

Producer Price Index:

Methods and Sources Manual

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Chapter 1: Introduction to the South African Producer Price Index (PPI)

1.1 Background on price indices

Four of the principal price indices in the system of economic statistics—the PPI, the Consumer Price Index (CPI), and the Export and Import unit value (price) indices—are well known and closely watched indicators of macroeconomic performance. They are direct indicators of the purchasing power of money in various types of transaction and other flows involving goods and services. As such, they are also used to deflate nominal measures of goods and services produced, consumed, and traded to provide measures of volumes.

The IMF's PPI manual (2004) identifies 10 steps to design, construct, disseminate, and maintain a producer price index. These are:

- 1. Determining the objectives, scope, and conceptual basis of the index;
- 2. Deciding on the index coverage and classification structure;
- 3. Deriving the weighting pattern;
- 4. Designing the sample;
- 5. Collecting and editing the prices;
- 6. Adjusting for changes in quality;
- 7. Calculating the index;
- 8. Disseminating the index;
- 9. Maintaining samples of businesses and product specifications; and
- 10. Reviewing and reweighting the index.

This manual will cover steps one to five, seven, nine, and ten.

1.2 Definition of the PPI

The PPI indicates changes in producer prices of locally produced commodities including exports. The PPI is defined as "A measure of the change in the prices of goods either as they leave their place of production or as they enter the production process" (OECD, 2006).

1.3 Uses of the PPI

PPIs are used for a variety of different purposes. There has always been substantial interest in, and demand for, price indices from the private sector, the public sector, the general public, and international agencies. The PPI may be used for

- ⇒ A short-term indicator of inflationary trends The monthly PPI with detailed product and industry data allows short-term price inflation to be monitored through different stages of production.
- ⇒ Contract price adjustments The purpose of using the PPI for indexing long-term contracts to take the inflationary risk out of the contract.
- ⇒ A deflator in the compilation of national accounts a fundamental use of the PPI is as a deflator in the national accounts. Therefore, the concepts underlying the PPI are often conditioned by those underlying the national accounts.

Chapter 2: Types of producer price indices

2.1 Overview

The aggregation of the PPI may take various forms; the South African PPI uses the stages of production approach. With this concept, each commodity is allocated to the stage in which it is used.

Alternatives are the stage of processing, net output price indices per industry, PPI for the country or region, etc. The selection of the aggregation method depends on the intended uses of the PPI.

2.1.1 Stages-of-production

For this approach each commodity is allocated to the stage in which it is used. A product is included in each stage to which it contributes, and not assigned solely to one stage (OECD, 2006). The classification of products to the different stages is usually achieved by reference to input-output (I/O) tables in order to avoid multiple counting of the stages that are not aggregated.

This type of PPI has two types of indices. Output indices measure the change in price of products sold as output for final consumption by domestic producers, while input indices concern intermediate products used as inputs in the production process.

Both PPI output and input indices show changes in prices before the addition of deductible taxes on products such as VAT. This is similar to an ex-factory price or the revenue actually received by a producer.

2.2 Aggregation of the South African PPI

When selecting an aggregation type, a number of questions are required to be taken into consideration. The OECD (Maitland-Smith, 2000: 3) sets the following list as a guideline to the selection of aggregation type:

- a) Will the PPIs be used for deflation of outputs (and inputs?), and/or as a measure of inflation?
- b) Assuming that a choice has to be made, are industry PPIs of higher priority than product PPIs or vice versa?
- c) Which industries and products should be covered? At what level of detail?
- d) Will separate indices be compiled for export and domestic market prices?
- e) Which prices are we trying to measure? Producer prices, wholesale prices?
- f) What will the geographical coverage be? National, regional?

g) Monthly or quarterly time series?

With the analysis of these guidelines, the level of aggregation most suited to the South African PPI is the stages-of-production approach. The decision rests on the fact that although the PPI is a key inflation indicator, it is also used for deflation of the national accounts. The approach of the PPI gives a value-chain perspective on the level of inputs and outputs, and eliminates double counting.

The tables published in the current PPI include industry (divided into input and output) and product information. Industry tables available are:

Table 1: Industry tables

Industry	Input	Output
Agriculture, forestry and fishing		Х
Mining		Х
Manufacturing	Х	Х
Electricity and water		Х

Appendix A (page 26) gives the Input and Output 3-digit group CPC for each of the higher-level industries.

Chapter 3: Classification

3.1 Background

The PPI uses two classification systems, the Central Product Classification (CPC) and Standard Industrial Classification (SIC) systems. As the name suggests, the CPC is used to identify and aggregate products. The CPC is a classification based on the physical characteristics of goods or on the nature of the services rendered. Each type of good or service distinguished in the CPC is defined in such a way that it is normally produced by only one activity as defined in ISIC, the International Standard Industrial Classification of All Economic Activities - this classification is the international standard for the classification of productive economic activities. Its main purpose is to provide a standard set of economic activities so that entities can be classified according to the activity they carry out.

The CPC covers products that are an output of economic activities, including transportable goods, non-transportable goods and services (OECD, 2006).

It is a 5-digit classification system, consisting of:

- ⇒ Sections one digit code;
- ⇒ Divisions two-digit code;
- ⇒ Groups three-digit code;
- ⇒ Classes four-digit code;
- ⇒ Subclasses five-digit code.

Each product grouping is then assigned an industry classification according to SIC, which classifies the different industries. Standard Industrial Classification version 5 (SIC v5) and Central Product Classification version 2 (CPC v2.1) are used in the PPI.

3.2 The structure of classification of the South African PPI

The structure of the PPI is made up of 1-digit, 2-digit, 3-digit, 4-digit, 5-digit and 9-digit classification levels (within CPC), where the 9-digit code is an indicator product or elementary index attached to a weight.

For example, Table 2 shows the hierarchy of product description for the prices of products commonly referred to as "motor vehicles".

Table 2: Central Product Classification (CPC) hierarchy

Product hierarchy		Product description				
CPC Section	4	Metal products, machinery and equipment				
CPC Division	49	Transport equipment				
CPC Group	491	Motor vehicles, trailers and semi-trailers; parts and accessories thereof				
CPC Class	4911	Motor vehicles				
CPC Sub-class	49113	Motor cars and other motor vehicles principally designed for the transport of persons				
Indicator product (for sub-class 49113)	491130001	Passenger Vehicles				
Sampled product (for 491130001(1) Volkswagen Polo 1.6 Trend-line						
indicator product 491130001)	491130001 (2)	Volkswagen Jetta 2.0 TSI Highline				

Indicator products:

In order to collect prices, CPC sub-classes need to be divided into meaningful groups called indicator products, which represent the elementary indices of the PPI. These are typical groupings of products at a lower level than the CPC sub-class. Indicator products are chosen in a manner that will ensure that they represent the majority of the output of the sub-class they represent. These groupings are sourced from industry associations or data from Stats SA industry surveys, such as the Manufacturing Large Sample Survey (LSS). According to the IMF PPI Manual (2004) some key concepts underlie the construction of elementary indices:

- ⇒ Elementary aggregates should be fairly homogeneous.
- ⇒ They should also consist of products that may be expected to have similar price movements, minimising a wide dispersion of price changes.
- ⇒ The elementary aggregates should be appropriate to serve as strata for sampling purposes for data collection.

Sampled products:

Sampled products are the actual products that are priced in the PPI process. Each sampled product will be priced consistently over time to ensure comparability. Sampled products are chosen in a manner that will ensure that their price movements reflect the price movements of the indicator product that they represent. The specific products are sourced from dominant role-players or data from Stats SA industry surveys.

Chapter 4: Weighting sources and derivation

4.1 Industry weights

"The value aggregate from the national accounts framework that aligns with the basic price received by the producer of goods and services is the value of production" (IMF, 2004). In other words, the value-added from the national accounts lays the basis of the industry weighting structure in the PPI.

Some industries and products will be of little importance in terms of their share of total production. For example, an industry that represents less than 0,1 per cent of production within the industrial or service sectors could be excluded from the sample. In such cases, the output for the industry that is excluded should be distributed across those that were selected, or it should be assigned to a closely related industry. It may also be possible to make meaningful combinations of smaller industries producing related products that meet the criteria for minimum sizes. A similar procedure would also be applied to products that are insignificant. In either case, the weight for the non-sampled component needs to be included somewhere in the weighting structure.

4.2 Product weights

The primary sources of weight information for the PPI are business- or establishment-based censuses, the national accounts, annual industry surveys, and business registers. The criterion for use is the level of detail available. In some instances additional data is required to supplement the primary source, in order to select indicator products. These include administrative sources, association surveys, retail and wholesale surveys and customs data. The South African PPI makes use of the National Accounts, Large Sample Surveys (LSS), administrative sources as well as external association data.

The PPI manufacturing product weights and basket were updated using the 2017 Large Sample Survey, published in 2019. These changes were implemented with effect from the January 2021 PPI release.

Table 3: Sources of weights at product level

Industry	Industry-level weights	Product-level weights		
Agriculture, forestry and fishing	National Accounts 2018	Department of agriculture, land		
		reform and rural development		
		(2019/20).		
		Ocean (marine) fisheries and		
		related services industry (2019).		
		Statistics South Africa.		
		Forestry: Report on Commercial		
		Timber Resources and Primary		
		Roundwood Processing in South		
		Africa (2018/19). Department of		
		Agriculture, Forestry and Fisheries.		
Mining	National Accounts 2018	South African Mining Industry Annual		
		Commodity Summary (2020)		
		Department of Mineral Resources and		
		energy.		
Manufacturing	National Accounts 2018	Large Sample Survey (2017).		
		Statistics South Africa.		
Electricity and water	National Accounts 2018	Water: Department of water and		
		sanitation (2019/20).		

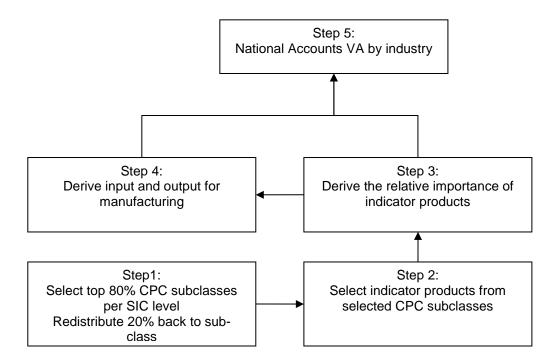
4.3 PPI weight selection

All higher-level weights are based on gross value added (national accounts) at a SIC 4-digit level obtained from the supply and use tables. These tables are also used to determine which categories of products belong to the input or output indices.

Within each SIC 4-digit industry, total sales values in a group are used for the selection of the relevant CPC 5-digit sub-class level. Only those falling into the top 80 cumulative percentage of the group are selected. This ensures that at least 80% of groups are covered in the basket of the PPI and insignificant groups are excluded from the PPI.

Indicator product selection is done on either industry product share data or LSS detailed 8-digit data.

Derivation of weights:



4.4 Review of the PPI weights

The PPI value-added weights are reviewed and updated on an annual basis. This implies that the index will be reweighted and chain-linked every year in the January statistical release. In addition to the update of the higher-level weighting, the product proportions within the PPI are investigated (from external and official sources) during the year, so that appropriate changes may be made to the indicator product or subclass level.

Every three years, with the release of a new Manufacturing LSS, all the detailed product proportions as well as the value-added industry weights for the PPI are reviewed, and all weights are adjusted to reflect the most current economic conditions.

For Mining and Agriculture, forestry and fishing the detailed products as well as lower-level proportions are reviewed and updated on an annual basis¹.

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¹ Dependent on availability

Chapter 5: Basket of goods

5.1 Introduction

The basket is a list of specific goods, which forms the sample for price collection in the PPI.

The National Accounts value-added estimates as well as Stats SA industry surveys and external industry information guides the PPI on the selection of indicator products to be included in the basket.

5.2 Selection criteria for basket of goods

All industries with a high relative importance in the national accounts at the 3- and 4-digit SIC group level are included in the PPI. Based on national accounts data, all goods are classified as either intermediate or final manufactured goods.

Furthermore, for the selection of the 5-digit sub-class level, sales values in relation to total sales in a group are used. For a 5-digit sub-class to be included in the basket, it should fall into the top 80 cumulative percentage of its group. This ensures that at least 80% of groups are covered in the basket of the PPI and insignificant groups are excluded from the PPI.

Indicator product selection is done on either industry product share data or LSS detailed 8-digit data.

5.3 The number of products in the basket

The total number of indicator products in the basket is 278. Refer to Appendix B (page 29) for the complete basket of products in the PPI.

Chapter 6: Sampling

6.1 Introduction

There are two types of sampling in the PPI: sampling of businesses and sampling of sampled products per indicator product.

6.2 Selection of businesses (respondents)

Records from various LSS industry surveys as well as the Stats SA Business Sampling Frame (BSF) form the basis for the PPI sampling frame. Other frame sources include industry association information, where this data is cross-referenced with that of LSS industry surveys to sample the businesses with the highest turnover to represent the selected industries, and more specifically products. The top 80% of businesses within an industry that produce a certain product are selected.

6.3 Selection of a sampled product from the respondent

When selecting sampled products from a company, the price collector has to ensure that the selected ones are the volume sellers, in other words the products for which the highest volumes and/or turnover are obtained. In this process, item and transaction characteristics are important as they are both relevant to the price of a product.

The item characteristics include, for example (Maitland-Smith, 2000: 9):

- ⇒ Type of product
- ⇒ Brand name or model number
- ⇒ Main price determining characteristics, size, weight, power, etc.

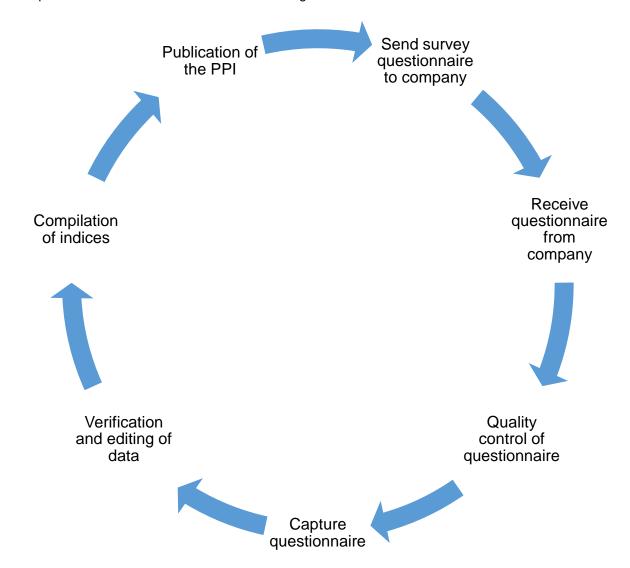
The transaction characteristics include, for example (Maitland-Smith, 2000: 10):

- ⇒ Type of buyer: exporter, wholesaler, retailer, manufacturer, government
- ⇒ Type of contract: single/multiple deliveries, orders, one year, agreed volume
- ⇒ Unit of measure per unit: metre, kilogram etc.
- ⇒ Delivery basis: free on board, sale with/without delivery to customer
- ⇒ Type of price: average, list, free on board, net of discount
- ⇒ Type of discount: seasonal, volume, cash, competitive, trade

Chapter 7: Data collection and processing (includes editing and data quality evaluation)

7.1 Introduction

The process flow of the PPI takes on the following form:



7.2 Collection period and frequency

When collecting prices for a particular period, there are two basic choices of collection period: point-in-time and period averages.

Point-in-time prices relate to the price of a product on a particular date in the month, whereas period prices are an estimate of the price across the month and so are average prices for the month. The pros and cons of each method are summarised in the table below (IMF, 2004: 121).

Table 4: Point-in-time and period prices

Method	Pros	Cons
Point-in-time	Consistency in month-to-month changes in price	 A transaction may not have taken place on the specified date More susceptible to short-term external influences (for example, extreme weather conditions, labour stoppages) that could affect the price on the particular day of price collection Miss short-term prices changes, between collection dates
Period prices	 Yields a smoother time series Less susceptible to timing of price increases 	 The index will be less timely when compared with point-in-time estimates, since the average cannot be calculated until the end of the period Average prices should relate to a narrowly defined product of constant quality, rather than a broad commodity group

The South African PPI uses mostly the point-in-time approach, and prices are collected on a monthly basis. The majority of prices are collected for the first seven days of the month (to ensure consistency in the final index, the price observation should compare like with like for each period). Period prices are used for electricity, agriculture and mining products.

7.3 Type of prices collected

A PPI measures changes in the prices received by domestic producers for their outputs or the change in the prices paid by domestic producers for their intermediate inputs. These prices are commonly referred to as transaction prices and include all discounts or rebates given.

7.4 Processing and data validation

Once the questionnaires are received from the companies, the questionnaires are quality controlled to ensure that all fields were completed, and that each questionnaire was completed accurately. Thereafter, the questionnaire is captured and the data validated and edited if required.

Verification includes logical, range, variance and consistency checks (OECD, 2006).

- ⇒ Validation edits to check the validity of basic identification of classificatory items in unit data.
- ⇒ Logical edits ensure that two or more data items do not have contradictory values.

- ⇒ Consistency edits check to ensure that precise and correct arithmetic relationships exist between two or more data items.
- ⇒ Range edits identify whether or not a data item value falls inside a determined acceptable range.
- ⇒ Variance edits look for suspiciously high variances at the output edit stage.

Chapter 8: Imputations in the PPI

The PPI and CPI follow the same methods when imputing for missing prices. There are three methods that the IMF PPI and ILO CPI manual prescribe and give guidelines on. These are:

- ⇒ Omit the item for which the price is missing so that a matched sample is maintained (like is compared with like) even though the sample is depleted
- ⇒ Carry forward the last observed price
- ⇒ Estimation:
 - Estimate the missing price by the average price change of the prices that are available in the elementary aggregate.
 - Estimate the missing price by the price change for a particular comparable product from a similar establishment.

Stats SA uses all three methods of imputation in the calculation of the PPI. The choice of method is determined by the level of aggregation of a particular index and the frequency of price collection for a particular product.

The matched sample approach is used when one observation in a sample for an elementary aggregate is temporarily unavailable. For example, if the PPI collects data for 10 types of shirt and one of those is temporality unavailable, the average price change is calculated using the remaining nine. In this way, the assumption is that the price would have moved in the same way as the average of the prices of the items that remain included in the elementary index. This type of imputation is applied at the lowest level of index calculation/aggregation, at the elementary index level.

The carry-forward approach is strictly confined to annual, bi-annual, quarterly and other infrequent surveys (it is not applied to data collected monthly). In the case of these periodic changes, it is legitimate to infer that the prices should remain constant during the months in which they are not surveyed. This type of imputation is applied at the lowest level of calculation/aggregation, at the elementary index level.

Estimation Imputation by average price change is only considered once there is no data available to calculate an average percentage change for a specific indicator product. The lack of data could be attributed to various causes, for example seasonal behaviour, shortage in the market. If data for a specific indicator product is missing, it is imputed using a similar product or group of products. An alternative to average price change at elementary index level is to use price change for a particular comparable product or specific comparable product from (a) similar establishment(s).

Chapter 9: Index calculation

9.1 Overview

The calculation of price indices is usually conducted in two stages. First, price indices are calculated for the elementary aggregates. Second, these elementary price indices are averaged to obtain higher-level indices using the relative sales values of the elementary aggregates as weights.

9.2 Elementary indices

In the first stage, elementary aggregates are constructed by grouping individual goods into relatively homogeneous products and transactions. They may be formed for products in various regions of the country or for the country as a whole, or for establishments. In other words, compilers of the PPI have to select representative products within an elementary aggregate and then collect a sample of each of the representative products, usually from a sample of different producers. The individual representative products for which prices are actually collected are described as the sampled products.

For elementary index compilation, the Jevons formula is used. A Jevons index is defined as the unweighted geometric mean of the price ratios (pt/pt-1), which is identical to the ratio of the unweighted geometric mean of (matched) prices.

The formula is given as:

$$P_J^{0:t} = \prod \left(\frac{p_i^t}{p_i^0}\right)^{1/n} = \frac{\prod \left(p_i^t\right)^{1/n}}{\prod \left(p_i^0\right)^{1/n}}$$

The chained monthly indices link together the month-to-month changes through successive multiplication. The Jevons formula is transitive as the chained monthly indices are identical to the corresponding direct indices which compare prices in each successive month directly with those of the reference month.

9.3 High-level indices

The second stage of calculating the PPI does not involve individual prices or quantities. Instead, a higher-level index is calculated as a Young index in which the elementary price indices are averaged using a set of predetermined weights. The formula can be written as follows:

$$I^{0:t} = \sum w_i^b I_i^{0:t}, \sum w_i^b = 1$$

where

 $I^{0:t}$ denotes the overall PPI, or any high-level index, from period 0 to t;

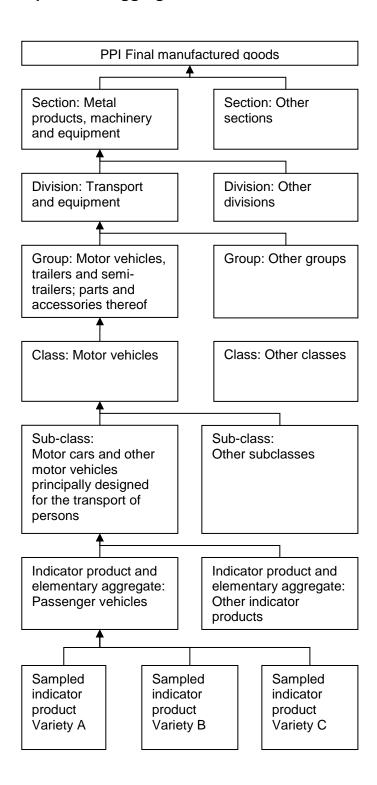
 w_i^b is the weight attached to each of the elementary price indices; and

 $I_i^{0:t}$ is the corresponding elementary price index.

The elementary indices are identified by the subscript i whereas the higher-level index carries no subscript. The weights are derived in period b which in practice has to precede period 0, the price reference period.

The most important aspect of index compilation is consistency. Consistency in aggregation means that if an index is calculated stepwise by aggregating lower-level indices to obtain indices at progressively higher levels of aggregation, the same overall result should be obtained as if the calculation had been made in one step.

9.4 Graphical example of the aggregation structure of the PPI²



² Weighting occurs in one step in the PPI. For example, if a motor vehicle index is published, all items under motor vehicles will be normalised to unity and weighted. If the final manufactured goods index is calculated, then all items under manufacturing are weighted. Two or more subindices are not used to aggregate a higher-level index.

9.5 Linking of the PPI

The PPI high-level weights as well as certain elementary index weights are updated annually. When new weights are introduced, the price reference period for the new index can be the last period of the old index, the old and the new indices being linked together at this point. The old and the new indices constitute a linked index.

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The introduction of new weights is often a complex operation because it provides an opportunity to introduce new items, new samples, new data sources, new compilation practices, new elementary aggregates, new higher-level indices or new classifications. These tasks are often undertaken simultaneously at the time of reweighting to minimise overall disruption to the time series and any resulting inconvenience to users of the indices.

Annual chaining has the advantage that changes (such as the inclusion of new goods) can be introduced on a regular basis, although every index needs some ongoing maintenance, whether annually chained or not.

9.5.1 Features of a linked index

There are several important features of a linked index:

- The linked index formula allows weights to be updated, and facilitates the introduction of new items and sub-indices and the removal of obsolete ones.
- In order to be able to link the old and the new series, an overlapping period (k) is needed in which the index has to be calculated using both the old and the new set of weights.
- A linked index may have two or more links. Between each link period, the index may be
 calculated as a fixed weight index using any index number formula. The link period may be a
 month or a year, provided the weights and indices refer to the same period.
- Linking is intended to ensure that the individual indices on all levels show the correct development through time.
- Linking leads to non-additivity. When the new series is chained onto the old one the higher-level indices after the link cannot be obtained as weighted arithmetic averages of individual indices using the new weights. If, on the other hand, the index reference period is changed and the index series prior to the link period is rescaled to the new index reference period, this series cannot be aggregated to higher-level indices by use of the new weights.

9.5.2 Method of linking the PPI

The method used to link the PPI is known as splicing and chaining. When weights are updated which reflect the latest production patterns, a new series is created. Consequently, two series exist, the old and the new. However, as with all price statistics, a continuous series is required. To accomplish this, the splicing technique is applied; this means that to make the new index comparable to the old, the indices are spliced at a period that is common to both series.

Chaining occurs when the spliced index change is multiplied to the end index of the old index to obtain a continuous series.

The process followed for the PPI update in January 2021 is as follows (see example in Table 5).

- 1. Calculate the 2020 publication-level indices based on the 2020 weights.
- Calculate the December 2020 and January 2021 publication-level indices based on the 2021 weights3
- Calculate the ratio between indices (from step 2) between January 2021 and December 2020 (i.e. the ratio January 2021 / December 2020).
- Apply the ratio calculated (from step 3) to the published aggregates to obtain the index for January 20214
- The following month the same procedure will be followed. 5.

It should be noted that when the reweighting coincides with a review of the basket, all indices will be reweighted to the last available December, in the present case December 2020. Since all elementary (lowest level) indices equal 100 in December 2020, all aggregations using the new weights also equal 100 in December 2020.

³ Steps 3 and 4 are splicing

⁴ Step 5 is chaining

Table 5: Example – Linking and splicing the index

EXAMPLE	Weight 2020	Weight 2021	Jan 2020	Nov 2020	Old index Dec 2020	New index Dec 2020	Jan 2021
Elementary price indices							
Cattle	12,31	11,30	112,3	123,7	125,4		
Pigs	2,02	1,95	97,3	118,8	123,0		
Poultry	15,34	15,20	90,3	108,5	110,8		
Sheep	2,57	2,31	114,0	136,9	142,4		
Eggs	3,98	3,63	101,0	106,9	109,2		
Raw milk	5,88	5,22	95,3	104,7	105,5		
Wool	1,67	1,68	130,5	115,4	113,4		
Elementary price indices rebased							
Cattle			89,6	98,7	100,0	100,0	99,4
Pigs			79,1	96,6	100,0	100,0	99,1
Poultry			82,0	97,9	100,0	100,0	97,4
Sheep			80,1	96,1	100,0	100,0	95,4
Eggs			92,5	97,9	100,0	100,0	101,0
Raw milk			90,3	99,3	100,0	100,0	106,7
Wool			115,0	101,8	100,0	100,0	108,8
Higher-level indices	Old					New	
Live animals = cattle+pigs +poultry+sheep	32,24	30,76	84,4	98,0	100,0	100,0	98,1
Milk and eggs = eggs+raw milk	9,86	8,85	91,2	98,7	100,0	100,0	104,4
Other animal products	1,67	1,68	90,3	99,3	100,0	100,0	108,8
Total	43,78	41,30	87,1	98,3	100,0	100,0	98,8
Chaining of higher-level indices to	Dec 2020	0=100				Ratios	
Live animals = cattle+pigs +poultry+sheep							0,981
Milk and eggs = eggs+raw milk Other animal products							1,044 1,088
Total							0,998
Chaining of higher-level indices to	Dec 2020	0=100					
Live animals = cattle+pigs +poultry+sheep	32,24	30,8	84,4	98,0	100,0	100,0	98,1
Milk and eggs = eggs+raw milk	9,86	8,80	91,2	98,7	100,0	100,0	104,4
Other animal products	1,67	1,70	90,3	99,3	100,0	100,0	108,8
Total	43,78	41,30	87,1	98,3	100,0	100,0	99,8

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Appendix A: Input and Output CPCs

CPC Code	CPC description	Input/Output
CPC 0	Agriculture, forestry and fishing products	mpad Catpat
CPC 01	Products of agriculture, horticulture and market gardening	Output
CPC 02	Live animals and animal products (excluding meat)	Output
CPC 03	Forestry and logging products	Output
CPC 04	Fish and other fishing products	Output
CPC 1	Ores and minerals; electricity, water and gas	Catput
CPC 11	Coal and lignite; peat	Output
CPC 13	Gold, uranium and thorium ores and concentrates	Output
CPC 14	Metal ores and concentrates	Output
CPC 16	Other minerals	Output
CPC 17	Electricity, town gas, steam and hot water	Output
CPC 18	Natural water	Output
CPC 2	Food products; beverages and tobacco; textiles, apparel and	· · · · · · · · · · · · · · · · · · ·
CPC 211	Meat and meat products	Output
01 0 211	Prepared and preserved fish, crustaceans, molluscs and other	Output
CPC 212	aquatic invertebrates	Output
	Prepared and preserved vegetables, pulses and	
CPC 213	potatoes	Output
CPC 214	Prepared and preserved fruit and nuts	Output
CPC 215	Animal and vegetable oils and fats	Output
	Oil-cake and other residues resulting from the extraction of	
	vegetable fats or oils; flours and meals of oil seeds or oleaginous	
	fruits, except those of mustard; vegetable waxes, except	
CPC 219	triglycerides; degras; residues resulting from the treatment of fatty substances or animal or vegetable waxes	Output
CPC 221	Processed liquid milk and cream	Output
CPC 222	Other dairy products	Output
CPC 231	Grain mill products	Output
CPC 233	Preparations used in animal feeding	Output
CPC 234	Bakery products	Output
CPC 234		Output
CPC 236	Sugar	
	Cocoa, chocolate and sugar confectionery	Output
CPC 239	Food products n.e.c.	Output
CPC 241	Ethyl alcohol; spirits, liqueurs and other spirituous beverages	Output
CPC 242	Wines	Output
CPC 243	Malt liquors and malt	Output
CPC 244	Soft drinks; bottled mineral waters	Output
CPC 250	Tobacco products	Output
CPC 271	Made-up textile articles	Output
CPC 272	Carpets and other textile floor coverings	Output
CPC 282	Wearing apparel, except fur apparel	Output
CPC 291	Tanned or dressed leather; composition leather	Input
	Footwear, with outer soles and uppers of rubber or plastics, or with uppers of leather or textile materials, other than sports	
	footwear, footwear incorporating a protective metal toe-cap and	
CPC 293	miscellaneous special footwear	Output
CPC 3	Other transportable goods, except metal products, machiner	
	Wood, sawn or chipped lengthwise, sliced or peeled, of a	
	thickness exceeding 6mm; railway or tramway sleepers (cross-	
CPC 311	ties) of wood not impregnated	Input

CPC Code	CPC description	Input/Output
CPC 312	Wood continuously shaped along any of its edges or faces; wood wool; wood flour; wood in chips or particles	Input
CPC 313	Wood in the rough, including those treated with paint, stains, creosote or other preservatives; railway or tramway sleepers (cross-ties) of wood, impregnated	Input
CPC 314	Boards and panels	Input
CPC 316	Builders' joinery and carpentry of wood (including cellular wood panels, assembled parquet panels, shingles and shakes)	Input
CPC 321	Pulp, paper and paperboard	Output
CPC 322	Books, in print	Output
CPC 323	Newspapers and periodicals, daily, in print	Output
CPC 326	Stamps, cheque forms, banknotes, stock certificates, brochures and leaflets, advertising material and other printed matter	Output
CPC 331	Coke and semi-coke of coal, of lignite or of peat; retort carbon Petroleum oils and oils obtained from bituminous materials, other than crude; preparations n.e.c. containing by weight 70% or more of these oils, such oils being the basic constituents of	Output
CPC 333	the preparations	Output
CPC 334	Petroleum gases and other gaseous hydrocarbons, except natural gas	Output
	Petroleum jelly; paraffin wax, micro-crystalline petroleum wax, slack wax, ozokerite, lignite wax, peat wax, other mineral waxes, and similar products; petroleum coke, petroleum bitumen and other residues of petroleum oils or of oils	
CPC 335	obtained from bituminous materials	Output
CPC 341	Basic organic chemicals	Input
CPC 342	Basic inorganic chemicals n.e.c.	Input
CPC 343	Tanning or dyeing extracts; tannins and their derivatives; colouring matter n.e.c.	Input
CPC 346	Fertilisers and pesticides	Output
CPC 347	Plastics in primary forms	Input
CPC 348	Synthetic rubber and factice derived from oils, and mixtures thereof with natural rubber and similar natural gums, in primary forms or in plates, sheets or strip	loout
CPC 346 CPC 351	Paints and varnishes and related products; artists' colours; ink	Input Output
CPC 352	Pharmaceutical products	Output
CPC 353	·	
CPC 353 CPC 354	Soap, cleaning reparations, perfumes and toilet preparations Chemical products n.e.c.	Output Output
CPC 361	Rubber tyres and tubes	Output
CPC 362	Other rubber products	Input
CPC 362	Semi-manufactures of plastics	Input
CPC 363	Packaging products of plastics	Input
CPC 369	Other plastic products Other plastic products	Output
CPC 309 CPC 371	Glass and glass products	Input
CPC 371	Non-structural ceramic ware	Output
CPC 372	Refractory products and structural non-refractory clay products	Output
CPC 373	Plaster, lime and cement	Output
CPC 374 CPC 375	Articles of concrete, cement and plaster	Output
	Other non-metallic mineral products n.e.c.	Output
CPC 379		

CPC Code	CPC description	Input/Output
CPC 382	Jewellery and related articles	Output
CPC 389	Other manufactured articles n.e.c.	Output
CPC 393	Metal waste or scraps	Input
CPC 399	Other wastes and scraps	Input
CPC 4	Metal products, machinery and equipment	
CPC 411	Basic iron and steel	Input
CPC 412	Products of iron or steel	Input
CPC 413	Basic precious metals and metals clad with precious metals	Input
	Copper, nickel, aluminium, alumina, lead, zinc	
CPC 414	and tin, unwrought	Input
CPC 415	Semi-finished products of copper, nickel, aluminium, lead, zinc and tin or their alloys	Input
CPC 416	Other non-ferrous metals and articles thereof (including waste and scrap of some metals); cermets and articles thereof	Input
CPC 421	Structural metal products and parts thereof	Output
CPC 422	Tanks, reservoirs and containers of iron, steel or aluminium	Output
CPC 429	Other fabricated metal products	Output
CPC 431	Engines and turbines and parts thereof	Output
CPC 432	Pumps, compressors, hydraulic and pneumatic power engines, and valves, and parts thereof	Output
CPC 433	Bearings, gears, gearing and driving elements, and parts thereof	Output
CPC 435	Lifting and handling equipment and parts thereof	Output
CPC 439	Other general-purpose machinery and parts thereof	Output
CPC 441	Agricultural or forestry machinery and parts thereof	Output
CPC 442	Machine-tools and parts and accessories thereof	Output
CPC 444	Machinery for mining, quarrying and construction, and parts thereof	Output
CPC 445	Machinery for food, beverage and tobacco processing, and parts thereof	Output
CPC 447	Weapons and ammunition and parts thereof	Output
CPC 448	Domestic appliances and parts thereof	Output
CPC 449	Other special-purpose machinery and parts thereof	Output
CPC 452	Computing machinery and parts and accessories thereof	Output
CPC 461	Electric motors, generators and transformers, and parts thereof	Output
CPC 462	Electricity distribution and control apparatus, and parts thereof	Output
CPC 463	Insulated wire and cable; optical fibre cables	Output
CPC 464	Accumulators, primary cells and primary batteries, and parts thereof	Output
CPC 471	Electronic valves and tubes; electronic components; parts thereof	Output
CPC 472	Television and radio transmitters; television, video and digital cameras; telephone sets	Output
	Radio broadcast and television receivers; apparatus for sound and video recording and reproducing; microphones,	
CPC 473	loudspeakers, amplifiers, etc.	Output
ODC 400	Instruments and appliances for measuring, checking, testing, navigating and other purposes, except optical instruments; industrial process control equipment; parts and accessories	Outsut
CPC 482	thereof	Output
CPC 491	Motor vehicles, trailers and semi-trailers; parts and accessories thereof	Output
CPC 492	Bodies (coachwork) for motor vehicles; trailers and semi-trailers; parts and accessories thereof	Output

CPC Code	CPC description	Input/Output
	Railway and tramway locomotives and rolling	
CPC 495	stock, and parts thereof	Output
CPC 496	Aircraft and spacecraft, and parts thereof	Output

Appendix B: Basket and weights of products in the PPI, price collection methodology and frequencies (as at January 2022)

B1: Agriculture, Forestry and Fishing

SIC Code	SIC Description	Indicator products	Price collection methodology	Frequency	Type of price	Weight
1		forestry and fishing	memodelogy			100,00%
11	Agriculture					,
111	Growing of c	rops				
					Weighted	
1111		Wheat	Markets	Monthly	Average Price	2,05%
1111		Maiza	Markete	Monthly	Weighted	12.000/
1111		Maize	Markets	Monthly	Average Price Weighted	12,99%
1111		Soybeans	Markets	Monthly	Average Price	2,58%
					Weighted	
1111		Sunflower seed	Markets	Monthly	Average Price	1,37%
				Monthly		
4444		Curar cara	Sugar Cane Growers	(one month	Average Dries	2.240/
1111 1112		Sugar cane Tomatoes	Association Markets	lag) Monthly	Average Price	3,24%
1112		Onions	Markets	Monthly	Average price	1,86%
1112		Potatoes	Markets	Monthly	Average price Average price	1,56% 5,28%
1113		Bananas	Markets	Monthly	Average price	0,77%
1113		Dariarias	Iviai kets	Widiting	Average price/	0,7776
1110					Cost,	
					Insurance,	
		Lemons	Markets	Monthly	Freight (CIF)	2,21%
					Average price/	
					Cost, Insurance,	
1113		Oranges	Markets	Monthly	Freight (CIF)	3,22%
1113		Granges	Warkets	Wildright	Average price/	0,2270
					Ex-Works	
		Grapes	Markets	Monthly	Price	5,54%
					Average price/	
1113		Apples	Markets	Monthly	Ex-Works Price	3,15%
1113		Apples	Iviai kets	Widitily	Average price/	3,13%
					Ex-Works	
1113		Pears	Markets	Monthly	Price	1,17%
112	Farming of a	nimals				
1121		Cattle	Auctions	Monthly	Average price	10,69%
1121		Sheep	Auctions	Monthly	Average price	2,16%
					Ex-Factory	
1101		Davi milli	Processors of	Manth	Price/ Ex-Farm Price	F 000/
1121		Raw milk	milk/Farmers/Association	Monthly	Weighted	5,09%
1121		Wool	Auctions/Companies	Monthly	Average Price	1,32%
1122		Pigs	Auctions	Monthly	Average price	2,04%
1122		Poultry	Association	Monthly	Average price	14,36%
1122		Eggs	Association/Companies	Monthly	Average price	3,08%
12	Forestry and	·	•		. <u> </u>	,
122	Logging					
					List Price/	
4000		Sawn and planted timber -	0		Roadside	4.0007
1220		Softwood	Companies	Monthly	Price	4,09%

SIC Code	SIC Description	Indicator products	Price collection methodology	Frequency	Type of price	Weight
					Ex-Factory	
					Price/	
		Sawn and planted timber -			Roadside	
1220		Hardwood	Companies	Monthly	Price	0,88%
13	Fishing					
131	Ocean and c	oastal fishing				
			Fishing		Ex-Works	
1310		Hake	Producers/Companies	Monthly	Price	3,73%
					Beach Price/	
		Small pelagic (e.g.	Fishing		Ex-Vessel	
1310		anchovies and pilchards)	Producers/Companies	Monthly	Price	1,65%
]		Fishing			
1310		Rock lobster	Producers/Companies	Monthly	Beach Price	1,19%
	1		·		Beach Price/	
					Cost,	
			Fishing		Insurance,	
1310		Squid	Producers/Companies	Monthly	Freight (CIF)	2,75%

B2: Mining and Quarrying

SIC	SIC	Indicator products	Price collection	Frequency	Type of price	Weight
Code	Description		methodology	rrequericy	Type of price	
2	Mining and Q	uarrying				100,00%
21	Mining of Coa					
210	Mining of Coa	<u>l</u>				
2100		Coal	Mining Producers/Companies	Monthly	Contract price/Average price/ Free Carrier (FCA) / Free on Board (FOB)/ List Price	27 60%
21 00	Extraction of	୮ ୯୦ଥା crude petroleum and		IVIOTITITY	Price	27,60%
221		crude petroleum and crude petroleum and				
2210	LATIACTION	Natural gas	Companies	Monthly	Average price	2,10%
2210		Natural gas	Companies	IVIOLITIII	Average price	2,1070
2210		condensate	Companies	Monthly	Average price	0,60%
23	Mining of gold				j i i i i i i i i i i i i i i i i i i i	-,,-
230	Mining of gold					
2300		Gold	Mining Producers/Companies	Monthly	Average Net Selling Price/ Average Price	13,90%
24	Mining of met	al ores, except gold	•			
241	Mining of iron	ore				
2410		Haematite	Mining Producers/Companies	Monthly	Ex-Mine Price/ Free on Board (FOB) / Free on Rail (FOR)	10,04%
242	Mining of non	-ferrous metal ores,		<u> </u>	()	-,-
2421		Chromite	Mining Producers/Companies	Monthly	Ex-Bin Price Average LME Price/	2,82%
2422		Metallic copper	Mining Producers/Companies	Monthly	Weighted Average Price	0,63%

SIC Code	SIC Description	Indicator products	Price collection methodology	Frequency	Type of price	Weight	
					Average price/		
					Free Carrier		
					(FCA) / Free		
		Metallurgical	Mining		on Board		
2423		manganese	Producers/Companies	Monthly	(FOB)	6,03%	
			Companies/Platinum				
0.40.4		District	refiners/ London Metal	N4 41 - 1	A	4.000/	
2424		Platinum	Exchange	Monthly	Average Price	4,86%	
2424		Dhadius	Mining	Monthly	Weighted	0.540/	
2424		Rhodium	Producers/Companies	Monthly	Average Price	8,54%	
			Mining		Average Price/ Weighted		
2424		Palladium	Mining Producers/Companies	Monthly	Average Price	6,72%	
2424		Fallaululli	Mining	ivioritrity	Weighted	0,7270	
2429		Nickel	Producers/Companies	Monthly	Average Price	4,51%	
2723		TAICKCI	Mining	Wioriting	Average i nee	7,5170	
2429		Zircon	Producers/Companies	Monthly	Contract Price	4,27%	
25	Other mining	and quarrying		.	00111100111100	.,=. 70	
251							
43 I	Stone quarryi	ng, clay and sand-bit	S				
231	Stone quarryi	ng, clay and sand-pit	:s 		Average Price/		
231	Stone quarryi	ng, clay and sand-pit	s Mining		Average Price/ Free Alongside		
2511	Stone quarryi	ng, clay and sand-pit		Monthly	Average Price/ Free Alongside Ship (FAS)	0,15%	
	Stone quarryi		Mining Producers/Companies Mining	Monthly	Free Alongside	0,15%	
	Stone quarryi		Mining Producers/Companies Mining Producers/Companies	Monthly Monthly	Free Alongside	0,15% 2,68%	
2511 2519	Stone quarryi	Granite	Mining Producers/Companies Mining Producers/Companies Mining		Free Alongside Ship (FAS) Ex-Bin Price		
2511	Stone quarryi	Granite	Mining Producers/Companies Mining Producers/Companies		Free Alongside Ship (FAS) Ex-Bin Price		
2511 2519	Stone quarryi	Granite Aggregate stones	Mining Producers/Companies Mining Producers/Companies Mining	Monthly	Free Alongside Ship (FAS) Ex-Bin Price Average Price Average Net	2,68%	
2511 2519	Stone quarryi	Granite Aggregate stones	Mining Producers/Companies Mining Producers/Companies Mining	Monthly	Free Alongside Ship (FAS) Ex-Bin Price Average Price Average Net Selling Price/	2,68%	
2511 2519 2519	Stone quarryi	Granite Aggregate stones Sand	Mining Producers/Companies Mining Producers/Companies Mining Producers/Companies Mining Mining	Monthly Monthly	Free Alongside Ship (FAS) Ex-Bin Price Average Price Average Net Selling Price/ Weighted	2,68% 0,32%	
2511 2519	Stone quarryi	Granite Aggregate stones	Mining Producers/Companies Mining Producers/Companies Mining Producers/Companies Mining Producers/Companies	Monthly	Free Alongside Ship (FAS) Ex-Bin Price Average Price Average Net Selling Price/ Weighted Average Price	2,68%	
2511 2519 2519 2520	Stone quarryi	Granite Aggregate stones Sand Gem diamonds	Mining Producers/Companies Mining Producers/Companies Mining Producers/Companies Mining Producers/Companies Mining Producers/Companies Mining	Monthly Monthly Monthly	Free Alongside Ship (FAS) Ex-Bin Price Average Price Average Net Selling Price/ Weighted Average Price Average Price Average Price	2,68% 0,32% 1,55%	
2511 2519 2519	Stone quarryi	Granite Aggregate stones Sand Gem diamonds Industrial diamonds	Mining Producers/Companies Mining Producers/Companies Mining Producers/Companies Mining Producers/Companies Mining Producers/Companies Mining Producers/Companies	Monthly Monthly	Free Alongside Ship (FAS) Ex-Bin Price Average Price Average Net Selling Price/ Weighted Average Price Average Net Selling Price	2,68% 0,32%	
2511 2519 2519 2520 2520	Stone quarryi	Granite Aggregate stones Sand Gem diamonds Industrial diamonds Phosphate	Mining Producers/Companies Mining Producers/Companies Mining Producers/Companies Mining Producers/Companies Mining Producers/Companies Mining Producers/Companies Mining Producers/Companies Mining	Monthly Monthly Monthly Monthly	Free Alongside Ship (FAS) Ex-Bin Price Average Price Average Net Selling Price/ Weighted Average Price Average Price Average Net Selling Price Free Carrier	2,68% 0,32% 1,55% 1,95%	
2511 2519 2519 2520	Stone quarryi	Granite Aggregate stones Sand Gem diamonds Industrial diamonds	Mining Producers/Companies Mining Producers/Companies Mining Producers/Companies Mining Producers/Companies Mining Producers/Companies Mining Producers/Companies Mining Producers/Companies	Monthly Monthly Monthly	Free Alongside Ship (FAS) Ex-Bin Price Average Price Average Net Selling Price/ Weighted Average Price Average Net Selling Price Free Carrier (FCA)	2,68% 0,32% 1,55%	
2511 2519 2519 2520 2520	Stone quarryi	Granite Aggregate stones Sand Gem diamonds Industrial diamonds Phosphate	Mining Producers/Companies Mining Producers/Companies Mining Producers/Companies Mining Producers/Companies Mining Producers/Companies Mining Producers/Companies Mining Producers/Companies Mining	Monthly Monthly Monthly Monthly	Free Alongside Ship (FAS) Ex-Bin Price Average Price Average Net Selling Price/ Weighted Average Price Average Price Average Net Selling Price Free Carrier	2,68% 0,32% 1,55% 1,95%	

B3: Electricity and Water

SIC Code	SIC Description	Indicator products	Price collection methodology	Frequency	Type of price	Weight	
4	4 Electricity and water						
41	Electricity						
411	Production, o	collection and distribution of e	electricity				
4111		Electricity	Eskom	Monthly	Average Price	83,33%	
42	Collection, pu	urification and distribution of	water				
420	Collection, pu	urification and distribution of	water				
4200		Processed water	Water Boards	Annually	Distributor Price	11,46%	
4200		Raw water	Department of water and sanitation	Annually	Average Price	5,21%	

B4: Manufacturing (Input)

SIC Code	SIC Description	Indicator products	Price collection methodology	Frequency	Type of price	Weight
3	Manufacturing	g (Input)				100,00%
31		of textiles, clothing and leath	er goods			
316	Tanning and o	dressing of leather	T	T	_	
3161		Bovine Tanned or dressed leather	Producers/Companies	Monthly	Cost, Insurance, Freight (CIF) / Ex-Factory Price	1,80%
32	Manufacture of	of wood, cork, straw, paper, p	· · · · · · · · · · · · · · · · · · ·			,
321		d planing of wood	.			
3210		Untreated logs and structural timber	Producers/Companies	Monthly	Cost, Insurance, Freight (CIF) / Delivered at place (DAP) / Delivered Customer Price/ Ex- Factory Price/ Ex- Works Price/ Ex-Yard Price/ Free on Board (FOB)/ Free on Rail (FOR) Delivered	1,90%
3210		Wood in chips or particles	Producers/Companies	Monthly	Price/ Ex- Factory Price/ Free on Rail (FOR) Ex-Factory	2,90%
3210		Treated logs and structural timber	Producers/Companies	Monthly	Price/ Ex- Works Price	1,66%
322	Manufacture o	of products of wood, cork, st	raw and plaiting materia	ls		
3221		Boards of wood	Producers/Companies	Monthly	Net Selling Price Net Selling	2,72%
3222		Builders' carpentry of wood	Producers/Companies	Monthly	Price	3,62%
323	Manufacture of	of paper and paper products				
3231		Wood pulp	Producers/Companies	Monthly	Net Selling Price	4,76%
33		of coke, refined petroleum pr	oaucts, nuclear, chemic	ais, rubber, p	iastic	
3341	manufacture o	bf basic chemicals Basic organic chemicals	Producers/Companies	Monthly	Ex-Works Price Ex-Works	12,12%
3341		Basic inorganic chemicals	Producers/Companies	Monthly	Price/ List Price	5,74%
3341		Tanning extracts	Producers/Companies	Monthly	Average Net Selling Price	1,32%
3343		Ethylene polymers and copolymers (PET)	Producers/Companies	Monthly	List Price	0,45%

SIC Description	Indicator products	Price collection methodology	Frequency	Type of price ⁵	Weight
				Average	
	PVC and HDPF compound	Producers/Companies	Monthly		1,48%
			 	•	0,74%
Manufacture o		,	, ,		
	•			Ex-Factory	
					4 = 40/
Manufacture		Producers/Companies	Monthly	Works Price	1,54%
Manuracture C	products			Delivered	
				Factory	
				Price/	
				Wholesale	
	Plastic bags	Producers/Companies	Monthly		2,14%
				Price/ List	
	Plastic containers	Producers/Companies	Monthly	Price	4,21%
Manufacture of	of other non-metallic mineral	products			
Manufacture of	of glass and glass products				
					0.700/
	Safety glass	Producers/Companies	Monthly		0,79%
	Fibre glass	Producers/Companies	Monthly		0,32%
	Tibre glace	1 Toddoord, Companies	ivioriting		0,0270
	Glass containers	Producers/Companies	Monthly	Selling Price	1,95%
Manufacture of	of basic or fabricated metals	, machinery, equipment,	computing e	quipment	
Manufacture of	of basic iron and steel	1	_	_	
	F	Dan dan ann (O a man an i a a	Manathala		4.000/
	Ferro-manganese	Producers/Companies	Monthly		1,23%
				Weighted	
		Producers/Companies	Monthly		1,52%
		Producers/Companies	Monthly		5,34%
		1 Toddocto/Companies	IVIOTITITY		0,0470
	products	Producers/Companies	Monthly	Price	6,48%
	Bars and rods of iron or			Ex-Factory	
		Producers/Companies	Monthly	Price	2,41%
				Ev Footory	
	or steel	Producers/Companies	Monthly	Price	1,34%
	Wire of iron or non-alloy	. 10aaooto/Oompanies	ivioritiny	Ex-Factory	1,077
	steel	Producers/Companies	Monthly	Price	0,82%
			•		
Manufacture o	of basic precious and non-fe	rrous metals			
Manufacture o	of basic precious and non-fe	rrous metals			
Manufacture o	of basic precious and non-fe	rrous metals		Weighted Average	
	Manufacture of Manufa	Manufacture of other non-metallic mineral Manufacture of glass and glass products Safety glass Fibre glass Glass containers Manufacture of basic or fabricated metals Manufacture of basic iron and steel Ferro-manganese Ferro-chromium alloy Flat rolled non-alloy steel products Flat rolled stainless steel products	Manufacture of rubber products Conveyor belts or belting	Polyester resin Producers/Companies Monthly	Polyester resin Producers/Companies Monthly List Price

SIC Code	SIC Description	Indicator products	Price collection methodology	Frequency	Type of price	Weight
					Average	
					Price/	
					Weighted	
		Unwrought or semi-			Average	
3520		manufactured gold	Producers/Companies	Monthly	Price	8,28%
					Weighted	
		Unwrought or semi-			Average	
3520		manufactured platinum	Producers/Companies	Monthly	Price	6,60%
					Average Net	
3520		Unwrought aluminium	Producers/Companies	Monthly	Selling Price	0,18%
		Tubes, pipes and tube or			Average Net	
3520		pipe fittings, of copper	Producers/Companies	Monthly	Selling Price	1,19%
		Manganese metal			Average Net	
3520		(electrolytic manganese)	Producers/Companies	Monthly	Selling Price	3,55%
353	Casting of me	etals				
		Semi-finished products and			Ex-Factory	
3531		ingots of iron and steel	Producers/Companies	Monthly	Price	1,03%
3532		Aluminium products	Producers/Companies	Monthly	Base Price	1,01%
395	Recycling n.e	.c.				
					Ex-Factory	
3951		Metal waste and scrap	Producers/Companies	Monthly	Price	3,74%
		Recycling of non-metal			Average	
3952		waste and scrap	Producers/Companies	Monthly	Price	2,25%

B5: Manufacturing (Output)

SIC Code	SIC Description	Indicator products	Price collection methodology	Frequency	Type of price	Weight
3	Manufacturing	ι (Output)				100,00 %
30	Manufacture o	of food products, beverages	and tobacco products			
301	Production, pr	ocessing and preserving of	meat, fish, fruit, vegetak	les, oils and f	ats	
3011		Beef carcasses	Producers/Companies	Monthly	Delivered Price/ Ex- Factory Price	0,65%
3011		Pork carcasses	Producers/Companies	Monthly	Average Price/ Ex-Works Price	
	-			· · · · · · · · · · · · · · · · · · ·		0,11%
3011	-	Lamb carcasses	Producers/Companies	Monthly	Average Price	0,13%
3011		Chicken - Fresh or chilled	Producers/Companies	Monthly	Average Price	0,10%
3011		Frozen chicken	Producers/Companies	Monthly	Average Price	0,73%
3011		Polony	Producers/Companies	Monthly	Average Net Selling Price	0,13%
3011		Meat burgers	Producers/Companies	Monthly	Ex-Factory Price	0,13%
3012		Fresh and chilled fish	Producers/Companies	Monthly	Delivered Price/ Ex- Works Price	0,13%
3012		Frozen fish	Producers/Companies	Monthly	List Price	0,08%
3012		Tinned fish	Producers/Companies	Monthly	Ex-Factory Price/ Selling Price	0,14%
3013		Frozen potato fries	Producers/Companies	Monthly	Ex-Factory Price/ Selling Price	0,13%

Chips	SIC Code	SIC Description	Indicator products	Price collection methodology	Frequency	Type of price	Weight
	3013		Chips	Producers/Companies	Monthly	List Price	0,50%
	3013		Canned baked beans	Producers/Companies	Monthly	Price	0,11%
Price						Ex-Factory	
Canned fruits	3013		Fruit juice	Producers/Companies	Monthly	Price	0,49%
Price / Average Price / Ex-Factory Price / Average Price / Ex-Factory Price / Ex-Factory Price Ex-Factory Ex-Factory Price Ex-Factory	3013		Canned fruits	Producers/Companies	Monthly	Price	0,13%
	3013		Fruit concentrates	Producers/Companies	Monthly	Price/ Average Price/ Ex-	0,10%
Margarine	2014		Vegetable eil	Draduaera/Companies			0.200/
Oilseed cake			_			Ex-Factory	
						Average Net	
Fresh full-cream milk Producers/Companies Monthly Price 0,38%		Manufacture o		T Toddooro, Companio	Wioritally	T Coming 1 free	0,0070
Long life full-cream milk	3020		Fresh full-cream milk	Producers/Companies	Monthly		0.38%
Average Price/ Ex-Factory Price/ Wholesale Bulk Price Wholesale Bulk Price Wholesale Bulk Price Ex-Factory Price Wholesale Bulk Price O,42% Average Price/ Ex-Factory Price O,35% Cheddar Producers/Companies Monthly Monthly Price O,35% Average Price/ Ex-Factory Price Ex-Factory Price Ex-Factory Price Ex-Factory Price/ Ex-Factory Price Ex-Factory Price/ Ex-Factory Price O,15% White bread flour Producers/Companies Monthly Price O,10% Ex-Factory Price O,05% Ex-Factory Price O,21% Ex-Factory Price O,10% Ex-Factory Price O,21% Ex-Factory Price O,21% Ex-Factory Price O,10% Ex-Factory Price O,21% Ex-Factory Price O,38% Ex-Factory Price O,21% Ex-Factory Price O,38% Ex-Factory Pric				•	•		-
Yoghurt						Average Price/ Ex-Factory Price/	-,
Cheddar Producers/Companies Monthly Ex-Factory Price 0,35%	3020		Yoghurt	Producers/Companies	Monthly	Bulk Price	0,42%
Average Price/Ex-Factory Price/Free on Board (FOB) 0,16%	3020		Cheddar	Producers/Companies	Monthly	Ex-Factory	0,35%
Manufacture of grain mill products, starches and starch products, animal feeds Ex-Factory Price Selling Producers Producers Producers Price Selling Price O,15%	3020		Ice cream	Producers/Companies	Monthly	Ex-Factory Price/ Free on	0.16%
Cake flour Producers/Companies Monthly Price 0,15% White bread flour Producers/Companies Monthly Price 0,10% Brown bread meal Producers/Companies Monthly Price 0,05% Brown bread meal Producers/Companies Monthly Price 0,05% Maize meal and maizina Producers/Companies Monthly Price 0,38% Ex-Factory Price 0,21% Ex-Factory Price 0,38% Ex-Factory Price 0,38% Ex-Factory Price 0,21% Ex-Factory Price 0,38% Ex-		Manufacture o				1 = 0 = 0 (1 = 7)	2,1070
White bread flour	3031		Cake flour	Producers/Companies	Monthly	Price/ Selling Price	0,15%
Brown bread meal Producers/Companies Monthly Price 0,05% Maize meal and maizina Producers/Companies Monthly Price 0,38% Maize meal and maizina Producers/Companies Monthly Price 0,38% Cereals Producers/Companies Monthly Price 0,21% Ex-Factory Price 0,21% Ex-Factory Price 0,21% Ex-Factory Price/ Net Selling Price 0,10% Average Net Selling Price 0,13% Average Net Selling Price 0,85% Manufacture of other food products	3031		White bread flour	Producers/Companies	Monthly	Price	0,10%
Maize meal and maizina Producers/Companies Monthly Price 0,38%	3031		Brown bread meal	Producers/Companies	Monthly	Price	0,05%
3031 Cereals Producers/Companies Monthly Price 0,21% Ex-Factory Price/ Net 3031 Rice Producers/Companies Monthly Selling Price 0,10% Average Net 3033 Poultry Feeds Producers/Companies Monthly Selling Price 0,13% Average Net Selling Price 0,13% Average Net Selling Price 0,85% Average Net Selling Price 0,85%	3031		Maize meal and maizina	Producers/Companies	Monthly	Price	0,38%
Rice Producers/Companies Monthly Selling Price 0,10% Average Net Selling Price 0,10% Average Net Selling Price 0,13% Average Net Selling Price 0,13% Average Net Selling Price 0,13% Average Net Selling Price 0,85% Average Net Selling Price 0,85% Average Net Selling Price 0,85% Monthly Selling Price 0,85%	3031		Cereals	Producers/Companies	Monthly	Price	0,21%
3033 Dairy cattle feeds Producers/Companies Monthly Selling Price 0,13% 3033 Poultry Feeds Producers/Companies Monthly Selling Price 0,85% 304 Manufacture of other food products	3031		Rice	Producers/Companies	Monthly	Price/ Net Selling Price	0,10%
3033 Poultry Feeds Producers/Companies Monthly Selling Price 0,85% 304 Manufacture of other food products	3033		Dairy cattle feeds	Producers/Companies	Monthly	Selling Price	0,13%
		Manufacture		Producers/Companies	Monthly		0,85%
		ivianutacture o		Producers/Companies	Monthly	Average Price	0.51%

SIC Code	SIC Description	Indicator products	Price collection methodology	Frequency	Type of price	Weight
					Ex-Factory	
20.44		NA/leita laura d	D	Manathh	Price/ Net	4.070/
3041		White bread	Producers/Companies	Monthly	Selling Price Ex-Factory	1,37%
					Price/ Net	
3041		Brown bread	Producers/Companies	Monthly	Selling Price	1,23%
3042		Raw cane sugar	Producers/Companies	Monthly	Spot Price	0,29%
					Ex-Factory	
					Price/ List	
					Price/ Net Selling Price/	
3042		Refined sugar	Producers/Companies	Monthly	Spot Price	1,11%
00.1		Troilling outgain			Ex-Factory	.,,
3043		Chocolate slabs and bars	Producers/Companies	Monthly	Price	0,76%
					Ex-Factory	
3043		Sweets	Producers/Companies	Monthly	Price	0,36%
					Ex-Factory Price/ List	
3049		Nuts and nut products	Producers/Companies	Monthly	Price Price	0,42%
					Ex-Factory	, := , ·
3049		Instant coffee	Producers/Companies	Monthly	Price	0,20%
					Cost,	
					Insurance,	
					Freight (CIF) / Ex-Works	
					Price/ Free on	
3049		Tea	Producers/Companies	Monthly	Board (FOB)	0,27%
					Ex-Factory	
3049		Infant food and formula	Producers/Companies	Monthly	Price	0,25%
		Soups and broths,			Ex-Factory Price/ Free on	
3049		powdered	Producers/Companies	Monthly	Board (FOB)	0,12%
		,		,	Ex-Factory	
3049		Tomato sauce	Producers/Companies	Monthly	Price	0,19%
					Ex-Factory	
3049		Mayonnaise	Producers/Companies	Monthly	Price/ Free on Board (FOB)	0,29%
3043		wayoriraise	F Toducers/Companies	Wildliff	Ex-Factory	0,2976
					Price/ Free on	
3049		Spices and condiments	Producers/Companies	Monthly	Board (FOB)	0,51%
00.40					Ex-Factory	0.0=0/
3049		Non-dairy creamers	Producers/Companies	Monthly	Price Ex-Works	0,27%
		Nutritional, dietary and			Price/	
		formulated food			Wholesale	
3049		supplements	Producers/Companies	Monthly	Price	0,57%
305	Manufacture o	of beverages	1		1 -	
2054		Control	D	Manathh	Delivered	0.700/
3051		Spirits	Producers/Companies	Monthly	Price Delivered	0,76%
3051		White wine	Producers/Companies	Monthly	Price	0,21%
					Delivered	J,=170
3051		Red wine	Producers/Companies	Monthly	Price	0,25%
					Delivered	
2054		Spirit coolers	Droduosro/Commonis	Monthly	Price/ Free on	0.500/
3051		Spirit coolers	Producers/Companies	Monthly	Board (FOB)	0,52%

SIC Code	SIC Description	Indicator products	Price collection methodology	Frequency	Type of price	Weight
	•				Ex-Factory	
					Price/ List	
3052	 	Beer	Producers/Companies	Monthly	Price	3,70%
3053		Soft drinks	Draduoera/Companios	Monthly	Wholesale	2.450/
3053	Manufactura	of tobacco products	Producers/Companies	Monthly	Price	2,45%
300	Wandacture C				Ex-Factory	
					Price/ Ex-	
3060		Cigarettes	Producers/Companies	Monthly	Works Price	2,11%
31	Manufacture o	of textiles, clothing and leath	er goods			
312	Manufacture o	of other textiles				
3121		Linen	Producers/Companies	Monthly	Average Price	0,43%
3121		Loose car seat covers	Producers/Companies	Monthly	Average Price	0,40%
3122		Carpets (excl mats and rugs)	Producers/Companies	Monthly	Net Selling Price/ Wholesale Price	0,78%
313	Manufacture o	of knitted and crocheted fabr		, ,	•	,
					Ex-Factory	
3130		Sportswear	Producers/Companies	Monthly	Price	0,12%
314	Manufacture of	f wearing apparel, except fu	r apparel			
3140		Women's clothing	Producers/Companies	Monthly	Ex-Factory Price/ Net Selling Price	1,88%
3140		Men's clothing	Producers/Companies	Monthly	Ex-Factory Price/ Selling Price	1,56%
3140		Protective wears	Producers/Companies	Monthly	Net Selling Price	0,47%
317	Manufacture of	of footwear				
3170		Footwear	Producers/Companies	Monthly	Ex-Factory Price/ Selling Price	0,46%
32	Manufacture o	of wood, cork, straw, paper, p	•			,
323		of paper and paper products				
3231		Paper for printing	Producers/Companies	Monthly	Net Invoice Price	0,25%
		Packing and wrapping			Ex-Factory	
3231	-	paper in rolls or sheets	Producers/Companies	Monthly	Price	0,56%
3232	-	Sacks and bags of paper	Producers/Companies	Monthly	Average Price	0,34%
3232	-	Cardboard boxes	Producers/Companies	Monthly	List Price Ex-Works	2,81%
3239		Disposable nappies for babies Toilet paper, tissues,	Producers/Companies	Monthly	Price	0,36%
3239		napkins and other household articles of paper	Producers/Companies	Monthly	Net Selling Price	0,44%
3239		Labels/tags/stickers of paper	Producers/Companies	Monthly	Average Price	0,35%
3239 324	Publishing	paper	i roducers/Companies	IVIOLITIII	Average File	0,00/0
3241	· azasaning	Books	Producers/Companies	Monthly	Ex-Factory Price/ Ex- Works Price	2,33%

SIC Code	SIC Description	Indicator products	Price collection methodology	Frequency	Type of price	Weight
325	•	ctivities related to printing	methodology			
	Trinking and a	ctivities related to printing			Average Net Selling Price/ Net Selling	
3251		Newspapers	Producers/Companies	Monthly	Price Ex-Factory Price/ Net	0,12%
3251		Magazines	Producers/Companies	Monthly	Selling Price	0,28%
3251		Trade advertising material and other printed material	Producers/Companies	Monthly	Average Net Selling Price	0,63%
3251		Printed stationery	Producers/Companies	Monthly	Average Price	0,41%
33		of coke, refined petroleum pr	oducts, nuclear, chemic	als, rubber, pl	astic	
331	Manufacture o	f coke oven products		T	T	
3310	-	Charcoal	Producers/Companies	Monthly	Net Invoice Price	0,07%
3310	<u> </u>	Pre-mixed asphalt	Producers/Companies	Monthly	Ex-Works Price	0,05%
3310		Bituminous mixtures	Producers/Companies	Monthly	Ex-Factory Price/ Ex- Works Price	0,10%
332	Potroloum refi	neries/synthesisers	Floudcets/Companies	INIOTHITIS	WOIKS FIICE	0,1076
3321/	i enoieum ren	neries/synthesisers			Base Price/ Wholesale	
2/3		Petrol	Producers/Companies	Monthly	Price	4,34%
3321/ 2/3	_	Jet fuel	Producers/Companies	Monthly	Average Price/ Base Price	0,38%
3321/ 2/3		Diesel	Producers/Companies	Monthly	Base Price/ Wholesale Price	4,46%
3321/					Average price/ Contract Price/ Ex-Factory	
2/3 3321/	-	Engine oils	Producers/Companies	Monthly	Price	0,35%
2/3 3321/	-	LPG gasses Petro-chemicals and	Producers/Companies	Monthly	Gate Price	0,27%
2/3	-	feedstocks	Producers/Companies	Monthly	Base Price Average price/	2,53%
3321/ 2/3		Lubricating preparations	Producers/Companies	Monthly	Contract Price/ Ex-Factory Price/ List Price	0,13%
334	Manufacture o	f basic chemicals		T	T	
3342		Fertilisers	Producers/Companies	Monthly	List Price/ Net Selling Price	0,31%
335	Manufacture o	f other chemical products		1	Ev Footon:	
3351	-	Insecticides	Producers/Companies	Monthly	Ex-Factory Price Ex-Factory	0,10%
3352		Paints	Producers/Companies	Monthly	Price/ List Price/ Net Selling Price	1,07%
3353		Provitamins, vitamins, hormones and antibiotics	Producers/Companies	Monthly	Manufacturing Price	0,61%
3353		Cold and flu preparations	Producers/Companies	Monthly	Manufacturing Price	0,16%

SIC	SIC	lu dia stan una divata	Price collection	F	Towns of mains	VA/ o ! o ! o ! o !
Code	Description	Indicator products	methodology	Frequency	Type of price	Weight
2250		Anti inflammatania	D /O	Manathh	Manufacturing	0.000/
3353		Anti-inflammatories	Producers/Companies	Monthly	Price Manufacturing	0,28%
3353		Non-narcotic Analgesics	Producers/Companies	Monthly	Price	0,23%
		Antiviral and retroviral			Manufacturing	-,
3353		drugs	Producers/Companies	Monthly	Price	0,91%
					Free on Board	
3354		Toilet Soap	Producers/Companies	Monthly	(FOB) / Net Selling Price	0,29%
0001		Tonot Soap	1 Toddooro, Companies	Wieritring	Ex-Factory	0,2070
					Price/ Free on	
		Non soap based			Board (FOB) /	
3354		detergents, laundry bars and tablets	Producers/Companies	Monthly	List Price/ Net Selling Price	0,36%
3334		and tablets	Froducers/Companies	Widitilly	Ex-Factory	0,3076
					Price/ Free on	
3354		Washing powder	Producers/Companies	Monthly	Board (FOB)	0,90%
					Cost Price/ Ex-	
					Factory Price/ Free on Board	
3354		Lotions and creams	Producers/Companies	Monthly	(FOB)	0,69%
			Troudors, companies		Cost Price/ Ex-	0,0070
					Factory Price/	
0054					Free on Board	0.000/
3354	Manufacture	Perfumes and deodorants	Producers/Companies	Monthly	(FOB)	0,38%
335	Manufacture c	of other chemical products		I	Ex-Factory	
3359		Adhesives and sealants	Producers/Companies	Monthly	Price	0,17%
3359		Prepared explosives	Producers/Companies	Monthly	Average Price	0,63%
		Water and pool treatment				
3359		chemicals	Producers/Companies	Monthly	Average Price	0,21%
3359		Chemical catalyst	Producers/Companies	Monthly	Inter Company Selling Price	0,30%
3333		Mining chemical	1 Toddcers/Companies	ivioritiny	Average Net	0,3070
3359		i i i i i i i i i i i i i i i i i i i	Producers/Companies	Monthly	Selling Price	0,14%
337	Manufacture o	of rubber products			_	
					Average Net	
					Selling Price/ Ex-Factory	
3371		Tyres	Producers/Companies	Monthly	Price	0,98%
338	Manufacture o	of plastic products	1 Todacoro, Companios	1.00.10.11	1 1.00	0,0070
		Vinyl chloride polymers			Average Net	
3380		(PVC) and copolymers	Producers/Companies	Monthly	Selling Price	0,38%
2000		Plastic pipes, tubes and	Droduce /O '-	Marchi	Liet Deies	0.040/
3380		fittings Plastic films for packaging	Producers/Companies	Monthly	List Price Delivered	0,31%
3380		purposes	Producers/Companies	Monthly	Price	0,53%
3380		Vinyl sheeting or flooring	Producers/Companies	Monthly	List Price	0,02%
						·
0000		Industrial mouldings of			Ex-Works	0.400/
3380		plastic	Producers/Companies	Monthly	Price	0,19%
					Ex-Factory	
					Price/ Ex-	
0005					Works Price/	6 6==:
3380		Stationery goods of plastic	Producers/Companies	Monthly	List Price	0,07%

SIC	SIC	Indicator products	Price collection	Frequency	Type of price	Weight
Code	Description	•	methodology	Trequency	Type of price	Weight
34		of other non-metallic mineral				
342	Manufacture o	of non-metallic mineral produ	icts n.e.c.	T	A Nl.	
3421		Non-structural ceramic ware	Producers/Companies	Monthly	Average Net Selling Price	0,17%
3421		Refractory bricks and	Froducers/Companies	ivioritrity	Ex-Factory	0,17 /0
3422		shapes	Producers/Companies	Monthly	Price	0,18%
0.22	=				Ex-Yard Price/	0,1070
					Net Selling	
3423		Clay bricks	Producers/Companies	Monthly	Price	0,09%
0.400		On an arise (illus	D	NA (I. I	Ex-Factory	0.070/
3423	-	Ceramic tiles	Producers/Companies	Monthly	Price	0,27%
3424		Cement	Producers/Companies	Monthly	Ex-Factory Price	1,13%
3424	1	Cernent	1 Toduccis/Companies	Wichting	Ex-Bin Price/	1,1070
					Ex-Factory	
3425		Ready-mix concrete	Producers/Companies	Monthly	Price	0,66%
3425		Ceiling boards	Producers/Companies	Monthly	Average Price	0,00%
					Average Price/	
3425		Roof tiles	Producers/Companies	Monthly	List Price	0,16%
					Average Net Selling Price/	
					Ex-Factory	
3425		Cement or concrete bricks	Producers/Companies	Monthly	Price	0,24%
				, ,	Average Net	0,= 170
3425		Concrete pipes	Producers/Companies	Monthly	Selling Price	0,04%
					Average Net	
		Prefabricated cement and			Selling Price/	
3425		concrete components	Producers/Companies	Monthly	Gate Price	0,22%
354	Manufacture o	of structural metal products	<u> </u>	T	A Nlat	
3541		Steel door and window frames	Producers/Companies	Monthly	Average Net Selling Price	0,34%
3341	-	names	Froducers/Companies	Wichting	Ex-Factory	0,3470
3541		Roof sheeting	Producers/Companies	Monthly	Price	0,56%
					Average Net	, , , , , ,
					Selling Price/	
					Net Delivered	
3541	_	Reinforcing metal work	Producers/Companies	Monthly	Price	0,30%
3541		Equipment for scaffolding, shuttering and propping	Producers/Companies	Monthly	List Price	0,06%
3341		Welded angles, shapes and	Froducers/Companies	ivioritrity	LIST FILCE	0,0076
		sections for use in			Ex-Factory	
3541		manufactured structures	Producers/Companies	Monthly	Price	0,27%
					Average Price/	
3541		Steel pipes	Producers/Companies	Monthly	List Price	0,21%
		Reservoirs, tanks, vats and			Fy Footowy	
3542		similar containers of iron, steel or aluminium	Producers/Companies	Monthly	Ex-Factory Price	0,43%
355	Manufacture	of other fabricated metal proc		I MOHUITY	1 1106	0,4370
333	Wallulacture C		10013		Average Net	
3553		Handtools and parts thereof	Producers/Companies	Monthly	Selling Price	0,61%
	1	Locks and padlocks,	1		Ex-Factory	, , , , , , , , , , , , , , , , , , , ,
		clasps, keys and parts			Price/ Ex-	
3553	1	thereof of base metal	Producers/Companies	Monthly	Works Price	0,21%
					Ex-Factory	
3550		Cans	Producers/Companies	Monthly	Price/ Ex- Works Price	1 250/
3559		Cans	Froducers/Companies	Monthly	VVOIKS PIICE	1,35%

SIC Code	SIC Description	Indicator products	Price collection methodology	Frequency	Type of price	Weight
	•	Stoppers, lids, caps, discs	- · · · · ·		Average Net	0.700/
3559		and other closures	Producers/Companies	Monthly	Selling Price	0,56%
3559		Cloth, grill, netting and fencing, of iron or steel wire	Producers/Companies	Monthly	Ex-Works Price	0,24%
3339		Nails, screws and other	Froducers/Companies	ivioritrity	Average Net	0,2470
3559		metal fasteners	Producers/Companies	Monthly	Selling Price	0,45%
					Average Price/	0, 1070
					Ex-Works	
					Price/ Net	
		Wire for fencing of iron or			Delivered	
3559		steel	Producers/Companies	Monthly	Price	0,45%
356	Manufacture o	of general purpose machinery	y	T	T	
0504		Farings for materials	D	Manthle	Average Net	0.070/
3561		Engines for motor vehicles	Producers/Companies	Monthly	Selling Price	0,07%
					Average Net Selling Price/	
3562		Pumps	Producers/Companies	Monthly	List Price	0,48%
3562		Taps, cocks and valves	Producers/Companies	Monthly	List Price	0,31%
0002		Tupo, cocko ana varveo	1 Toddocto/ Companies	Wichting	Ex-Works	0,0170
3563		Ball or roll bearings	Producers/Companies	Monthly	Price	0,14%
		Gears and gearing			Ex-Works	,
3563			Producers/Companies	Monthly	Price	0,22%
		Lifting and handling			Ex-Factory	
		equipment and parts			Price/ List	
3565		thereof	Producers/Companies	Monthly	Price	0,56%
0500		Industrial heating and			Ex-Works	0.050/
3569		cooling system	Producers/Companies	Monthly	Price	0,65%
		Commercial and industrial			Ex-Factory Price/ Ex-	
3569		refrigerating and freezing equipment	Producers/Companies	Monthly	Works Price	0,64%
3303		Filtering or purifying	1 Toducers/Companies	ivioriting	VVOIKSTIICE	0,0470
		machinery and apparatus				
3569		(except for air or engines)	Producers/Companies	Monthly	List Price	0,20%
			·		Net Selling	·
3569		Filters for engines	Producers/Companies	Monthly	Price	0,27%
		Industrial ventilating fans			Ex-Works	
3569		and blowers	Producers/Companies	Monthly	Price	0,28%
357	Manufacture o	of special purpose machinery		T	T	
3571		Irrigation pipe systems	Producers/Companies	Monthly	List Price	0,23%
0570		Machine-tools and parts	D	Manthle	Average Net	0.050/
3572		and accessories thereof	Producers/Companies	Monthly	Selling Price	0,35%
		Continuous-action elevators, cutters,				
		tunnelling, boring and			Ex-Works	
3574		sinking machinery	Producers/Companies	Monthly	Price	0,23%
		,	2. 2 2		Ex-Factory	., -,-
					Price/ Ex-	
					Works Price/	
3574		Graders and scrapers	Producers/Companies	Monthly	List Price	0,01%
		Tanada a secolo de se				
2574		Tamping machines and	Droduoero/Coreneris -	Monthly	Liet Price	0.000/
3574		road rollers	Producers/Companies	Monthly	List Price	0,00%
					Ex-Factory	
		Front-end shovel loaders,			Price/ List	
3574		self-propelled	Producers/Companies	Monthly	Price	0,01%

SIC Code	SIC Description	Indicator products	Price collection methodology	Frequency	Type of price	Weight
	•	Mechanical shovels,			Ex-Works	
		excavators and shovel			Price/ List	
3574		loaders	Producers/Companies	Monthly	Price	0,23%
		Dumpers designed for off			Ex-Factory Price/ List	
3574		Dumpers designed for off- highway use	Producers/Companies	Monthly	Price/ List Price	0,13%
3374		Machinery for sorting,	1 Toddocts/Companies	Wiorithing	1 1100	0,1070
		screening, separating,				
		washing, crushing,				
		grinding, mixing or			Average Net	
		kneading of construction			Selling Price/	0.000/
3574		material Darte of machine my for	Producers/Companies	Monthly	List Price	0,33%
		Parts of machinery for mining, quarrying and			Average Net	
3574		construction	Producers/Companies	Monthly	Selling Price	0,27%
3374		Machinery for food,	1 Toducers/Companies	IVIOTITITY	Selling Trice	0,21 /0
		beverage and tobacco				
		processing, and parts				
3575		thereof	Producers/Companies	Monthly	Contract Price	0,21%
		Munitions, ammunitions				
3577		and cartridges	Producers/Companies	Monthly	List Price	1,19%
0.570		Assembling machines and	D. 1	NA (b.)	O a star at D day	0.040/
3579	NA	apparatus	Producers/Companies	Monthly	Contract Price	0,81%
358	Manufacture o	of household appliances			Average Net	
3580		Fridge-freezer	Producers/Companies	Monthly	Average Net Selling Price	0,19%
3300		i nage-neezer	F Toducers/Companies	IVIOTITITY	Average Net	0,1370
3580		Geysers	Producers/Companies	Monthly	Selling Price	0,01%
					Ex-Works	5,51,5
3580		Stoves and ovens	Producers/Companies	Monthly	Price	0,28%
359	Manufacture of	of office, accounting and con	nputing machinery			
					Average Net	
3590		Computers	Producers/Companies	Monthly	Selling Price	0,29%
36	Manufacture of electrical machinery and apparatus n.e.c.					
361	Manufacture o	of electric motors, generators	s and transformers		T = 147 .	
					Ex-Works	
3610		Electric motors	Producers/Companies	Monthly	Price/ List Price	0,03%
3010		Liectife motors	Froducers/Companies	IVIOTITITY	Ex-Factory	0,0376
3610		Generators sets	Producers/Companies	Monthly	Price	0,10%
					Ex-Works	
					Price/ List	
3610		Power transformers	Producers/Companies	Monthly	Price	0,22%
362	Manufacture o	of electricity distribution and	control apparatus		T	
2000		Electricity distribution and	Draduce = 10	Marchi	Ex-Factory	4.4007
3620	Manufactura	control equipment	Producers/Companies	Monthly	Price	1,12%
363	wanutacture o	of insulated wire and cable			Ev Footoni	
3630		Steel wire armoured (SWA) cable	Producers/Companies	Monthly	Ex-Factory Price	0,21%
364	Manufacture o	of accumulators, primary cel		IVIOLITIIIY	1 1100	U,Z I /0
3640	a.iaiaotaio 0	Batteries	Producers/Companies	Monthly	Average Price	0,23%
366	Manufacture	of other electrical equipment		Worthing	Average i nee	0,2070
300	ivianuiacture 0	n omer electrical equipment	11.5.6.			
					Ex-Works	_
3660		Automotive wire cables	Producers/Companies	Monthly	Price	0,48%

SIC Code	SIC Description	Indicator products	Price collection methodology	Frequency	Type of price	Weight
	Manufacture o	l of radio, television and comm	nunication equipment an	l d apparatus a	ınd of medical,	
37	precision and optical instruments, watches and clocks Manufacture of electronic valves and tubes and other electronic components					
371	Manufacture o	of electronic valves and tubes	s and other electronic co	omponents 	Fy Footony	
					Ex-Factory Price/	
					Standard	
					Price/ Volume	
3710			Producers/Companies	Monthly	Break Price	0,17%
070		of television and radio transn	nitters and apparatus for	r line telephor	y and line	
372	telegraphy	T			Average Net	
3720		Communication equipment	Producers/Companies	Monthly	Selling Price	0,04%
0.20	Manufacture o	of television and radio receive				0,0.70
373		associated goods	,			
					Average Net	
3730	Manufacture	Television and decoders	Producers/Companies	Monthly	Selling Price	0,09%
374		of medical appliances and instanting and other purposes, ex	• •		ng, checking,	
314	testing, navige	Electricity and water supply		1		
3742		meters	Producers/Companies	Monthly	List Price	1,14%
38	Manufacture o	of transport equipment			•	
381	Manufacture o					
					Base Price/	
					Dealer Billing/	
					Dealer Price/	
					Free on Board (FOB)/	
3810		Passenger Vehicles	Producers/Companies	Monthly	Transfer Price	1,69%
3010	-	1 asseriger verileies	1 Toduccis/Companies	Wioritrity	Base Price/	1,0070
		Bakkies and vans not			Wholesale	
3810		exceeding 3,5 tons	Producers/Companies	Monthly	Price	1,02%
					Average Price/	
0040		Lorries, trucks and vans	D	NA (I. I	Base Price/	0.400/
3810	Manufacture	exceeding 3,5 tons of bodies for motor vehicles.	Producers/Companies	Monthly	List Price	0,40%
382	wanutacture o	Bodies for motor vehicles	manufacture of trailers	and semi - tra 	Ex-Works	
3820		and parts thereof	Producers/Companies	Monthly	Price	0,60%
3820	-	Draw bar trailers	Producers/Companies	Monthly	Base Price	0,09%
		Tipper, tanker and trailer			Ex-Works	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
3820		parts	Producers/Companies	Monthly	Price	0,13%
383	Manufacture o	of parts and accessories for r	notor vehicles and their	engines	T	
					Ex-Works	
0000		Catalytic convertors and	D	Marathle	Price/ Net	0.450/
3830	-	parts thereof Silencers and exhaust	Producers/Companies	Monthly	Selling Price Ex-Factory	2,45%
3830		pipes	Producers/Companies	Monthly	Price	1,42%
0000	-	pipes	1 reducero, companies	ivioriting	Free	1,1270
					Alongside Ship	
					(FAS) / Net	
2020		Suspension, brakes, clutch,	Droduce - /O	Marctleli	Selling Price/	0.000/
3830	-	mountings and parts	Producers/Companies	Monthly	Selling Price	0,39%
3830		Axles	Producers/Companies	Monthly	Net Selling Price	0,27%
385	Manufacture o	of railway and tramway locon		·	1 1100	U,ZI /0
	a.iaiaotaio 0	Railway locomotives and		<u> </u>		
		rolling stock, and parts			Ex-Works	
3850		thereof	Producers/Companies	Monthly	Price	0,54%

SIC	SIC	Indicator products	Price collection	Frequency	Type of price	Weight
Code	Description	·	methodology		71 1	
385	Manufacture of	of aircraft and spacecraft				
					Average Net	
3850		Parts of aircraft	Producers/Companies	Monthly	Selling Price	0,74%
39	Manufacture o	of furniture, recycling and ma	nufacturing n.e.c.			
391	Manufacture o		•			
					Ex-Factory Price/ Manufacturing	
3910		Furniture	Producers/Companies	Monthly	Price	0,86%
3910		Base sets and mattresses	Producers/Companies	Monthly	Average Net Selling Price	0,70%
392	Manufacture n	i.e.c.				
3921		Precious and semi-precious stones	Producers/Companies	Monthly	Ex-Works Price	0,53%
3921		Gold jewellery	Producers/Companies	Monthly	Average Net Selling Price	0,63%
2020		Number plates and signs	Broducere/Companies	Monthly	Ex-Works Price/ Free on	1 270/
3929		Number plates and signs	Producers/Companies	Monthly	Board (FOB)	1,37%