

# **Outlook for 10Y JGBi Auction**

## Bidding at 10-12bp level

Japan

- ✓ Since previous auction in August, BEI of JBI24 has mostly remained in the 5-15bp range
- Impact of consumption tax hike on nationwide core-CPI growth rate may be smaller than expected
- From viewpoint of index ratio path, it is not a good timing to buy JGBis in an aggressive stance
- On the other hand, there are positive factors such as increase in purchases by BOJ and MOF etc.
- Bidding at 10-12bp level for minimum necessary amount

Strategic Memorandum DSTE340 FICC Research Dept.

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Daiwa Securities Co. Ltd.

## Auction Details

Auction Date:	November 8, 2019
Issue Date:	November 11, 2019
Maturity Date:	March 10, 2029
Offering Amount:	About 400 billion yen
Auction Method:	Dutch auction on an inflation-not- adjusted price with the increment of 0.05 yen
Base CPI:	101.40 (Nat'l core-CPI in Dec. 2018)
Ref. CPI:	101.697 (as on Nov. 11)
Index ratio:	1.00293 (as on Nov. 11)

\* New 10Y JGBis will be the second reopening of JBI24 carrying a 0.1% coupon. \*\* On Nov. 7, JBI24 traded at 104.35-104.45 yen (-0.05 - +0.05 yen v. previous day's close) and closed at 104.30 yen (-0.10 yen). JBI24 BEI closed at 12.8bp (-1.0bp).

## Exp. Rating on Auction Results

	1	2	3	4	5	
_	Failed	Poor	Average	Good	Outstanding	

**BEI has mostly remained in the 5-15bp range** Since the previous JGBi auction on August 8, the break-even inflation rate (or BEI) of JBI24 has mostly remained in the 5-15bp range (Chart 1). Concerns about the global economy are persisting partly because of the existence of uncertain factors, such as Brexit and US-China trade frictions. While it is difficult to expect a rise in inflation expectations around the globe, the domestic BEI has been stably kept low.

Impact of consumption tax hike may be smaller than expected In predicting the future developments, we are concerned about negative impact on JGBi investor sentiment from expected weakness in observed domestic inflation. The nationwide core-CPI growth rate has been consistently in positive territory for more than two years. However, the growth rate has declined to nearly 0% partly because positive contributions from energy prices have turned to contract. Although the consumption tax rate was hiked from 8% to 10% in October, we forecast that the



impact on the nationwide core-CPI growth rate will be smaller than expected, given the latest October CPI in the ward-area of Tokyo (Chart 5).

From viewpoint of index ratio path, it is not a good timing to buy JGBis in an aggressive stance Here, we check the index ratio path based on our CPI forecasts. The ratio is likely to decline slightly from November toward December (on actual basis). After that, it is expected to rise toward January and then to remain largely flat (Chart 6). If we assume that the JGBi price will be unchanged after buying at tomorrow's auction, we are unable to expect high return from JGBis (Chart 10). Unless a surge in JGBi prices is expected, it would not be a good timing to buy JGBis in an aggressive stance.

**Finding positive factors too** On the other hand, there are some postive factors, which may support this primary sale of new JGBis in comparison to the previous supply in August. From this November, the BOJ increases the offer amount of JGBis in its purchase operations from the previous 25bn yen to 30bn yen (up from 50bn yen to 60bn yen on monthly basis). In addition, from this quarter, the Ministry of Finance also intends to conduct JGBi buybacks every month (previously bimonthly basis). It is highly possible that the issuance amount in FY20 will be the same as that in FY19 at around 1.6tn yen. However, it is most likely that the MOF will make some changes (such as issuance frequency and schedule) to maintain and foster the JGBi market. We think an excessively pessimistic outlook is unnecessary for JGBis, given the followings: (1) purchases by the BOJ and MOF have slightly increased, (2) the MOF has strong commitment to JGBis, and (3) the BOJ is likely to maintain its accommodative monetary policy over the long term by sticking to the 2% price stability target.

## Bidding at 10-12bp level for minimum necessary amount

Amid lingering concerns about the global economy, it is difficult to expect a big rise in inflation expectations, as witnessed by a slowdown in crude oil prices as well as the BEI in Europe and the US (charts 8-9). At the same time, however, we think that the BEI is unlikely to swing down from the recent range, given the recent stable trends. We would like to think about placing our bids at the 10-12bp BEI level to take minimum necessary amount of new JGBis.

Auction Date	Issue #	Coupon (%)	Maturity Date	lssue Size (billion yen)		Lowest Accepted Price/Issue Price (Yen) (Note 1)	Yield	Allotment (%)	BEI Before Auction (Note 2)	BEI on Auction Day (bp) (Note 2)	Change from p.d. (bp) (Note 2)	Market Expectation of Lowest Accepted Price (Yen) (Note3)	Expected range	
11/8/19	24R	0.1	3/10/29	400*					13.8					
8/8/19	24R	0.1	3/10/29	414.3	3.84	104.25	-0.329	86.6906	12.3	11.8	-0.5	104.20	103.90~104.65	Avg
5/10/19	24	0.1	3/10/29	430.2	3.72	103.70	-0.266	94.4029	21.5	22.6	1.1	103.50	103.30~103.60	Good
2/15/19	23R	0.1	3/10/28	421.8	3.34	103.60	-0.287	16.3120	21.6	21.7	0.1	103.50	103.40~103.50	Good
11/6/18	23R	0.1	3/10/28	435.4	3.70	103.90	-0.305	43.0272	41.1	41.1	0.0	103.85	103.75~103.90	Avg
8/7/18	23R	0.1	3/10/28	418.4	3.12	104.05	-0.309	6.3636	48.0	41.0	-7.0	104.00	103.75-104.30	Avg
5/10/18	23	0.1	3/10/28	447.1	4.02	106.35	-0.513	32.0441	56.5	58.7	2.2	106.20	106.10-106.30	Good
2/6/18	22R	0.1	3/10/27	440.8	3.38	105.35	-0.464	5.0000	62.4	55.7	-6.7	106.25	106.00-106.30	Poor
10/5/17	22R	0.1	3/10/27	446.4	3.10	104.50	-0.361	55.6088	38.8	39.9	1.1	104.40	104.30-104.50	Good
8/3/17	22R	0.1	3/10/27	419.3	3.19	104.55	-0.358	69.4877	36.0	38.5	2.5	104.45	103.70-104.50	Good
4/11/17	22	0.1	3/10/27	453.9	3.64	105.00	-0.385	50.5643	44.0	46.7	2.7	104.80	104.65-105.00	Good
2/7/17	21R	0.1	3/10/26	412.2	2.61	105.10	0.439	25.7142	62.9	58.2	-4.7	105.30	105.00-105.50	Poor
10/6/16	21R	0.1	3/10/26	425.1	3.21	104.80	-0.391	40.0537	30.9	37.1	6.2	104.75	104.50-104.90	Good
8/4/16	21R	0.1	3/10/26	454.3	2.85	104.20	-0.324	72.0520	30.0	31.0	1.0	103.80	103.40-104.05	Good
4/12/16	21	0.1	3/10/26	435.6	2.84	104.90	-0.376	80.0000	35.0	36.7	1.7	104.70	104.30-105.40	Good

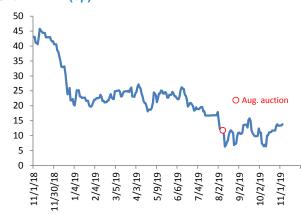
#### **10Y JGBi Auction Results**

\* Planned by MoF (Note 1) Inflation adjusted price until August 2017 and inflation unadjusted price from October 2017 (Note2) Closing price; WI basis for new issues; as of Nov. 6 for the Nov. 2019 auction (Note 3) Bloomberg

Source: Ministry of Finance, Daiwa Securities

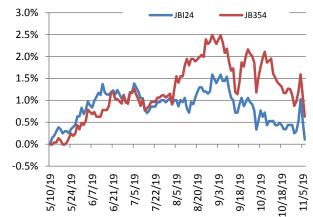


## Chart 1: BEI (bp)



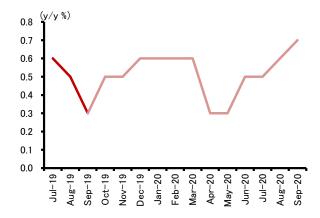
Note: On-the-run issues basis Source: Daiwa Securities

## Chart 3: Realized Return of JBI24 and JB354



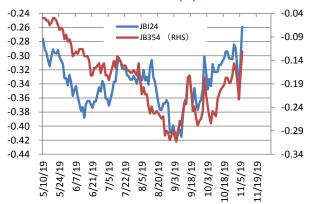
Note: HPR from May auction to each day Source: Daiwa Securities

#### Chart 5: Nationwide Core-CPI Growth Outlook (y/y %)



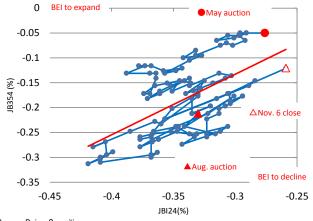
Note: Actual for July to Sep. 2019 Source: Daiwa Securities

## Chart 2: JBI24 and JB354 Yields (%)



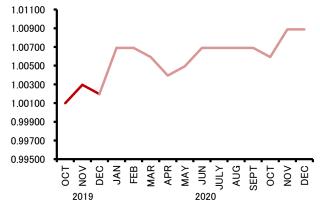
Source: Daiwa Securities

#### Chart 4: Correlation between JBI24 and JB354



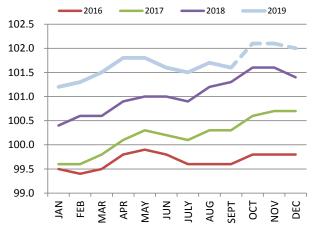
Source: Daiwa Securities

#### **Chart 6: JBI24 Index Ratio Forecast**



Note: Based on Chart 5, actual for May to Oct. to Dec. 2019 Source: Daiwa Securities



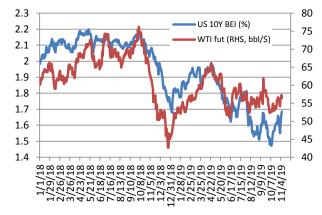


## **Chart 7: Seasonality of Nationwide Core-CPI**

Note: Daiwa forecast for Oct. to Dec. 2019

Source: Ministry of Internal Affairs and Communications, Daiwa Securities

## Chart 9: U.S. 10Y BEI and WTI Future Price



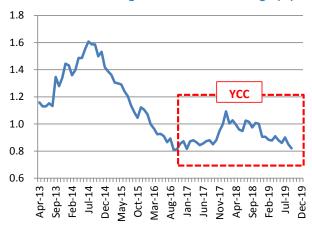
Source: Bloomberg

## Table 1: Results of BOJ Purchase and MOF Buyback

	Previous Day's Close (Yen)	Pro-rata Price Spread (Yen)	Average Successful Price Spread (Yen)	Allotment on Pro-rata (%)	B/C	Close Price (Yen)	
5/15/19	103.95	0.050	0.014	7.5	4.34	104.05	
5/21/19	103.90	-0.010	-0.042	55.6	4.46	103.95	
6/10/19	104.40	0.130	0.105	100.0	4.68	104.55	
6/17/19	104.85	-0.110	-0.110	100.0000	5.61	104.65	
6/26/19	6/26/19 104.60 -0.160		-0.210 100.0		6.29	104.50	
7/5/19	7/5/19 104.55 -0.180		-0.180	100.0	5.12	104.65	
7/22/19	<b>7/22/19</b> 104.10 -0.010		-0.054	53.3	4.36	104.10	
8/2/19	<b>8/2/19</b> 104.15 0.080		0.055	64.8	5.05	104.25	
8/14/19	104.05	-0.140	-0.180	37.5000	4.54	103.95	
8/26/19	104.55	0.000	-0.119	43.5	5.38	104.55	
9/6/19	104.90	-0.070	-0.129	100.0	3.48	104.90	
9/26/19	104.60	-0.110	-0.114	64.7	5.79	104.50	
10/4/19	104.30	-0.080	-0.148	10.6	7.45	104.15	
10/16/19	103.95	-0.110	-0.134	74.2268	4.90	103.95	
10/28/19	103.85	0.050	-0.060	26.7	4.05	103.85	
11/1/19	103.95	0.350	0.288	87.5	4.39	104.35	

Note: Previous Day's Close and Close Price are based on JBI24: Buyback by the Ministry of Finance for June 17, August 14 and October 16 Source: Bank of Japan, Ministry of Finance, Daiwa Securities

## Chart 8: CPI Core Change Forecast: 10Y average (%)



Source: QUICK

## Chart 10: JBI24 HPR Analysis (%)



Note: From the issuance day (Nov. 11) to the 10th of each month; factoring in index ratio in Chart for the first and the period is assumed to be (1) inchanged, (2) increased by 0.25 yen each month and (3) decreased by 0.25 yen each month from the issuance day Source: Daiwa Securities

## Table 2: Market Outstanding of JBIs (Yen billions)

				(Yen billions)
	Issue Size	MoF Buyback	BoJ Outright Purchase	Market Outstanding
JBI17	646.7	26.7	258.2	361.8
JBI18	821.7	26.3	218.8	576.6
JBI19	1,091.8	17.6	164.4	909.8
JBI20	2,139.4	85.7	372.6	1,681.1
JBI21	1,727.2	107.7	381.9	1,237.6
JBI22	1,760.4	127.3	659.7	973.4
JBI23	1,722.7	61.6	169.8	1,491.3
JBI24	844.5	8.8	76.8	758.9
TOTAL	10,754.4	461.7	2,302.2	7,990.5
%	100.0%	4.3%	21.4%	74.3%

(As of Oct. 31, 2019 on BOJ start basis)

Source: Bank of Japan, Ministry of Finance, Daiwa Securities



## Appendix 1: BEI (March 2004 to present)



Note: on-the-run issue basis Source: Daiwa Securities.

## Appendix 2: Image of Bidding Price at Auction and BEI

											(Unit: bp)
					1	Nominal Yie	ld (%, JB354	4)			
		-0.141	-0.136	-0.131	-0.126	-0.121	-0.116	-0.111	-0.106	-0.101	-0.096
	104.00	18.1	18.6	19.1	19.6	20.1	20.6	21.1	21.6	22.1	22.6
	103.95	17.6	18.1	18.6	19.1	19.6	20.1	20.6	21.1	21.6	22.1
	103.90	17.1	17.6	18.1	18.6	19.1	19.6	20.1	20.6	21.1	21.6
	103.85	16.6	17.1	17.6	18.1	18.6	19.1	19.6	20.1	20.6	21.1
	103.80	16.0	16.5	17.0	17.5	18.0	18.5	19.0	19.5	20.0	20.5
	103.75	15.5	16.0	16.5	17.0	17.5	18.0	18.5	19.0	19.5	20.0
	103.70	15.0	15.5	16.0	16.5	17.0	17.5	18.0	18.5	19.0	19.5
	103.65	14.5	15.0	15.5	16.0	16.5	17.0	17.5	18.0	18.5	19.0
	103.60	14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.5	18.0	18.5
(u	103.55	13.5	14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.5	18.0
ž	103.50	12.9	13.4	13.9	14.4	14.9	15.4	15.9	16.4	16.9	17.4
ce	103.45	12.4	12.9	13.4	13.9	14.4	14.9	15.4	15.9	16.4	16.9
P	103.40	11.9	12.4	12.9	13.4	13.9	14.4	14.9	15.4	15.9	16.4
ing	103.35	11.4	11.9	12.4	12.9	13.4	13.9	14.4	14.9	15.4	15.9
Bidding Price (Yen)	103.30	10.9	11.4	11.9	12.4	12.9	13.4	13.9	14.4	14.9	15.4
B	103.25	10.3	10.8	11.3	11.8	12.3	12.8	13.3	13.8	14.3	14.8
	103.20	9.8	10.3	10.8	11.3	11.8	12.3	12.8	13.3	13.8	14.3
	103.15	9.3	9.8	10.3	10.8	11.3	11.8	12.3	12.8	13.3	13.8
	103.10	8.8	9.3	9.8	10.3	10.8	11.3	11.8	12.3	12.8	13.3
	103.05	8.2	8.7	9.2	9.7	10.2	10.7	11.2	11.7	12.2	12.7
	103.00	7.7	8.2	8.7	9.2	9.7	10.2	10.7	11.2	11.7	12.2
	102.95	7.2	7.7	8.2	8.7	9.2	9.7	10.2	10.7	11.2	11.7
	102.90	6.7	7.2	7.7	8.2	8.7	9.2	9.7	10.2	10.7	11.2
	102.85	6.2	6.7	7.2	7.7	8.2	8.7	9.2	9.7	10.2	10.7
	102.80	5.6	6.1	6.6	7.1	7.6	8.1	8.6	9.1	9.6	10.1

Note: Based on the settlement day of Nov. 11



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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, here to approximately 9.3% of the latter's outstanding shares. 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 and Credit Saison Co., Ltd. entered into a capital and business alliance, effective 5 September 2019. In line with this alliance, Daiwa Securities Group is to acquire up to 5.01% of Credit Saison's total common shares outstanding (as of 31 Jul 2019), while Credit Saison is to purchase up to Y2bn worth of Daiwa Securities Group's common stock.

6) NEC (6701): NOTICE REGARDING U.S. PERSONS: This report is not intended for distribution to or use by any person in the United States. Securities issued by NEC (6701): NOTICE REGARDING U.S. PERSONS: This report is not intended for distribution to or use by any person in the United States. Securities issued by NEC Corporation have been suspended from registration in the U.S. and are subject to an order of the U.S. Securities and Exchange Commission dated June 17, 2008, pursuant to Section 12(j) of the Securities Exchange Act of 1934. This document is not a recommendation or inducement of any purchase or sale of such securities by any person or entity located in the U.S. Daiwa Securities Co. Ltd. disclaims any responsibility to any such person with respect to the content of this document. Any U.S. person receiving a copy of this report should disregard it.

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 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