



# FIRST RELEASE



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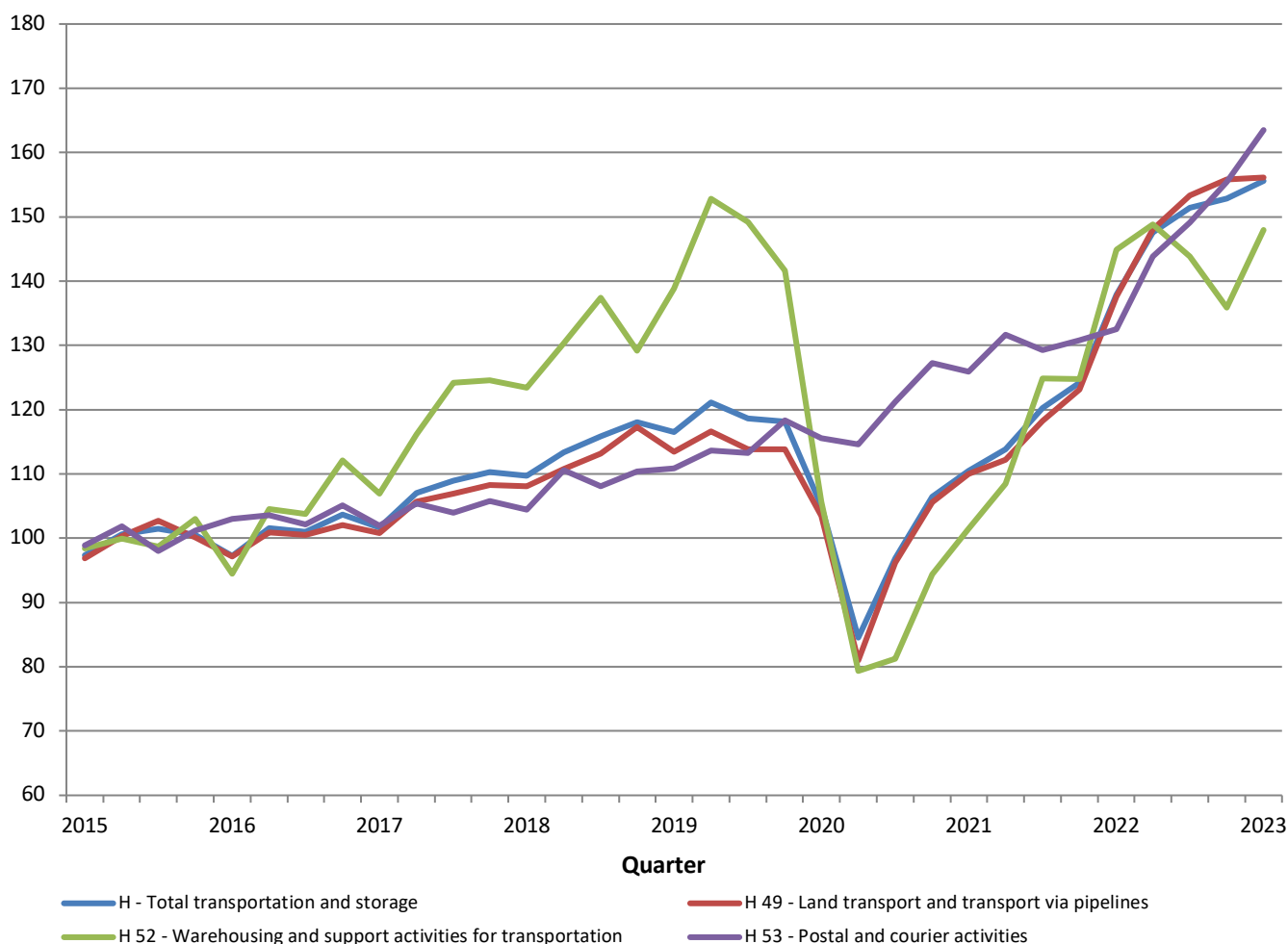
## BUSINESS STATISTICS

### TRANSPORTATION AND STORAGE TURNOVER INDICES IN BIH, I QUARTER 2023.

The total seasonally adjusted turnover of transportation and storage in the first quarter of 2023 recorded a turnover growth of 1.8% compared to the fourth quarter of 2022. Growth in traffic was recorded in the areas of land transport and pipeline transport of 0.2%, storage and auxiliary activities in transport in the amount of 8.9%, and in postal and courier activities in the amount of 5.2%.

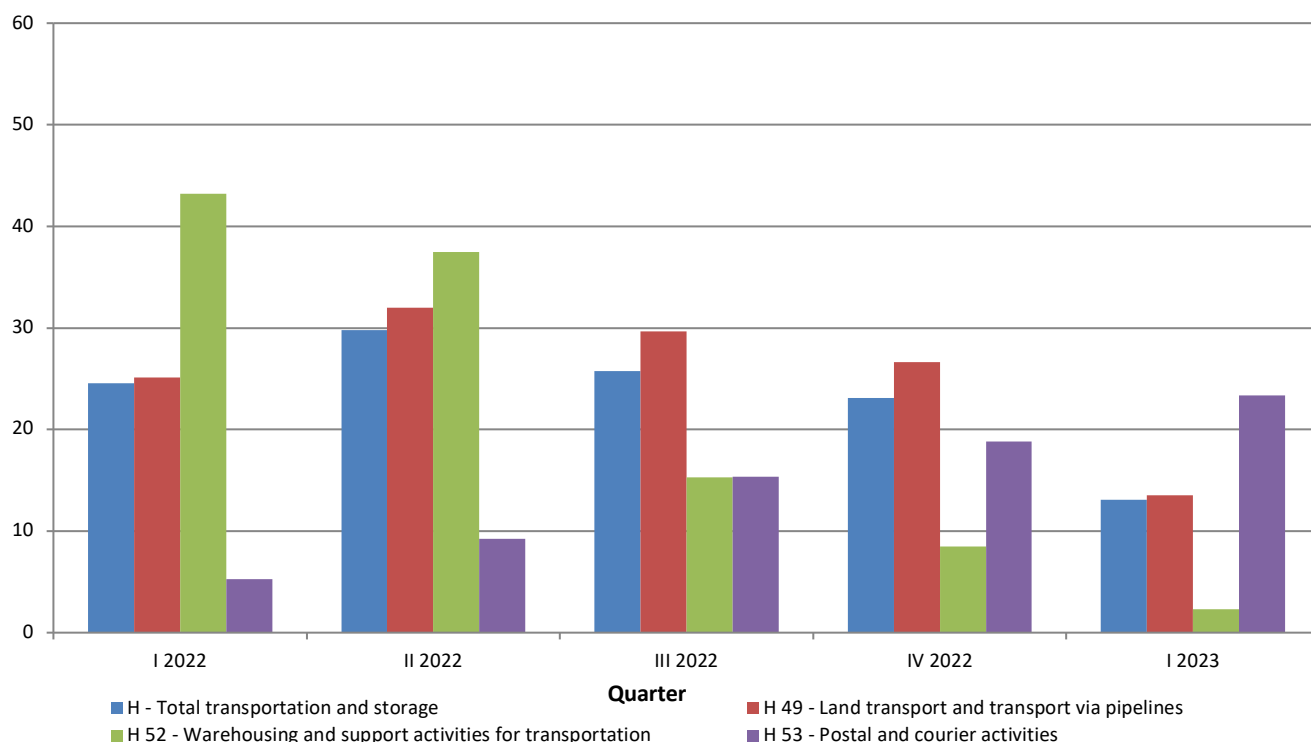
The seasonally adjusted index of transport and storage turnover in the first quarter of 2023 achieved a growth of 55.6% compared to the base (2015) year. Growth in the turnover index was achieved in the areas of land transport and pipeline transport by 56.1%, postal and courier activities by 63.5% and in the area of storage and auxiliary activities in transport in the amount of 48.0% compared to the base (2015) year.

Indices of transportation and storage turnover, seasonally adjusted series, BiH



The total turnover of transportation and storage, working days adjusted data, in the first quarter of 2023 achieved a growth of 13.1% compared to the same quarter of the previous year. Traffic growth was achieved in the areas of land transport and pipeline transport in the amount of 13.5%, postal and courier activities in the amount of 23.4%, and in the area of storage and auxiliary activities in transport in the amount of 2.3%.

**Indices of transportation and storage turnover, seasonally adjusted series, BiH**



In the structure of the realized transport and storage turnover (gross, non-adjusted data) in the first quarter of 2023, the largest share was achieved in the field of land transport and pipeline transport (74.4%), followed by postal and courier activities (12.9%), storage and auxiliary activities in transport (12.5%), and air transport (0.2%).

**Table 1: Transportation and storage turnover indices - gross (non-adjusted) series**

| Code<br>KD BiH<br>2010 | Activity- KD BiH 2010                                 | growth rates      |                  |                 | turnover indices<br>2015=100 |         |          |         |        |
|------------------------|---|-------------------|------------------|-----------------|------------------------------|---------|----------|---------|--------|
|                        |   | I 2023<br>IV 2022 | I 2023<br>I 2022 | I 2023<br>ø2022 | I 2022                       | II 2022 | III 2022 | IV 2022 | I 2023 |
| H                      | Total transportation and storage                      | -8,8              | 13,1             | -2,7            | 127,0                        | 148,9   | 156,8    | 157,4   | 143,6  |
| H49                    | Land transport and transport via pipelines            | -10,7             | 13,5             | -3,7            | 126,3                        | 150,9   | 157,7    | 160,6   | 143,4  |
| H50                    | Water transport                                       | -                 | -                | -               | -                            | -       | -        | -       | -      |
| H51                    | Air transport   | Z                 | Z                | Z               | Z                            | Z       | Z        | Z       | Z      |
| H52                    | Warehousing and support activities for transportation | -6,4              | 2,3              | -10,1           | 125,7                        | 146,3   | 162,6    | 137,4   | 128,6  |
| H53                    | Postal and courier activities                         | 1,6               | 23,4             | 13,5            | 133,6                        | 140,4   | 144,7    | 162,3   | 164,9  |

*\*data for previous period are revised*

**Table 2: Quarterly growth rates of other transportation and storage turnover calculated from value indices**

| Code<br>KD BiH<br>2010 | Activity- KD BiH 2010                                 | I 2022<br>IV 2021 | II 2022<br>I 2022 | III 2022<br>II 2022 | IV 2022<br>III 2022 | I 2023<br>IV 2022 |
|------------------------|---|-------------------|-------------------|---------------------|---------------------|-------------------|
| H                      | Total transportation and storage                      | 11,1              | 7,0               | 2,6                 | 1,0                 | 1,8               |
| H49                    | Land transport and transport via pipelines            | 11,7              | 7,6               | 3,6                 | 1,7                 | 0,2               |
| H50                    | Water transportation                                  | -                 | -                 | -                   | -                   | -                 |
| H51                    | Air transport   | Z                 | Z                 | Z                   | Z                   | Z                 |
| H52                    | Warehousing and support activities for transportation | 16,1              | 2,7               | -3,3                | -5,5                | 8,9               |
| H53                    | Postal and courier activities                         | 1,3               | 8,5               | 3,7                 | 4,2                 | 5,2               |

*\*seasonally adjusted data*

*\*data for previous period are revised*

**Table 3: Annual growth rates of other transportation and storage turnover calculated from value indices**

| Code<br>KD BiH<br>2010 | Activity- KD BiH 2010                                 | I 2022<br>I 2021 | II 2022<br>II 2021 | III 2022<br>III 2021 | IV 2022<br>IV 2021 | I 2023<br>I 2022 |
|------------------------|---|------------------|--------------------|----------------------|--------------------|------------------|
| H                      | Total transportation and storage                      | 24,5             | 29,8               | 25,8                 | 23,1               | 13,1             |
| H49                    | Land transport and transport via pipelines            | 25,1             | 32,0               | 29,7                 | 26,6               | 13,5             |
| H50                    | Water transportation                                  | -                | -                  | -                    | -                  | -                |
| H51                    | Air transport   | Z                | Z                  | Z                    | Z                  | Z                |
| H52                    | Warehousing and support activities for transportation | 43,2             | 37,4               | 15,3                 | 8,5                | 2,3              |
| H53                    | Postal and courier activities                         | 5,2              | 9,2                | 15,4                 | 18,8               | 23,4             |

*\*working day adjusted data*

*\*data for previous period are revised*

**Table 4: Quarterly value indices of transportation and storage turnover, 2015=100**

| Code<br>KD BiH<br>2010 | Activity- KD BiH 2010                                 | 2022  |       |       |       | 2022  |
|------------------------|---|-------|-------|-------|-------|-------|
|                        |   | I     | II    | III   | IV    | I     |
| H                      | Total transportation and storage                      | 137,9 | 147,5 | 151,4 | 152,9 | 155,6 |
| H49                    | Land transport and transport via pipelines            | 137,6 | 148,1 | 153,3 | 155,9 | 156,1 |
| H50                    | Water transportation                                  | -     | -     | -     | -     | -     |
| H51                    | Air transport   | Z     | Z     | Z     | Z     | Z     |
| H52                    | Warehousing and support activities for transportation | 144,9 | 148,8 | 143,8 | 135,9 | 148,0 |
| H53                    | Postal and courier activities                         | 132,5 | 143,9 | 149,1 | 155,4 | 163,5 |

**Appendix: Extract from Classification of Activities KD BiH 2010**

| Code<br>KD BiH<br>2010 | Activity- KD BiH 2010  |
|------------------------|--|
| <b>H</b>               | <b>TRANSPORTATION AND STORAGE</b>                            |
| <b>49</b>              | <b>Land transport and transport via pipelines</b>            |
| 49.1                   | Passenger rail transport, interurban                         |
| 49.2                   | Freight rail transport                                       |
| 49.3                   | Other passenger land transport                               |
| 49.4                   | Freight transport by road and removal services               |
| 49.5                   | Transport via pipeline                                       |
| <b>50</b>              | <b>Water transport</b>                                       |
| 50.1                   | Sea and coastal passenger water transport                    |
| 50.2                   | Sea and coastal freight water transport                      |
| 50.3                   | Inland passenger water transport                             |
| 50.4                   | Inland freight water transport                               |
| <b>51</b>              | <b>Air transport</b>   |
| 51.1                   | Passenger air transport                                      |
| 51.2                   | Freight air transport  |
| <b>52</b>              | <b>Warehousing and support activities for transportation</b> |
| 52.1                   | Warehousing and storage                                      |
| 52.2                   | Support activities for transportation                        |
| <b>53</b>              | <b>Postal and courier activities</b>                         |
| 53.1                   | Postal activities under universal service obligation         |
| 53.2                   | Other postal and courier activities                          |

## METHODOLOGY NOTES

### Aim of survey

Primary goal of transportation and storage turnover statistics is to provide timely information on change of level of realized turnover and other relevant indicators. Transportation and storage turnover index is one of the indicators of economic activity in the country, which helps government bodies, and private sector enterprises in the decision-making process. It is also applied for the estimation of service sector output, household consumption, as well as in the calculation of national accounts. Survey methodology is completely harmonized with the one prescribed by Council Regulation (EC) No.1165/98 concerning short-term statistics from the 1998 (Annex D) and its amendments (hereinafter EU STS regulation) and with Eurostat recommendations for this statistical area.

### Coverage

The survey comprises business entities/legal units, which are, by the main activity, registered within transportation and storage activities (section H). For the purpose of the survey, Classification of Activities in Bosnia and Herzegovina - KD BiH 2010 was used, and it is fully compliant with the European Classification of Economic Activities - NACE Rev. 2. Survey covers the entire territory of Bosnia and Herzegovina. Entrepreneurs are not included.

### Sample design

In conducting survey on transportation and storage turnover in BiH the combined method of full coverage and stratified random sampling is used. The sample is divided into strata according to class of financial data (financial report of the previous year) and the activity of business entity (49, 50, 51, 52, 53). As an additional stratification variable, the number of employees is used. The chosen sample for transportation and storage in 2021 is representative at the level of Bosnia and Herzegovina and at the level of the Federation of BiH, Republic of Srpska and District Brčko.

### Data collection and processing

In conducting the survey, the three statistical institutions in BiH participate. The main observation variable is quarterly turnover of business entity, excluding VAT, which is in accordance with EU-STS regulation separately stated. Data collected from the reporting units, using the forms K KPS TRANS 01 (divisions 49, 50, 51, 52) and K KPS USL 01 (for division H53 Postal Activities) are the basis for the evaluation data for the total population. Aggregation of turnover at higher levels (division, section or special aggregates) of activity is carried out prior to the compilation of indices.

Series of quarterly turnover data for division H53, from 2010 to 2013, are obtained by the combination of data from administrative sources and other statistical surveys. In the recalculation of historical series of data, overlapping method was used. In parallel with regular quarterly survey on transportation and storage turnover, conducted from 2015, data for reference quarters of 2014 are collected for division H53.

### Index compilation

The transport and storage turnover index in BiH is expressed in nominal values and is calculated in relation to the new base (2015) year, which is applied in the calculation of the index from the first quarter of 2018. EU Regulation (EC) No. 472/2008 prescribes the application of the base year from January 2018 in EU member states. The turnover index is expressed in current prices (the impact of price changes has not been eliminated).

### Seasonal and working day adjustment of index

Statistical institutions in BiH, considering data dissemination in the EU, are publishing indices in the following forms:

- original (unadjusted) indices,
- seasonally adjusted indices – (SA – seasonally adjusted) and
- calendar adjusted indices (WDA- working-day adjusted)

Since the seasonally and calendar adjusted indices are far more significant and representative for the users of statistical data, they are listed in tabular form.

Seasonal adjustment means that the data are adjusted for seasonal influences and calendar days. Quarterly indices and growth rates are, according to Eurostat's recommendations, presented and interpreted in seasonally adjusted form. Calendar adjustment implies that the data are adjusted for the impact of calendar and workdays. The data that are compared with the data from the same period of the previous year are presented and interpreted in the calendar-adjusted form of an index or growth rate. When these calendar effects significantly affect the observed time series, it is necessary to remove them.

Calendar and seasonal adjustments are performed in the JDemetra + application (version 2.2.1) using the TRAMO-SEATS method on the original quarterly data series in accordance with Eurostat guidelines. Due to the nature of the applied adjustment method, adding new observations may result in certain changes to an earlier series of already published seasonally and calendar-adjusted indices.

## Data dissemination

Results of the survey are expressed in the form of indices and growth rates and since 2012 are published on a regular quarterly basis in the form of press releases on the website of the Agency for Statistics of BiH ([www.bhas.ba](http://www.bhas.ba)). In the period from 2012 to 2017 results of the survey were published without division H53. In addition, in that period, seasonal and working day adjustment was not done. Since the first quarter of 2017 results of the survey are seasonally and calendar-adjusted and include division H53. The presentation and interpretation of the index is completely in line with those prescribed by EU-STS regulation allowing national and international users to compare the BiH transportation and storage index with indices of other countries.

## Data revision

Regular press releases on transportation and storage turnover indices are published in the quarterly dynamics and contain preliminary data. Data revision implies that the data for the previous quarter (t-1) are revised in accordance with new information, and it is possible that the data published after revision differ from previously published, preliminary data. In the press release is clearly stated on which data are used so that users of statistical data can properly interpret them. For any change of the data and the reasons for doing that, users will be informed in an appropriate and transparent manner, in regular quarterly press releases and other publications for the public as well as on the website of the Agency for Statistics of BiH.

## Definitions

**Turnover** is the total invoiced amount that a business entity invoice to third parties for goods sold or service provided during the reference period, and it corresponds to the market value. Includes costs associated with the sale, transferred to the customer, even if these amounts are stated separately on invoices. Value Added Tax (VAT) is excluded from the turnover, as well as other similar deductible taxes directly linked to turnover as well as all duties and taxes on the goods or services invoiced by the unit. Reduction in prices, rebates and discounts must be deducted. Price reductions, rebates and bonuses conceded later to clients, for example at the end of the year, are not considered. Income classified as other operating income, financial income and extraordinary income in company accounts is excluded from turnover.

## Abbreviations

EU- European Union

Eurostat- Statistical Office of the European Communities

KD BiH 2010- Classification of activities of Bosnia and Herzegovina 2010

NACE Rev.2- European Classification of economic Activities

SBR- Statistical Business Register

STS – Short Term Business Statistics

z- data are not published due to confidentiality reasons

- no occurrence

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