

# **Outlook for 20Y JGB Auction**

# **Bidding solidly**

- ✓ May be the first auction to be conducted at the yield level below 0.4% since October 2016
- ✓ Although the low level of absolute yields is a concern, this should be a favorable auction for auction participants, given that conditions are not conducive for any significant expectations of future rate increases, the BOJ's trimming purchasing in the over-10-year to 25-year zone are unlikely, and the 20Y sector is not rich on the curve at the moment.
- Placing solid bids to build small-lot long positions

Strategic Memorandum DSTE298 FICC Research Dept.

> Senior JGB Strategist Keiko Onogi +813 5555 8788 keiko.onogi@daiwa.co.jp

Daiwa Securities Co. Ltd.

# **Auction Details**

Auction Date:	March 19, 2019
Issue Date:	March 20, 2019
Maturity Date:	December 20, 2038
Offering Amount:	About 1.0 trillion yen

\* New 20Y JGBs will be the final reopening of JL167 carrying a 0.5% coupon.

\*\* On March 18, JL167 traded at 0.395% (unch v. previous day's close) and closed at 0.395% (unch).

# Exp. Rating on Auction Results

1	2	3	4	5
Failed	Poor	Average	Good	Outstanding

May be the first auction to be conducted at the yield level below 0.4% since October 2016

After the previous 20Y JGB auction, which was held at yield levels of 0.420-0.425%, went well on February 19, the market sentiment for superlong JGBs remained good and the 20-year JGB yield dropped as low as 0.390% during intraday trading at one point. Toward the end of February, as the strong stocks/weak bonds theme gained momentum in the US, the JGB market also softened. In addition, it negatively surprised the JGB market when the BOJ announced its JGB purchase operations plan for March at end-February and reduced the number of its operations in the over-5-year to 10-year zone from 5 to 4. While the JGB market sentiment weakened, the 20-year yield rose as high as 0.450%. With the start of March, stocks weakened and bonds strengthened in US markets. In Japan, the 30-year JGB auction held on March 7 went smoothly, improving the market sentiment around the long end of the curve. In such a situation, the 20-year JGB yield fell as low as 0.385% during intraday trading late last week. As JL167 traded at 0.395% today, it looks likely that this will be the first auction to be conducted at the yield level below 0.4% since the one held in October 2016.

Next we check some key points to consider the bidding stance at tomorrow's auction. We start by looking at the environment affecting superlong JGBs. Amid persisting concerns about the global economy on the back of mixed US economic indicators in addition to sluggish European and Chinese data, the ECB Governing Council announced dovish



measures on March 7, following the Fed that has already shifted to a dovish stance. Also in Japan, a part of economic indicators point that Japan economy could be already in recession. Market participants are apt to get further cautious about the economic outlook. (Whether realistic or not,) the external environment is likely to continue fanning expectations of additional easing. Current conditions make strong expectations of higher yields unlikely to materialize.

We think the BOJ is unlikely to reduce its purchases in the over-10-year to 25-year sector anytime soon One domestic factor of concern is that the BOJ may adjust the amount of its purchases, but we think it is unlikely to reduce its purchases in the over-10-year to 25-year sector anytime soon. At its operations on February 12, the BOJ substantially reduced the amount it offered in the over-10-year to 25-year zone, and in March it reduced the number of its operations in the over-5-year to 10-year zone, which is expected to make the monthly purchase amount in the zone smaller than that in February. Looking ahead, we think that it will likely be the 1-5Y zone if the BOJ trims purchasing next time, while the 10Y JGB yield has been moving rather stably. This is because the Bank has not reduced the purchase amounts in the zone since the government decided to reduce JGB issuance in FY2019.

The 20-year sector is notably cheap relative to the curve and relative to swaps. The 20-year sector has not looked that rich relative to the curve, particularly since the most recent auction. Relative to the 21-25-year and 40-year sectors, on the other hand, it looks cheap (Reference 3). With a 40-year JGB auction coming up on March 26 (Tuesday), we think that this cheapness may be corrected (Reference 6) by switching-out activities from those sectors into the 20Y sector. Since the previous auction in February, the 20-year asset swaps have traded flat and in a narrow range. As the current level is near the median of the range, we do not expect much demand for 20Y JGBs related to asset swaps.

One factor of concern in terms of the auction's timing is the FOMC meeting scheduled for March 19-20, when the committee's members will announce their forecasts for the economy and for the policy rate. The market consensus is that both will be revised downward. Given also that the 10-year Treasury yield is near the bottom of its range since January, concerns linger over US markets' reactions if the Fed is not as dovish as the consensus expects. Even in that case, however, Japan's national holiday on March 21 (Thursday) provides a chance to digest the U.S. market trend on March 20-21, and given also that the BOJ has two operations in the over-10-year to 25-year sector scheduled after the auction until end-March (for a total of Y360 billion), a collapse of the 20-year JGB market is unlikely.

Placing solid bids to go<br/>long in small logOverall, expecting the 20-year JGB yield to trade in a range of 0.35-0.40% over the next<br/>month, we would like to place solid bids to go long in small lot.

### **20Y JGB Auction Results**

Although the upcoming

source of concern, we

think a collapse of the

market for 20-year JGBs

FOMC meeting is a

is unlikely

Auction Date	Issue #	Coupon (%)	Maturity Date	Issue Size (billion yen)	B/C	Average Accepted Price (Yen)	Lowest Accepted Price (Yen)	Tail (Yen)	Average Accepted Yield (%)	Highest Accepted Yield (%)	Tail (%)	Allotment (%)	Rating
3/19/19	167R	0.5	12/20/38	1,000*									
2/19/19	167R	0.5	12/20/38	1,118	4.67	101.47	101.40	0.07	0.419	0.423	0.004	29.3637	Good
1/24/19	167	0.5	12/20/38	1,133	4.57	100.59	100.55	0.04	0.467	0.469	0.002	24.2842	Good
12/18/18	166R	0.7	9/20/38	1,121	3.44	102.80	102.75	0.05	0.543	0.545	0.002	65.7187	Good
11/20/18	166R	0.7	9/20/38	999	3.91	101.55	101.50	0.05	0.612	0.615	0.003	45.3947	Avg
10/18/18	166	0.7	9/20/38	1,075	4.23	100.29	100.25	0.04	0.683	0.685	0.002	41.8922	Avg
9/20/18	165R	0.5	6/20/38	999	4.03	97.91	97.85	0.06	0.618	0.622	0.004	13.0174	Good
8/21/18	165R	0.5	6/20/38	1,121	4.66	98.10	98.05	0.05	0.607	0.610	0.003	15.0048	Good
7/12/18	165	0.5	6/20/38	1,118	4.54	100.13	100.10	0.03	0.492	0.494	0.002	63.8373	Good
6/26/18	164R	0.5	3/20/38	999	4.23	99.93	99.85	0.08	0.503	0.508	0.005	5.5369	Poor
5/22/18	164R	0.5	3/20/38	999	4.12	99.42	99.40	0.02	0.532	0.533	0.001	87.1182	Avg
4/19/18	164R	0.5	3/20/38	999	3.69	100.00	99.90	0.10	0.500	0.505	0.005	3.4926	Poor
3/15/18	164	0.5	3/20/38	1,127	4.47	99.22	99.20	0.02	0.543	0.544	0.001	83.3690	Good
2/22/18	163R	0.6	12/20/37	1,146	4.44	100.68	100.65	0.03	0.561	0.563	0.002	56.8524	Avg

\* Amount the Ministry of Finance plans to issue Source: Ministry of Finance (MOF), Daiwa Securities.

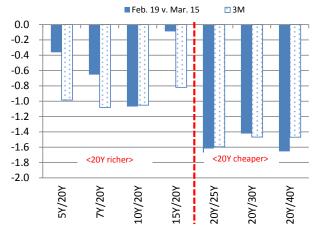




## Appendix 1: 20Y JGB Yield (%)

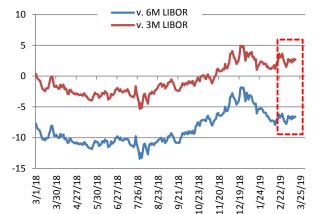
# Source: Daiwa Securities.





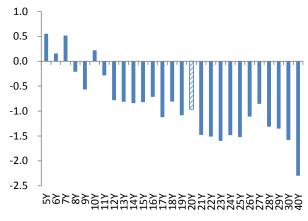
Source: Daiwa Securities.

## Appendix 4a: 20Y JGB Asset Swap Spread (bp)



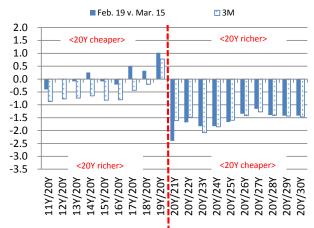
Note: since Feb. auction Source: Daiwa Securities.





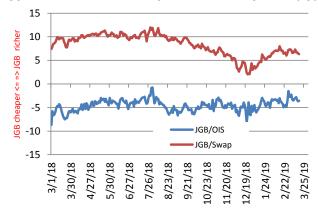
Source: Daiwa Securities.

## Appendix 3b: Z-score II



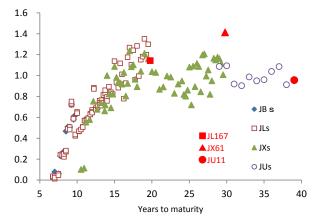
Source: Daiwa Securities.

Appendix 4b: 20Y JGB/Swap and JGB/OIS Spreads (bp)



Source: Daiwa Securities.

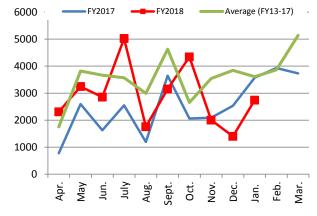




Appendix 5: JGB Total Return Curve (3M, %)

Note: Based on the Mar. 15 JGB yield curve; factoring in roll-down effect etc. Source: Daiwa Securities.

# Appendix 6a: Trend of Life and Non-life Insurers' Net Purchase of Superlong JGBs (Yen 100M)



Source: JSDA

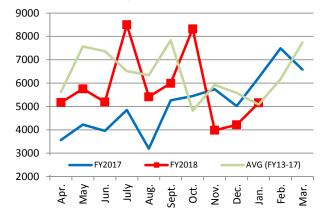
# Appendix 6: JGB Yield Spreads (bp)



Source: Daiwa Securities

Note: Generic yield basis

# Appendix 6b: Trend of Life and Non-life Insurers' Goss Purchase of Superlong JGBs (Yen 100M)



Source: JSDA



# **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.moodys.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 16th, 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.moodys.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 13th, 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