Weekly Program Trading Report(Total of All Trading Participant)

01-Nov-23

Tokyo Stock Exchange, Inc.

| 1.Program Tra | ding (Oct 23 - | Oct 27) | | | (thousand shares, million yen) | | |
|------------------|-----------------|-----------|---|-----------|--------------------------------|-----------|--|
| | Program Trading | | | | | | |
| | | | Transactions related to Index arbitrage | | Others | | |
| | sales | purchases | sales | purchases | sales | purchases | |
| Number of Shares | 455,341 | 404,410 | 21,740 | 39,136 | 433,601 | 365,274 | |
| Value | 1,007,703 | 949,403 | 62,931 | 104,517 | 944,772 | 844,886 | |

2. Cash Position Related to Index Arbitrage (Oct 27)

(thousand shares, million yen)

| | | Sell Positions | | Buy Positions | | | |
|------------------|---------------------------|----------------|--------|---------------------------|--------|----------|--|
| | Nearest Contract Month | Others | Total | Nearest Contract Month | Others | Total | |
| Number of Shares | 9,906 | 0 | 9,906 | 184,975 | 0 | 184,975 | |
| Change | 973 | 0 | 973 | -82,002 | 0 | -82,002 | |
| Value | 35,637 | 0 | 35,637 | 398,485 | 0 | 398,485 | |
| Change | 253 | 0 | 253 | -183,634 | 0 | -183,634 | |

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 Oct 23 - Oct 27

(thousand shares,%)

| Name | Sales | | Purchases | : | Total | 14 31141C3,707 |
|-------------------------------------|--------------|------------|-----------|------------|--------|----------------|
| Name | | - | | | | - |
| | | Percentage | | Percentage | | Percentage |
| Mizuho | 7,346 | 33.8 | 7,528 | 19.2 | 14,874 | 24.4 |
| Societe Generale | 733 | 3.4 | 13,953 | 35.7 | 14,686 | 24.1 |
| Mitsubishi UFJ Morgan Stanley | 6,783 | 31.2 | 7,208 | 18.4 | 13,991 | 23.0 |
| Jefferies | 6,878 | 31.6 | 6,344 | 16.2 | 13,222 | 21.7 |
| Nomura | 0 | 0.0 | 4,103 | 10.5 | 4,103 | 6.7 |
| - | _ | - | _ | - | _ | - |
| - | _ | - | _ | - | _ | _ |
| - | - | - | _ | - | _ | - |
| - | - | - | _ | - | _ | - |
| - | - | - | _ | 1 | _ | - |
| - | - | 1 | _ | - | _ | - |
| - | - | 1 | _ | 1 | _ | - |
| - | - | - | _ | - | _ | - |
| - | | - | | - | | - |
| - | - | - | _ | _ | _ | - |
| Total of Top 15 Trading Participant | 21,740 | 100.0 | 39,136 | 100.0 | 60,876 | 100.0 |
| Total of ALL Trading Participant | 21,740 | 100.0 | 39,136 | 100.0 | 60,876 | 100.0 |

Remark: Based on the total of sales and purchases