Weekly Program Trading Report(Total of All Trading Participant)

15-Nov-23

Tokyo Stock Exchange, Inc.

1.Program Trading (Nov 6 - Nov 10)

(thousand shares,million yen)

| | Program Trading | | | | | | |
|------------------|-----------------|-----------|---|-----------|---------|-----------|--|
| | | | Transactions related to Index arbitrage | | Others | | |
| | sales | purchases | sales | purchases | sales | purchases | |
| Number of Shares | 415,045 | 620,227 | 61,044 | 61,054 | 354,001 | 559,173 | |
| Value | 984,595 | 1,634,771 | 168,042 | 195,256 | 816,553 | 1,439,515 | |

2. Cash Position Related to Index Arbitrage (Nov 10)

(thousand shares, million yen)

| | | Sell Positions | | Buy Positions | | | |
|------------------|---------------------------|----------------|---------|---------------------------|--------|---------|--|
| | Nearest Contract Month | Others | Total | Nearest Contract Month | Others | Total | |
| Number of Shares | 1,439 | 0 | 1,439 | 279,271 | 0 | 279,271 | |
| Change | -9,292 | 0 | -9,292 | 49,190 | 0 | 49,190 | |
| Value | 6,021 | 0 | 6,021 | 667,464 | 0 | 667,464 | |
| Change | -34,953 | 0 | -34,953 | 152,602 | 0 | 152,602 | |

Remarks: 1. Program trading is defined orders of 25 issues or more at one time.

- 2. Change means comparison to last weekend's position. indicates minus figures
- 3. The value of cash positions related to index arbitrage is evaluated by the weekend stock price.
- 4. Program trading excludes transactions through ToSTNeT.
- 5.Cash position related to index arbitrage reflects the change caused by transactions through ToSTNeT.
- 6. The "Nerest Contract Month"of"Cash position related to index arbitrage"includes the figures up to Dec contract of 2023

Figures given for cash positions also reflect non-arbitrage related transactions in the cash market.

Active Arbitrageurs Top 15 Trading Participant Nov 6 - Nov 10

(thousand shares,%)

| Name | Sales | | Purchases | | Total | , , |
|-------------------------------------|--------------|-------|------------|-------|------------|----------|
| Name | Sales | | Purchases | | Total | = |
| | Percentage | | Percentage | | Percentage | |
| Mizuho | 29,315 | 48.0 | 10,914 | 17.9 | 40,229 | 32.9 |
| Nomura | 4,977 | 8.2 | 25,640 | 42.0 | 30,617 | 25.1 |
| Societe Generale | 17,217 | 28.2 | 4,678 | 7.7 | 21,895 | 17.9 |
| Jefferies | 9,069 | 14.9 | 10,612 | 17.4 | 19,681 | 16.1 |
| Mitsubishi UFJ Morgan Stanley | 466 | 0.8 | 9,210 | 15.1 | 9,676 | 7.9 |
| - | _ | _ | _ | - | - | _ |
| - | _ | - | _ | - | _ | _ |
| - | _ | - | _ | 1 | _ | _ |
| - | _ | - | _ | - | _ | _ |
| - | - | - | _ | 1 | 1 | _ |
| - | _ | - | _ | - | _ | _ |
| - | - | - | _ | 1 | _ | _ |
| - | - | - | _ | - | _ | _ |
| - | <u> </u> | - | _ | - | | _ |
| - | - | - | _ | _ | | _ |
| Total of Top 15 Trading Participant | 61,044 | 100.0 | 61,054 | 100.0 | 122,098 | 100.0 |
| Total of ALL Trading Participant | 61,044 | 100.0 | 61,054 | 100.0 | 122,098 | 100.0 |

Remark: Based on the total of sales and purchases