

Statistical bulletin

# Producer price inflation, UK: March 2023 including services, January to March 2023

Changes in the prices of goods bought and sold by UK manufacturers including price indices of materials and fuels purchased (input prices) and factory gate prices (output prices).



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# 1 . Main points

- Producer input prices rose by 7.6% in the year to March 2023, down from 12.8% in the year to February 2023.
- Producer output (factory gate) prices rose by 8.7% in the year to March 2023, down from 11.9% in the year to February 2023.
- Inputs of crude oil and petroleum products provided the largest downward contributions to the change in the annual rates of input and output inflation, respectively.
- While annual inflation rates have been falling in recent months, the index levels for both input and output prices have been broadly stable since June 2022.
- On a monthly basis, producer input prices increased by 0.2% and output prices increased by 0.1% in March 2023.
- Services producer prices rose by 4.9% in the year to Quarter 1 (Jan to Mar) 2023, down from 5.3% in the year to Quarter 4 (Oct to Dec) 2022.
- This month's Services Producer Price Index (SPPI) estimates are being published with updated weights in line with the annual chain-linking methodology (see [Section 6: Weights](#)).

## 2 . Producer price inflation rates

The annual rate of the input Producer Price Index (PPI) has now been positive for 28 consecutive months, although it has been slowing for the last nine months. The annual rate is now 16.9 percentage points below its record annual high of 24.5% in June 2022 (Figure 1).

The annual rate of the output PPI has now been positive for 27 consecutive months, but it has been slowing for the last eight months. It is down 11.0 percentage points from its recent peak of 19.7% in July 2022.

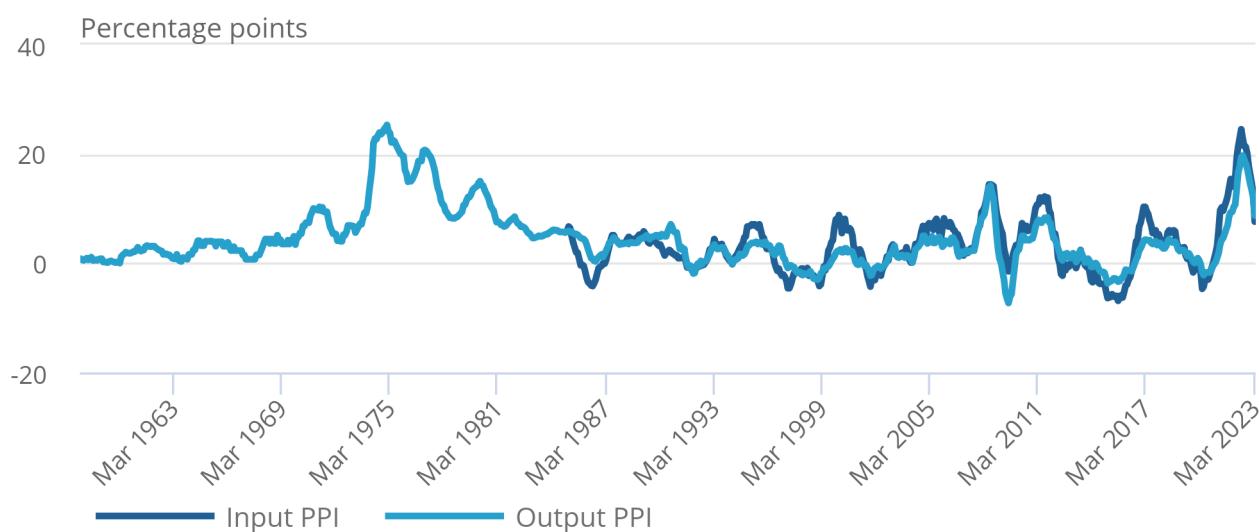
The index levels for both input and output prices have been broadly stable since June 2022 after a period of rapid increase starting in 2021 and continuing into early 2022 (Figure 2). This levelling out, when compared with the rapid increases seen last year, has the effect of creating a fall in the annual inflation rate (Figure 1), as explained in our [Beware base effects article](#).

**Figure 1: Annual input and output PPI inflation rates have continued to slow in March 2023**

Input and output Producer Price Index (PPI) annual inflation rates, UK, January 1958 to March 2023

### Figure 1: Annual input and output PPI inflation rates have continued to slow in March 2023

Input and output Producer Price Index (PPI) annual inflation rates, UK, January 1958 to March 2023



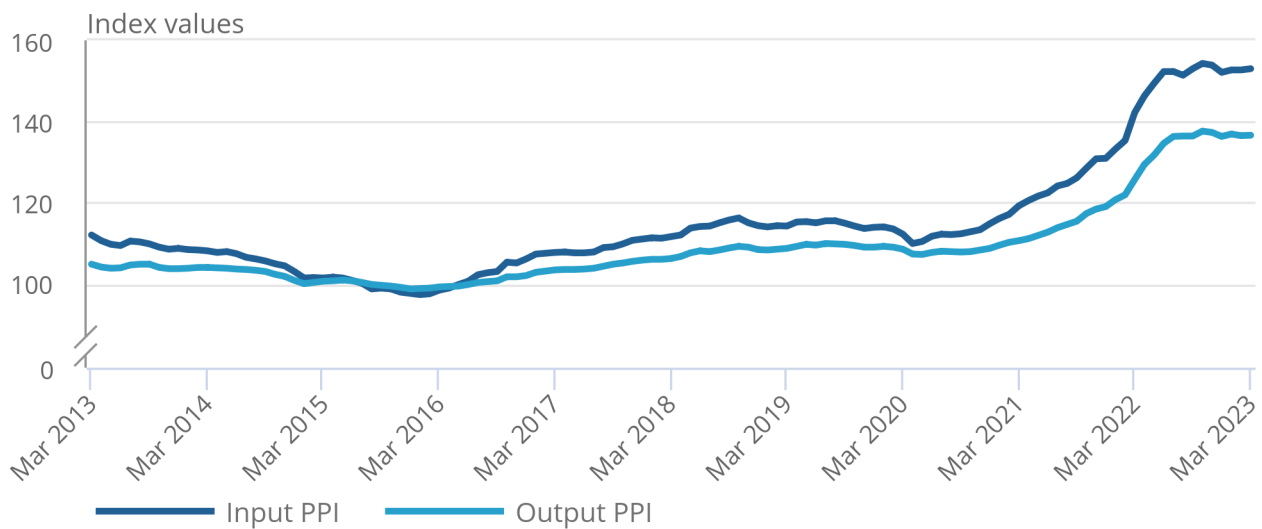
Source: Producer Price Index (PPI) from the Office for National Statistics

**Figure 2: Input and output PPI levels remain broadly stable despite a slight increase between February and March 2023**

Input and output Producer Price Index (PPI) values, UK, March 2013 to March 2023

## Figure 2: Input and output PPI levels remain broadly stable despite a slight increase between February and March 2023

Input and output Producer Price Index (PPI) values, UK, March 2013 to March 2023



Source: Producer Price Index (PPI) from the Office for National Statistics

### 3 . Input producer price inflation

The annual rate of producer input prices decreased by 5.2 percentage points from 12.8% in February 2023 to 7.6% in March 2023.

The monthly producer input inflation increased by 0.2% in March 2023, following no movement in February 2023 (Table 1). This is notably down from the record high of 5.1% in March 2022 as a result of the conflict in Ukraine and the immediate impact this had on crude oil prices.

Table 1: Input prices, index values, inflation rates and percentage point change to the annual inflation rate UK, March 2022 to March 2023

<b>All materials and fuels purchased (GHIP)</b>				
	<b>PPI Index (2015=100)</b>	<b>Monthly rate</b>	<b>Annual rate</b>	<b>Change in the annual rate (percentage points)</b>
<b>2022 Mar</b>	142.2	5.1	19.3	3.8
<b>Apr</b>	146.3	2.9	21.4	2.1
<b>May</b>	149.4	2.1	22.9	1.5
<b>June</b>	152.3	2.0	24.5	1.6
<b>July</b>	152.3	0.0	22.8	-1.7
<b>Aug</b>	151.4	-0.6	21.4	-1.4
<b>Sept</b>	153.0	1.0	21.3	-0.1
<b>Oct</b>	154.3	0.9	20.1	-1.2
<b>Nov</b>	153.9	-0.3	17.7	-2.4
<b>Dec</b>	152.1	-1.1	16.2	-1.5
<b>2023 Jan</b>	152.7	0.4	14.6	-1.6
<b>Feb</b>	152.7	0.0	12.8	-1.8
<b>Mar</b>	153.0	0.2	7.6	-5.2

Source: Producer Price Index (PPI) from the Office for National Statistics

#### Notes

1. Rates may not correspond to index value changes because of rounding.

The largest upward contribution to the annual input inflation rate in March 2023 came from inputs of other parts and equipment, which contributed 2.60 percentage points (Figure 3). This product group saw an increase in the year to March 2023 of 8.6% (Table 2), which is down 0.5 percentage points from February 2023. This was mainly driven by domestic inputs of air and spacecraft and related machinery.

The second-largest contributor to the annual rate came from inputs of home-produced food materials, which contributed 1.86 percentage points (Figure 3). This product group saw an increase in the year to March 2023 of 15.1%, down from 15.2% in February 2023. This month the main driver was milk from dairy cattle.

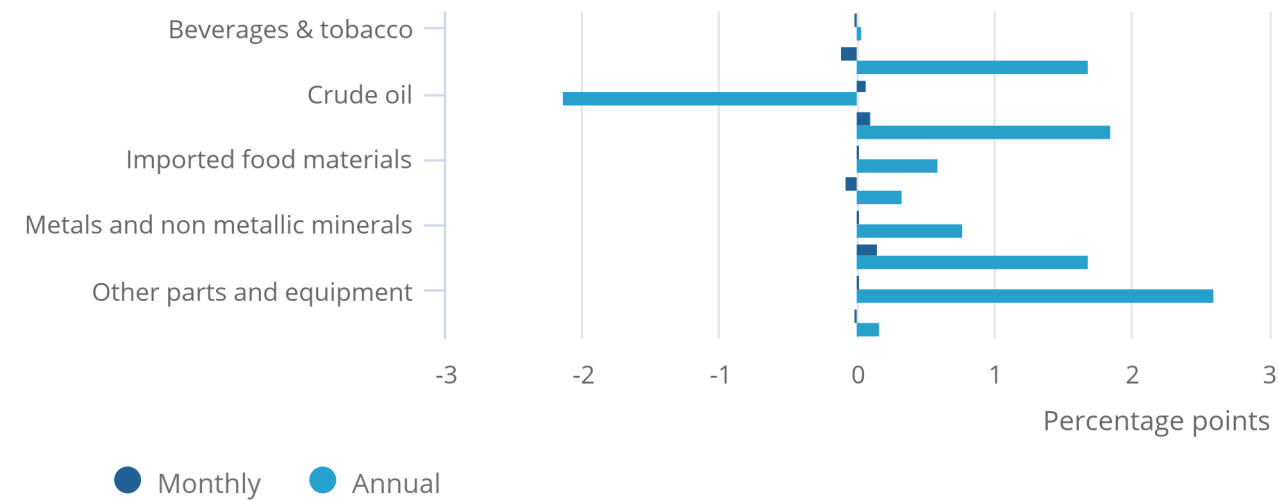
As indicated in our [Classification review of the Energy Price Guarantee and Energy Bill Relief Scheme \(EBRS\) statement](#), the data relating to the inputs of fuel continue to reflect the impact of the EBRS. The EBRS came to an end on 31 March 2023, after which the Energy Bills Discount Scheme (EBDS) takes effect. Following a classification review of the EBDS, any effect will be reflected in the Producer Price Index (PPI) when the April 2023 data are published.

**Figure 3: Other parts and equipment provided the largest upward contribution to the annual inflation rate of input PPI in March 2023**

Input Producer Price Index (PPI), contribution to monthly and annual inflation rate, UK, March 2023

Figure 3: Other parts and equipment provided the largest upward contribution to the annual inflation rate of input PPI in March 2023

Input Producer Price Index (PPI), contribution to monthly and annual inflation rate, UK, March 2023



Source: Producer Price Index (PPI) from the Office for National Statistics

Notes:

- 1. Contributions to the rate may not add up to the rate exactly because of rounding.

Table 2: Input prices, inflation rates  
UK, February and March 2023

Product group	Percentage change		Percentage change	
	February 2023		March 2023	
	Monthly rate	Annual rate	Monthly rate	Annual rate
<b>Beverages &amp; tobacco</b>	2.6	13.0	0.2	12.8
<b>Fuel excluding Climate Change Levy</b>	2.2	64.1	-2.1	48.5
<b>Crude oil</b>	-1.9	-2.5	1.4	-24.1
<b>Home-produced food materials</b>	-0.4	15.2	0.8	15.1
<b>Imported food materials</b>	3.2	30.6	0.9	29.1
<b>Other produced materials</b>	-1.5	10.0	-0.7	4.4
<b>Metals &amp; non-metallic minerals</b>	0.7	13.2	0.1	6.6
<b>Chemicals</b>	-1.0	10.6	0.8	8.6
<b>Other parts and equipment</b>	0.7	9.1	0.1	8.6
<b>Other inputs</b>	0.2	8.8	0.1	7.5
<b>All manufacturing</b>	0.0	12.8	0.2	7.6

Source: Producer Price Index (PPI) from the Office for National Statistics

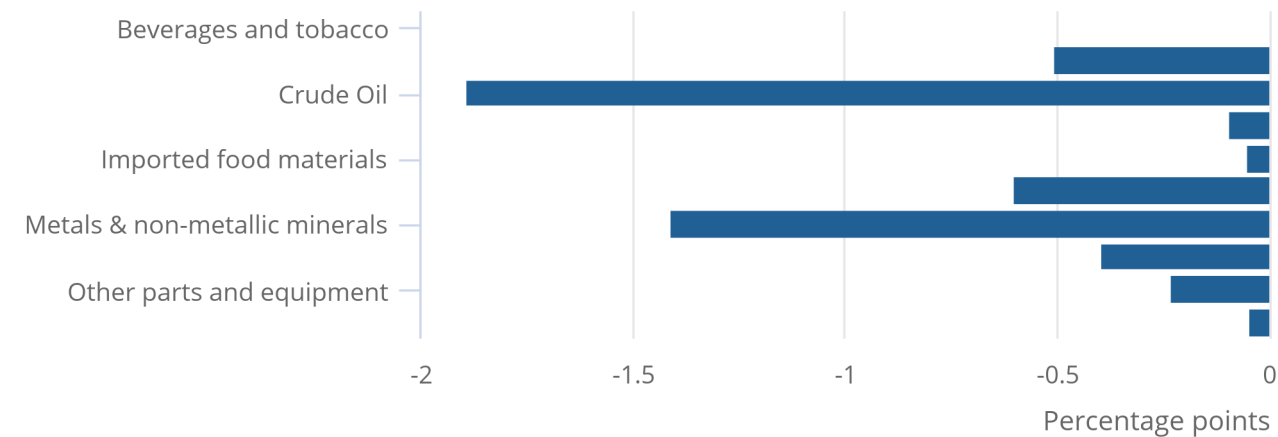
Of the 10 product groups, 9 showed downward contributions to the change in the annual rate, with crude oil providing the largest, at 1.89 percentage points (Figure 4). Crude oil saw a monthly increase of 1.4% in March 2023, compared with an increase of 30.3% in March 2022.

**Figure 4: Crude oil provided the largest downward contribution to the change in the annual inflation rate of input PPI**

Input Producer Price Index (PPI), contribution to change in the annual inflation rate, UK, March 2023

**Figure 4: Crude oil provided the largest downward contribution to the change in the annual inflation rate of input PPI**

Input Producer Price Index (PPI), contribution to change in the annual inflation rate, UK, March 2023



Source: Producer Price Index (PPI) from the Office for National Statistics

Notes:

- 1. Contributions to the rate may not add up to the rate exactly because of rounding.

Input prices of imported materials and fuels decreased by 0.7% in March 2023, down from an increase of 0.5% in February 2023. The annual rate was 8.4% in March 2023, down from 14.7% in February 2023 and 16.2 percentage points lower than its peak of 24.6% in October 2022 (Table 3).



Table 3: Imported materials and fuels purchased and sterling effective exchange rate, index values, inflation rates and percentage point change to the annual inflation rate  
UK, March 2022 to March 2023

Imported materials and fuels purchased (GD74)						Sterling effective exchange rate - month average (BK67)		
		PPI Index (2015=100)	Monthly rate	Annual rate	Change in the annual rate (percentage points)	Sterling Index (Jan 2005=100)	Monthly rate	Annual rate
2022	Mar	133.7	5.1	14.5	4.4	81.8	-1.0	0.1
	Apr	136.6	2.1	15.5	1.0	81.2	-0.7	-0.2
	May	140.2	2.7	18.7	3.2	79.9	-1.6	-2.4
	June	143.5	2.4	21.1	2.4	79.3	-0.8	-3.3
	July	143.0	-0.3	19.6	-1.5	78.9	-0.5	-3.5
	Aug	143.8	0.5	20.8	1.2	79.1	0.3	-3.4
	Sept	149.8	4.2	24.5	3.7	76.3	-3.5	-6.4
	Oct	151.1	0.8	24.6	0.1	77.0	0.9	-6.1
	Nov	147.4	-2.4	20.0	-4.6	78.1	1.4	-4.2
	Dec	144.1	-2.3	16.7	-3.3	79.0	1.2	-2.9
2023	Jan	145.3	0.8	17.1	0.4	78.3	-0.9	-5.3
	Feb	146.0	0.5	14.7	-2.4	77.8	-0.6	-5.8
	Mar	145.0	-0.7	8.4	-6.3	78.3	0.6	-4.3

Source: Producer Price Index (PPI) from the Office for National Statistics and the sterling effective exchange rate from the Bank of England

#### Notes

1. Rates may not correspond to index value changes because of rounding.
2. Total imports (GD74) represents roughly one-fifth of overall materials and fuels (input prices) in terms of index weight.

## 4 . Output producer price inflation

The annual rate of producer output (factory gate) prices decreased by 3.2 percentage points from 11.9% in February 2023 to 8.7% in March 2023.

The monthly producer output inflation increased by 0.1% in March 2023, following a 0.4% decrease in February 2023. However, this was notably lower than the monthly rate of 3.1% seen in March 2022 caused by the conflict in Ukraine affecting petrol prices (Table 4).

Table 4: Output prices, index values, inflation rates and percentage point change to the annual inflation rate UK, March 2022 to March 2023

### All manufactured products (GB7S)

	PPI Index (2015=100)	Monthly rate	Annual rate	Change in the annual rate (percentage points)
<b>2022 Mar</b>	125.7	3.1	13.6	2.9
<b>Apr</b>	129.4	3.0	16.6	3.0
<b>May</b>	131.7	1.7	17.7	1.1
<b>June</b>	134.6	2.2	19.4	1.7
<b>July</b>	136.3	1.3	19.7	0.3
<b>Aug</b>	136.4	0.0	19.0	-0.7
<b>Sept</b>	136.4	0.0	18.2	-0.8
<b>Oct</b>	137.6	0.9	17.4	-0.8
<b>Nov</b>	137.3	-0.2	15.9	-1.5
<b>Dec</b>	136.3	-0.8	14.5	-1.4
<b>2023 Jan</b>	136.9	0.5	13.4	-1.1
<b>Feb</b>	136.5	-0.4	11.9	-1.5
<b>Mar</b>	136.6	0.1	8.7	-3.2

Source: Producer Price Index (PPI) from the Office for National Statistics

### Notes

1. Rates may not correspond to index value changes because of rounding.

Food products provided the largest upward contribution to the output annual rate in the year to March 2023, at 3.55 percentage points (Figure 5). This was mainly driven by condiments and seasonings, with ingredients, packaging and energy costs pushing prices up. The annual inflation rate for food products was 15.5% in the year to March 2023 (Table 5), which is down from 16.1% in February 2023.

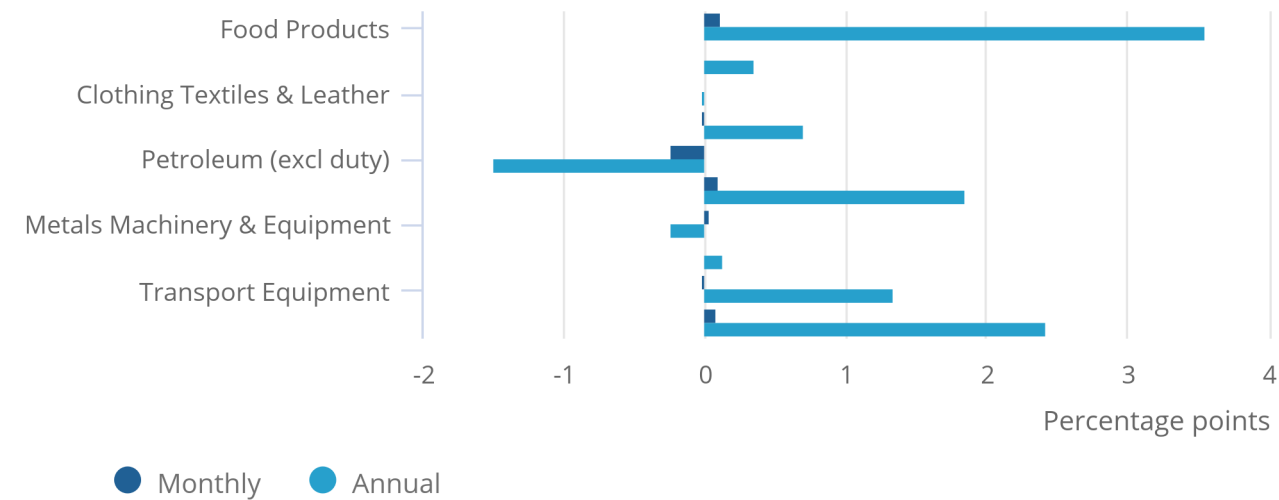
The second-largest contributor to the annual rate came from other manufactured products, which contributed 2.43 percentage points (Figure 5) and showed an increase of 10.4% in the year to March 2023. This is down from 10.7% in February 2023. The annual increase was mainly driven by articles of concrete, cement and plaster because of ongoing high material and energy costs.

**Figure 5: Food products provided the largest upward contribution to the annual inflation rate of output PPI in March 2023**

Output Producer Price Index (PPI), contribution to monthly and annual inflation rate, UK, March 2023

Figure 5: Food products provided the largest upward contribution to the annual inflation rate of output PPI in March 2023

Output Producer Price Index (PPI), contribution to monthly and annual inflation rate, UK, March 2023



Source: Producer Price Index (PPI) from the Office for National Statistics

Notes:

- 1. Contributions to the rate may not add up to the rate exactly because of rounding.

Table 5: Output prices, inflation rates  
UK, February and March 2023

Product group	Percentage change		Percentage change	
	February 2023		March 2023	
	Monthly rate	Annual rate	Monthly rate	Annual rate
Food products	0.4	16.1	0.5	15.5
Tobacco and alcohol (excl. duty)	4.4	13.2	0.1	13.5
Clothing, textile and leather	0.5	8.2	0.6	8.4
Paper and printing	-0.7	14.6	-0.1	10.4
Petroleum products (excl. duty)	-5.7	12.6	-3.3	-10.7
Chemical and pharmaceutical	-3.0	12.1	1.4	9.0
Metal, machinery and equipment	0.7	13.1	0.3	9.4
Computer, electrical and optical	1.0	8.0	0.4	7.7
Transport equipment	-0.5	4.6	-0.1	4.1
Other manufactured products	0.3	10.7	0.3	10.4
All manufacturing	-0.4	11.9	0.1	8.7

Source: Producer Price Index (PPI) from the Office for National Statistics

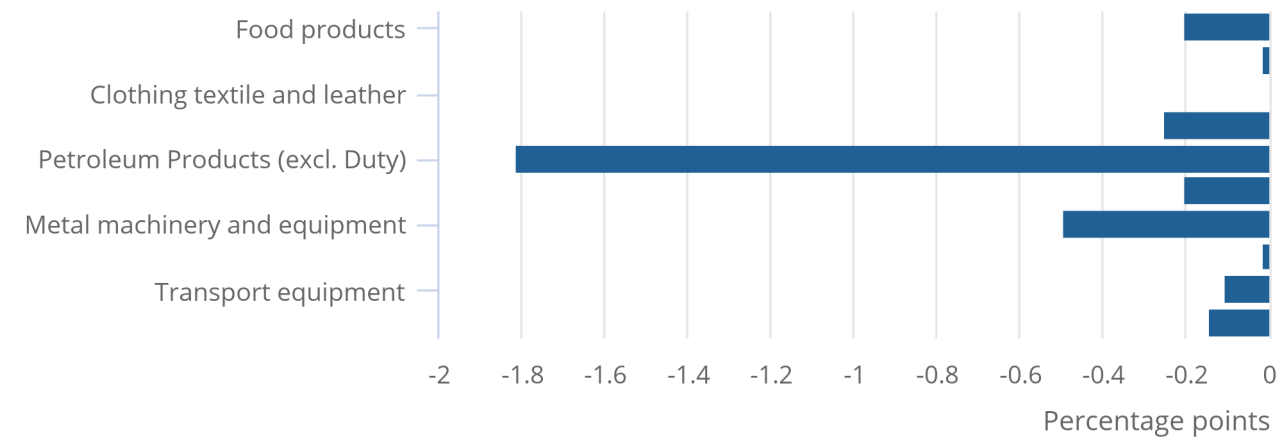
Of the 10 product groups, 9 show downward contributions to the change in the annual rate. Petroleum products provided the largest downward contribution to the change in the annual output rate, at 1.81 percentage points (Figure 6). Petroleum products saw a monthly decrease of 3.3% in price in March 2023, compared with an increase of 22.0% in March 2022.

**Figure 6: A monthly fall in petroleum prices resulted in it providing the largest downward contribution to the change in the annual output inflation rate**

Output Producer Price Index (PPI), contribution to change in the annual inflation rate, UK, March 2023

Figure 6: A monthly fall in petroleum prices resulted in it providing the largest downward contribution to the change in the annual output inflation rate

Output Producer Price Index (PPI), contribution to change in the annual inflation rate, UK, March 2023



Source: Producer Price Index (PPI) from the Office for National Statistics

Notes:

1. Contributions to the rate may not add up to the rate exactly because of rounding.

## 5 . Services producer price inflation

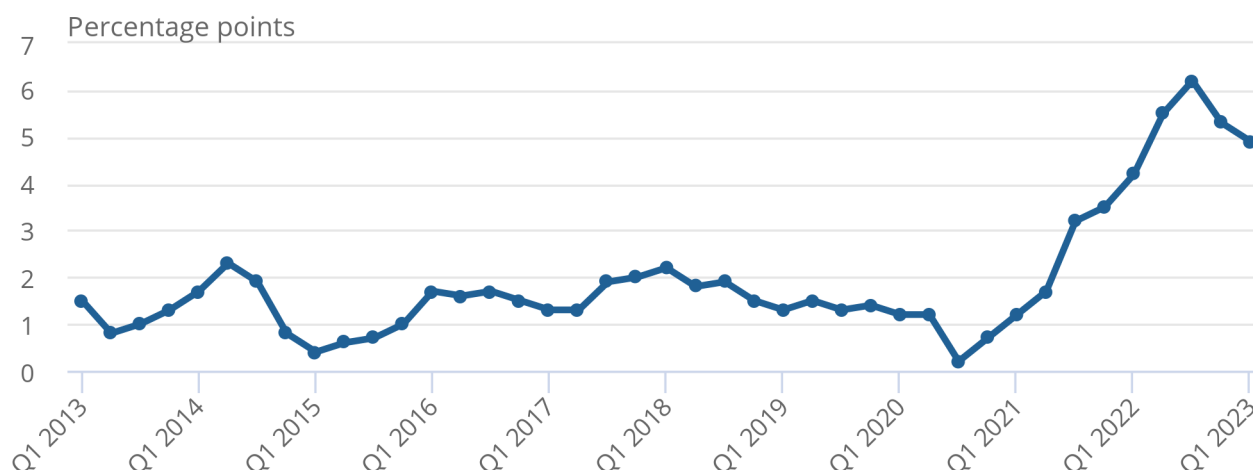
The annual rate of inflation for services sold by UK companies, the Services Producer Price Index (SPPI), was 4.9% in Quarter 1 (Jan to Mar) 2023. This is down from 5.3% in Quarter 4 (Oct to Dec) 2022 and also down from the record high of 6.2% in Quarter 3 (July to Sept) 2022 (Figure 7). Four of the nine product groups saw a notable slowing in their annual rate this quarter. This is somewhat of a base effect, as explained in our [Beware base effects article](#), since sharp increases were seen in almost all service sectors in the same quarter last year.

**Figure 7: The annual rate of inflation for the Services Producer Price Index (SPPI) has continued to slow in Quarter 1 2023**

SPPI, UK, Quarter 1 2013 to Quarter 1 2023

Figure 7: The annual rate of inflation for the Services Producer Price Index (SPPI) has continued to slow in Quarter 1 2023

SPPI, UK, Quarter 1 2013 to Quarter 1 2023



**Source: Services Producer Price Index (SPPI) from the Office for National Statistics**

**Notes:**

1. Q1 refers to Quarter 1 (Jan to Mar), Q2 refers to Quarter 2 (Apr to June), Q3 refers to Quarter 3 (July to Sep) and Q4 refers to Quarter 4 (Oct to Dec).

The quarter-on-quarter growth of services producer prices was 1.1% in Quarter 1 2023, up from 0.1% in Quarter 4 2022 (Table 6). The quarterly rate has picked up for the first time since Quarter 2 2022.

Table 6: Services Producer Prices  
UK, Quarter 1 (Jan to Mar) 2022 to Quarter 1 (Jan to Mar) 2023

**Percentage change**

	<b>SPPI Index (2015=100)</b>	<b>Quarterly</b>	<b>Annual</b>	<b>Change in the annual rate (percentage points)</b>
<b>2022 Q1</b>	113.3	1.5	4.2	0.7
<b>Q2</b>	115.4	1.9	5.5	1.3
<b>Q3</b>	117.4	1.8	6.2	0.7
<b>Q4</b>	117.6	0.1	5.3	-0.9
<b>2023 Q1</b>	118.9	1.1	4.9	-0.4

Source: Services Producer Price Index (SPPI) from the Office for National Statistics

Notes

1. Q1 refers to Quarter 1 (Jan to Mar) Q2 refers to Quarter 2 (Apr to June) Q3 refers to Quarter 3 (July to Sep) and Q4 refers to Quarter 4 (Oct to Dec).

The largest contribution to annual services producer prices in Quarter 1 2023 came from information and communication services, at 3.47 percentage points (Figure 8). The annual rate in Quarter 1 2023 was 3.6%, which is unchanged from Quarter 4 2022 (Table 7). This was mainly driven by computer programming services.

The second largest annual contribution came from professional, scientific and technical services, at 2.11 percentage points, with an annual inflation rate of 3.8%. The annual inflation rate for this product group has slowed for the last four quarters.

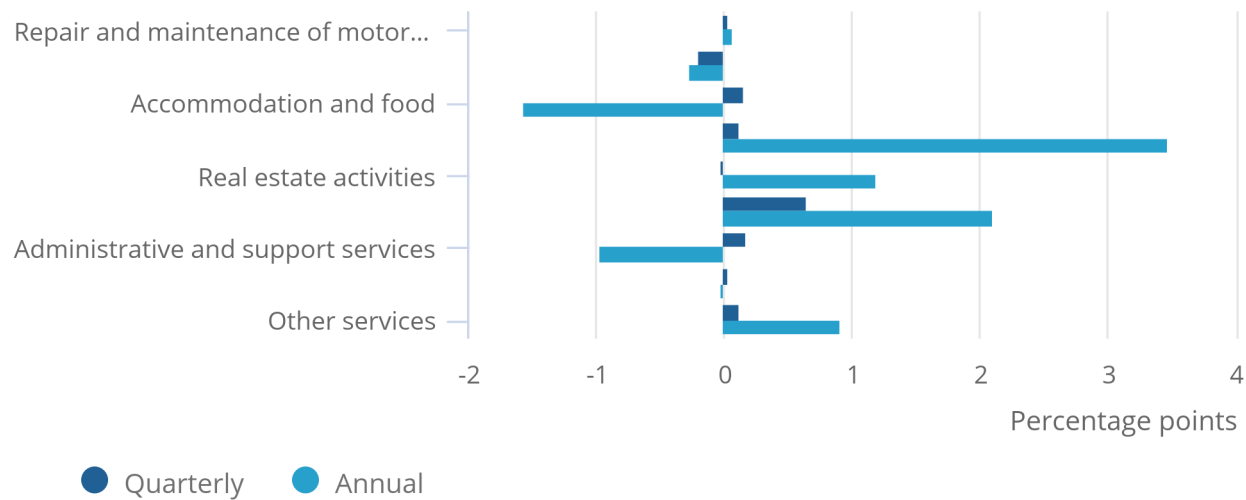
Professional, scientific and technical services also provided the largest upward contribution to the quarterly rate, at 0.65 percentage points, with a quarterly price increase of 2.3%.

**Figure 8: Information and communication services made the largest upward contribution to the SPPI annual inflation rate**

SPPI, contribution to quarterly and annual inflation rates, UK, Quarter 1 (Jan to Mar) 2023

Figure 8: Information and communication services made the largest upward contribution to the SPPI annual inflation rate

SPPI, contribution to quarterly and annual inflation rates, UK, Quarter 1 (Jan to Mar) 2023



Source: Services Producer Price Index (SPPI) from the Office for National Statistics

Notes:

- 1. Contributions to the rate may not add up to the rate exactly because of rounding.



Table 7: SPPI, quarterly and annual inflation rates  
UK, Quarter 4 (Oct to Dec) 2022 and Quarter 1 (Jan to Mar) 2023

Service group	Percentage change		Percentage change	
	Quarter 4 2022		Quarter 1 2023	
	Quarterly	Annual	Quarterly	Annual
Repair and maintenance of motor vehicles	2.5	8.3	1.4	7.1
Transportation and storage	-0.3	9.8	-1.1	5.9
Accommodation and food	0.8	5.5	1.7	6.9
Information and communication	0.4	3.6	0.7	3.6
Real estate activities	-0.9	1.8	-0.3	0.5
Professional, scientific and technical activities	-0.2	4.1	2.3	3.8
Administrative and support services	-0.1	3.3	1.2	5.2
Education	2.2	4.4	2.3	5.7
Other services	1.2	12.6	4.8	14.8
<b>SPPI</b>	0.1	5.3	1.1	4.9

Source: Services Producer Price Index (SPPI) from the Office for National Statistics

#### Notes

1. The section level SPPIs are an aggregate of individual industry level SPPIs (excluding industries in Waste Supply Sewerage and Management) published in the SPPI Statistical Bulletin. They do not provide full coverage of the service sector.

## 6 . Weights

This month's Services Producer Price Index (SPPI) is being published with updated sales data in line with the annual chain-linking methodology. New weights are applied to the data from Quarter 4 (Oct to Dec) 2022, which is the link period (Tables 8). Further details on the methodology are available in our [Chain-linking in business prices article](#).

Table 8: Weights and weight ranking comparison between 2022 and 2023 for SPPI  
Domestically consumed services

CPA product groupings	Weight			Rank	
	2022	2023	Percentage point difference	2022	2023
<b>Professional, Scientific and Technical Services</b>	26.5	26.9	0.4	1	1
<b>Information and Communication Services</b>	19.4	22.6	3.2	2	2
<b>Administrative and Support Services</b>	16.7	14.7	-2.0	3	4
<b>Transportation and Storage Services</b>	15.9	15.3	-0.6	4	3
<b>Accommodation and Food Services</b>	11.1	8.8	-2.3	5	5
<b>Real Estate Services</b>	4.8	5.8	1.0	6	6
<b>Maintenance and Repair Services of Motor Vehicles</b>	2.2	2.1	-0.1	7	8
<b>Other Services</b>	1.9	2.4	0.5	8	7
<b>Education Services</b>	1.5	1.4	-0.1	9	9

Source: Services Producer Price Index (SPPI) from the Office for National Statistics

## 7 . Producer price inflation data

### [Producer price inflation time series](#)

Dataset | Released 19 April 2023

A comprehensive selection of data on input and output indices. Contains producer price indices of materials and fuels purchased and output of manufacturing industry by broad sector.

### [Input and output producer price inflation: contributions to the annual rates](#)

Dataset | Released 19 April 2023

Contributions to the annual inflation rates of input and output producer price inflation by component and overall inflation rates.

### [Producer price inflation](#)

Dataset MM22 | Released 19 April 2023

UK price movement data at all manufacturing, aggregated industry and product group levels. Data supplied from individual manufacturers, importers and exporters. Monthly, quarterly and annual data.

## 8 . Glossary

## **Weight**

This is the importance of the price of interest relative to other prices collected. With annual chain-linking, this is updated every year using business turnover data.

## **Index value**

Price level in a specific basket of goods.

## **Annual growth rate**

The annual inflation rate.

## **Link factor**

A smoothing factor applied to create a continuous series following a weights change.

## **Contribution**

A measure of influence that the index has on the overall growth rate. This depends on both the magnitude of the weight and the inflation rate. A positive contribution is an index that is driving a change in the annual growth rate value. Where the contribution is positive but the growth is negative, this indicates that the index is reducing the annual growth rate (for example, the growth rate would be higher if this index had a lower weight).

## **Producer price inflation**

Changes in the prices of goods bought and sold by UK manufacturers, including price indices of materials and fuels purchased (input prices) and factory gate prices (output prices).

## **Input prices**

The input price measures the price of materials and fuels bought by UK manufacturers for processing. It includes materials and fuels that are both imported or sourced within the domestic market. It is not limited to materials used in the final product but includes what is required by businesses in their normal day-to-day running, such as fuels.

## **Output prices**

The factory gate price (output price) is the amount received by UK producers for the goods that they sell to the domestic market. It includes the margin that businesses make on goods, in addition to costs such as labour, raw materials and energy, as well as interest on loans, site or building maintenance, or rent.

## **Services producer price inflation**

Quarterly estimates monitoring the changes in prices charged for services provided to UK-based customers for a range of industries.

# **9 . Measuring the data**

The Producer Price Index (PPI) uses contributions to identify how indices influence the overall inflation rate. This section gives additional information on the calculation and how to interpret it.

## **Example scenarios**

The following gives examples of how weight and inflation rate changes most commonly affect the contribution. In PPI, the weights usually have greater influence on the contribution as these tend to show greater change than the annual inflation rate:

- decrease in weight and in inflation rate – contribution is negative
- decrease in weight, increase in inflation rate – contribution is usually negative
- no change in weight or inflation rate – no change
- no change in weight, increase in inflation rate – contribution is usually positive
- increase in weight, decrease in inflation rate – contribution is usually positive
- increase in weight, no change in inflation rate – contribution is positive
- increase in weight, increase in inflation rate – contribution is positive

Contributions are calculated using the following formula:

$$\frac{(\text{weight} \times \text{index value} \times \text{link factor})_{\text{for current year}} - (\text{weight} \times \text{index value} \times \text{link factor})_{\text{for previous year}}}{\text{chain linked value for the overall index}}$$

Quality and methodology information (QMI) on strengths, limitations, appropriate uses, and how the data were created is available in our [Producer price indices QMI report](#) and our [Services Producer Price Inflation QMI report](#).

Other useful documentation for the PPI and the Services Producer Price Index (SPPI) are:

- [Producer Price Indices methods changes article](#)
- [Chain-linking in business prices article](#)
- [Producer price weight changes article](#)
- [Services producer price weight changes article](#)
- [Guidance on using indices in Indexation Clauses \(PDF, 197KB\)](#)
- [PPI methods and guidance \(PDF, 1.14MB\)](#)
- [SPPI user guidance and methodology article](#)
- [PPI standard errors 2017 datasets](#)
- [UK SPPI standard errors: 2016 to 2017 article](#)

## Sterling effective exchange rate

The sterling effective exchange rate measures changes in the strength of sterling relative to baskets of other currencies. The sterling effective exchange rate is only indicative of the rates applied to producer prices. This is because the sterling effective exchange rate is a trade-weighted index that represents all UK trade, whereas producer prices reflect transactions in the manufacturing sector.

## Data revisions policy

Figures for the latest two months are provisional, and the latest 12 months are subject to revisions in light of late and revised respondent data. The PPI revision policy is now in line with that of the national accounts. Published information on the [revisions policy](#) and revisions triangles shows how estimates are revised over time.

## 10 . Strengths and limitations

## Strengths

These data:

- provide users with valuable insight into the changes in the prices of goods and services bought and sold by UK manufacturers
- are comprehensive, covering many products at a much greater level of detail than other surveys
- are internationally comparable with any country using the classification by product activity (CPA) or the central product classification (CPC) systems – [the classification structure is available to review](#) on the Eurostat website
- are created using a rotational sampling method to enable many new products and new respondents to be included
- are chain-linked annually to improve results in deflation by reducing substitution bias

## Limitations

The limitations are that:

- some products are produced by only a small number of manufacturers, meaning that there may not be enough manufacturers for a detailed and robust analysis, and the sector may be volatile, requiring some estimation
- the data can be revised for 12 months
- the data for the latest two months of the Producer Price Index (PPI) and two quarters of the Services Producer Price Index (SPPI) are provisional

## Response rates in March 2023

The response rate for the domestic PPI, Import Price Index (IPI) and Export Price Index (EPI) all show a decrease between February and March 2023 (Table 9).

The response rate for the SPPI shows a decrease between Quarter 4 (Oct to Dec) 2022 and Quarter 1 (Jan to Mar) 2023 (Table 10).

Table 9: PPI, IPI and EPI overall effective response rates at time of first publishing  
Percentage, UK, March 2022 to March 2023

### Weighted response

	PPI (domestic)	IPI	EPI
<b>March 2022</b>	71.3	75.4	73.8
<b>April 2022</b>	71.4	68.2	74.2
<b>May 2022</b>	71.7	76.1	74.1
<b>June 2022</b>	74.0	78.0	69.5
<b>July 2022</b>	67.7	73.0	73.3
<b>August 2022</b>	71.6	71.6	72.0
<b>September 2022</b>	71.9	74.8	78.2
<b>October 2022</b>	73.3	61.3	71.6
<b>November 2022</b>	78.0	73.3	71.7
<b>December 2022</b>	78.2	72.9	73.7
<b>January 2023</b>	77.9	71.7	73.9
<b>February 2023</b>	78.1	78.9	78.2
<b>March 2023</b>	77.8	75.4	74.7

Source: Producer Price Index (PPI) from the Office for National Statistics

### Notes

1. Effective response rates exclude items permanently not available for collection.

Table 10: Services Producer Price Index (SPPI) overall effective response rates at time of first publishing  
Percentage, Quarter 1 (Jan to Mar) 2022 to Quarter 1 (Jan to Mar) 2023

	<b>Weighted Response SPPI</b>
<b>2022 Q1</b>	75.1
<b>Q2</b>	78.0
<b>Q3</b>	78.6
<b>Q4</b>	80.0
<b>2023 Q1</b>	79.0

Source: Services Producer Price Index (SPPI) from the Office for National Statistics

#### Notes

1. Effective response rates exclude items permanently not available for collection.

## 11 . Related links

### [Consumer price inflation, UK](#)

Bulletin | Released monthly

Price indices, percentage changes, and weights for the different measures of consumer price inflation.

### [UK House Price Index](#)

Bulletin | Released monthly

Monthly house price inflation in the UK, calculated using data from HM Land Registry, Registers of Scotland, and Land and Property Services Northern Ireland.

### [Construction output in Great Britain: December 2022, new orders and Construction Output Price Indices, October to December 2022](#)

Bulletin | Released 10 February 2023

Short-term measures of output by construction industry in December 2022, contracts awarded for new construction work in Great Britain and a summary of the Construction Output Price Indices (OPIs) in the UK for Quarter 4 (Oct to Dec) 2022.

### [GDP monthly estimate, UK](#)

Bulletin | Released monthly

Gross domestic product (GDP) measures the value of goods and services produced in the UK. It estimates the size of and growth in the economy.

### [Coronavirus and the effects on UK prices](#)

Article | Released 6 May 2020

Plans for data collection, compilation and publication of our various prices statistics following movement restrictions as a result of the coronavirus (COVID-19) pandemic.

### [Coronavirus and the impact on output in the UK economy: August 2021](#)

Article | Released 13 October 2021

Analysis of growth for the production, services and construction industries in the UK economy between February 2020 and August 2021, highlighting the impact of the coronavirus (COVID-19) pandemic.

## 12 . Cite this statistical bulletin

Office for National Statistics (ONS), released 19 April 2023, ONS website, statistical bulletin, [Producer price inflation, UK: March 2023 including services, January to March 2023](#)



**Table 1: Output prices: summary (not seasonally adjusted) - CPA 2.1**

2015=100, CPA 2.1

Manufactured Products for Domestic Market, excluding duty				Manufactured products excluding food beverages, tobacco & petroleum products for domestic market				Coke and refined petroleum products, excluding duty				Food products, beverages and tobacco, excluding duty			
percentage change over				percentage change over				percentage change over				percentage change over			
Index (2015=100)	1 mth	12 mths		Index (2015=100)	1 mth	12 mths		Index (2015=100)	1 mth	12 mths		Index (2015=100)	1 mth	12 mths	
6150333333				6150333390				6140190000				6150888897			
	GB7S				GBBV				G6ST				GBA6		
2022 Sep	136.4	-	18.2	133.3r	0.8	14.2		265.4	-7.0	76.2		127.0	0.9	15.2	
Oct	137.6r	0.9	17.4	134.1r	0.6	13.3		272.7	2.8	63.9		128.2	1.0	15.7	
Nov	137.3r	-0.2	15.9	134.4r	0.2	12.6		256.6	-5.9	46.4		129.3	0.8	15.8	
Dec	136.3	-0.8	14.5	134.4r	-	11.9		227.8	-11.2	32.1		130.3	0.8	16.2	
2023 Jan	136.9	0.5	13.4	135.3	0.6	11.1		222.0	-2.5	25.0		131.6	1.0	15.9	
Feb	136.5p	-0.4	11.9	135.0p	-0.2	10.2		209.4p	-5.7	12.6		132.5p	0.6	15.5	
Mar	136.6p	0.1	8.7	135.5p	0.3	8.5		202.4p	-3.3	-10.7		133.0p	0.4	15.0	

Source: Office for National Statistics

p = provisional  
r = revised

Manufactured Products for Domestic Market, including duty				Food products, beverages and tobacco, including duty				Coke and refined petroleum products, including duty			
percentage change over				percentage change over				percentage change over			
Index (2015=100)	1 mth	12 mths		Index (2015=100)	1 mth	12 mths		Index (2015=100)	1 mth	12 mths	
6158333333				6158888897				6148190000			
	GD73				GBA7				G6SU		
2022 Sep	135.9	-0.8	18.1	126.6r	1.0	14.7		161.5	-5.1	33.6	
Oct	137.0r	0.8	17.3	127.8r	0.9	15.2		163.3	1.1	28.5	
Nov	136.2r	-0.6	15.4	128.9	0.8	15.3		157.9	-3.3	20.7	
Dec	134.0	-1.6	13.0	129.8	0.7	15.6		146.9	-7.0	13.0	
2023 Jan	134.2	0.2	11.8	131.1	1.0	15.4		144.1	-1.9	9.5	
Feb	133.3p	-0.7	9.8	131.8p	0.6	15.0		139.3p	-3.3	3.5	
Mar	133.1p	-0.1	5.4	132.3p	0.4	14.4		136.7p	-1.9	-8.8	

Source: Office for National Statistics

p = provisional  
r = revised

**Table 2: Gross sector input prices, including Climate Change Levy<sup>1</sup>: summary (not seasonally adjusted) - CPA 2.1**

2015=100, CPA 2.1

All manufacturing (materials and fuel purchased)				All Manufacturing (materials and fuel purchased) excluding food, beverages, tobacco & petroleum				Materials purchased by manufacturing industry				Fuels purchased by manufacturing industry			
percentage change over				percentage change over				percentage change over				percentage change over			
Index (2015=100)	1 mth	12 mths		Index (2015=100)	1 mth	12 mths		Index (2015=100)	1 mth	12 mths		Index (2015=100)	1 mth	12 mths	
7390333333				7390333392				7390333397				7390333394			
GHIP				GHIO				GHIK				GHIM			
2022 Sep	153.0	1.0	21.3	148.1	1.4	17.5		151.0r	0.9	20.4		215.8	3.1	47.8	
Oct	154.3r	0.9	20.1	148.8r	0.5	16.5		152.2r	0.8	19.0		221.5	2.6	50.9	
Nov	153.9	-0.3	17.7	149.2r	0.3	15.0		151.0r	-0.8	16.5		245.7	10.9	45.7	
Dec	152.1	-1.1	16.2	148.7	-0.4	14.2		148.8	-1.5	14.1		260.6	6.1	74.4	
2023 Jan	152.7	0.4	14.6	149.3	0.4	13.3		149.6	0.6	13.1		250.6	-3.9	56.7	
Feb	152.7p	-	12.8	149.6p	0.2	12.6		149.5p	-0.1	11.0		255.8p	2.1	60.7	
Mar	153.0p	0.2	7.6	149.8p	0.1	9.2		150.0p	0.3	6.1		250.6p	-2.1	46.8	

Source: Office for National Statistics

<sup>1</sup> The Climate Change Levy was introduced in April 2001.

p = provisional

r = revised

Table 3: Output prices: Detailed by product (not seasonally adjusted) - CPA 2.1

										2015=100, CPA 2.1	
								Percentage change		Percentage change	
								1 month		12 months	
			2022	2022	2023	2023	2023	2023	2023	2023	2023
			Nov	Dec	Jan	Feb	Mar	Feb	Mar	Feb	Mar
Gross Sector											
Output of manufactured products	GB7S	6158333333	137.3r	136.3	136.9	136.5p	136.6p	-0.4	0.1	11.9	8.7
All manufacturing, excluding food, beverages, tobacco and petroleum	GBBV	6150333390	134.4r	134.4r	135.3	135.0p	135.5p	-0.2	0.3	10.2	8.5
Food products, beverages and tobacco, excluding duty	GBA6	6150888897	129.3	130.3	131.6	132.5p	133.0p	0.6	0.4	15.5	15.0
Food products	G6SI	6140100000	130.6	131.5	132.6	133.1p	133.7p	0.4	0.5	16.1	15.5
Alcoholic beverages,excluding duty	G6SJ	6140110000	117.9	119.8	122.5	125.4p	125.2p	2.4	-0.2	11.3	11.0
Soft drinks, mineral waters and other bottled waters	EVPU	6120110700	117.9	120.2	121.9	121.4p	120.8p	-0.4	-0.5	8.8	7.6
Textiles	G6SN	6140130000	117.6	118.6	120.0	120.7p	121.6p	0.6	0.7	8.4	8.6
Wearing apparel	G6SO	6140140000	111.5	111.6	112.2	112.4p	112.4p	0.2	-	3.6	3.4
Leather and related products	G6SP	6140150000	121.4	121.8	123.1	123.4p	124.1p	0.2	0.6	13.7	14.0
Wood and products of wood and cork, except furniture	G6SQ	6140160000	158.6r	158.8r	157.0	156.1p	156.6p	-0.6	0.3	3.6	3.9
Paper and paper products	G6SR	6140170000	141.7r	141.4	141.2	139.2p	138.4p	-1.4	-0.6	10.8	9.0
Printing and recording services	G6SS	6140180000	128.5r	128.4r	129.5	129.8p	130.7p	0.3	0.6	19.6	12.6
Coke and refined petroleum products, excluding duty	G6ST	6140190000	256.6	227.8	222.0	209.4p	202.4p	-5.7	-3.3	12.6	-10.7
Chemicals and chemical products	G6SV	6140200000	164.0r	163.8r	161.5	155.7p	158.3p	-3.6	1.6	13.1	9.3
Basic pharmaceutical products and pharmaceutical preparations	G6SW	6140210000	106.1	104.7	108.8	108.8p	109.1p	-0.1	0.3	3.6	4.7
Rubber and plastic products	G6SX	6140220000	137.2r	137.1r	138.0	138.5p	138.8p	0.4	0.2	10.8	10.5
Other non-metallic mineral products	G6SY	6140230000	147.1r	148.9r	152.4	154.1p	155.3p	1.1	0.8	20.3	19.9
Basic metals	G6SZ	6140240000	197.6r	191.7	192.0	193.0p	193.1p	0.5	-	9.5	-3.3
Fabricated metal products, except machinery and equipment	G6T3	6140250000	142.1r	143.2r	144.7	146.1p	146.6p	0.9	0.4	14.7	13.6
Computer, electronic and optical products	G6T5	6140260000	113.2	113.1	114.6	115.8p	116.2p	1.1	0.4	7.6	7.3
Electrical equipment	G6VF	6140270000	126.4r	126.3r	128.4	129.5p	130.0p	0.9	0.4	8.5	8.2
Machinery and equipment n.e.c.	G6VG	6140280000	127.6r	128.0r	129.9	130.4p	130.5p	0.3	0.1	11.4	10.8
Motor vehicles, trailers and semi-trailers	G6WH	6140290000	118.7r	119.4r	120.0	120.2p	120.3p	0.2	0.1	7.0	6.7
Other transport equipment	G72N	6140300000	120.3r	119.7	120.0	118.6p	118.4p	-1.1	-0.2	2.7	2.1
Furniture	G75I	6140310000	126.6	127.9	128.7	129.6p	130.4p	0.7	0.6	10.7	10.7
Other manufactured goods	G776	6140320000	111.4	111.2	111.6	111.3p	111.3p	-0.3	0.1	6.0	4.3
Repair and installation services of machinery and equipment	G777	6140330000	118.4r	117.9r	119.5	119.8p	119.9p	0.3	0.1	7.5	6.7

Source: Office for National Statistics

p = provisional  
r = revised

**Table 4: Input prices, excl Climate Change Levy<sup>1</sup>: materials and fuels purchased by selected industries (not seasonally adjusted) - CPA 2.1**

		2015=100, CPA 2.1									
							Percentage change		Percentage change		
							1 month		12 months		
		2022	2022	2023	2023	2023	2023	2023	2023	2023	
		Nov	Dec	Jan	Feb	Mar	Feb	Mar	Feb	Mar	
<b>Gross sector</b>											
Other mining & quarrying products	GHEA 7390080000	158.9r	158.1r	158.6	158.2p	157.9p	-0.2	-0.2	20.4	15.2	
Manufacture of food products, beverages, tobacco	GHHV 7390888897	148.6r	149.8r	149.8	150.0p	150.8p	0.2	0.5	18.1	17.0	
Preserved meat & meat products	GHEF 7390101000	148.6r	149.1r	148.6	149.3p	149.4p	0.5	-	16.8	15.6	
Fish, crustaceans, molluscs, fruit & vegetables	GHEH 7390333387	145.5	150.3r	147.0	145.8p	153.6p	-0.9	5.4	13.9	17.2	
Vegetable & animal oils & fats	GHEJ 7390104000	199.6	197.9	200.2	200.7p	201.3p	0.2	0.3	27.7	25.6	
Dairy products	GHEL 7390105000	159.8r	160.0r	158.9	158.5p	157.8p	-0.2	-0.5	17.2	15.1	
Grain mill products, starches & starch products	GHEN 7390106000	155.4r	155.8r	157.2	157.6p	157.3p	0.2	-0.2	20.4	19.0	
Bakery & farinaceous products	GHEP 7390107000	148.0r	148.9r	150.1	150.3p	150.3p	0.1	-	21.2	18.8	
Other food products	GHER 7390108000	139.8r	141.2	142.1	142.7p	143.2p	0.5	0.3	20.1	18.8	
Animal feeds	GHET 7390109000	153.5r	153.8	154.4	154.9p	154.3p	0.3	-0.4	19.3	16.9	
Alcoholic Beverages	GHEV 7390333384	144.0	145.9	146.8	148.1p	148.1p	0.9	-	19.5	16.9	
Soft drinks; mineral waters & other bottled waters	GHEX 7390110700	132.4r	133.5r	134.8	135.0p	135.1p	0.2	0.1	14.1	12.8	
Tobacco products	GHEZ 7390120000	160.7r	160.3r	159.0	157.6p	156.3p	-0.9	-0.8	16.6	13.4	
Manufacture of textiles & textile products; clothing	GHHW 7390888895	130.8r	131.4r	131.6	132.4p	132.6p	0.6	0.2	12.3	10.7	
Textiles	GHFB 7390130000	133.5r	134.3	134.3	135.0p	135.3p	0.5	0.2	12.9	11.2	
Wearing apparel	GHFD 7390140000	125.9	126.3	126.6	127.4p	127.7p	0.7	0.2	11.3	9.8	
Manufacture of leather & related products	GHFF 7390150000	133.3r	133.7r	134.2	134.8p	136.1p	0.5	1.0	14.1	13.4	
Manufacture of wood & wood products	GHFH 7390160000	162.2	161.8r	160.9	160.0p	160.4p	-0.6	0.2	4.9	4.2	
Manufacture of pulp, paper & paper products, recording media & printing services	GHHZ 7390888892	147.5r	148.0r	147.8	147.3p	147.0p	-0.4	-0.2	15.5	12.8	
Pulp, paper & paper products	GHFJ 7390170000	152.5r	153.2	153.0	152.4p	152.0p	-0.4	-0.2	15.9	13.2	
Printing & recording services	GHFL 7390180000	140.8r	141.1r	141.0	140.5p	140.4p	-0.4	-	14.8	12.2	
Manufacture of coke & refined petroleum products	GHFN 7390190000	228.4	201.2	203.8	199.4p	200.8p	-2.2	0.7	0.6	-21.2	
Manufacture of chemicals, chemical products & man-made fibres	GHHB 7390888890	173.4r	171.9r	169.4	165.9p	166.5p	-2.1	0.3	15.3	9.3	
Paints, varnishes & similar coatings, printing ink & mastics	GHFP 7390203000	158.9r	158.6r	157.0	155.5p	156.7p	-1.0	0.8	13.5	11.0	
Soaps, detergents, cleaning & polishing preparations, perfumes & toilet preparations	GHFR 7390204000	140.6r	140.7r	141.2	141.6p	142.7p	0.3	0.8	13.4	12.2	
Other chemical products	GHFT 7390205000	142.7r	142.7r	142.5	142.5p	145.4p	-	2.0	11.4	10.9	
Industrial gases; other basic inorganic chemicals; fertilisers & nitrogen compounds	GHFV 7390333378	208.3r	207.4r	202.3	192.8p	192.5p	-4.7	-0.2	23.2	12.6	
Petrochemicals & man made fibres	GHFX 7390333377	181.9r	178.9r	175.8	171.8p	171.8p	-2.3	-	13.7	6.5	
Dyes & pigments; pesticides & other agrochemical products	GHFZ 7390333376	169.2r	169.0	166.6	164.8p	164.8p	-1.1	-	18.1	12.1	
Manufacture of basic pharmaceutical products & pharmaceutical preparations	GHGB 7390210000	127.6r	127.4r	129.8	129.9p	130.2p	0.1	0.2	11.4	10.5	
Manufacture of rubber & plastic products	GHGD 7390220000	152.7r	153.0r	152.4	152.5p	152.9p	0.1	0.3	14.3	12.2	
Manufacture of cement, lime & plaster	GHGF 7390333375	158.8	158.9r	159.4	159.8p	160.0p	0.2	0.1	18.9	14.7	
Manufacture of glass, refractory, clay, other porcelain, ceramic stone products	GHGH 7390333374	158.4	158.3	158.2	157.5p	157.3p	-0.5	-0.1	20.0	15.0	
Manufacture of basic metals & fabricated products	GHIF 7390888884	178.0r	175.8r	176.5	177.3p	177.2p	0.5	-	13.9	6.2	
Basic iron, steel & alloys: tubes, pipes, hollow profiles	GHGJ 7390333369	199.9r	195.0r	194.8	196.6p	196.4p	1.0	-0.1	15.6	4.2	
Other basic metals & casting	GHGL 7390333368	191.4	188.5	188.9	188.2p	187.3p	-0.4	-0.5	11.5	3.6	
Weapons & ammunition	GHGN 7390254000	140.9r	141.1r	142.1	142.9p	144.6p	0.5	1.2	10.9	9.4	
Fabricated metal products, excluding machinery & equipment & weapons & ammunition	GHGP 7390333365	168.7r	167.5r	168.7	169.8p	169.8p	0.7	-	14.8	8.1	
Manufacture of computer, electronic & optical products, electrical equipment	GHIG 7390888883	137.9r	137.5r	139.1	140.1p	140.4p	0.7	0.2	12.2	9.8	
Computer, electronic & optical products	GHGR 7390260000	134.7r	134.4r	136.0	137.1p	137.4p	0.8	0.2	12.9	11.0	
Electrical equipment	GHGT 7390270000	141.5	141.0	142.6	143.6p	143.8p	0.6	0.2	11.5	8.6	
Manufacture of machinery & equipment n.e.c	GHGV 7390280000	147.0r	146.4r	148.9	150.1p	150.2p	0.8	0.1	13.2	9.5	
Manufacturing of motor vehicles & other transport equipment	GHII 7390888881	140.0	139.2	140.2	141.1p	141.2p	0.6	0.1	11.4	8.7	
Motor vehicles, trailers & semi trailers	GHGX 7390290000	134.4	134.3r	135.4	136.2p	136.2p	0.6	-	9.9	7.6	
Ships & boats	GHGZ 7390301000	145.6r	144.8r	145.1	144.6p	144.7p	-0.3	-	10.0	6.7	
Aircraft & spacecraft & related machinery	GHHB 7390303000	152.4	150.3	151.1	152.4p	152.5p	0.9	0.1	14.9	11.2	
Other transport equipment	GHHD 7390333358	124.9r	124.4r	125.7	126.3p	128.3p	0.5	1.5	7.7	7.2	
Manufacture of other manufactured goods n.e.c	GHIJ 7390888880	152.8	152.1r	152.6	152.8p	152.7p	0.1	-0.1	10.7	7.8	
Furniture	GHHF 7390310000	154.3	153.8r	153.3	153.3p	153.5p	-	0.1	7.9	5.9	
Other manufacturing	GHHH 7390320000	151.6	150.9r	152.1	152.3p	152.1p	0.2	-0.2	13.0	9.3	
Repair & maintenance of ships & boats	GHHJ 7390331500	148.5r	146.7	147.0	146.9p	146.7p	-0.1	-0.1	8.5	2.6	
Repair & maintenance services of aircraft & spacecraft	GHHL 7390331600	119.9	118.1	118.2	119.4p	119.5p	0.9	0.1	0.5	-0.7	
Other repair; installation	GHHN 7390333355	139.3	137.6	137.8	137.6p	137.7p	-0.2	-	10.7	5.9	

Source: Office for National Statistics

<sup>1</sup> Climate Change Levy is excluded from the detailed industry input index, (see background notes of the Statistical Bulletin for more detail).

**Table 5: Input prices: detailed by commodity (not seasonally adjusted) - CPA 2.1**

		2015=100, CPA 2.1									
							Percentage change 1 month		Percentage change 12 months		
		2022 Nov	2022 Dec	2023 Jan	2023 Feb	2023 Mar	2023 Feb	2023 Mar	2023 Feb	2023 Mar	
<b>Fuel excl. CCL</b>	FSQ3 7490222295	259.2	273.1	262.1	267.8p	262.2p	2.2	-2.1	64.1	48.5	
Mining of coal & lignite exc CCL	GHDW 7390050000	208.9	196.2r	189.9	188.2p	184.6p	-0.9	-1.9	25.8	8.0	
Electricity excl. CCL	GHHP 7390351000	248.6	259.6	252.4	257.1p	251.9p	1.9	-2.0	58.2	43.1	
Gas excl. CCL	GHHR 7390444499	236.7	252.3	231.1	234.9p	233.2p	1.6	-0.7	41.3	23.0	
<b>Crude Oil</b>	FSQ4 7490444498	229.3	199.8	203.3	199.4p	202.2p	-1.9	1.4	-2.5	-24.1	
Domestic crude oil & metal ores	GGT3 7190222295	234.1	200.3	209.8	202.0p	205.7p	-3.7	1.9	-1.6	-25.0	
Imported crude oil & metal ores	GHBV 7290222295	220.8	198.9	191.8	194.9p	196.2p	1.6	0.6	-4.1	-22.3	
<b>Home produced food:</b>	FSP7 7190351000	145.0r	146.1r	145.8	145.2p	146.3p	-0.4	0.8	15.2	15.1	
Products of agriculture, hunting and related services	GGO7 7190010000	166.7r	167.0r	164.6	162.7p	161.2p	-1.2	-0.9	13.9	11.9	
Fish & other fish products	GGS8 7190030000	137.6r	153.9r	138.5	129.8p	164.6p	-6.3	26.9	-1.1	22.1	
Preserved meat and meat products	GH2M 7190101000	120.7	121.7	121.8	123.2p	124.5p	1.2	1.1	12.8	13.2	
Processed fish & fish products; fruit & vegetables	GH7R 7190333387	119.2r	121.6	124.6	124.8p	125.1p	0.1	0.3	11.1	10.5	
Vegetable & animal oils and fats	GH7S 7190104000	202.9	198.3	201.4	201.8p	203.3p	0.2	0.7	32.4	35.1	
Dairy products	GH8A 7190105000	162.7	161.6	161.7	157.9p	158.8p	-2.3	0.6	22.6	21.0	
Grain mill products, starches and starch products	GH8B 7190106000	142.1r	143.9r	146.4	146.7p	146.6p	0.2	-0.1	18.1	16.7	
Bakery and Farinaceous products	GH8C 7190107000	126.0	127.8r	129.4	130.4p	131.4p	0.8	0.8	16.2	16.2	
Other Food products	GH8L 7190108000	116.4	117.1	118.6	119.5p	119.9p	0.8	0.3	14.5	13.8	
Prepared animal feeds	GH98 7190109000	158.6r	158.5r	158.9	160.6p	159.7p	1.1	-0.6	22.6	19.8	
<b>Imported food materials</b>	FSP9 7490333354	160.3	160.6	164.1	169.4p	170.9p	3.2	0.9	30.6	29.1	
Agricultural crop products	GHBQ 7290010000	136.6	135.6	137.9	151.3p	150.7p	9.7	-0.4	23.5	22.0	
Fish & fish products	GHBS 7290030000	159.9	161.4	160.7	162.8p	163.1p	1.3	0.1	16.2	7.4	
Meat & meat products	GHBX 7290101000	174.7	174.3	177.0	177.5p	185.8p	0.3	4.7	39.6	45.3	
Processed fish & fish products, fruit & vegetables	GHBY 7290333387	135.8	135.7	135.5	137.4p	140.4p	1.4	2.2	21.0	22.0	
Vegetable & animal oils & fats	GHBZ 7290104000	210.0	210.5	219.4	219.3p	217.7p	-	-0.7	17.2	8.2	
Dairy products	GHCA 7290105000	168.2	168.2	166.5	167.9p	170.9p	0.8	1.8	45.5	42.6	
Grain mill products & starches	GHCB 7290106000	165.3	166.2	182.2	184.6p	185.2p	1.3	0.3	34.7	30.3	
Bakery & farinaceous products	GHCC 7290107000	154.8	154.8	159.8	165.9p	166.3p	3.8	0.2	31.0	31.8	
Other food products	GHCD 7290108000	201.6	205.9	209.9	210.8p	210.3p	0.4	-0.2	48.6	48.4	
Prepared animal feeds	GHCE 7290109000	176.3	176.3	178.3	179.6p	178.8p	0.7	-0.5	40.8	25.7	
<b>Other home produced materials</b>	FSQ2 7490333353	157.3	153.8	153.5	151.1p	150.0p	-1.5	-0.7	10.0	4.4	
Forestry products	GGP2 7190020000	216.4	216.4	216.4	216.4p	216.4p	-	-	-3.3	-3.3	
Other mining & quarrying products exc agg	GH2L 7190080000	142.0	142.1	143.1	142.5p	143.4p	-0.4	0.7	15.8	16.0	
Textiles	GHAЕ 7190130000	117.6	118.6	120.0	120.7p	121.6p	0.6	0.7	8.4	8.6	
Wearing Apparel	GHAF 7190140000	111.5	111.6	112.2	112.4p	112.4p	0.2	-	3.6	3.4	
Leather and related products	GHAG 7190150000	121.4	121.8	123.1	123.4p	124.1p	0.2	0.6	13.7	14.0	
Wood and products of wood and cork, exc furniture	GHAH 7190160000	158.6r	158.8r	157.0	156.1p	156.6p	-0.6	0.3	3.6	3.9	
Paper and paper products	GHAL 7190170000	141.7r	141.4r	141.2	139.2p	138.4p	-1.4	-0.6	10.8	9.0	
Coke & refined petroleum products	GHAK 7190190000	256.6	227.8	222.0	209.4p	202.4p	-5.7	-3.3	12.6	-10.7	
Water collection, treatment & supply	GHBP 7190360000	110.9	110.9	110.9	110.9p	110.9p	-	-	3.6	3.6	

Source: Office for National Statistics

1 The Climate Change Levy was introduced in April 2001.

p = provisional  
r = revised

**Table 5: Input prices: detailed by commodity (not seasonally adjusted) - CPA 2.1**

								2015=100, CPA 2.1			
								Percentage change 1 month		Percentage change 12 months	
		2022	2022	2023	2023	2023		2023	2023	2023	2023
		Nov	Dec	Jan	Feb	Mar		Feb	Mar	Feb	Mar
<b>Inputs of Metals and Non-Metallic Mineral products</b>	FSQ8 7390333351	174.7r	173.0r	175.6	176.9p	177.0p	0.7	0.1		13.2	6.6
Cement, lime, plaster and articles of concrete, cement & plaster	GHGF 7390333375	158.8	158.9r	159.4	159.8p	160.0p	0.2	0.1		18.9	14.7
Glass, refractory clay, porcelain, ceramic and stone products	GHGH 7390333374	158.4	158.3	158.2	157.5p	157.3p	-0.5	-0.1		20.0	15.0
Basic iron, steel & alloys, tubes, pipes, hollow profiles and fittings	GHGJ 7390333369	199.9r	195.0r	194.8	196.6p	196.4p	1.0	-0.1		15.6	4.2
Other basic metals & casting	GHGL 7390333368	191.4	188.5	188.9	188.2p	187.3p	-0.4	-0.5		11.5	3.6
Weapons & ammunition	GHGN 7390254000	140.9r	141.1r	142.1	142.9p	144.6p	0.5	1.2		10.9	9.4
Fabricated metal products excluding weapons & ammunition	GHGP 7390333365	168.7r	167.5r	168.7	169.8p	169.8p	0.7	-		14.8	8.1
<b>Inputs of Chemicals</b>	FSQ7 7490333352	149.3r	148.4r	147.8	146.3p	147.5p	-1.0	0.8		10.6	8.6
Paints, varnishes & coatings, printing inks & other mastics	GHFP 7390203000	158.9r	158.6r	157.0	155.5p	156.7p	-1.0	0.8		13.5	11.0
Soap, detergents, cleaning & polishing preparations, perfumes & toilet preparations	GHFR 7390204000	140.6r	140.7r	141.2	141.6p	142.7p	0.3	0.8		13.4	12.2
Other chemical products	GHFT 7390205000	142.7r	142.7r	142.5	142.5p	145.4p	-	2.0		11.4	10.9
Industrial gases, inorganic chemicals, fertilisers & nitrogen compounds	GHFV 7390333378	208.3r	207.4r	202.3	192.8p	192.5p	-4.7	-0.2		23.2	12.6
Petrochemicals	GHFX 7390333377	181.9r	178.9r	175.8	171.8p	171.8p	-2.3	-		13.7	6.5
Dyes & pigments; pesticides & other agro-chemical products	GHFZ 7390333376	169.2r	169.0	166.6	164.8p	164.8p	-1.1	-		18.1	12.1
Basic pharmaceutical products & pharmaceutical preparations	GHGB 7390210000	127.6r	127.4r	129.8	129.9p	130.2p	0.1	0.2		11.4	10.5
Rubber & plastic products	GHGD 7390220000	152.7r	153.0r	152.4	152.5p	152.9p	0.1	0.3		14.3	12.2
<b>Other parts &amp; equipment</b>	FSQ9 7490333349	121.9r	121.5r	122.5	123.4p	123.5p	0.7	0.1		9.1	8.6
Computer, electronic & optical products	GHGR 7390260000	134.7r	134.4r	136.0	137.1p	137.4p	0.8	0.2		12.9	11.0
Electrical equipment	GHGT 7390270000	141.5	141.0	142.6	143.6p	143.8p	0.6	0.2		11.5	8.6
Machinery & equipment n.e.c	GHGV 7390280000	147.0r	146.4r	148.9	150.1p	150.2p	0.8	0.1		13.2	9.5
Motor vehicles, trailers & semi-trailers	GHGX 7390290000	134.4	134.3r	135.4	136.2p	136.2p	0.6	-		9.9	7.6
Ships & boats	GHGZ 7390301000	145.6r	144.8r	145.1	144.6p	144.7p	-0.3	-		10.0	6.7
Aircraft, spacecraft & related machinery	GHHB 7390303000	152.4	150.3	151.1	152.4p	152.5p	0.9	0.1		14.9	11.2
Other transport equipment	GHHD 7390333358	124.9r	124.4r	125.7	126.3p	128.3p	0.5	1.5		7.7	7.2
<b>Other Inputs</b>	FSQ6 7490111196	118.5r	118.4r	119.5	119.8p	119.9p	0.2	0.1		8.8	7.5
Printing & recording services	GHFL 7390180000	140.8r	141.1r	141.0	140.5p	140.4p	-0.4	-		14.8	12.2
Furniture	GHHF 7390310000	154.3	153.8r	153.3	153.3p	153.5p	-	0.1		7.9	5.9
Other manufactured goods n.e.c	GHHH 7390320000	151.6	150.9r	152.1	152.3p	152.1p	0.2	-0.2		13.0	9.3
Repair & maintenance of ships and boats	GHHJ 7390331500	148.5r	146.7	147.0	146.9p	146.7p	-0.1	-0.1		8.5	2.6
Repair & maintenance of aircraft and spaceships	GHHL 7390331600	119.9	118.1	118.2	119.4p	119.5p	0.9	0.1		0.5	-0.7
Rest of repair and installation	GHHN 7390333355	139.3	137.6	137.8	137.6p	137.7p	-0.2	-		10.7	5.9
<b>Imported materials:</b>											
Total Imports	GD74 8170111199	147.4r	144.1	145.3	146.0p	145.0p	0.5	-0.7		14.7	8.4

Source: Office for National Statistics

<sup>1</sup> The Climate Change Levy was introduced in April 2001.

p = provisional

r = revised

**Table 6R: Output prices: revisions (not seasonally adjusted) - CPA 2.1**

2015=100, CPA 2.1

Output of manufactured products				All manufacturing excluding food, beverages, tobacco and petroleum			
	Index (2015=100)	percentage change over		Index (2015=100)	percentage change over		
		1 mth	12 mths		1 mth	12 mths	
	6150333333			6150333390			
	GB7S			GBBV			
2022 Mar	-	-	-0.1	-	-	-0.1	
Apr	-0.1	-	-	-	-	-0.1	
May	-	-	-0.1	-	-	-0.1	
Jun	-	-	-	-0.1	-	-0.1	
Jul	-0.1	-	-0.1	-0.1	-	-0.1	
Aug	-	-	-	-	-	-0.1	
Sep	-	-	-	-0.1	-	-0.1	
Oct	-0.1	-	-	-0.1	-0.1	-	
Nov	-0.1	-	-0.1	-0.1	-	-	
Dec	-	-	-0.1	-0.1	-	-0.1	
2023 Jan	-0.1	-	-0.1	-0.1	-0.1	-0.1	
Feb	-0.2	-0.1	-0.2	-0.2	-	-0.2	

Source: Office for National Statistics

Please see Statistical Bulletin section entitled "Revisions" for further information