

April 3, 2023

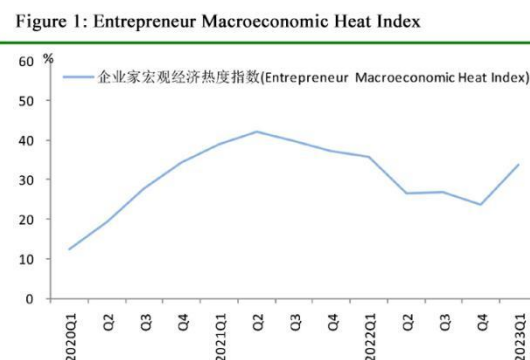
## Entrepreneur Survey Report (Q1 2023)

The results of the entrepreneur survey conducted by the People's Bank of China (PBOC) in Q1 2023 are as follows.

### I. Entrepreneur Macroeconomic Heat Index

The entrepreneur macroeconomic heat index registered 33.8 percent, increasing 10.3 percentage points quarter-on-quarter (q-o-q) and decreasing 1.9 percentage points year-on-year (y-o-y). Among the entrepreneurs surveyed, 33.9 percent considered the macroeconomic climate “relatively cold”, 64.6 percent regarded it as “normal”, and 1.5 percent regarded it as “relatively

Figure 1: Entrepreneur Macroeconomic Heat Index

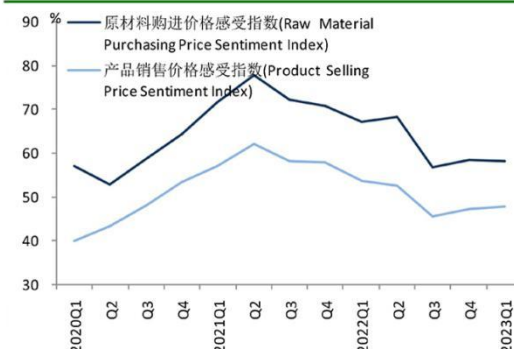


Source: Statistics and Analysis Department, PBC

### II. Product Selling Price Sentiment Index and Raw Material Purchasing Price Sentiment Index

The product selling price sentiment index posted 47.8 percent, increasing 0.6 percentage points q-o-q and decreasing 5.8 percentage points y-o-y. Compared with the previous quarter, 11.1 percent of the entrepreneurs surveyed considered the current product

Figure 2: Product Selling Price Sentiment Index and Raw Material Purchasing Price Sentiment Index



Source: Statistics and Analysis Department, PBC

selling price “increased”, while 73.5 percent and 15.5 percent considered it “unchanged” and “decreased” respectively.

The raw material purchasing price sentiment index reached 58.0 percent, decreasing 0.5 percentage points q-o-q and 9.1 percentage points y-o-y. Compared with the previous quarter, 24.2 percent of the entrepreneurs surveyed considered the raw material purchasing price “increased”, while 67.6 percent and 8.2 percent considered it “unchanged” and “decreased” respectively.

### III. Export Order Index and Domestic Order Index

The export order index was 39.5 percent, increasing 0.5 percentage points q-o-q, and decreasing 1.5 percentage points y-o-y. Compared with the previous quarter, 13.7 percent of the entrepreneurs surveyed

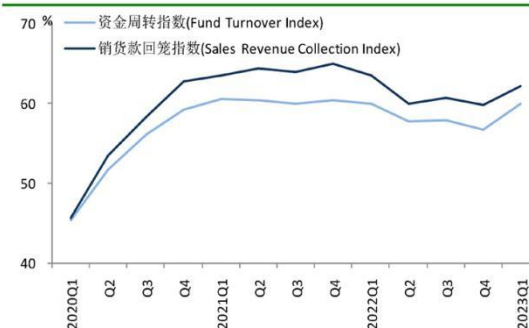
considered the number of export orders “increased”, 51.6 percent considered it “unchanged”, and 34.8 percent considered it “decreased”.

The domestic order index posted 42.9 percent, decreasing 1.3 percentage points q-o-q and increasing 1.5 percentage points y-o-y. Compared with the previous quarter, 15.3 percent of the entrepreneurs surveyed considered the number of domestic orders “increased”, 55.3 percent considered it “unchanged”, and 29.5 percent considered it “decreased”.

### IV. Fund Turnover Index and Sales Revenue Collection Index

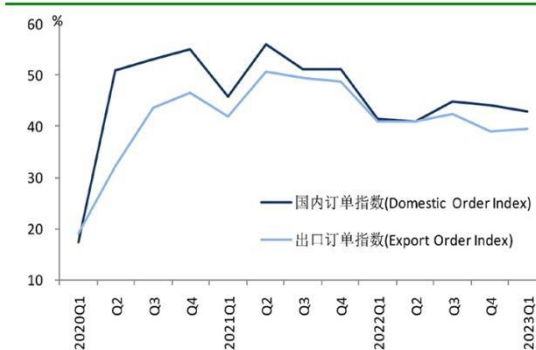
The fund turnover index was 59.9 percent, increasing 3.3 percentage points q-o-q and on par with the previous year. Among the entrepreneurs surveyed, 33.2 percent considered

Figure 4: Fund Turnover Index and Sales Revenue Collection Index



Source: Statistics and Analysis Department, PBC

Figure 3: Export Order Index and Domestic Order Index



Source: Statistics and Analysis Department, PBC

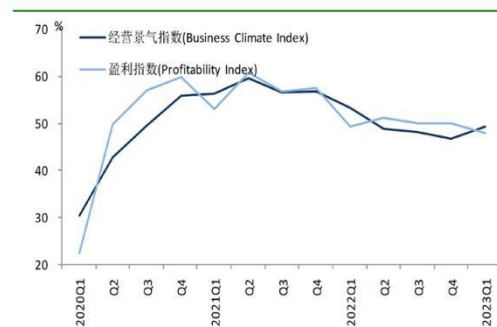
the performance of fund turnover in the current quarter to be “good”, 53.5 percent considered it “mediocre”, and 13.3 percent considered it “poor”.

The sales revenue collection index registered 62.2 percent, increasing 2.4 percentage points q-o-q and decreasing 1.2 percentage points y-o-y. Among the entrepreneurs surveyed, 32.8 percent considered the collection of sales revenue to be “easy”, 58.8 percent considered it “mediocre”, and 8.4 percent considered it “difficult”.

## V. Business Climate Index and Profitability Index

The business climate index posted 49.2 percent, increasing 2.6 percentage points q-o-q and decreasing 4.1 percentage points y-o-y. Among the entrepreneurs surveyed, 17.0 percent considered their business performance in the current quarter to be “relatively good”, 64.5 percent considered it “mediocre”, and 18.5 percent considered it “relatively poor”.

Figure 5: Business Climate Index and Profitability Index



Source: Statistics and Analysis Department, PBC

The profitability index registered 47.8 percent, decreasing 2.2 percentage points q-o-q, and decreasing 1.5 percentage points y-o-y. Compared with the previous quarter, 26.4 percent of the entrepreneurs surveyed stated “profits increased or losses reduced”, 42.9 percent considered that “profits and losses remained unchanged”, and 30.7 percent said that “losses increased or profits declined”.

## Annex: Survey Index on 5,000 Entrepreneurs

Unit: %

时 间	企业家宏观经济热度指数 Entrepreneur Macroeconomic Heat Index	产品销售价格感受指数 Product Selling Price Sentiment Index	原材料购进价格感受指数 Raw Material Purchasing Price Sentiment Index	国内订单指数 Domestic Order Index	出口订单指数 Export Order Index	资金周转指数 Fund Turnover Index	销货款回笼指数 Sales Revenue Collection Index	经营景气指数 Business Climate Index	盈利指数 Profitability Index
2019. Q4	31.9	47.6	57.1	49.1	43.2	59.0	63.7	55.5	57.3
2020. Q1	12.4	40.0	56.9	17.4	19.1	45.4	45.7	30.3	22.3
2020. Q2	19.3	43.2	52.8	50.9	32.0	51.6	53.4	42.7	49.6
2020. Q3	27.7	48.1	58.6	53.0	43.6	56.1	58.3	49.4	57.0
2020. Q4	34.4	53.3	64.2	55.0	46.4	59.3	62.7	55.8	59.8
2021. Q1	38.9	56.9	71.6	45.8	41.8	60.6	63.5	56.3	53.1
2021. Q2	42.1	62.1	77.6	56.0	50.6	60.3	64.4	59.6	60.7
2021. Q3	39.8	58.2	72.0	51.1	49.4	59.9	63.9	56.6	56.7
2021. Q4	37.3	57.9	70.6	51.2	48.7	60.4	64.9	56.8	57.4
2022. Q1	35.7	53.6	67.1	41.4	40.9	60.0	63.4	53.3	49.3
2022. Q2	26.5	52.4	68.1	40.9	41.0	57.7	59.9	48.7	51.2
2022. Q3	26.9	45.4	56.7	44.8	42.2	57.8	60.6	48.1	50.0
2022. Q4	23.5	47.2	58.5	44.1	38.9	56.7	59.8	46.6	50.0

**Source:** Statistics and Analysis Department, PBC.

**Note:** Figures in this table are rounded to one decimal place. Possible discrepancies between year- on-year or quarter-on-quarter changes calculated from the figures and those published in the report are mainly due to rounding.

**Note:** Since Q1 2016, the previous “product selling price index” has been renamed “product selling price sentiment index”; “raw material purchasing price index” has been renamed “raw material purchasing price sentiment index”. The calculation method remains unchanged.

### Compilation Notes:

The People’s Bank of China (PBC) started the entrepreneur survey in 1992. About 5,000

industrial firms are surveyed nationwide (excluding Tibet) on seven aspects of business operation, i.e., overall production performance, production factors, market demand, funding, cost and profitability, investment and others. The indexes in the entrepreneur survey report are calculated using the diffusion index approach, i.e., the proportion  $c_i$  represented by each option is calculated, and different options are given different weights  $q_i$  (a weight of 1 to the "good/increase" option, 0.5 to "mediocre/unchanged", and 0 to "poor/decrease"), and the final indexes are obtained by adding up the results of each  $c_i$  multiplied by the corresponding  $q_i$ . All indexes range between 0 and 100 percent. An index reading above 50 percent indicates an upward trend or expansion while an index below 50 percent is a sign of a downward trend or contraction.

The calculation methods of major indexes are introduced briefly below.

**1. Macroeconomic heat index:** It is a diffusion index reflecting entrepreneurs' judgment on the current macroeconomic situation. The index is derived by calculating the proportions of entrepreneurs who considered the economic climate in the current quarter "relatively overheated" and "normal" respectively, assigning weights 1 and 0.5 to them, and adding up the multiplication results.

**2. Product selling price sentiment index:** It is a diffusion index reflecting entrepreneurs' judgment on the current product selling prices of firms. The index is derived by calculating the proportions of entrepreneurs who considered the current product selling price "increased" and "unchanged" compared with the previous quarter, assigning weights 1 and 0.5 to them respectively, and adding up the multiplication results.

**3. Raw material purchasing price sentiment index:** It is a diffusion index reflecting entrepreneurs' judgment on the current raw material purchasing prices. The index is derived by calculating the proportions of entrepreneurs who considered the raw material purchase price "increased" and "unchanged" respectively compared with the previous quarter, assigning weights 1 and 0.5 to them, and adding up the multiplication results.

**4. Domestic order index:** It is a diffusion index reflecting entrepreneurs' judgment on the quantity level of domestic product orders. The index is derived by calculating the proportions of entrepreneurs who considered the current number of domestic product

orders “increased” and “unchanged” compared with the previous quarter, assigning weights 1 and 0.5 to them respectively, and adding up the multiplication results.

**5. Export order index:** It is a diffusion index reflecting entrepreneurs’ judgment on the changes (qoq) of current export product orders. The index is derived by identifying the firms with export business, calculating the proportions of entrepreneurs who considered the current number of export orders “increased” and “unchanged” compared with the previous quarter, assigning weights 1 and 0.5 to them respectively, and adding up the multiplication results.

**6. Fund turnover index:** It is a diffusion index reflecting entrepreneurs’ judgment on fund turnover of the firms. The index is calculated by calculating the proportions of entrepreneurs who considered the performance of fund turnover in the current quarter “good” and “mediocre”, assigning weights 1 and 0.5 to them respectively, and adding up the multiplication results.

**7. Sales revenue collection index:** It is a diffusion index reflecting entrepreneurs’ judgment of collection of sales revenue. The index is derived by calculating the proportions of entrepreneurs who considered the collection of sales revenue in the current quarter “easy” and “mediocre”, assigning weights 1 and 0.5 to them respectively, and adding up the multiplication results.

**8. Business climate index:** It is an index reflecting entrepreneurs’ judgment on the current operation climate. The index is derived by calculating the proportions of entrepreneurs who considered the performance of business operation in the current quarter “relatively good” and “mediocre”, assigning weights 1 and 0.5 to them respectively, and adding up the multiplication results.

**9. Profitability index:** It is a diffusion index reflecting entrepreneurs’ judgment on the profitability of the firms compared with the previous quarter. The index is derived by calculating the proportions of entrepreneurs who considered “profits increased or losses reduced” and that “both profits and losses remained unchanged”, assigning weights 1 and 0.5 to them respectively, and adding up the multiplication results.