

November  
2022  
Newsletter

# JAPANESE GOVERNMENT BONDS

Ministry of Finance, Japan

## What's New

**Alteration in the JGB Issuance Plan for FY2022**

**Second Supplementary Budget for FY2022**

**Central Government Debt (As of the end of Sep. 2022)**

## Monthly Topic

**BOJ's Outlook for Economic Activity and Prices (Oct. 2022)**

## IR Office

**Daiwa Capital Markets Conference 2022, etc.**



Cover Photo: The light leaking through windows of the MOF building

## SUMMARY

## What's New 1 :

**Alteration in the JGB Issuance Plan for FY2022**

p.2

The 89th Meeting of JGB Investors and the 101st Meeting of JGB Market Special Participants were held on October 25, 2022. Based on their discussions, the Ministry of Finance released the revised JGB Issuance Plan for FY2022 on November 8, 2022.

## What's New 2 :

**Second Supplementary Budget for FY2022**

p.4

On November 8, 2022, the Kishida Cabinet decided the second supplementary budget proposal for FY2022. The second supplementary budget proposal is based on the economic policy package, "comprehensive economic measures to overcome rising prices and realize economic revival" which was decided by the Cabinet on October 28, 2022.

## What's New 3 :

**Central Government Debt (As of the end of September, 2022)**

p.7

On November 10, 2022, the MOF released an update on central government debt.

## Monthly Topic :

**BOJ's Outlook for Economic Activity and Prices (October 2022)**

p.8

The Bank of Japan (BOJ) released the quarterly Outlook for Economic Activity and Prices (Outlook Report) on October 28, 2022.

## IR Office :

**Daiwa Capital Markets Conference 2022, etc.**

p.9

On November 11, Mr. Saito, Director-General of the Financial Bureau of the Ministry of Finance, presented "Japan's Economy and Public Debt Management" at the "Daiwa Capital Markets Conference 2022" in Tokyo.

## Statistics

p.11

JGB Primary Market : Auction Results	p. 11
JGB Primary Market : Auction Calendar	p. 12
Liquidity Enhancement Auctions and JGB Buy-Back	p. 13
JGB Secondary Market	p. 14
Investor Trends and JGB Outstanding	p. 16
Economic and Financial Trends	p. 20
Information	p. 21

## What's New 1: Alteration in the JGB Issuance Plan for FY2022

The 89th Meeting of JGB Investors and the 101st Meeting of JGB Market Special Participants were held on October 25, 2022. At these meetings, participants discussed changes in the JGB Issuance Plan associated with the second supplementary budget in FY2022. Based on their discussions, the Ministry of Finance released the revised JGB Issuance Plan for FY2022 on November 8, 2022.

The MOF will issue additional Newly-issued Bonds worth 22.9 trillion yen to raise funds for the second supplementary budget (see the first row of the left table below). Since FILP Bonds will decrease due to last fiscal year's Fiscal Loan Fund investment results, the total issuance amount will increase by 9.7 trillion yen (see the last row of the left table below).

As for financing methods, JGB Market Issuance (Calendar Base) will be increased by 4.5 trillion yen (see the first row of the right table below).

Specifically, 2-Year Bond issuance will increase by 0.3 trillion yen and TBs (6-Month) issuance will increase by 4.2 trillion yen (see the tables on the next page).

### FY2022 JGB Issuance Plan

<Breakdown by Legal Grounds> (billion yen)

	Initial (a)	1st Supplementary Budget (b)	2nd Supplementary Budget		
			(c)	(c) - (a)	(c) - (b)
Newly-issued Bonds	36,926.0	39,626.9	62,478.9	25,552.9	22,852.0
Construction Bonds	6,251.0	6,251.0	8,727.0	2,476.0	2,476.0
Special Deficit- Financing Bonds	30,675.0	33,375.9	53,751.9	23,076.9	20,376.0
Reconstruction Bonds	171.6	171.6	—	▲ 171.6	▲ 171.6
FILP Bonds	25,000.0	25,000.0	16,500.0	▲ 8,500.0	▲ 8,500.0
Refunding Bonds	152,940.4	152,940.4	148,487.2	▲ 4,453.1	▲ 4,453.1
For matured Reconstruction Bonds	3,858.9	3,858.9	3,621.7	▲ 237.2	▲ 237.2
<b>Total</b>	<b>215,038.0</b>	<b>217,738.9</b>	<b>227,466.2</b>	<b>12,428.2</b>	<b>9,727.3</b>

<Breakdown by Financing Methods> (billion yen)

	Initial (a)	1st Supplementary Budget (b)	2nd Supplementary Budget		
			(c)	(c) - (a)	(c) - (b)
JGB Market Issuance (Calendar Base)	198,600.0	198,600.0	203,100.0	4,500.0	4,500.0
Non-Price Competitive Auction II, etc.	8,297.0	8,297.0	7,847.3	▲ 449.7	▲ 449.7
Adjustment between fiscal years	3,041.0	5,741.9	10,698.9	7,657.9	4,957.0
Subtotal Financed in the Market	209,938.0	212,638.9	221,646.2	11,708.2	9,007.3
Sales for Households	2,900.0	2,900.0	3,620.0	720.0	720.0
BOJ Rollover	2,200.0	2,200.0	2,200.0	—	—
<b>Total</b>	<b>215,038.0</b>	<b>217,738.9</b>	<b>227,466.2</b>	<b>12,428.2</b>	<b>9,727.3</b>

• Buy-back program in FY2022 is planned to be implemented based on market conditions and through discussions with market participants.

• The maximum amount of front-loading issuance of Refunding Bonds in FY2022 is 20 trillion yen.

(Note 1) Figures may not sum up to the total because of rounding.

(Note 2) "JGB Market Issuance (Calendar Base)" refers to JGBs issued at face value by scheduled auctions from April to next March (periodic auctions).

(Note 3) Non-price competitive auction II is an additional issuance for JGB Market Special Participants after the normal auction (the amount assignable to each Market Special Participant does not exceed 10% of the amount awarded to it in the normal auction), and the price for the additional issuance is equal to the weighted average accepted price in the normal auction.

The amount of the non-price competitive auction II is calculated by multiplying the amount of "JGB Market Issuance (Calendar Base)" (40-year, 30-year, 20-year, 10-year, 5-year and 2-year bonds) by 5.5%.

"Non-Price Competitive Auction II, etc." includes estimated gap between the amount of the Calendar Base (of the bonds listed above) at face value and actual revenues of the auctions, in addition to the issuance of Non-Price Competitive Auction II.

(Note 4) "Adjustment between fiscal years" refers to leveling-off of the issuance between fiscal years through front-loading issuance and deferred issuance during an accounting adjustment period.

Details: [https://www.mof.go.jp/english/policy/jgbs/debt\\_management/plan/issuanceplan221108.pdf](https://www.mof.go.jp/english/policy/jgbs/debt_management/plan/issuanceplan221108.pdf)

## What's New 1: Alteration in the JGB Issuance Plan for FY2022

## &lt;Market Issuance Plan by Issue (FY2022)&gt;

(trillion yen)

	Initial and 1st Supplementary Budget				(total ; a)	2nd Supplementary Budget				(b)-(a)	
	(per time)					(per time)					
40-Year	0.7	×	6	times	4.2	0.7	×	6	times	4.2	—
30-Year	0.9	×	12	times	10.8	0.9	×	12	times	10.8	—
20-Year	1.2	×	12	times	14.4	1.2	×	12	times	14.4	—
10-Year	2.7	×	12	times	32.4	2.7	×	12	times	32.4	—
5-Year	2.5	×	12	times	30.0	2.5	×	12	times	30.0	—
2-Year	2.8	×	12	times	33.6	2.8	×	9	times	33.9	0.3
TBs					60.4					64.6	4.2
10-Year Inflation-Indexed	0.2	×	4	times	0.8	0.2	×	4	times	0.8	—
Liquidity Enhancement Auction					12.0					12.0	—
<b>Total</b>					<b>198.6</b>					<b>203.1</b>	<b>4.5</b>

Figure.1 Issuance for TBs (FY2022)

	Initial and 1st Supplementary Budget (a)				2nd Supplementary Budget (b)				(b)-(a)		
	(per time)				(per time)						
TBs (1-Year)	3.5	×	12	times	42.0	3.5	×	12	times	42.0	—
TBs (6-Month)					18.4					22.6	4.2

Figure.2 Issuance by Zones for Liquidity Enhancement Auctions (FY2022)

	Initial and 1st Supplementary Budget (a)		2nd Supplementary Budget (b)		(b)-(a)
15.5-30 Year		3.0		3.0	—
5-15.5 Year		6.0		6.0	—
1-5 Year		3.0		3.0	—

(Note 1) The issuance of the fiscal year can be changed based on discussions with market participants in response to market circumstances and issuance conditions.

(Note 2) The 40-year bond will be issued in May, July, September, November, January and March.

(Note 3) Treasury Bills (TBs) are jointly issued with Financing Bills (FBs), under unified names of Treasury Discount Bills (T-Bills). The maturity of TBs, its issuance, and the number of auctions may be adjusted in a flexible manner in response to market circumstances and demands of investors, thus the maturity and the issuance on the table (Figure 1) be subject to an adjustment.

(Note 4) The 10-year inflation-indexed bond is planned to be issued in May, August, November and February. The issuance may be adjusted in a flexible manner in response to market circumstances and demands of investors, which will be determined based on discussions with market participants.

(Note 5) The issuance of liquidity enhancement auction and its allocation among each zone may be adjusted in a flexible manner in response to market circumstances and demands of investors, which will be determined based on discussions with market participants, thus the issuance and zones on the table (Figure 2) be subject to an adjustment.

Details: [https://www.mof.go.jp/english/policy/jgbs/debt\\_management/plan/calendar221108.pdf](https://www.mof.go.jp/english/policy/jgbs/debt_management/plan/calendar221108.pdf)

## The second meeting of the Study Group on Government Debt Management (Nov. 10, 2022)

The second meeting of the Study Group on Government Debt Management was held on November 10, 2022. The agenda was “Current status and issues regarding JGB issuance.”

For more information, please see the upcoming Newsletter.



## What's New 2: Second Supplementary Budget for FY2022

## Overview of the Second Supplementary Budget for FY2022

Provisional Translation

**I. Countermeasures against price hikes and efforts for wage increases 7,817bn****1. Support for households and businesses in the difficulties caused by energy and food price hikes 6,316.8bn**

- Measures against electricity charge hikes {2,487bn} ○Measures against city gas charge hikes {620.3bn}
- Mitigation measures against sudden fluctuations of fuel oil prices {3,027.2bn}
- Fishery Management Safety Net Construction Project {33bn} etc.

**2. Transition to a resilient economy against energy and food crises 425.7bn**

- Measures to strengthen a stable LNG supply system {23.6bn}
- Promotion of energy efficiency and renewable energies {384.9bn\*}
- Subsidies for streamlining the delivery of oil and gas sales operations, etc. {15.3bn}
- Expanding domestic production of fertilizers {11bn}
- Promoting feed crops to be produced domestically {10bn\*} etc.

**3. Promotion of continuous wage increases and support for SMEs 1,074.5bn**

- SME Business Reconstruction Promotion & SME Productivity Revolution Promotion Project {780bn}
- Financial support {260.9bn} etc.

**II. Recovery and Reinforcement of Local "Profitability" Utilizing the Depreciation of Yen 3,486.3bn****1. Recovery of demand from COVID-19 and local revitalization 2,405.5bn**

- Restoration of inbound tourism, revitalizing and creating high added value to tourist sites and the tourism industry, etc. {150bn}
- Securing quarantine systems {59.2bn} etc.

**2. Reinforcement of economic resilience by utilizing the depreciation of Yen 1,080.9bn**

- Fund for the development of foundation for advanced semiconductor production systems {450bn}
- Expanding export of agricultural, forestry and fisheries products {44bn\*}
- Provision for supply chain (important mineral {215.8bn}, machine tools {41.6bn}, aircraft materials {41.7bn} etc.) etc.

**III. Acceleration of a "New Form of Capitalism" 5,495.6bn****1. Drastic reinforcement of "investment in human capital" and labor reallocation to growing sectors: Integrated reform for structural wage increases 1,131.3bn**

- Expanding investment in human capital "1Tn yen in five years" {83.2bn} (300bn incl. budgets for FY2022&2023)
- Stabilization of employment insurance finances {727.6bn}
- Strengthening the functions of universities (support for establishing scientific faculties) {300.2bn} etc.

**2. Promotion of large investment in growing sectors 4,055.2bn**

\*Approx. 6tn yen including the projects organized under other pillars

## (1) Science, technology and innovation

- Promotion project for advanced international joint research {50.1bn}
- Project for the promotion of a revolution of the manufacture utilizing biotechnology {300bn} ○Space {63.9bn}
- Project for the promotion of strengthening regionally central universities with distinctive research {200bn}
- Program for Developing Important Economic Security Technologies {250bn} etc.

## (2) Acceleration of Startup enterprise

\*Approx. 1tn yen including the projects organized under other pillars

- Promotion of the construction of a startup ecosystem (centered on universities) {150bn\*}
- Expansion of the SBIR system {206bn} ○Project to support Deep-tech startups {100bn} etc.

## (3) GX

- Green Innovation Fund {300bn} ○Promoting the introduction of clean energy vehicles {70bn}
- Project to enhance resilience of the manufacturing supply chain for storage batteries (essential for a green society) {331.6bn} etc.

## (4) DX

- Post-5G ICT System Infrastructure Reinforcement R&D Project {485bn\*}
- Beyond 5G (6G) (Creation of a permanent fund to promote R&D of innovative information and communication technologies) {66.2bn}
- Vision for a Digital Garden City Nation Grant {80bn}
- Promotion of the use of Individual Number Cards ("My Number Card") {63bn} etc.

**3. Realization of an inclusive society 309.1bn**

- Subsidies to support childbirth and child-rearing {126.7bn}
- Developing childcare facilities based on the "New Child Care Security Plan" {34.9bn} etc.

## What's New 2: Second Supplementary Budget for FY2022

Provisional Translation

**IV. Ensuring People's Safety and Security** **7,547.2bn**

- The urgent comprehensive grants to cope with COVID-19 (Securing hospital beds etc.) [1,518.9bn]
- Vaccination (securing a supply, ensuring system and conducting) [1,207.2bn]
- Special Allocation for Regional Revitalization to cope with COVID-19 (financial resources of local governments for state-subsidized projects, and inspection promotion) [750bn]
- Five-Year Acceleration Plan for disaster risk deduction and national resilience (public work) [1,250.2bn]
- Recovery from disasters [514.4bn]
- Self-Defense Force's response to a changing security environment [324.8bn]
- Support for Ukraine and countries around Ukraine [114bn]
- Aid for developing countries including Asia (ASEAN & Southeast Asia), island countries, Middle East and Africa (Global South) [102.2bn]
- Package for supporting security and safety of children (support for improving safety devices of school buses, etc.) [23.4bn]

**V. Preparation for Future Shocks** **4,740bn**

- Contingency fund for COVID-19 and measures to address soaring crude oil and commodity prices [3,740bn]
- Contingency fund for Economic Emergency (including the impact from the Ukraine Crisis) [1,000bn]

**■ Total additional spending of the Supplementary Budget (General Account)** **29,086.1bn****■ Total additional spending of the Supplementary Budget (incl. Supplementary Budget of Special Accounts for national expenditure on countermeasures)** **29,633.2bn**

\*The Amount is including the projects organized under other pillars

(Reference 1) In the Second Supplementary Budget (General Budget) for FY2022, in addition to the national expenses related to the implementation of the above "economic measures", additional financial demand for utility costs (¥222.9bn) is recorded.

(Reference 2) Total additional spending of the Supplementary Budget (incl. Supplementary Budget of Special Accounts for national expenditure on countermeasures) (¥29,633.2bn) includes additional expenditures of ¥286.3bn in the Local Allocation Tax and Local Transfer Tax Special Account and ¥17.12bn in the Labor Insurance Special Account in addition to Total additional spending of the Supplementary Budget (General Account) (¥29,086.1bn).

☛ Details: <https://www.mof.go.jp/english/policy/budget/budget/index.html>

## What's New 3: Central Government Debt (As of the end of Sep., 2022)

On November 10, 2022, the MOF released an update on central government debt. Outstanding debt and its composition as of the end of September 2022 are as follows:

### Main Points

- Outstanding government bonds and borrowings decreased to 1,251.4 trillion yen from the end of June (1,255.2 trillion yen) by 3.8 trillion yen. The total amount for FILP Bonds, Borrowings and Subsidy Bonds, etc. and FBs decreased by 6.0 trillion yen, 1.8 trillion yen and 5.4 trillion yen respectively, while General Bonds increased by 9.5 trillion yen.
- Long-term outstanding central government debt, which does not include FILP Bonds, FBs or some of the borrowings related to local governments, increased to 1,019.5 trillion yen from the end of June (1,010.4 trillion yen).

### Central Government Debt

	The end of September 2022 (Actual)	Increase or Decrease (-) from the end of the Previous Quarter
(trillion yen)		
<b>1) Outstanding Government Bonds and Borrowings</b>		
General Bonds	993.8	9.5
Fiscal Investment and Loan Program Bonds (FILP Bonds)	97.0	- 6.0
Borrowings, Subsidy Bonds, etc.	55.5	- 1.8
Financing Bills (FBs)	105.1	- 5.4
<b>Total</b>	<b>1,251.4</b>	<b>-3.8</b>
<b>2) Outstanding Government-Guaranteed Debts</b>		
Government-Guaranteed Debts	32.1	-0.6

- Notes:
1. Figures may not add up to the total because of rounding.
  2. "Outstanding Government Bonds and Borrowings" include government bonds held by and borrowings within the government.
  3. Figures are total of the general account and all special accounts, and the coverage is different from the central government defined in SNA.
  4. The data as of the end of December 2022 will be released on February 10, 2023.

### Reference Long-term Debt Outstanding of Central and Local Governments

The MOF has announced the "Long-term debt outstanding of central and local governments" whose interest payments and redemption funds are mainly to be covered by tax revenues, from the viewpoint of transparency of fiscal management. The statistics are derived by adding the long-term debt outstanding of local governments to the above-mentioned Central Government Debt, while excluding Fiscal Investment and Loan Program Bonds and Financing Bills.

	The end of September 2022 (Actual)	The end of FY2022 (Estimate)
(trillion yen)		
① General Bonds	993.8	1,029
② Fiscal Investment and Loan Program Bonds (FILP Bonds)	Not included	Not included
③ Borrowings, Subsidy Bonds, etc. (Note 1)	25.7	29
④ Financing Bills (FBs)	Not included	Not included
<b>Long-term debt outstanding of central government</b>	<b>1,019.5</b>	<b>1,058</b>
⑤ Long-term debt outstanding of local governments	(Note 2)	189
<b>Long-term debt outstanding of central and local governments</b>	<b>(Note 2)</b>	<b>1,247</b>

Note 1: The borrowings of the Special Account for Allotment of Local Allocation Tax and Local Transfer Tax (as of the end of FY2022: approx.30 trillion yen) are included in "⑤ Long-term debt outstanding of local governments" because the burden of redemption funds falls on local governments.

Note 2: The actual figure of "⑤ Long-term debt outstanding of local governments" is blank, because quarterly data has not been created.

Details: <https://www.mof.go.jp/english/policy/jgbs/reference/gbb/e202209.html>

**Monthly Topic : BOJ's Outlook for Economic Activity and Prices (October 2022)**

The Bank of Japan (BOJ) released the quarterly Outlook for Economic Activity and Prices (Outlook Report) on October 28, 2022.

The BOJ decided the text of the Outlook Report at the Monetary Policy Meeting held on October 27 and 28, 2022. The Outlook Report presents the BOJ's outlook for developments in economic activity and prices, assesses upside and downside risks, and outlines its views on the future course of monetary policy. Here is the summary of the BOJ's view:

**Summary**

- Japan's economy is likely to recover toward the middle of the projection period, with the impact of the novel coronavirus (COVID-19) and supply-side constraints waning, although it is expected to be under downward pressure stemming from high commodity prices and slowdowns in overseas economies. Thereafter, as a virtuous cycle from income to spending intensifies gradually, Japan's economy is projected to continue growing at a pace above its potential growth rate.
- The year-on-year rate of change in the consumer price index (CPI, all items less fresh food) is likely to increase toward the end of this year due to rises in prices of such items as energy, food, and durable goods. The rate of increase is then expected to decelerate toward the middle of fiscal 2023 because the contribution of such price rises to this CPI is likely to wane. Thereafter, it is projected to accelerate again moderately on the back of improvement in the output gap and rises in medium- to long-term inflation expectations and in wage growth.
- Comparing the projections with those presented in the previous Outlook for Economic Activity and Prices (Outlook Report), the projected growth rates are somewhat lower, mainly for fiscal 2022, due to the effects of the spread of COVID-19 this summer and of slowdowns in overseas economies. The projected rates of increase in the CPI are higher, mainly for fiscal 2022, due to the effects of a pass-through to consumer prices of cost increases led by a rise in import prices.
- Concerning risks to the outlook, there remain extremely high uncertainties for Japan's economy, including the following: developments in overseas economic activity and prices; developments in the situation surrounding Ukraine and in commodity prices; and the course of COVID-19 at home and abroad and its impact. In this situation, it is necessary to pay due attention to developments in financial and foreign exchange markets and their impact on Japan's economic activity and prices.
- With regard to the risk balance, risks to economic activity are skewed to the downside. Risks to prices are skewed to the upside.



For more information, please see: <https://www.boj.or.jp/en/mopo/outlook/index.htm/>

## IR Office

## 1. 2022 Asian Regional Forum on Investment Management of Foreign Exchange Reserves

From October 26th to 27th, Mr. Inada, Deputy Director for Debt Management and JGB Investor Relations Office, Mr. Ito, Section Chief of Overseas JGB investor Relations, and Mr. Matsuyama, Researcher of Overseas JGB Investor Relations, attended “2022 Asian Regional Forum on Investment Management of Foreign Exchange Reserves” held in Singapore. The forum was organized by the Asian Development Bank with support from the Monetary Authority of Singapore.

Mr. Inada gave a presentation about Japan’s fiscal condition and approach toward debt management. He pointed out that the MOF will enhance confidence in the JGB market and be committed to proper public debt management policy based on a close dialogue with market participants.

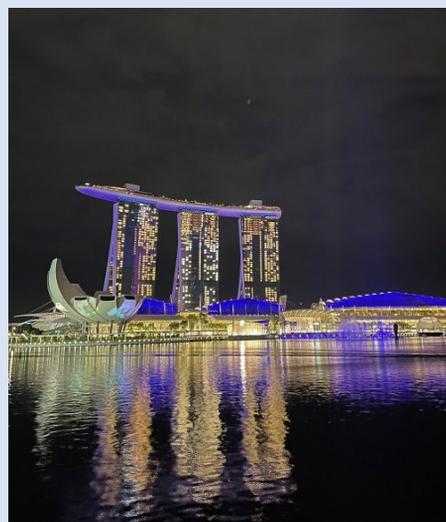
The forum encompassed various topics and participants exchanged their views throughout all sessions. We are grateful to have this opportunity of constructive discussion and networking.



## 2. IR activities in Singapore

Taking the opportunity to visit Singapore, we had meetings with some foreign investors. We really appreciate them kindly accepting our meeting requests.

In these meetings, we discussed Japan’s economy, the JGB market and debt management policy. Investors shared their straightforward views with us, which was very helpful. We look forward to meeting many investors further in the coming months.



IR Office

**3. Daiwa Capital Markets Conference 2022**

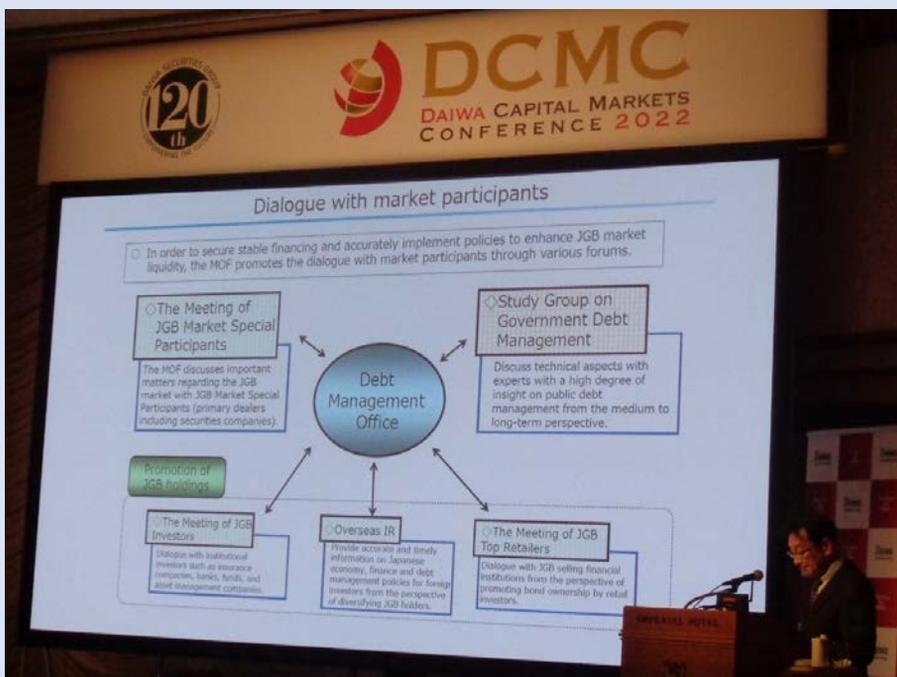
On November 11, Mr. Saito, Director-General of the Financial Bureau of the Ministry of Finance, presented “Japan’s Economy and Public Debt Management” at the “Daiwa Capital Markets Conference 2022” in Tokyo.

There were approximately 310 on-site and 70 online participants. It was the first time in three years that participants from abroad were invited to attend in person. We were grateful to meet with many investors face-to-face at the conference.

In the presentation, Mr. Saito described the alteration in the JGB Issuance Plan for FY2022 in response to the package of comprehensive economic measures. Also, he highlighted that the MoF will continue efforts to achieve the basic objectives of debt management policy, which is to provide stable financing at low cost through enhancing predictability and creating a deep and liquid market.



We hope that this presentation helped investors better understand Japan’s economy and public debt management. Through IR activities, we continue to provide accurate and timely information to our investors.



## JGB Primary Market: Auction Results

## Bonds

(Until 31 October 2022)

Auction Date	Type of Security	Issue Number	Maturity Date	Nominal Coupon	Amounts of Competitive Bids (billion yen)	Amounts of Bids Accepted (billion yen)	Yield at the Lowest Accepted Price	Yield at the Average Price	Amounts of Non-Competitive Bids Tendered /Accepted (billion yen)	Amounts of Bids Accepted at the Non-price-competitive Auction I (billion yen)	Amounts of Bids Accepted at the Non-price-competitive Auction II (billion yen)
8/2/2022	10-year	367	6/20/2032	0.2%	6,601.2	2,188.5	0.174%	0.168%	0.285	510.8	-
8/4/2022	10-year Inflation-Indexed Bonds	27	3/10/2032	0.005%	830.7	250.0	-0.708%	-	-	-	-
8/9/2022	30-year	75	6/20/2052	1.3%	2,139.6	724.7	1.127%	1.119%	-	174.7	82.6
8/16/2022	5-year	153	6/20/2027	0.005%	6,885.8	2,025.9	-0.003%	-0.007%	-	473.2	244.6
8/18/2022	20-year	181	6/20/2042	0.9%	3,170.6	966.1	0.755%	0.752%	-	233.2	4.1
8/30/2022	2-year	440	9/1/2024	0.005%	8,200.3	2,270.3	-0.079%	-0.083%	-	529.0	191.2
9/1/2022	10-year	367	6/20/2032	0.2%	8,784.7	2,188.7	0.239%	0.235%	0.460	510.0	1.0
9/6/2022	30-year	75	6/20/2052	1.3%	2,374.8	724.4	1.240%	1.235%	-	174.7	-
9/13/2022	5-year	153	6/20/2027	0.005%	7,668.5	2,024.7	0.042%	0.040%	1.000	473.2	249.1
9/15/2022	20-year	181	6/20/2042	0.9%	2,467.8	984.7	0.945%	0.894%	-	215.1	-
9/27/2022	40-year	15	3/20/2062	1.0%	1,652.9	699.5	1.520%	-	-	-	31.0
9/29/2022	2-year	441	10/1/2024	0.005%	10,775.7	2,254.8	-0.042%	-0.046%	-	544.6	174.5
10/4/2022	10-year	368	9/20/2032	0.2%	12,184.0	2,194.7	0.250%	0.248%	0.315	503.7	167.8
10/12/2022	30-year	76	9/20/2052	1.4%	2,094.5	725.6	1.496%	1.480%	-	174.1	24.8
10/14/2022	5-year	154	9/20/2027	0.1%	8,108.9	2,031.0	0.083%	0.081%	-	468.3	15.2
10/18/2022	20-year	182	9/20/2042	1.1%	3,174.3	972.7	1.133%	1.123%	-	226.5	75.1
10/27/2022	2-year	442	11/1/2024	0.005%	9,434.4	2,270.4	-0.027%	-0.031%	-	529.0	154.1

## Treasury Discount Bills

(Until 31 October 2022)

Auction Date	Type of Security	Issue Number	Maturity Date	Amounts of Competitive Bids (billion yen)	Amounts of Bids Accepted (billion yen)	Yield at the Lowest Accepted Price	Yield at the Average Price	Amounts of Bids Accepted at the Non-price-competitive Auction I (billion yen)
8/5/2022	3-month	1099	11/7/2022	12,273.80	4,540.02	-0.1202%	-0.1299%	1,059.90
8/9/2022	6-month	1100	2/10/2023	12,872.00	3,254.87	-0.1387%	-0.1763%	745.10
8/12/2022	3-month	1101	11/14/2022	17,957.20	4,540.04	-0.1042%	-0.1126%	1,059.90
8/18/2022	1-year	1102	8/21/2023	9,770.00	2,838.28	-0.1311%	-0.1311%	661.70
8/19/2022	3-month	1103	11/21/2022	11,840.10	4,540.02	-0.1162%	-0.1295%	1,059.90
8/26/2022	3-month	1104	11/28/2022	13,382.50	4,566.96	-0.1062%	-0.1134%	1,033.00
9/2/2022	3-month	1105	12/5/2022	14,706.40	4,540.05	-0.1062%	-0.1098%	1,059.90
9/8/2022	6-month	1106	3/10/2023	11,910.50	3,242.85	-0.1568%	-0.1935%	757.10
9/9/2022	3-month	1107	12/12/2022	13,388.50	4,540.01	-0.1102%	-0.1154%	1,059.90
9/15/2022	1-year	1108	9/20/2023	9,906.00	2,837.78	-0.1338%	-0.1437%	662.20
9/16/2022	3-month	1109	12/19/2022	13,366.20	4,540.05	-0.1135%	-0.1179%	1,059.90
9/21/2022	3-month	1110	1/6/2023	12,724.10	4,540.07	-0.1716%	-0.1913%	1,059.90
9/30/2022	3-month	1111	1/11/2023	14,467.90	4,560.07	-0.2061%	-0.2327%	1,039.90
10/6/2022	6-month	1112	4/10/2023	12,875.90	3,242.89	-0.1591%	-0.1712%	757.10
10/7/2022	3-month	1113	1/16/2023	11,969.00	4,864.57	-0.1598%	-0.1899%	1,135.40
10/14/2022	3-month	1114	1/23/2023	14,794.20	4,864.07	-0.1358%	-0.1511%	1,135.90
10/19/2022	1-year	1115	10/20/2023	7,702.10	2,948.26	-0.1018%	-0.1098%	551.70
10/21/2022	3-month	1116	1/30/2023	14,768.00	4,864.53	-0.1358%	-0.1492%	1,135.40
10/27/2022	3-month	1117	2/6/2023	12,532.00	4,864.25	-0.1265%	-0.1381%	1,135.70

# JGB Primary Market: Auction Calendar

## November 2022

Auction Date	Issue
11/1(Tue)	10-year
11/4(Fri)	T-Bills (3-month)
11/7(Mon)	10-year Inflation-Indexed Bonds
11/9(Wed)	T-Bills (6-month)
11/9(Wed)	30-year
11/11(Fri)	T-Bills (3-month)
11/11(Fri)	Liquidity Enhancement Auction(remaining maturities of 5-15.5 years)
11/15(Tue)	5-year
11/17(Thu)	T-Bills (1-year)
11/17(Thu)	20-year
11/18(Fri)	T-Bills (3-month)
11/22(Tue)	Liquidity Enhancement Auction(remaining maturities of 1-5 years)
11/25(Fri)	T-Bills (3-month)
11/25(Fri)	40-year
11/29(Tue)	2-year

## December 2022

Auction Date	Issue
12/1(Thu)	10-year
12/2(Fri)	T-Bills (3-month)
12/6(Tue)	30-year
12/8(Thu)	T-Bills (6-month)
12/8(Thu)	5-year
12/9(Fri)	T-Bills (3-month)
12/13(Tue)	Liquidity Enhancement Auction(remaining maturities of 5-15.5 years)
12/15(Thu)	20-year
12/16(Fri)	T-Bills (3-month)
12/19(Mon)	T-Bills (1-year)
12/21(Wed)	Liquidity Enhancement Auction(remaining maturities of 15.5-39 years)
12/27(Tue)	2-year

## January 2023

Auction Date	Issue
1/5(Thu)	T-Bills (3-month)
1/5(Thu)	10-year
1/6(Fri)	T-Bills (6-month)
1/10(Tue)	T-Bills (3-month)
1/11(Wed)	30-year
1/13(Fri)	T-Bills (3-month)
1/13(Fri)	5-year
1/17(Tue)	Liquidity Enhancement Auction(remaining maturities of 5-15.5 years)
1/19(Thu)	T-Bills (1-year)
1/19(Thu)	20-year
1/20(Fri)	T-Bills (3-month)
1/24(Tue)	Liquidity Enhancement Auction(remaining maturities of 1-5 years)
1/26(Thu)	40-year
1/27(Fri)	T-Bills (3-month)
1/31(Tue)	2-year

Note.1: The above calendar may be changed or added in light of changes in circumstances. In such cases, it will be announced in advance.

Note.2: Each issue amount will be announced about one week prior to each auction date.

### Top10 PDs for Successful Bids in Auctions (Weighted by Duration)

Apr.2022 - Sep.2022

1	Mitsubishi UFJ Morgan Stanley Securities Co., Ltd.
2	Daiwa Securities Co. Ltd.
3	Nomura Securities Co., Ltd.
4	Mizuho Securities Co., Ltd.
5	JPMorgan Securities Japan Co., Ltd.
6	Deutsche Securities Inc.
7	Citigroup Global Markets Japan Inc.
8	Goldman Sachs Japan Co., Ltd.
9	SMBC Nikko Securities Inc.
10	BNP Paribas Securities (Japan) Limited

### Top5 PDs for Successful Bids of JGBi

FY2021

1	Mizuho Bank, Ltd.
2	JPMorgan Securities Japan Co., Ltd.
3	Mitsubishi UFJ Morgan Stanley Securities Co., Ltd.
4	Goldman Sachs Japan Co., Ltd.
5	Nomura Securities Co., Ltd.

# Liquidity Enhancement Auctions and JGB Buy-Back

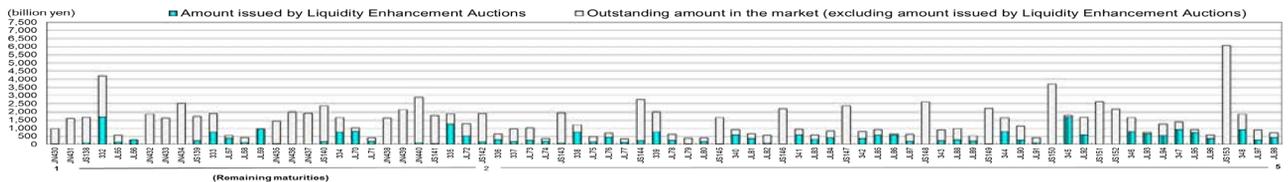
## Results of Liquidity Enhancement Auctions

(Until 31 October 2022)

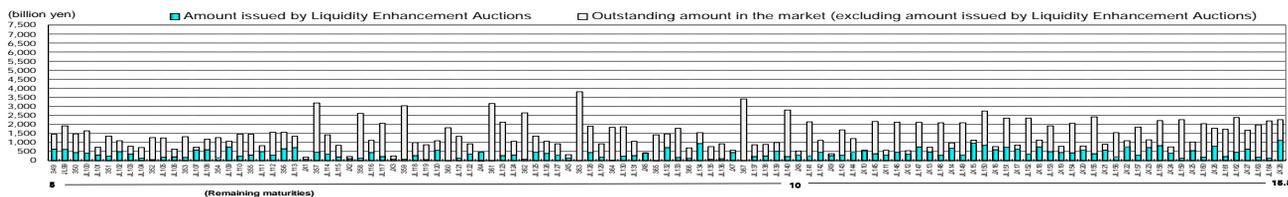
Auction Date	Amounts of Competitive Bids (billion yen)	Amounts of Bids Accepted (billion yen)	Average Accepted Spread	Highest Accepted Spread	Issues Re-opened
8/23/2022	1,809.9	498.7	-0.003%	-0.002%	10-year (348,349,352,364,365,366) 20-year (98,99,113,135,137,154,158) 30-year (6,7,8,22,24,25)
8/25/2022	1,199.4	499.2	+0.029%	+0.034%	20-year (164,165,166,168,169,172,176,177,178,179,180) 30-year (29,30,31,32,33,34,35,36,43,44,45,46,48,49,50,65,66,69,72) 40-year (1,2,4,5,6,7,9,10,11,13,14)
9/8/2022	2,443.9	499.1	-0.018%	-0.016%	10-year (356,357) 20-year (113,158,159,161,163) 30-year (26,27)
9/21/2022	1,572.3	499.6	+0.008%	+0.010%	2-year (428,429,434,440) 5-year (143) 10-year (332,333,340, 345,346) 20-year (68,85,94)
10/6/2022	3,188.6	498.9	+0.001%	+0.003%	10-year (349,350,352,353,354,355,356,364,366,367) 20-year (101,107,108,111,135,140) 30-year (6)
10/25/2022	1,444.8	498.8	+0.060%	+0.067%	20-year (165,179,181) 30-year (29,31,36,37,39,41,42,43,45,46,54,55,59,65,66,69,74,75) 40-year (1,2,5,6,7,8,10,11,12,13)

## Target Zones of Liquidity Enhancement Auctions for Oct.- Dec. 2022

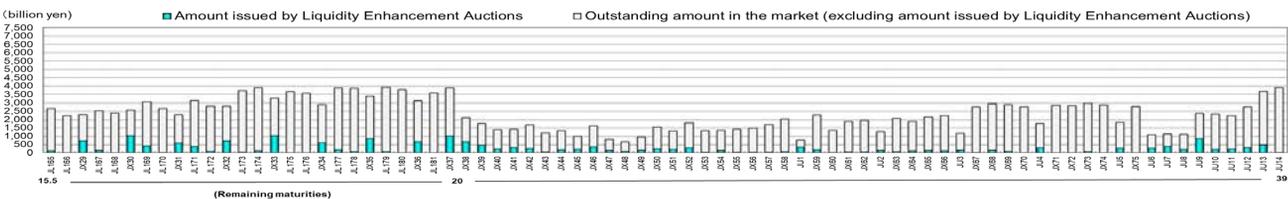
### 1. Remaining maturity : approx.1 - ~5 - year



### 2. Remaining maturity : approx.5 - ~15.5 - year



### 3. Remaining maturity : approx.15.5 - ~39 - year



Note1 : JN shows 2 - year JGBs. JS shows 5 - year JGBs. JL shows 20 - year JGBs. JX shows 30 - year JGBs. JU shows 40 - year JGBs. Outstanding amount is as of the end of September 2022.  
Note2 : All issues in the graph above will be eligible afterward.

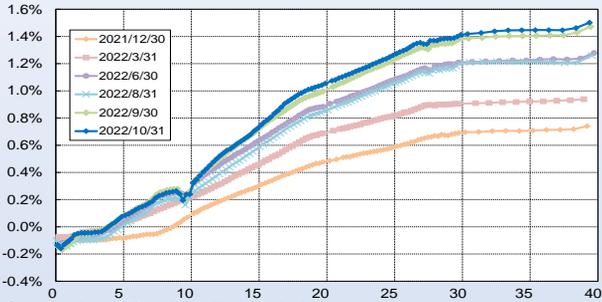
## Buy-Back Results (10-year Inflation-Indexed)

(Until 31 October 2022)

Auction Date	Amounts of Competitive Bids (billion yen)	Amounts of Bids Accepted (billion yen)	Average Accepted Spread (yen)	Highest Accepted Spread (yen)	Issue Numbers
7/8/2022	95.2	20.0	-0.271	-0.17	17,18,20,21,26
8/19/2022	114.3	20.0	-0.440	-0.40	21,22,25
9/16/2022	123.2	20.0	-0.510	-0.51	25
10/19/2022	148.4	20.0	-0.675	-0.55	17,18,22

# JGB Secondary Market

## JGB Yield Curves



## Yield and Volatility (10Yr)

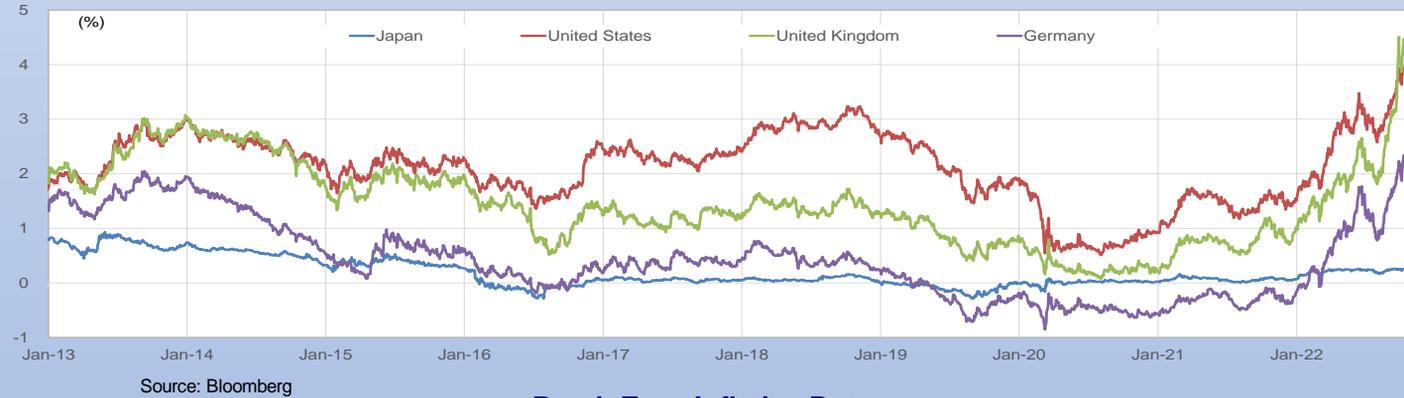
(Until 31 October 2022)



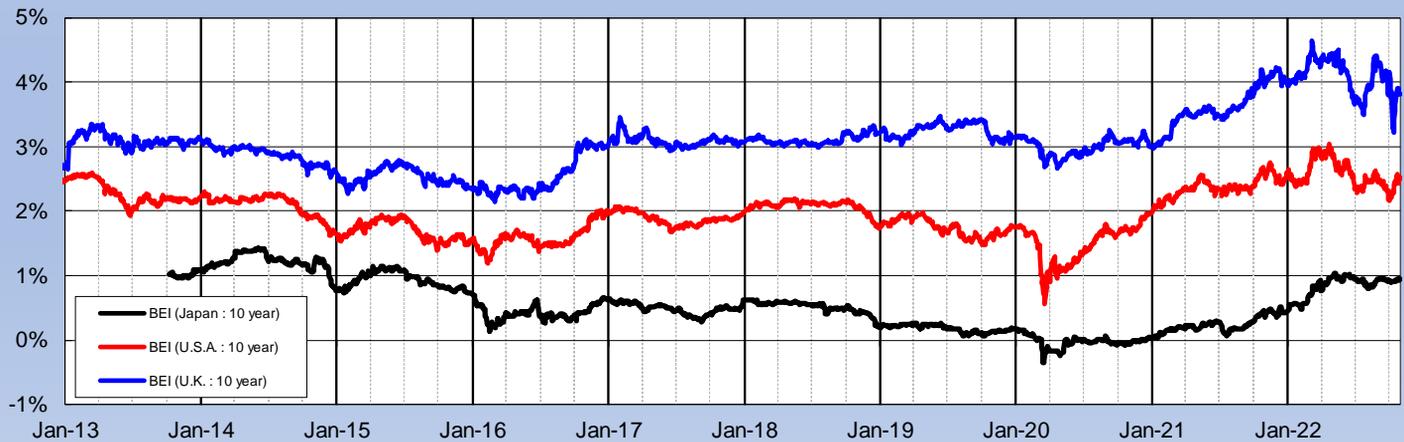
## Yields of JGB



## Long - Term Interest Rates (10Yr)

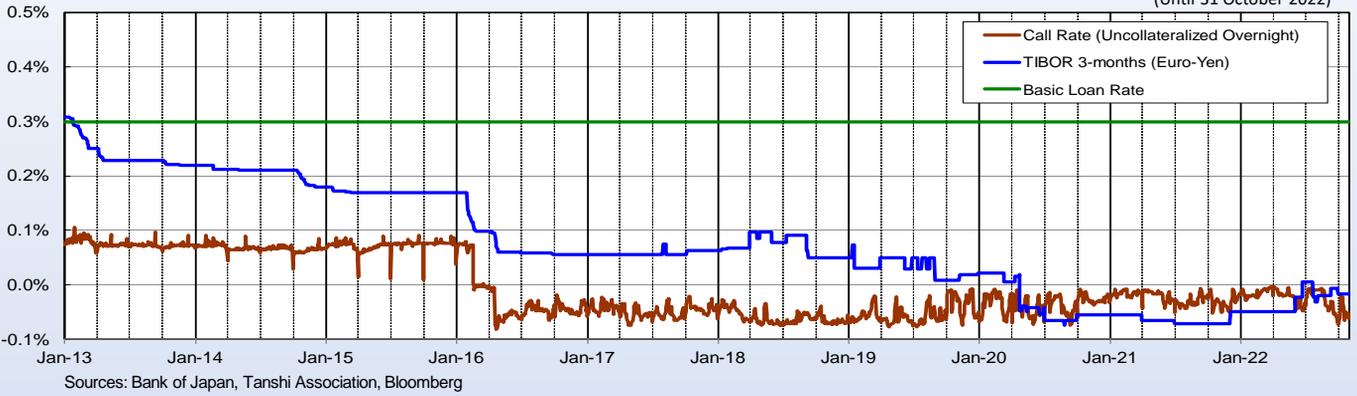


## Break-Even Inflation Rates



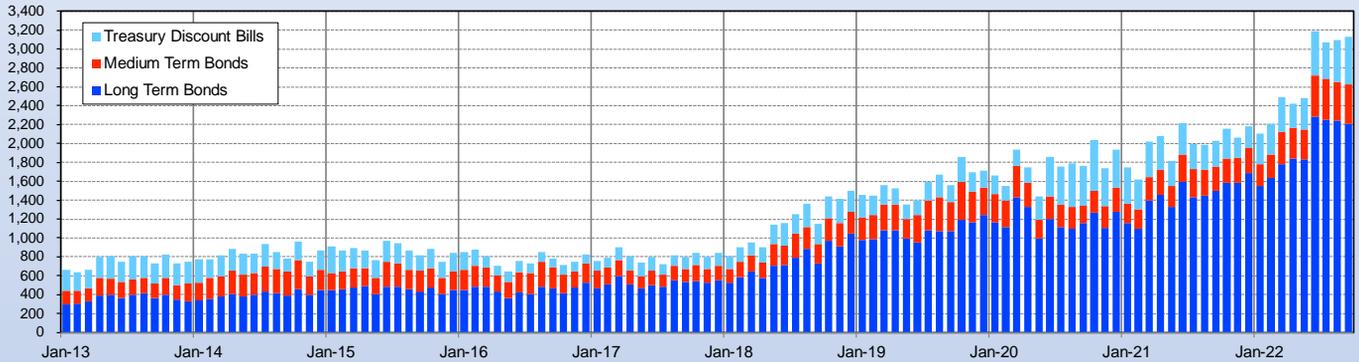
### Short-Term Interest Rates

(Until 31 October 2022)



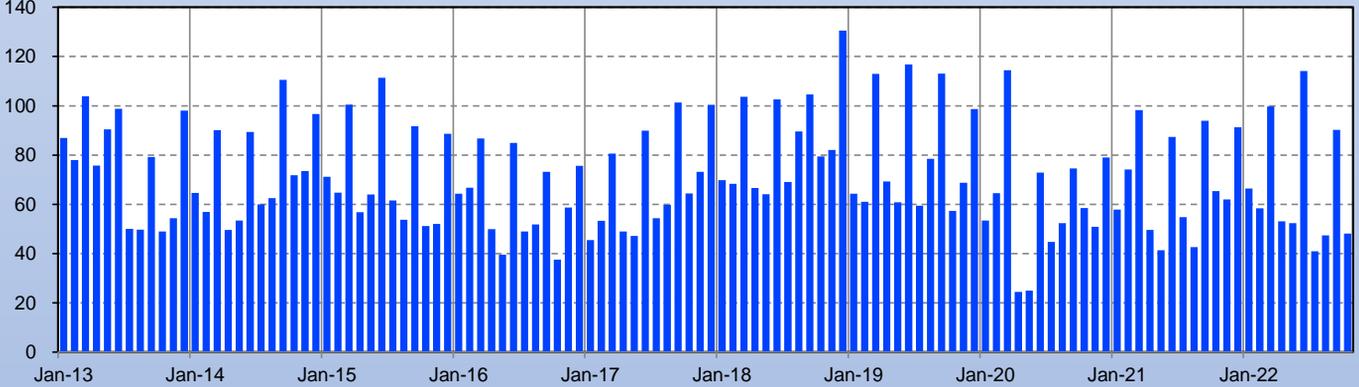
### JGB Over-the-Counter Trading Volume (TOKYO)

(trillion yen)



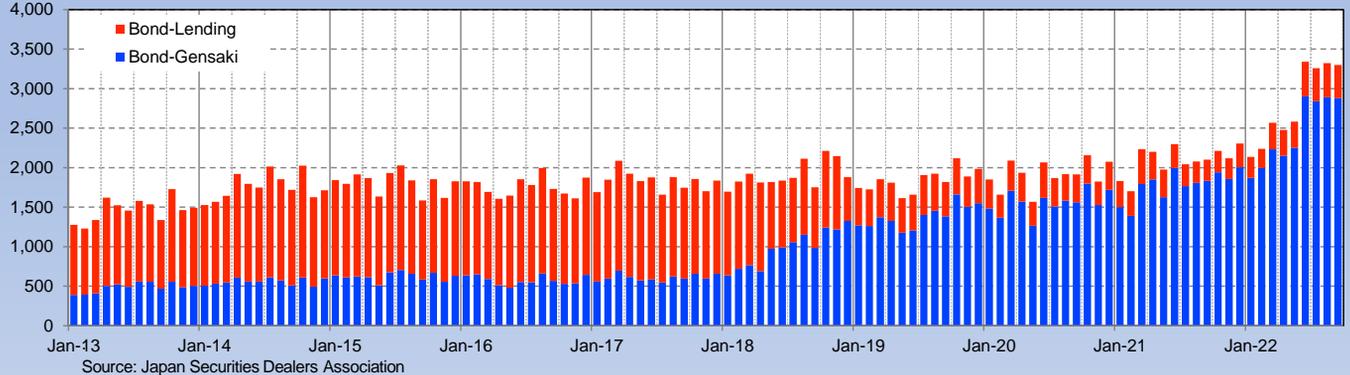
### Trading Volume of 10-Year JGB Futures

(trillion yen)



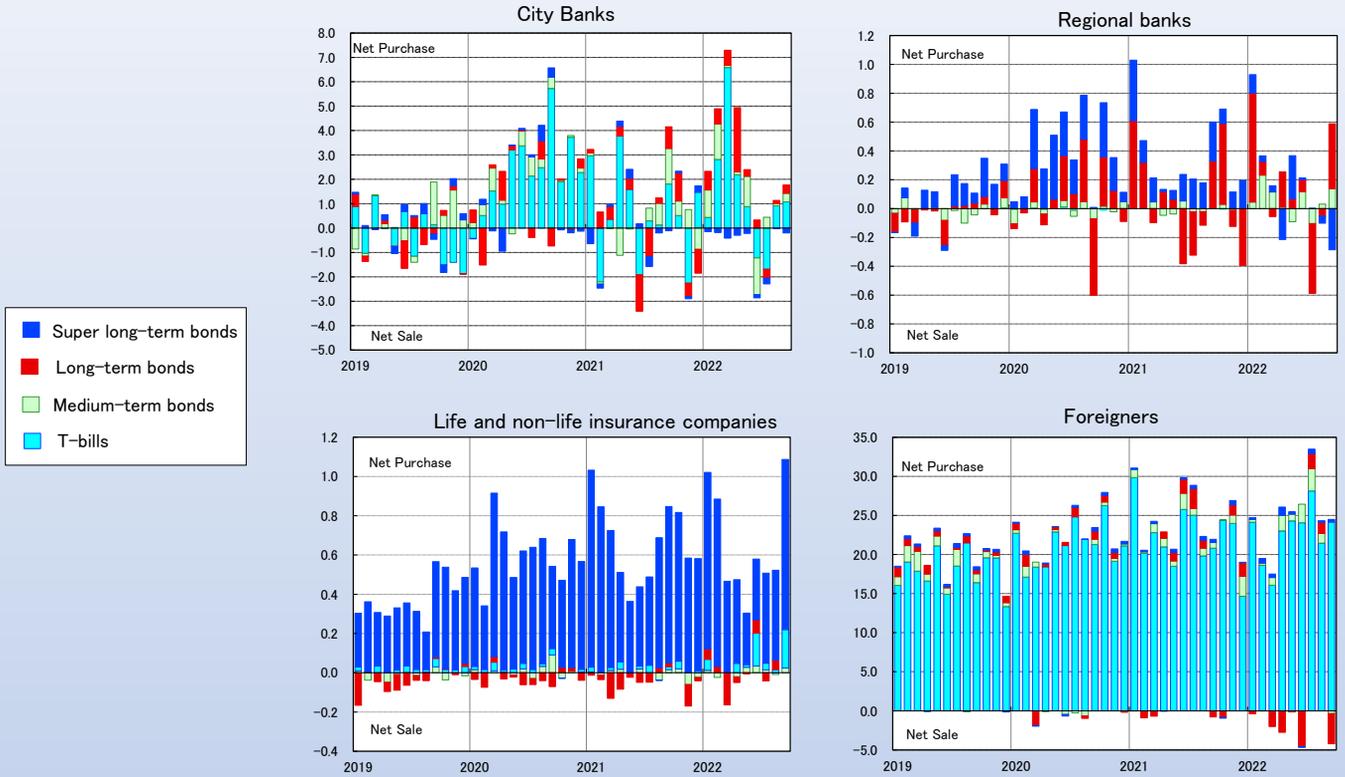
### Repurchase Transactions

(trillion yen)



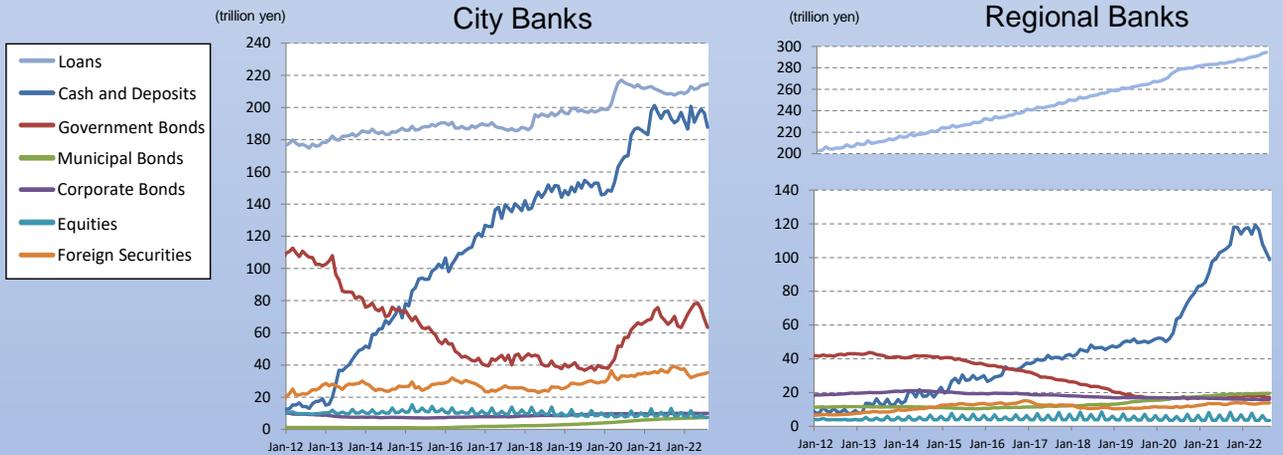
# Investor Trends and JGB Outstanding

## Trends in JGBs Transactions (by investor type)



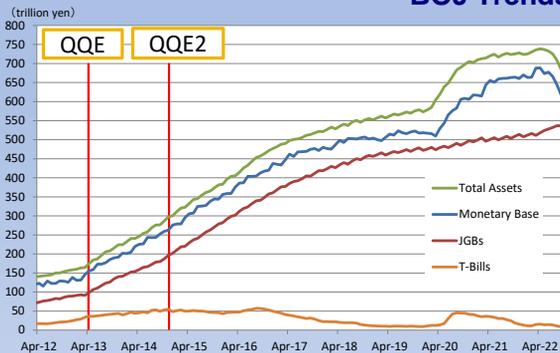
Source: Japan Securities Dealers Association

## Trends in Bank Assets by Types



Source: Bank of Japan

## BOJ Trends

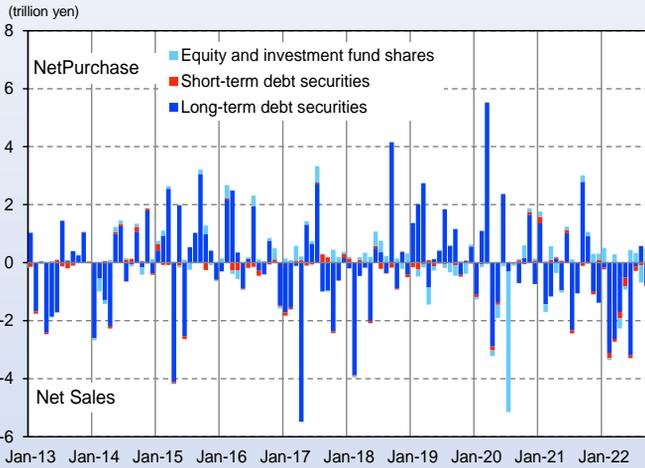


Source: Bank of Japan

	Apr 2013 (Actual)	Oct 2022 (Actual)
Monetary Base	155	621
JGBs	98	548
T-Bills	36	9
CP	1.4	2.6
Corporate Bonds	2.9	8.2
ETFs	1.7	36.9
J-REITs	0.13	0.66
<b>Total Assets</b>	<b>175</b>	<b>696</b>

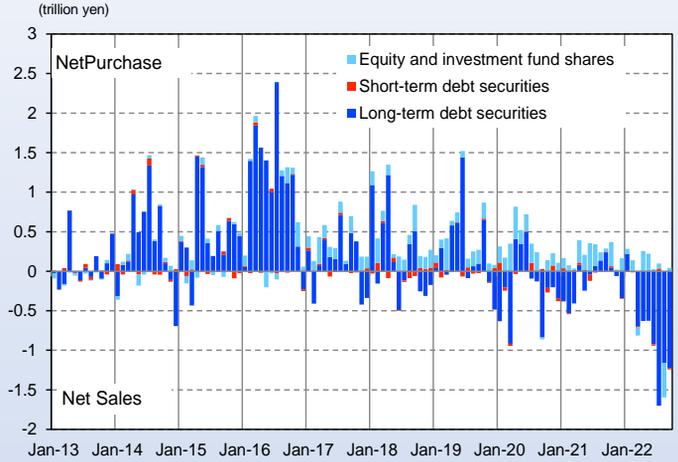
## Transactions of Foreign Securities by Residents (by Investor types)

Banks(Banking Accounts)



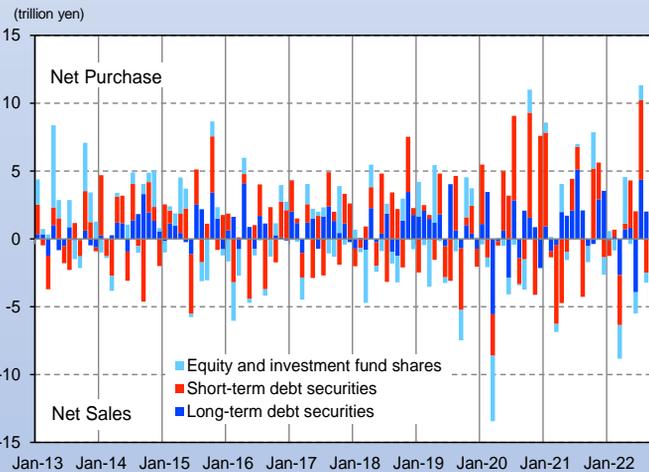
Source: Ministry of Finance

Life Insurance Companies



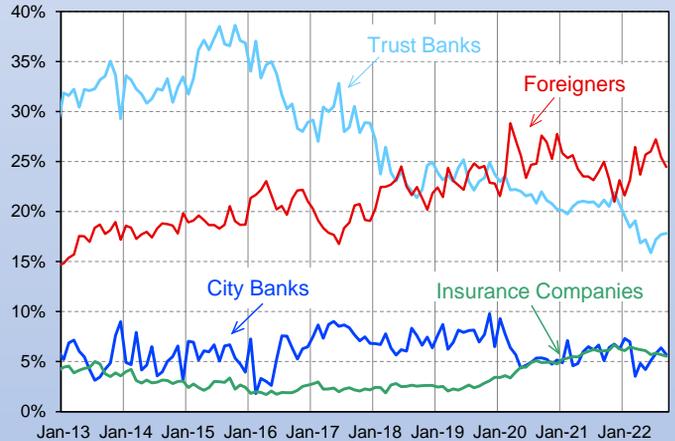
Source: Ministry of Finance

## Transactions of Domestic Securities by Non-Residents



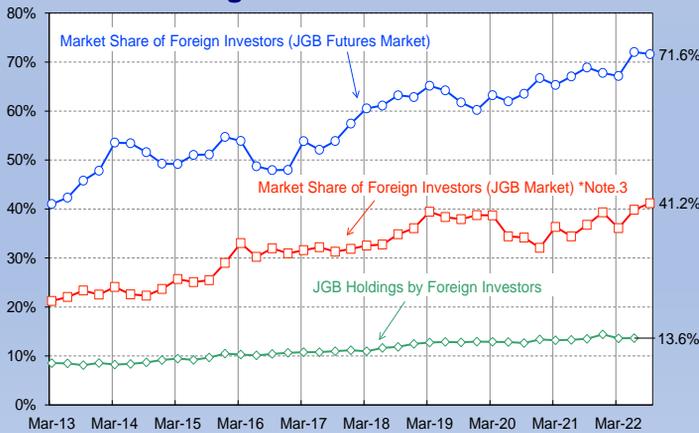
Source: Ministry of Finance

## Outstanding of Repurchase Agreements (by Investor types)



Source: Japan Securities Dealers Association

## Foreign Investors Presence



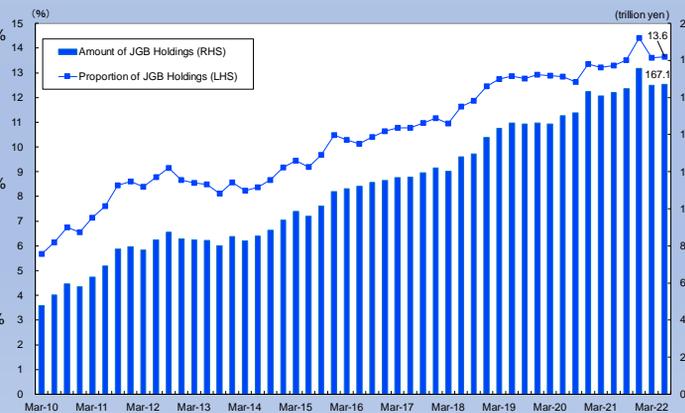
Note.1: Quarterly basis.

Note.2: "JGB" includes T-Bills.

Note.3: The figures excludes dealers' transactions.

Sources: Bank of Japan, Japan Securities Dealers Association, Japan Exchange Group, Inc.

## JGBs Holdings by Foreign Investors



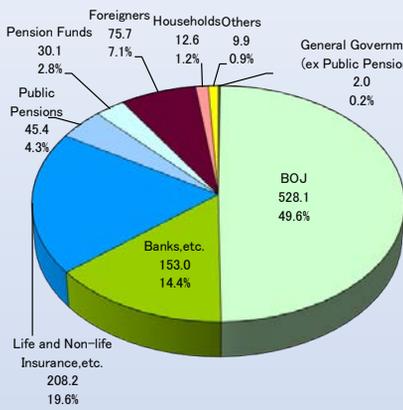
Note.1: Quarterly basis.

Note.2: "JGB" includes "FILP Bonds" and "T-Bills".

Source: Bank of Japan

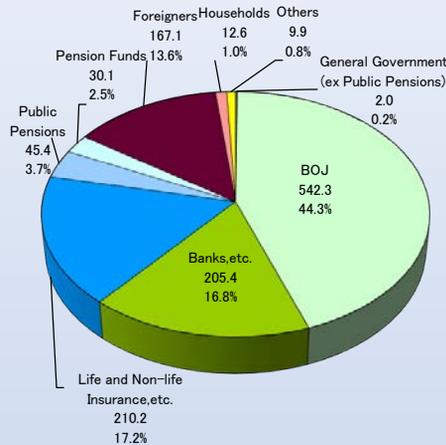
**Breakdown by JGB and T-Bill Holders (The end of June. 2022 QE)**

JGB Holders



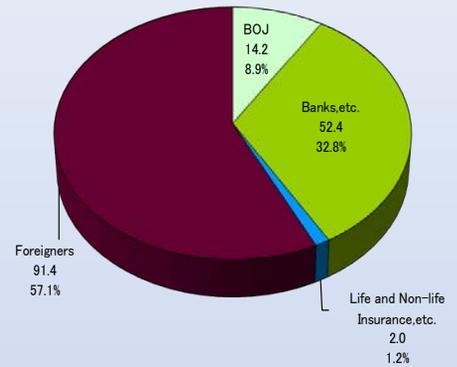
Total 1,065.0 trillion yen

JGB and T-Bill Holders



Total 1,225.0 trillion yen

T-Bill Holders

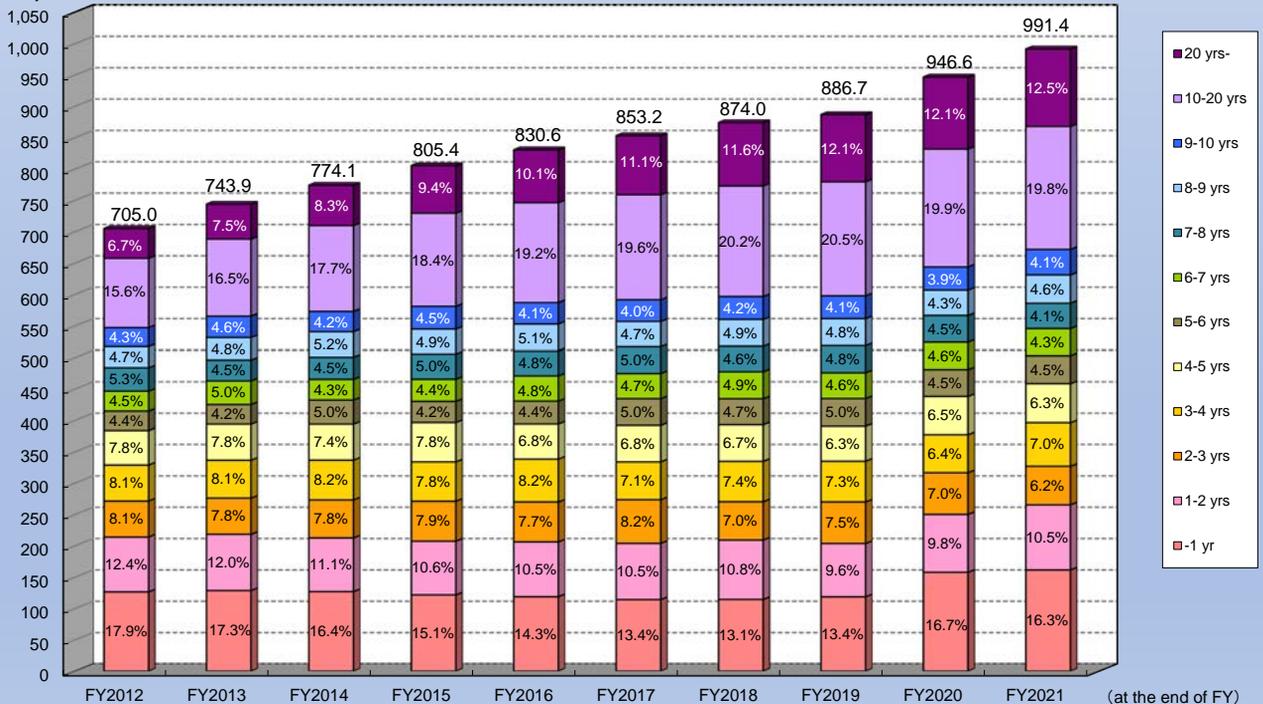


Total 160.0 trillion yen

Note1: "JGB" includes "FILP Bonds."  
 Note2: "Banks, etc." includes "Japan Post Bank," "Securities investment trust" and "Securities companies."  
 Note3: "Life and Non-life insurance, etc." includes "Japan Post Insurance."  
 Source: Bank of Japan "Flow of Funds Accounts (Preliminary Figures)"

**Breakdown of Outstanding Amount of General Bonds by Remaining Years to Maturity**

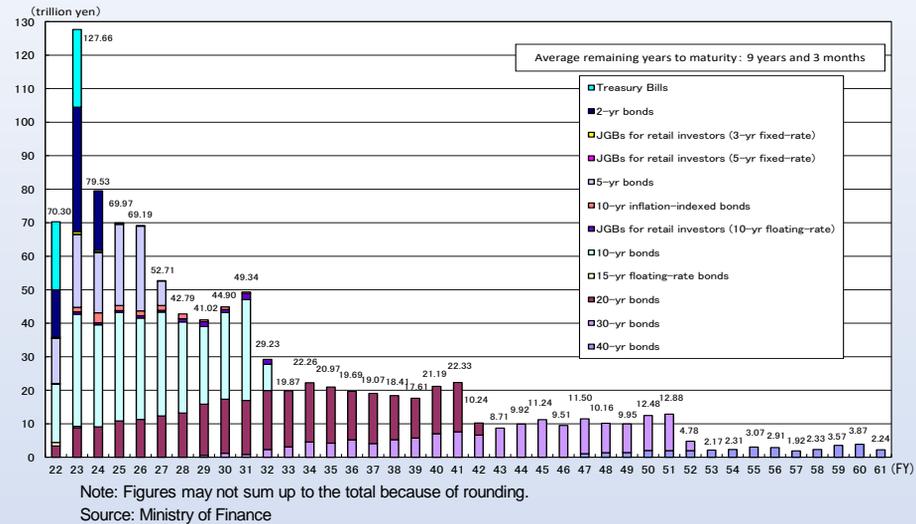
(Unit: trillion yen)



Average YTM*	7Y3M	7Y7M	8Y0M	8Y5M	8Y7M	8Y10M	9Y0M	9Y2M	8Y11M	9Y0M
Average YTM* (excluding JGBs for Retail Investors)	7Y5M	7Y8M	8Y0M	8Y5M	8Y8M	8Y11M	9Y1M	9Y2M	8Y11M	9Y0M

\*years to maturity

### Time-to-Maturity Structure of Outstanding JGB (September, 2022)



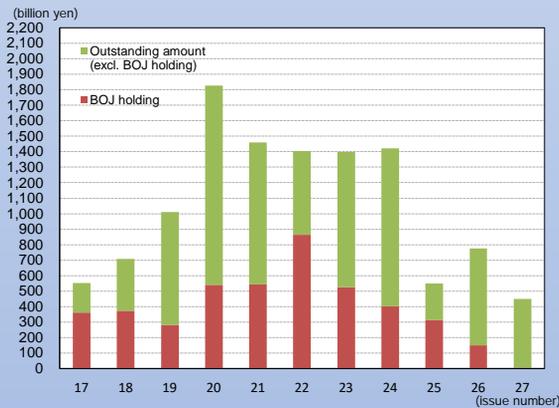
### Scheduled redemption of JGB at maturity in November, 2022

Types	The amount of redemption		Date of redemption
	at maturity		
2-Year Bonds	3,061.0		2022/11/1
15-Year Floating-Rate Bonds	1,050.6		11/20
Treasury Bills (1-Year)	3,500.0		11/21
<b>Total</b>	<b>7,611.6</b>		

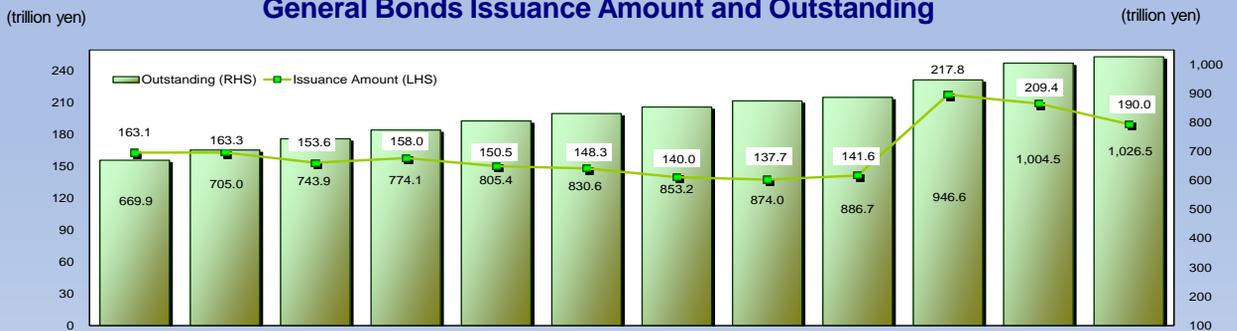
(billion yen)

Note.1: The figures are based on the outstanding JGBs at the end of September, 2022.  
 Note.2: The figures are the scheduled redemption at maturity and may be different from the actual redemption due to Buy-back of JGBs.  
 Note.3: The figures do not include "JGB for Retail Investors."  
 Note.4: If date of redemption coincides with bank holiday, the payment of redemption is carried out on the following business day.  
 Note.5: Figures may not sum up to the total because of rounding.

### Market-held Balance of the Inflation-Indexed Bonds (as of the end of September, 2022)



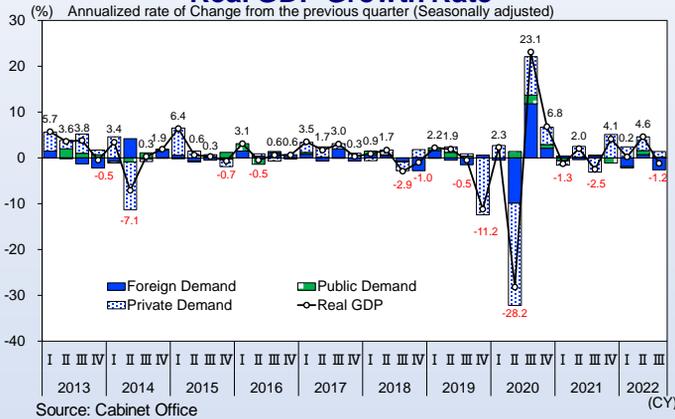
### General Bonds Issuance Amount and Outstanding



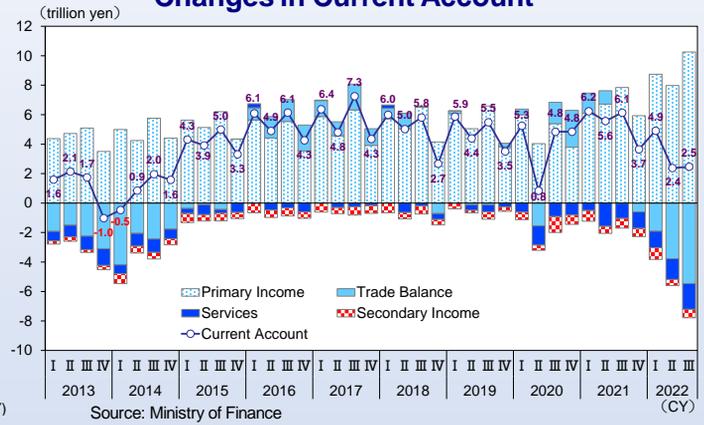
Note 1: Issuance Amount: revenue basis, FY2011-2020: Actual, FY2021: Supplementary budget, FY2022: Initial budget  
 Note 2: Outstanding: nominal basis, FY2011-2020: Actual, FY2021: Supplementary budget, FY2022: Initial budget  
 Source: Ministry of Finance

# Economic and Financial Trends

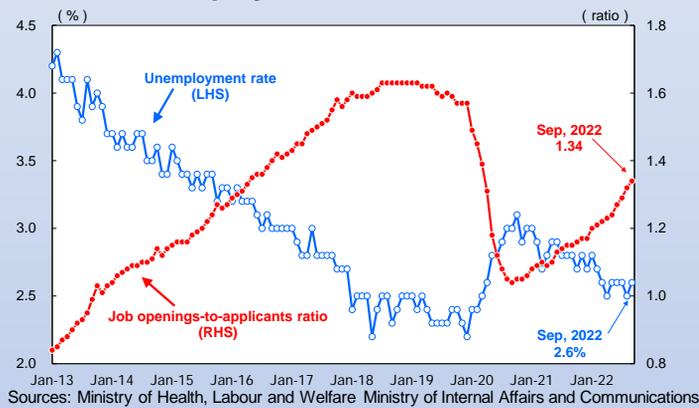
## Real GDP Growth Rate



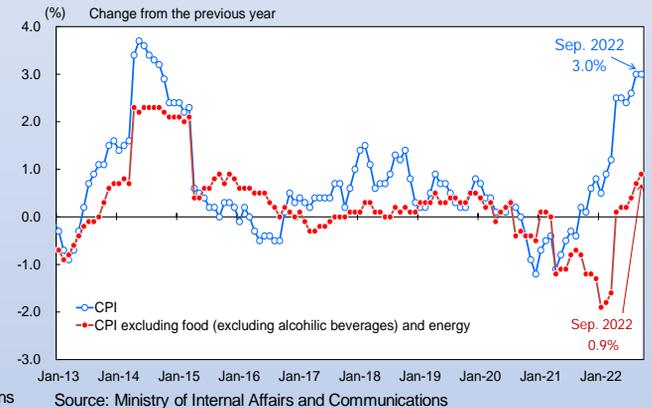
## Changes in Current Account



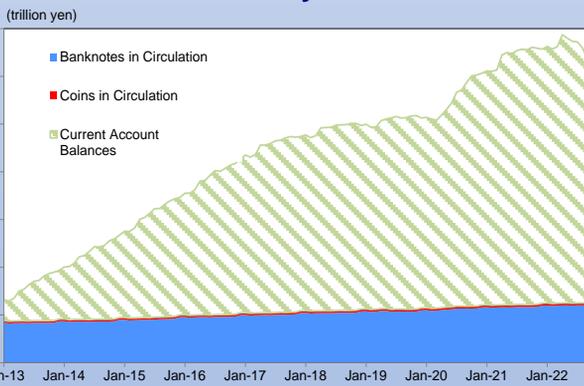
## Employment Conditions



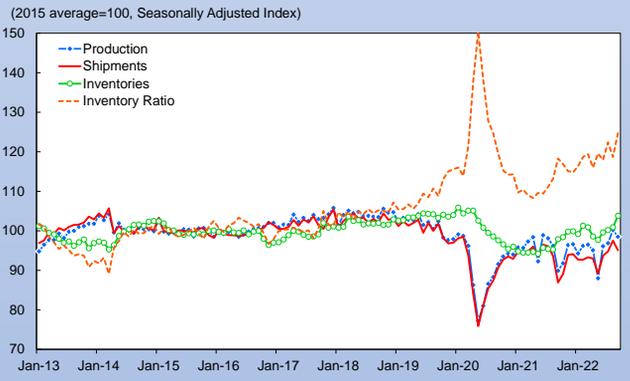
## Prices



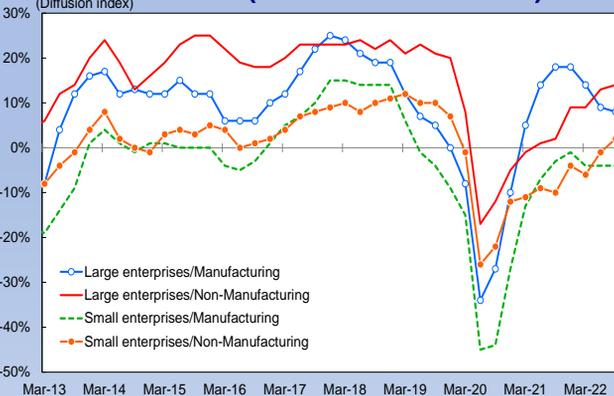
## Monetary Base



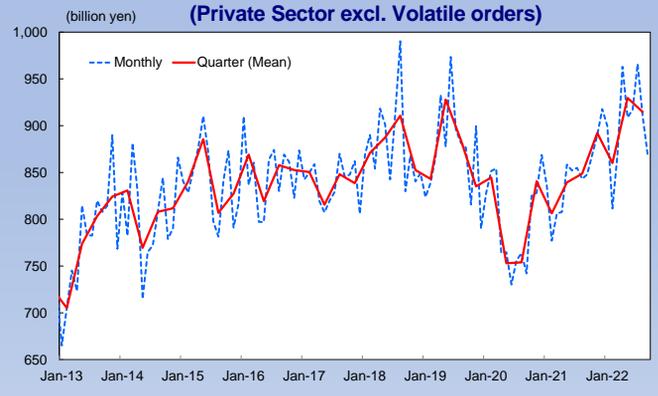
## Indices of Industrial Production



## TANKAN (Business Conditions)



## Total Value of Machinery Orders (Private Sector excl. Volatile orders)



# Information

English Publications on JGBs	Frequency	URL
<b>Debt Management</b>		
Message from the Financial Bureau	As needed	<a href="https://www.mof.go.jp/english/jgbs/debt_management/message.htm">https://www.mof.go.jp/english/jgbs/debt_management/message.htm</a>
About JGBs	As needed	<a href="https://www.mof.go.jp/english/jgbs/debt_management/guide.htm">https://www.mof.go.jp/english/jgbs/debt_management/guide.htm</a>
About the Debt Management Policy	As needed	<a href="https://www.mof.go.jp/english/jgbs/debt_management/about.htm">https://www.mof.go.jp/english/jgbs/debt_management/about.htm</a>
JGB Issuance Plan	As needed	<a href="https://www.mof.go.jp/english/jgbs/debt_management/plan/index.htm">https://www.mof.go.jp/english/jgbs/debt_management/plan/index.htm</a>
<b>Auction Calendar</b>		
Auction Calendar	Monthly	<a href="https://www.mof.go.jp/english/jgbs/auction/calendar/index.htm">https://www.mof.go.jp/english/jgbs/auction/calendar/index.htm</a>
Historical Data of Auction Results	Monthly	<a href="https://www.mof.go.jp/english/jgbs/auction/past_auction_results/index.html">https://www.mof.go.jp/english/jgbs/auction/past_auction_results/index.html</a>
<b>Topics</b>		
Product Characteristics of the JGB	As needed	<a href="https://www.mof.go.jp/english/jgbs/topics/bond/index.html">https://www.mof.go.jp/english/jgbs/topics/bond/index.html</a>
Treasury Discount Bills (T-Bills)	As needed	<a href="https://www.mof.go.jp/english/jgbs/topics/t_bill/index.htm">https://www.mof.go.jp/english/jgbs/topics/t_bill/index.htm</a>
Japanese Government Guaranteed Bonds	Annual	<a href="https://www.mof.go.jp/english/jgbs/topics/gov_guaranteed_bonds/index.htm">https://www.mof.go.jp/english/jgbs/topics/gov_guaranteed_bonds/index.htm</a>
Interest Rate Swap	Semiannual	<a href="https://www.mof.go.jp/english/jgbs/topics/swap/index.htm">https://www.mof.go.jp/english/jgbs/topics/swap/index.htm</a>
Taxation of Government Bonds	As needed	<a href="https://www.mof.go.jp/english/jgbs/topics/taxation2016/index.html">https://www.mof.go.jp/english/jgbs/topics/taxation2016/index.html</a>
For Individual Investors	As needed	<a href="https://www.mof.go.jp/english/jgbs/topics/individual/index.htm">https://www.mof.go.jp/english/jgbs/topics/individual/index.htm</a>
<b>Data</b>		
Central Government Debt	Quarterly	<a href="https://www.mof.go.jp/english/jgbs/reference/gbb/index.htm">https://www.mof.go.jp/english/jgbs/reference/gbb/index.htm</a>
Interest Rate	Daily	<a href="https://www.mof.go.jp/english/jgbs/reference/interest_rate/index.htm">https://www.mof.go.jp/english/jgbs/reference/interest_rate/index.htm</a>
STRIPS	Quarterly	<a href="https://www.mof.go.jp/english/jgbs/reference/jgbstat/index.htm">https://www.mof.go.jp/english/jgbs/reference/jgbstat/index.htm</a>
<b>Dialogue with the market</b>		
Study Group on Government Debt Management	Each Meeting	<a href="https://www.mof.go.jp/english/about_mof/councils/study_gov_debt_management/index.html">https://www.mof.go.jp/english/about_mof/councils/study_gov_debt_management/index.html</a>
Meeting of JGB Market Special Participants	Each Meeting	<a href="https://www.mof.go.jp/english/about_mof/councils/jgbsp/index.html">https://www.mof.go.jp/english/about_mof/councils/jgbsp/index.html</a>
Meeting of JGB Investors	Each Meeting	<a href="https://www.mof.go.jp/english/about_mof/councils/jgb_investor/index.html">https://www.mof.go.jp/english/about_mof/councils/jgb_investor/index.html</a>
<b>Publications</b>		
Debt Management Report	Annual	<a href="https://www.mof.go.jp/english/jgbs/publication/debt_management_report/index.htm">https://www.mof.go.jp/english/jgbs/publication/debt_management_report/index.htm</a>
JGB Newsletter	Monthly	<a href="https://www.mof.go.jp/english/jgbs/publication/newsletter/index.htm">https://www.mof.go.jp/english/jgbs/publication/newsletter/index.htm</a>

To subscribe to our Newsletter mailing list,  
 please email: [JGB-IR@mof.go.jp](mailto:JGB-IR@mof.go.jp)

## Debt Management Policy Division, Financial Bureau, Ministry of Finance

3-1-1 Kasumigaseki, Chiyoda-ku, Tokyo 100-8940 Japan

Phone: 81-3-3581-4111

Web: <https://www.mof.go.jp/>