A smooth auction expected, but JL174 tap's upside to be limited below 0.4%

- ✓ While the downside of 20Y JGBs has been supported well above 0.4% by demand from investors, the upside has been limited below 0.4%.
- ✓ We would like to think about our bidding stance, expecting the 20Y JGB yield to remain in a narrow range centered at 0.40%.
- In terms of relative value, it is worth considering switching out from the 11-15Y sectors

Strategic Memorandum DSTE412 FICC Research Dept.

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

Daiwa Securities Co. Ltd.

Auction Date:	November 18, 2020						
Issue Date:	November 19, 2020						
Maturity Date:	September 20, 2040						
Offering Amount:	About 1.2 trillion yen						

* New 20Y JGBs will be the first reopening of JL174 carrying a 0.4% coupon.

** On November 17, JL174 traded and closed at 0.400% (-0.5bp v. previous day's close).

Exp. Rating on Auction Results

1	2	3	4	5		
Failed	Poor	Average	Good	Outstanding		

The previous 20Y JGB auction went well at the 0.395-0.400% level (vs. WI closing at 0.410% on previous day). Since then, the 20Y JGB yield has moved in the 0.380-0.415% range on an intraday basis. At 14:00 today (Nov. 17), JL174 trades at 0.400% (-0.5bp vs. previous day's close). While the downside of 20Y JGBs has been supported by demand from investors above 0.4%, the upside has been limited below 0.4%.

We look at the environment surrounding the JGB market. Currently the market is posting a trend of higher stock prices/lower bond prices amid a series of headlines related to the development of COVID-19 vaccines. However, from a practical viewpoint, it will take a considerable time before vaccines are widely diffused. Amid the spread of COVID-19 infections around the globe, we are unable to have an optimistic outlook for the global economy. In the US, as the results of the presidential election became clear in all the 50 states, it is now certain that former Vice President Democrat Joe Biden won the election. At the moment, the chance of a "blue wave" is not zero, but it remains quite low. Partly because of this, some think it difficult for Mr. Biden to realize his own policies with a dividend congress. However, the direction toward fiscal expansion and monetary easing is unlikely to be changed amid strong worries about the economic outlook due to the pandemic. Also in Japan, Prime Minister Yoshihide Suga instructed on November 10 to formulate additional economic measures. The BOJ is also likely to keep the current yield curve control policy persistently. A noteworthy topic regarding 20Y JGBs is the development of discussions on

Moving in the 0.380-0.415% range since previous auction

While the downside of 20Y JGBs is supported above 0.4% by demand from investors, the upside is limited below 0.4%



Japan

the FY21 JGB issuance plan. At the moment, we have the impression that the Ministry of Finance (MOF) is negative about a further increase in the issuance of superlong JGBs. However, the market appears to have a strong request for further issuance of 20Y and 40Y JGBs. We thus need to watch closely how the discussion progresses also in terms of the MOF's commitment to "a maturity structure that meets market needs." In such a situation, we summarize key points to think about the bidding stance at tomorrow's auction as follows:

- ✓ There are no strong worries about demand from investors above 0.4%: While the downside of 20Y JGBs has been supported by demand from investors above 0.4%, the upside has been limited below 0.4%. If JL174 tap is expected to be sold above 0.4% or under par, no worries would be needed about demand from investors;
- ✓ In terms of relative value, the 20Y sector is strongly undervalued vs. the 5Y, 11-15Y, 18Y, and 19Y sectors on the curve: Our analysis based on data since the previous 20Y JGB auction shows that the 20Y sector is noticeably undervalued vs. the 5Y, 11-15Y, 18Y, and 19Y sectors on the intermediate to superlong zone of the curve (Appendix 3). Since the previous auction, the 20Y asset swap spread has tightened, albeit moderately. This suggests that 20Y cash is at a cheaper level than it was at the previous auction (Appendix 6);
- Primary dealers seem to be short in the 20Y sector: Decent short-covering is likely to support the auction to some extent;
- Tight issuance schedule for superlong JGBs: Starting from last week's 30Y JGB auction, the superlong zone will have a concentrated supply until next month's 20Y JGB auction slated for December 10. It appears risky to make big long positions at tomorrow's auction.

Placing bids to take only the necessary amount with expectation that the 20Y JGB yield will remain in a narrow range centered at 0.40%

Overall, we would like to think about our bidding stance to take only the necessary amount at tomorrow's auction, expecting the 20Y JGB yield to remain in a narrow range centered at 0.40% (for eample, 0.38-0.42%). In terms of relative value, we would like to consider switching out from the 11-15Y sectors. As mentioned above, the 20Y sector is strongly undervalued vs. these sectors at current levels. In addition, these sectors are quite expensive in the 10-20Y zone of the curve. Moreover, as the 11-15Y/20Y spreads have widened to their reversal levels seen in July (Appendix 5), it would be worth considering switching out from the 11-15Y sectors.

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
11/18/20	174R	0.4	9/20/40	1,200*									
10/20/20	174	0.4	9/20/40	1,304.1	3.86	100.10	100.05	0.05	0.394	0.397	0.003	18.5341	Good
9/10/20	173R	0.4	6/20/40	1,243.1	3.69	99.85	99.75	0.10	0.408	0.413	0.005	75.5975	Avg
8/25/20	173R	0.4	6/20/40	1,316.2	3.92	99.94	99.90	0.04	0.403	0.405	0.002	67.8187	Good
7/21/20	173	0.4	6/20/40	1,313.4	3.80	99.70	99.65	0.05	0.416	0.419	0.003	28.5714	Good
6/26/20	172R	0.4	3/20/40	977.7	3.87	100.24	100.20	0.04	0.386	0.389	0.003	59.9036	Good
5/20/20	172R	0.4	3/20/40	957.3	4.25	101.26	101.20	0.06	0.332	0.335	0.003	36.3983	Good
4/21/20	172	0.4	3/20/40	899.4	3.58	101.21	101.10	0.11	0.335	0.340	0.005	16.5349	Avg
3/12/20	171R	0.3	12/20/39	963.5	3.69	100.98	100.90	0.08	0.248	0.252	0.004	97.2897	Good
2/20/20	171R	0.3	12/20/39	969.8	3.99	101.27	101.25	0.02	0.232	0.234	0.002	81.9560	Good
1/17/20	171	0.3	12/20/39	899.1	3.83	99.99	99.90	0.09	0.300	0.305	0.005	93.4722	Good
12/17/19	170R	0.3	9/20/39	1,027.5	4.10	100.25	100.20	0.05	0.286	0.289	0.003	30.5611	Good
11/20/19	170R	0.3	9/20/39	1,032.8	4.21	100.63	100.60	0.03	0.266	0.268	0.002	43.6701	Good
10/24/19	170	0.3	9/20/39	899.3	3.91	101.04	100.95	0.09	0.245	0.249	0.004	57.2532	Avg

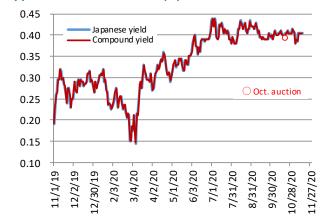
20Y JGB Auction Results

* Amount the Ministry of Finance plans to issue

Source: Ministry of Finance (MOF), Daiwa Securities.

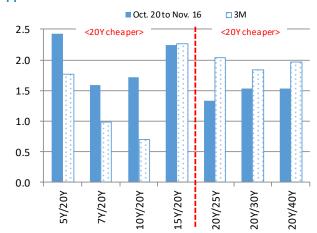


Appendix 1: 20Y JGB Yield (%)



Source: Daiwa Securities.

Appendix 3a: Z-score I



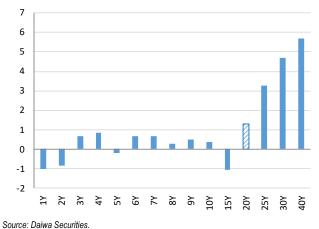
Source: Daiwa Securities.

Appendix 4: JGB Total Return Curve (3M, %)

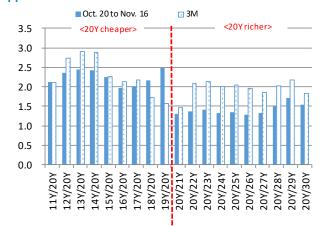


Note: Based on the Nov-16 JGB yield curve; factoring in roll-down effect etc. Source: Daiwa Securities.

Appendix 2: JGB Yield Change (bp): Oct. 20 v. Nov. 16







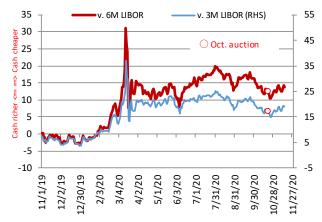
Source: Daiwa Securities.

Appendix 5: JGB 11-15Y/20Y Spreads (bp)



Note: Generic compound yield Source: Daiwa Securities

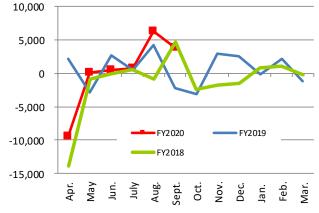




Appendix 6a: 20Y JGB Asset Swap Spread (bp)

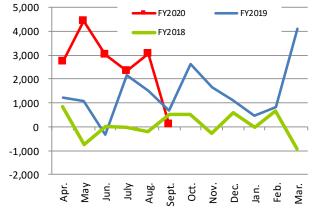
Source: Daiwa Securities.

Appendix 7a: Trend of Major Banks' Net Purchase of Superlong JGBs (Yen 100M)



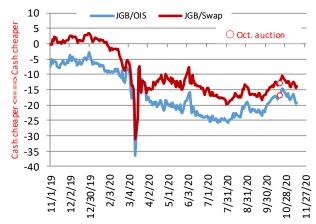
Source: JSDA

Appendix 8a: Trend of Regional Banks' Net Purchase of Superlong JGBs (Yen 100M)



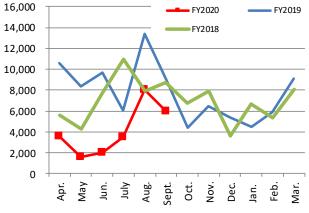
Source: JSDA

Appendix 6b: 20Y JGB/Swap and JGB/OIS Spreads (bp)



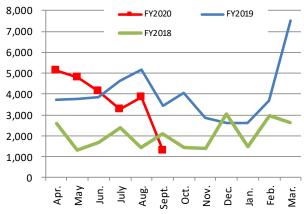
Source: Daiwa Securities.

Appendix 7b: Trend of Major Banks' Gross Purchase of Superlong JGBs (Yen 100M)



Source: JSDA

Appendix 8b: Trend of Regional Banks' Gross 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.

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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).

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Credit Rating Agencies

[Standard & Poor's]

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[Moodv's]

The Name of the Credit Rating Agencies Group, etc

The name of the Credit Rating Agencies or out, 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)

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[Fitch]

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Other Disclosures Concerning Individual Issues:

1) As of 26 April 2016, Daiwa Securities Co. Ltd., its parent company Daiwa Securities Group Inc., GMO Financial Holdings, Inc., and its subsidiary GMO CLICK Securities, Inc. concluded a basic agreement for the establishment of a business alliance between the four companies.

As of end-December 2017, Daiwa Securities Group Inc. owned shares in GMO Financial Holdings, Inc. equivalent to approximately 9.3% of the latter's outstanding shares. Given future developments in and benefits from the prospective business alliance, Daiwa Securities Group Inc. could boost its stake in GMO Financial Holdings, Inc. to up to 20% of outstanding shares.

2) Daiwa Real Estate Asset Management is a subsidiary of Daiwa Securities Group Inc. and serves as the asset management company for the following J-REITS: Daiwa Office Investment Corporation (8976), Nippon Healthcare Investment Corporation (3308), Japan Rental Housing Investments (8986).

3) Samty Residential Investment became a consolidated subsidiary of Daiwa Securities Group Inc. effective 10 September 2019.

4) On 30 May 2019, Daiwa Securities Group Inc. formalized an equity/business alliance with Samty, and as of 14 June 2019 it owned 16.95% of shares outstanding in Samty along with convertible bonds with a par value of Y10bn. Conversion of all of said convertible bonds into common shares would bring the stake of Daiwa Securities Group Inc. in Samty to 27.28%.

5) Daiwa Securities Group Inc. and Credit Saison Co., Ltd. entered into a capital and business alliance, effective 5 September 2019. In line with this alliance, Daiwa Securities Group Inc. is to acquire up to 5.01% of Credit Saison's total common shares outstanding (excl. treasury shares; as of 31 Jul 2019).

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- 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 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.

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