

## Trading Details of Short Selling by Industry for 2019/9/2

Tokyo Stock Exchange, Inc.

(Mil. yen)

| Industry                                     | Selling excluding short selling |                    | Short selling with price restrictions |                    | Short selling without price restrictions |                    | Total (d) |
|--|---------------------------------|--------------------|---------------------------------------|--------------------|--|--------------------|-----------|
|  | Trading Value (a)               | % of Total (a)/(d) | Trading Value (b)                     | % of Total (b)/(d) | Trading Value (c)                        | % of Total (c)/(d) |           |
| Fishery, Agriculture & Forestry              | 669                             | 44.9%              | 761                                   | 51.1%              | 60                                       | 4.0%               | 1,490     |
| Mining                                       | 2,281                           | 60.1%              | 1,348                                 | 35.5%              | 167                                      | 4.4%               | 3,796     |
| Construction                                 | 18,306                          | 56.6%              | 12,660                                | 39.1%              | 1,394                                    | 4.3%               | 32,360    |
| Foods  | 21,499                          | 52.4%              | 17,274                                | 42.1%              | 2,231                                    | 5.4%               | 41,004    |
| Textiles & Apparels                          | 3,019                           | 48.1%              | 2,771                                 | 44.2%              | 482                                      | 7.7%               | 6,272     |
| Pulp & Paper                                 | 996                             | 47.3%              | 1,022                                 | 48.5%              | 89                                       | 4.2%               | 2,107     |
| Chemicals                                    | 45,707                          | 53.6%              | 34,975                                | 41.0%              | 4,628                                    | 5.4%               | 85,310    |
| Pharmaceutical                               | 61,102                          | 61.8%              | 33,630                                | 34.0%              | 4,130                                    | 4.2%               | 98,862    |
| Oil & Coal Products                          | 4,638                           | 60.8%              | 2,747                                 | 36.0%              | 247                                      | 3.2%               | 7,632     |
| Rubber Products                              | 3,378                           | 44.6%              | 3,881                                 | 51.2%              | 321                                      | 4.2%               | 7,580     |
| Glass & Ceramics Products                    | 6,608                           | 53.5%              | 5,194                                 | 42.0%              | 560                                      | 4.5%               | 12,362    |
| Iron & Steel                                 | 6,631                           | 49.7%              | 5,481                                 | 41.1%              | 1,239                                    | 9.3%               | 13,352    |
| Nonferrous Metals                            | 9,630                           | 59.1%              | 6,051                                 | 37.1%              | 618                                      | 3.8%               | 16,299    |
| Metal Products                               | 7,501                           | 49.4%              | 6,313                                 | 41.5%              | 1,384                                    | 9.1%               | 15,197    |
| Machinery                                    | 33,720                          | 52.1%              | 26,341                                | 40.7%              | 4,706                                    | 7.3%               | 64,767    |
| Electric Appliances                          | 124,250                         | 52.7%              | 92,368                                | 39.2%              | 19,207                                   | 8.1%               | 235,825   |
| Transportation Equipment                     | 37,575                          | 52.9%              | 29,543                                | 41.6%              | 3,865                                    | 5.4%               | 70,983    |
| Precision Instruments                        | 14,101                          | 55.5%              | 9,981                                 | 39.3%              | 1,344                                    | 5.3%               | 25,426    |
| Other Products                               | 32,501                          | 58.4%              | 14,562                                | 26.2%              | 8,568                                    | 15.4%              | 55,630    |
| Electric Power & Gas                         | 6,524                           | 53.8%              | 5,175                                 | 42.7%              | 434                                      | 3.6%               | 12,133    |
| Land Transportation                          | 15,346                          | 49.1%              | 14,513                                | 46.5%              | 1,374                                    | 4.4%               | 31,232    |
| Marine Transportation                        | 2,755                           | 51.6%              | 2,270                                 | 42.5%              | 316                                      | 5.9%               | 5,341     |
| Air Transportation                           | 2,850                           | 53.9%              | 1,058                                 | 20.0%              | 1,380                                    | 26.1%              | 5,288     |
| Warehousing & Harbor Transportation Services | 1,083                           | 58.7%              | 692                                   | 37.5%              | 71                                       | 3.9%               | 1,846     |
| Information & Communication                  | 107,720                         | 58.3%              | 66,011                                | 35.7%              | 11,195                                   | 6.1%               | 184,926   |
| Wholesale Trade                              | 26,098                          | 55.8%              | 18,109                                | 38.7%              | 2,543                                    | 5.4%               | 46,750    |
| Retail Trade                                 | 58,492                          | 52.6%              | 41,542                                | 37.3%              | 11,224                                   | 10.1%              | 111,258   |
| Banks  | 25,980                          | 55.1%              | 19,382                                | 41.1%              | 1,827                                    | 3.9%               | 47,189    |
| Securities & Commodity Futures               | 6,734                           | 50.5%              | 5,897                                 | 44.3%              | 696                                      | 5.2%               | 13,327    |
| Insurance                                    | 10,818                          | 56.1%              | 7,345                                 | 38.1%              | 1,109                                    | 5.8%               | 19,272    |
| Other Financing Business                     | 7,925                           | 54.1%              | 6,045                                 | 41.3%              | 670                                      | 4.6%               | 14,640    |
| Real Estate                                  | 22,000                          | 57.5%              | 14,079                                | 36.8%              | 2,156                                    | 5.6%               | 38,235    |
| Services                                     | 68,567                          | 58.0%              | 42,573                                | 36.0%              | 7,125                                    | 6.0%               | 118,265   |
| Others (excluding the above 33 industries)   | 78,446                          | 49.7%              | 65,769                                | 41.7%              | 13,613                                   | 8.6%               | 157,828   |

(Note 1) Figures in "Others (excluding the above 33 industries)" indicate the total for ETFs, REITs and preferred equity contribution securities.

(Note 2) Figures represent the total including foreign stocks, etc. (rough calculation).

(Note 3) Short selling includes margin trading.