Bond Market Survey (November 2022)

Survey period: From November 1 to November 8, 2022

Number of respondents¹: 69

- 1. Bond Market Functioning (Answer the following questions considering the secondary JGB market.)
 - (1) The degree of bond market functioning from your company's viewpoint²
 - ² Answer these questions taking into account your answers to (2) a. to g. as a whole.

| (C | urrent situation) | _ | | (%,%points) |
|-----|--|---------------------|---------------------|-------------|
| | | Aug. 2022 Survey | Nov. 2022 Survey | Number of |
| DI | 3 | -40 | -51 | respondents |
| | So 1. High | 1 | 1 | 1 |
| | 5 2. Not very high | 58 | 46 | 32 |
| | ទី 3. Low | 41 | 52 | 36 |
| 3 D | ³ DI: Diffusion Index of "1" minus "3" % points. The same applies hereaft | | | |

| ³ DI: Diffusion Index of "1" minus "3", %points. | The same applies hereafter. |
|---|-----------------------------|
|---|-----------------------------|

| (Change from three months ago) | | | (%,%points) |
|--------------------------------|---------------------|---------------------|-----------------------|
| | Aug. 2022 Survey | Nov. 2022 Survey | Number of respondents |
| DI | -42 | -48 | |
| So 1. Has improved | 1 | 0 | 0 |
| 2. Hasn't really improved | 55 | 52 | 36 |
| 3. Has decreased | 43 | 48 | 33 |

- (2) Factors related to bond market functioning and liquidity
 - a. The bid-ask spread from your company's viewpoint

| (Current situation) | | | (%,%points) |
|---------------------|---------------------|---------------------|-----------------------|
| | Aug. 2022 Survey | Nov. 2022 Survey | Number of respondents |
| DI | -28 | -45 | |
| ಕ್ಷ್ಮ 1. Tight | 4 | 3 | 2 |
| 2. Not very tight | 64 | 49 | 34 |
| త్ 3. Wide | 32 | 48 | 33 |

| (Change from three months ago) | | (%,%points) | |
|--------------------------------|---------------------|---------------------|-----------------------|
| | Aug. 2022 Survey | Nov. 2022 Survey | Number of respondents |
| DI | -41 | -50 | |
| 80 1. Has tightened | 1 | 1 | 1 |
| 2. Hasn't really tightened | 57 | 48 | 33 |
| ప్ 3. Has widened | 42 | 51 | 35 |

b. The order quantity by market participants from your company's viewpoint, taking into account "thickness" of the trading board

| ((| Current situation) | | | (%,%points) |
|----|--------------------|---------------------|---------------------|-----------------------|
| | | Aug. 2022 Survey | Nov. 2022 Survey | Number of respondents |
| D | [| -50 | -54 | |
| | ಕ್ಷಿ 1. Large | 1 | 3 | 2 |
| | 2. Not very large | 48 | 41 | 28 |
| | ទី 3. Small | 51 | 57 | 39 |

| (Change from three months ago) | | | (%,%points) |
|--------------------------------|-----------|-----------|-------------|
| | Aug. 2022 | Nov. 2022 | Number of |
| | Survey | Survey | respondents |
| DI | -48 | -45 | |
| ວິດ 1. Has increased | 1 | 1 | 1 |
| 2. Hasn't really increased | 49 | 52 | 36 |
| 3. Has decreased | 49 | 46 | 32 |
| | | | |

⁴ "Thickness" of the trading board refers to the order quantity for each bid and ask price.

c. The dealing frequency of your company⁵

| ((| Current situation) | _ | | (%,%points) |
|----|--------------------|---------------------|---------------------|-----------------------|
| | | Aug. 2022 Survey | Nov. 2022 Survey | Number of respondents |
| DI | | -22 | -26 | |
| | ಕ್ಷ 1. High | 3 | 3 | 2 |
| | 2. Not very high | 72 | 68 | 47 |
| | ភ្នំ 3. Low | 25 | 29 | 20 |

⁵ Answer dealing frequency with the same counterparty.

| | | Aug. 2022 Survey | Nov. 2022 Survey | Number of respondents |
|----|----------------------------|---------------------|---------------------|-----------------------|
| DI | | -10 | -16 | |
| | 0 1. Has increased | 7 | 6 | 4 |
| | 2. Hasn't really increased | 75 | 72 | 50 |
| | 3. Has decreased | 17 | 22 | 15 |

(Change from three months ago)

d. The number of your dealing counterparties

| ((| Current situation) | | | (%,%points) |
|----|--------------------|---------------------|---------------------|-----------------------|
| | | Aug. 2022 Survey | Nov. 2022 Survey | Number of respondents |
| D | | -24 | -24 | |
| | So 1. Large | 1 | 1 | 1 |
| | 2. Not very large | 74 | 74 | 51 |
| | 3. Small | 25 | 25 | 17 |

e. The lot size of your company

| ((| Current situation) | | | (%,%points) |
|----|--------------------|---------------------|---------------------|-----------------------|
| | | Aug. 2022 Survey | Nov. 2022 Survey | Number of respondents |
| Dl | | -18 | -19 | |
| | 50 1. Large | 7 | 6 | 4 |
| | 2. Not very large | 68 | 70 | 48 |
| | ਰੂ 3. Small | 25 | 25 | 17 |

| ((| (Change from three months ago) | | | (%,%points) |
|----|--------------------------------|---------------------|---------------------|-----------------------|
| | | Aug. 2022 Survey | Nov. 2022 Survey | Number of respondents |
| Dl | I | -8 | -9 | |
| | ಟ್ಟ 1. Has increased | 4 | 3 | 2 |
| | 2. Hasn't really increased | 84 | 86 | 59 |
| | ર્કે 3. Has decreased | 12 | 12 | 8 |

| (Change from three month | (%,%points) | | |
|----------------------------|---------------------|---------------------|-----------------------|
| | Aug. 2022 Survey | Nov. 2022 Survey | Number of respondents |
| DI | -21 | -15 | |
| So 1. Has increased | 4 | 4 | 3 |
| 2. Hasn't really increased | 71 | 77 | 53 |
| 3. Has decreased | 25 | 19 | 13 |

¹ Eligible institutions for the Bank of Japan's outright purchases and sales of JGBs and major insurance companies, asset management companies, etc.

f. Is your company able to make dealings with expected prices?

| ((| Current situation) | | | (%,%points) |
|----|--------------------|---------------------|---------------------|-----------------------|
| | | Aug. 2022 Survey | Nov. 2022 Survey | Number of respondents |
| D | [| 7 | -1 | |
| | 80 1. Yes | 33 | 28 | 19 |
| | 2. Not really | 41 | 43 | 30 |
| | ਰੂ 3. No | 26 | 29 | 20 |

g. Is your company able to make dealings with expected dealing lots?

| ((| Current situation) | | | (%,%points) |
|----|--------------------|---------------------|---------------------|-----------------------|
| | | Aug. 2022 Survey | Nov. 2022 Survey | Number of respondents |
| D | | 12 | 7 | |
| | So 1. Yes | 34 | 32 | 22 |
| | 2. Not really | 44 | 43 | 29 |
| | ਰੂ 3. No | 22 | 25 | 17 |

$2.\ Outlook\ for\ Long-Term\ Interest\ Rates$

(1)

| < Number of respondents: 67> | End-Dec. 2022 | End-Mar. 2023 | End-Jun. 2023 | End-Sep. 2023 | End-Mar. 2024 | End-Mar. 2025 |
|---|-------------------------|------------------------|-----------------------|-----------------------|-------------------------------|------------------------------|
| Average | -0.04 | -0.03 | -0.02 | -0.01 | 0.01 | 0.03 |
| Third quartile (75th percentile) | -0.05 | 0.00 | 0.00 | 0.00 | 0.04 | 0.10 |
| Madian | -0.05 | -0.05 | -0.03 | -0.01 | 0.00 | 0.00 |
| Median | | | | | | |
| Median First quartile (25th percentile) (Newly issued 5-year JGB vi | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | |
| | | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 |
| First quartile (25th percentile) | eld) | -0.05 End-Mar. 2023 | | | -0.05 End-Mar. 2024 | (%) |
| First quartile (25th percentile) (Newly issued 5-year JGB yi | eld) | End-Mar. 2023 | End-Jun. 2023 | End-Sep. 2023 | End-Mar. 2024 | (%) End-Mar. 2025 |
| First quartile (25th percentile) (Newly issued 5-year JGB yi <number 67="" of="" respondents:=""></number> | eld) End-Dec. 2022 | End-Mar. 2023 0.09 | End-Jun. 2023 | End-Sep. 2023 | End-Mar. 2024 0.14 | (%) End-Mar. 2025 |
| First quartile (25th percentile) (Newly issued 5-year JGB yi <number 67="" :="" of="" respondents=""> Average</number> | eld) End-Dec. 2022 0.07 | End-Mar. 2023 0.09 | End-Jun. 2023 0.10 | End-Sep. 2023 0.11 | End-Mar. 2024 0.14 0.15 | (%) End-Mar. 2025 0.17 |

| (Newly issued 10-year JGB yield) (% | | | | | | | | | |
|-------------------------------------|---------------|---------------|---------------|---------------|---------------|---------------|--|--|--|
| < Number of respondents: 68> | End-Dec. 2022 | End-Mar. 2023 | End-Jun. 2023 | End-Sep. 2023 | End-Mar. 2024 | End-Mar. 2025 | | | |
| Average | 0.25 | 0.26 | 0.29 | 0.33 | 0.38 | 0.44 | | | |
| Third quartile (75th percentile) | 0.25 | 0.25 | 0.28 | 0.40 | 0.50 | 0.50 | | | |
| Median | 0.25 | 0.25 | 0.25 | 0.25 | 0.30 | 0.40 | | | |
| First quartile (25th percentile) | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | | | |
| r nst quartie (25th percentile) | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.2. | | | |

| (Newly issued 20-year JGB yield) (%) | | | | | | | | | |
|---|---------------|---------------|---------------|---------------|---------------|---------------|--|--|--|
| <number 67="" of="" respondents:=""></number> | End-Dec. 2022 | End-Mar. 2023 | End-Jun. 2023 | End-Sep. 2023 | End-Mar. 2024 | End-Mar. 2025 | | | |
| Average | 1.09 | 1.11 | 1.15 | 1.17 | 1.19 | 1.24 | | | |
| Third quartile (75th percentile) | 1.14 | 1.20 | 1.25 | 1.30 | 1.30 | 1.40 | | | |
| Median | 1.10 | 1.10 | 1.10 | 1.15 | 1.20 | 1.25 | | | |
| First quartile (25th percentile) | 1.05 | 1.00 | 1.05 | 1.05 | 1.01 | 1.00 | | | |

| (Newly issued 30-year JGB yield) (%) | | | | | | | | | |
|--------------------------------------|---------------|---------------|---------------|---------------|---------------|---------------|--|--|--|
| < Number of respondents: 66> | End-Dec. 2022 | End-Mar. 2023 | End-Jun. 2023 | End-Sep. 2023 | End-Mar. 2024 | End-Mar. 2025 | | | |
| Average | 1.48 | 1.49 | 1.52 | 1.54 | 1.55 | 1.60 | | | |
| Third quartile (75th percentile) | 1.55 | 1.57 | 1.60 | 1.67 | 1.70 | 1.80 | | | |
| Median | 1.50 | 1.50 | 1.50 | 1.50 | 1.55 | 1.60 | | | |
| First quartile (25th percentile) | 1.40 | 1.40 | 1.40 | 1.45 | 1.40 | 1.50 | | | |

(2) The probability distribution forecast⁶ of the newly issued 10-year JGB yield at end-Mar. 2024 and end-Mar. 2025

| | | | | | | | | | | (%) |
|--------------------------------|-----------|-------------------------------|-------------|------------|------------|--------------------|--------------------|------------|------------|--------|
| | ≦ ▲ 0.50% | ▲ 0.49∼ ▲ 0.25% | ▲0.24~0.00% | 0.01~0.25% | 0.26~0.50% | $0.51 \sim 0.75\%$ | $0.76 \sim 1.00\%$ | 1.01~1.25% | 1.26~1.50% | 1.51%≦ |
| End-Mar. 2024 (65 respondents) | 0.0 | 0.3 | 3.7 | 52.0 | 31.7 | 7.6 | 2.5 | 0.9 | 0.4 | 0.9 |
| End-Mar. 2025 (65 respondents) | 0.0 | 0.4 | 3.1 | 36.1 | 36.4 | 15.8 | 5.1 | 1.5 | 0.5 | 0.9 |

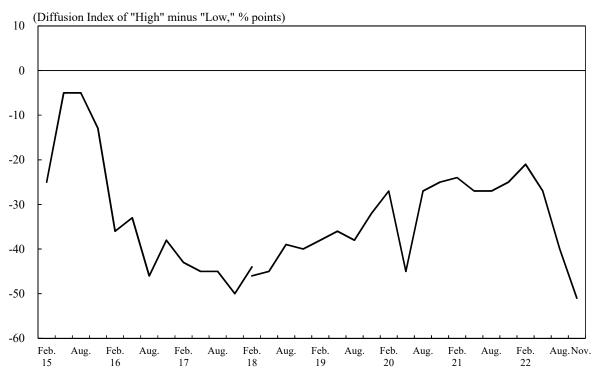
⁶ Arithmetic average

Note: The next survey's publication date is March 1, 2023

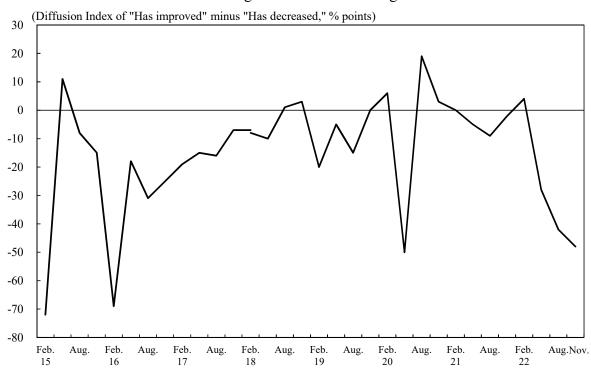
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Degree of Bond Market Functioning

Current situation



Change from three months ago



Notes: 1. The survey from February 2018 onward includes responses from major insurance companies, asset management companies, etc., in addition to those from eligible institutions for the Bank's outright purchases and sales of JGBs. Regarding the figures for February 2018, the reference data, which are based on responses only from eligible institutions for the Bank's outright purchases and sales of JGBs, are also indicated.

2. The survey is conducted in February, May, August, and November each year.