

Prices of transport

I. Definition and content

The internal freight transport price index is calculated from average contractual (realization) prices, exclusive of value-added tax.

II. Sources and methodology of ascertainment

The prices are ascertained by the Czech Statistical Office in selected reporting units on the statements - Transport prices - Rail transport 1-12, Transport prices - Road transport 1-12, Transport prices - Conduit transport 1-12, Transport prices - River transport 1-12 and Transport prices - Air transport 1-12.

The prices are monitored through constant representatives and their constant hauling distances.

The price indices for the individual sections of transport are calculated separately. The conduit transport index contains data for the transport of crude oil and natural gas.

The methodology of monitoring contractual prices on railways differs from the other types of freight transport, because law imposes upon Czech Railways a duty to declare a "Tariff of Prices for the Transport of Carloads". The prices mentioned in the Tariff serve as offering prices in the negotiation of contractual prices. If the railways do not agree with the carrier on a price other than the offering price, the offering price is considered as the contractual price.

III. Break-down

The indices published in the database are the following:

Period: 1994 - 2000

a) December 1993 = 100

b) same period of last year = 100

c) previous month = 100

d) 1994 average = 100

Period: 2001 - 2005

December 1999 = 100

same period of last year = 100

previous month = 100

2000 average = 100

The total internal freight transport price index comprises the indices for the following types of transport:

- road transport
- conduit transport
- river transport
- air transport.

IV. Method of calculation

The indices of internal freight transport are calculated as selection indices, i.e. from the prices of selected representatives.

The individual indices of the prices of the representatives are aggregated into total indices for the individual sections of transport.

The average prices of transport performances (falling within Sections 60-62 of SPK - Standard Classification of Production), are calculated as a non-weighted arithmetical average of the prices obtained from the individual carriers.

The calculation of the total indices is carried out according to a Laspeyres-type formula:

$$I = \frac{\sum \frac{p_1}{p_0} \cdot p_0 \cdot q_0}{\sum p_0 \cdot q_0} \cdot 100$$

p_1 - price in the period under review

p_0 - price in the basic period

p_0q_0 - constant weight - value indicator of the basic period (revenues in the year 1993 or 1999)

A constant weighting pattern is designed for the calculation of the total price indices. This weighting pattern is determined on the basis of the structure of revenues for the year 1993 or 1999. The basic price period is December 1993 or December 1999.

V. Change in methodology

- Revisions of the price indices were carried out with the determination of the following years as the basic, "zero", years:
 - 1993
 - 1999
- Apart from the revisions, no significant changes are carried out.

VI. Reporting entities

The reporting entities are selected organizations operating in the area of internal freight transport.