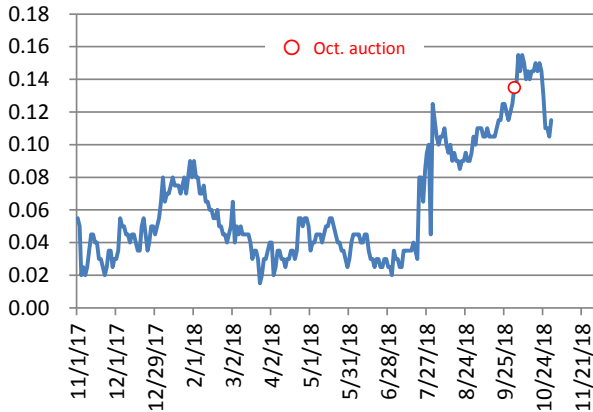
In terms of the relative value, we would like to think about new 10Y JGBs, assuming the possibility of short-term reversals in the 7Y/10Y spread and 10Y JGB asset swap spread. Throughout October, the 7Y/10Y spread has gradually widened and now is the widest level in a year (Appendix 6). Similarly, the 10Y JGB asset swap spread is also the tightest in a year (Appendix 4). It appears that widening of the former and tightening of the latter have intensified under the recent JGB uptrend. If so, we could expect short-term reversals as the stock downtrend, a trigger of the uptrend, seems to have a lull (as of 15:00 on October 31).

**10Y JGB Auction Results**

Auction Date	Issue#	Coupon %	Maturity Date	Issue Size (billion yen)	Bid/Cover	Average Accepted Price	Lowest Accepted Price	Tail (yen)	Average Accepted Yield	Highest Accepted Yield	Tail (%)	Allotment %	
10/2/18	352	0.1*	9/20/28	2,200**									
9/5/18	351R	0.1	6/20/28	2,506	4.55	99.87	99.86	0.01	0.113	0.115	0.002	57.5664	Avg
8/2/18	351R	0.1	6/20/28	2,485	4.17	99.74	99.62	0.12	0.126	0.138	0.012	48.9994	Poor
7/3/18	351	0.1	6/20/28	2,478	4.37	100.62	100.60	0.02	0.037	0.039	0.002	38.2288	Good
6/5/18	350R	0.1	3/20/28	2,255	4.38	100.50	100.49	0.01	0.048	0.049	0.001	94.4896	Good
5/8/18	350R	0.1	3/20/28	2,432	4.20	100.53	100.52	0.01	0.046	0.047	0.001	91.9407	Good
4/3/18	350R	0.1	3/20/28	2,528	4.16	100.67	100.66	0.01	0.032	0.033	0.001	4.0302	Good
3/1/18	350	0.1	3/20/28	2,639	4.53	100.38	100.37	0.01	0.061	0.062	0.001	41.7549	Good
2/1/18	349R	0.1	12/20/27	2,456	4.58	100.11	100.09	0.02	0.088	0.090	0.002	72.9297	Avg
1/10/18	349R	0.1	12/20/27	2,467	3.74	100.21	100.20	0.01	0.078	0.079	0.001	65.5523	Avg
12/5/17	349	0.1	12/20/27	2,459	3.70	100.40	100.35	0.05	0.059	0.064	0.005	88.8083	Poor
11/1/17	348R	0.1	9/20/27	2,478	4.55	100.37	100.37	0.00	0.062	0.062	0.000	80.1558	Good
10/3/17	348R	0.1	9/20/27	2,299	4.08	100.22	100.17	0.05	0.077	0.082	0.005	10.5753	Poor
9/5/17	348	0.1	9/20/27	2,311	3.95	100.88	100.83	0.05	0.011	0.016	0.005	57.7604	Poor

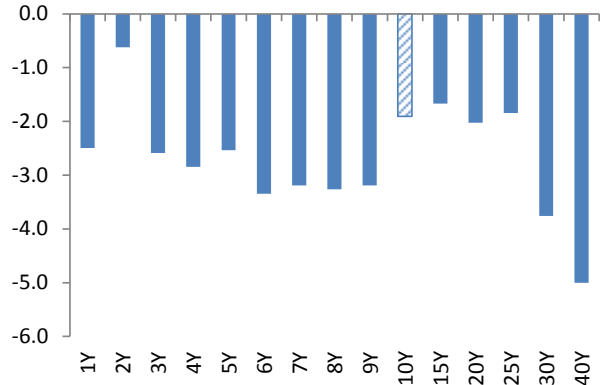
\* Daiwa Securities forecast as of 14:00 JST on Oct. 1 \*\* Amount the MOF plans to issue  
 Source: Ministry of Finance (MOF), Daiwa Securities.

**Appendix 1: 10Y JGB Yield (%)**



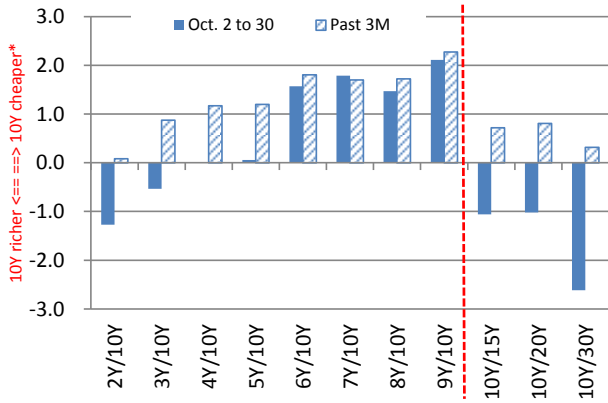
Source: Daiwa Securities.

**Appendix 2: JGB Yield Change (Oct. 2 v. Oct. 30, bp)**



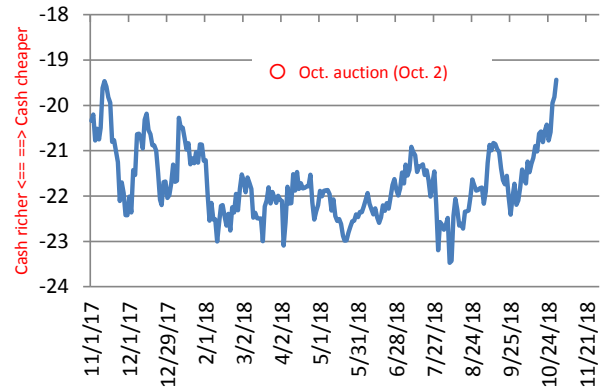
Source: Daiwa Securities.

### Appendix 3: Z-scores of JGB Yield Spreads



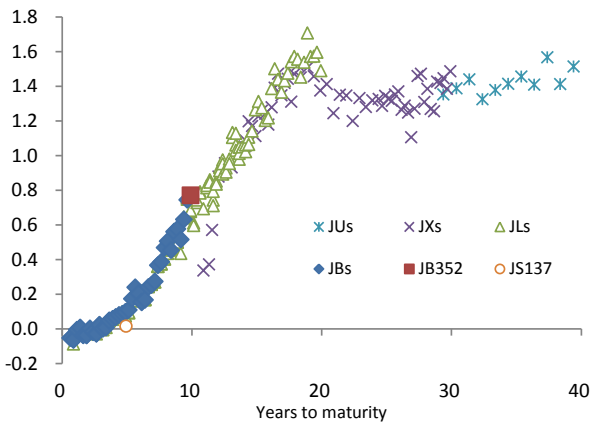
Source: Daiwa Securities.

### Appendix 4: 10Y JGB Asset Swap Spread (bp)



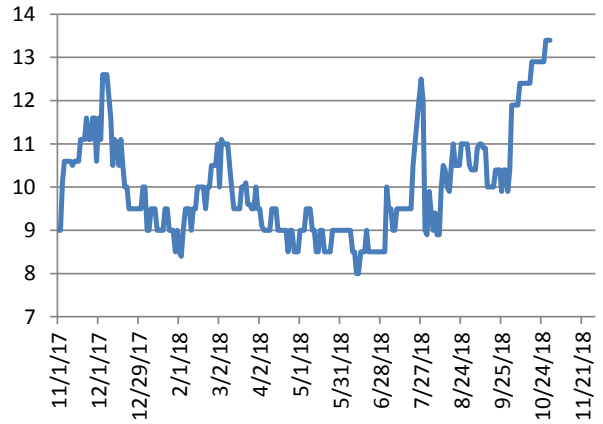
\* Yen LIBOR basis  
Source: Daiwa Securities.

### Appendix 5: JGB Total Return Curve (6M, %)



Note: Based on JGB yield curve on Oct. 30; assuming that those yield curve shapes do not change and factoring roll-down effect etc  
Source: Daiwa Securities.

### Appendix 6: JGB 7Y/10Y Spread (bp)



Note: CTD and on-the-run 10Y JGBs basis  
Source: Daiwa Securities

## Explanatory Document of Unregistered Credit Ratings

In order to ensure the fairness and transparency in the markets, Credit Rating Agencies became subject to the Credit Rating Agencies' registration system based on the Financial Instruments and Exchange Act. In accordance with this Act, in soliciting customers, Financial Instruments Business Operators, etc. shall not use the credit ratings provided by unregistered Credit Rating Agencies without informing customers of the fact that those Credit Rating Agencies are not registered, and shall also inform customers of the significance and limitations of credit ratings, etc.

### ■ The Significance of Registration

Registered Credit Rating Agencies are subject to the following regulations:

- 1) Duty of good faith.
- 2) Establishment of control systems (fairness of the rating process, and prevention of conflicts of interest, etc.).
- 3) Prohibition of the ratings in cases where Credit Rating Agencies have a close relationship with the issuers of the financial instruments to be rated, etc.
- 4) Duty to disclose information (preparation and publication of rating policies, etc. and public disclosure of explanatory documents).

In addition to the above, Registered Credit Rating Agencies are subject to the supervision of the Financial Services Agency ("FSA"), and as such may be ordered to produce reports, be subject to on-site inspection, and be ordered to improve business operations, whereas unregistered Credit Rating Agencies are free from such regulations and supervision.

### ■ Credit Rating Agencies

#### [Standard & Poor's]

##### The Name of the Credit Rating Agencies group, etc

The name of the Credit Rating Agencies group: S&P Global Ratings ("Standard & Poor's")

The name and registration number of the Registered Credit Rating Agency in the group: S&P Global Ratings Japan Inc. (FSA commissioner (Rating) No.5)

##### How to acquire information related to an outline of the rating policies and methods adopted by the person who determines Credit Ratings

The information is posted under "Unregistered Rating Information" (<http://www.standardandpoors.co.jp/unregistered>) in the "Library and Regulations" section on the website of S&P Global Ratings Japan Inc. (<http://www.standardandpoors.co.jp>)

##### Assumptions, Significance and Limitations of Credit Ratings

Credit ratings assigned by Standard & Poor's are statements of opinion on the future credit quality of specific issuers or issues as of the date they are expressed and they are not indexes which show the probability of the occurrence of the failure to pay by the issuer or a specific debt and do not guarantee creditworthiness. Credit ratings are not a recommendation to purchase, sell or hold any securities, or a statement of market liquidity or prices in the secondary market of any issues.

Credit ratings may change depending on various factors, including issuers' performance, changes in external environment, performance of underlying assets, creditworthiness of counterparties and others. Standard & Poor's conducts rating analysis based on information it believes to be provided by the reliable source and assigns credit ratings only when it believes there is enough information in terms of quality and quantity to make a conclusion. However, Standard & Poor's does not perform an audit, due diligence or independent verification of any information it receives from the issuer or a third party, or guarantee its accuracy, completeness or timeliness of the results by using the information. Moreover, it needs to be noted that it may incur a potential risk due to the limitation of the historical data that are available for use depending on the rating.

This information is based on information Daiwa Securities Co. Ltd. has received from sources it believes to be reliable as of March 7th, 2017, but it does not guarantee accuracy or completeness of this information. For details, please refer to the website of S&P Global Ratings Japan Inc. (<http://www.standardandpoors.co.jp>)

#### [Moody's]

##### The Name of the Credit Rating Agencies Group, etc

The name of the Credit Rating Agencies group: Moody's Investors Service ("MIS")

The name and registration number of the Registered Credit Rating Agency in the group: Moody's Japan K.K. (FSA commissioner (Rating) No.2)

##### How to acquire information related to an outline of the rating policies and methods adopted by the person who determines Credit Ratings

The information is posted under "Unregistered Rating explanation" in the section on "The use of Ratings of Unregistered Agencies" on the website of Moody's Japan K.K. (The website can be viewed after clicking on "Credit Rating Business" on the Japanese version of Moody's website ([https://www.moody.com/pages/default\\_ja.aspx](https://www.moody.com/pages/default_ja.aspx)))

##### Assumptions, Significance and Limitations of Credit Ratings

Credit ratings are Moody's Investors Service's ("MIS") current opinions of the relative future credit risk of entities, credit commitments, or debt or debt-like securities. MIS defines credit risk as the risk that an entity may not meet its contractual, financial obligations as they come due and any estimated financial loss in the event of default. Credit ratings do not address any other risk, including but not limited to: liquidity risk, market value risk, or price volatility. Credit ratings do not constitute investment or financial advice, and credit ratings are not recommendations to purchase, sell, or hold particular securities. No warranty, express or implied, as to the accuracy, timeliness, completeness, merchantability or fitness for any particular purpose of any such rating or other opinion or information, is given or made by MIS in any form or manner whatsoever.

Based on the information received from issuers or from public sources, the credit risks of the issuers or obligations are assessed. MIS adopts all necessary measures so that the information it uses in assigning a credit rating is of sufficient quality and from sources MIS considers to be reliable. However, MIS is not an auditor and cannot in every instance independently verify or validate information received in the rating process.

This information is based on information Daiwa Securities Co. Ltd. has received from sources it believes to be reliable as of April 16<sup>th</sup>, 2018, but it does not guarantee accuracy or completeness of this information. For details, please refer to the website of Moody's Japan K.K. ([https://www.moody.com/pages/default\\_ja.aspx](https://www.moody.com/pages/default_ja.aspx))

#### [Fitch]

##### The Name of the Credit Rating Agencies group, etc

The name of the Credit Rating Agencies group: Fitch Ratings ("Fitch")

The name and registration number of the Registered Credit Rating Agency in the group: Fitch Ratings Japan Limited (FSA commissioner (Rating) No.7)

##### How to acquire information related to an outline of the rating policies and methods adopted by the person who determines Credit Ratings

The information is posted under "Outline of Rating Policies" in the section of "Regulatory Affairs" on the website of Fitch Ratings Japan Limited (<https://www.fitchratings.co.jp/web/>)

##### Assumptions, Significance and Limitations of Credit Ratings

Ratings assigned by Fitch are opinions based on established criteria and methodologies. Ratings are not facts, and therefore cannot be described as being "accurate" or "inaccurate". Credit ratings do not directly address any risk other than credit risk. Credit ratings do not comment on the adequacy of market price or market liquidity for rated instruments. Ratings are relative measures of risk; as a result, the assignment of ratings in the same category to entities and obligations may not fully reflect small differences in the degrees of risk. Credit ratings, as opinions on relative ranking of vulnerability to default, do not imply or convey a specific statistical probability of default.

In issuing and maintaining its ratings, Fitch relies on factual information it receives from issuers and underwriters and from other sources Fitch believes to be credible. Fitch conducts a reasonable investigation of the factual information relied upon by it in accordance with its ratings methodology, and obtains reasonable verification of that information from independent sources, to the extent such sources are available for a given security or in a given jurisdiction. The assignment of a rating to any issuer or any security should not be viewed as a guarantee of the accuracy, completeness, or timeliness of the information relied on in connection with the rating or the results obtained from the use of such information. If any such information should turn out to contain misrepresentations or to be otherwise misleading, the rating associated with that information may not be appropriate. Despite any verification of current facts, ratings can be affected by future events or conditions that were not anticipated at the time a rating was issued or affirmed.

For the details of assumption, purpose and restriction of credit ratings, please refer to "Definitions of ratings and other forms of opinion" on the website of Fitch Rating Japan Limited.

This information is based on information Daiwa Securities Co. Ltd. has received from sources it believes to be reliable as of May 13<sup>th</sup>, 2016, but it does not guarantee accuracy or completeness of this information. For details, please refer to the website of Fitch Rating Japan Limited (<https://www.fitchratings.co.jp/web/>)

May 2018

**IMPORTANT**

This report is provided as a reference for making investment decisions and is not intended to be a solicitation for investment. Investment decisions should be made at your own discretion and risk. Content herein is based on information available at the time the report was prepared and may be amended or otherwise changed in the future without notice. We make no representations as to the accuracy or completeness. Daiwa Securities Co. Ltd. retains all rights related to the content of this report, which may not be redistributed or otherwise transmitted without prior consent.

**Notification items pursuant to Article 37 of the Financial Instruments and Exchange Law**

(This Notification is only applicable to where report is distributed by Daiwa Securities Co. Ltd.)

If you decide to enter into a business arrangement with our company based on the information described in this report, we ask you to pay close attention to the following items.

- In addition to the purchase price of a financial instrument, our company will collect a trading commission\* for each transaction as agreed beforehand with you. Since commissions may be included in the purchase price or may not be charged for certain transactions, we recommend that you confirm the commission for each transaction. In some cases, our company also may charge a maximum of ¥ 2 million (including tax) per year as a standing proxy fee for our deposit of your securities, if you are a non-resident.
- For derivative and margin transactions etc., our company may require collateral or margin requirements in accordance with an agreement made beforehand with you. Ordinarily in such cases, the amount of the transaction will be in excess of the required collateral or margin requirements\*\*.
- There is a risk that you will incur losses on your transactions due to changes in the market price of financial instruments based on fluctuations in interest rates, exchange rates, stock prices, real estate prices, commodity prices, and others. In addition, depending on the content of the transaction, the loss could exceed the amount of the collateral or margin requirements.
- There may be a difference between bid price etc. and ask price etc. of OTC derivatives handled by our company.
- Before engaging in any trading, please thoroughly confirm accounting and tax treatments regarding your trading in financial instruments with such experts as certified public accountants.

\* The amount of the trading commission cannot be stated here in advance because it will be determined between our company and you based on current market conditions and the content of each transaction etc.

\*\* The ratio of margin requirements etc. to the amount of the transaction cannot be stated here in advance because it will be determined between our company and you based on current market conditions and the content of each transaction etc.

When making an actual transaction, please be sure to carefully read the materials presented to you prior to the execution of agreement, and to take responsibility for your own decisions regarding the signing of the agreement with our company.

Corporate Name:	Daiwa Securities Co. Ltd.
Registered:	Financial Instruments Business Operator Chief of Kanto Local Finance Bureau (Kin-sho) No.108
Memberships:	Japan Securities Dealers Association The Financial Futures Association of Japan Japan Investment Advisers Association Type II Financial Instruments Firms Association