

PRODUCER PRICE INDEX - MANUFACTURING (PPI-M)

4th Quarter 2008

1. Introduction

The Producer Price Index (PPI-M) measures changes in the effective prices received by producers of the Manufacturing sector (excluding establishments formerly operating with Export Enterprise Certificate) for that part of their output, which is sold on the domestic market. It reflects the price trends of a constant basket of goods, representative of the output of these manufacturing industries.

This issue of the "Economic and Social Indicators" presents a series of PPI-M from 2003 to December 2008, broken down by 16 Divisions (2-digits level of the National Standard Industrial Classification of Economic Activities, NSIC) with weights based on the results of the 2002 Census of Economic Activities, and using year 2003 as base period. Indices for the Divisions 15 and 16, "Manufacture of food products, beverages and tobacco", have been further subdivided by product group and are given separately in Tables 5 to 8. Tables 9(a) and 10(a) present the monthly indices as well as the quarterly and yearly averages for the manufacturing sector and the group "Manufacture of food products, beverages and tobacco" respectively. Comparative monthly indices for the manufacturing sector and the "Food, beverages and tobacco" sub sector are given in tables 9(b) and 10(b) respectively. The methodology used for the calculation of the index is given in annex.

2. Producer Price Index (Year 2003 = 100)

2.1 Monthly index

The Producer Price Index, which stood at 176.8 in September 2008 decreased by 0.4% to reach 176.2 in December 2008. The index increased by 1.4% for the month of October and receded by 1.2% and 0.4% in November and December respectively (Table 1).

The 1.4% increase in the overall index in October was mainly due to increases in the sub-indices of "Manufacture of food products, beverages and tobacco" (+1.2%), "Manufacture of other non-metallic mineral products" (+7.1%) and "Manufacture of rubber and plastic products" (+2.0%). The increase in the sub-index of "Food products, beverages and tobacco", which accounts for nearly 50% of the overall weight, was mainly the effect of price increases in "Manufacture of grain mill products" (+8.6%), "Manufacture of vegetable and animal oils and fats" (+0.2%) and "Processing and preservation of fish and fish products" (+0.4%).

In November, the overall index fell by 1.2% due to decreases in the sub-indices of "Manufacture of other non-metallic mineral products" (-4.0%), "Manufacture of fabricated metal products" (-4.5%) and "Manufacture of basic metals" (-10.8%).

The index registered a decrease of 0.4% in December mainly due to decreases in the "Manufacture of food beverages and tobacco" (-0.2%), "Manufacture of other non mineral products" (-0.3%) and "Manufacture of basic metals" (-4.9%).

The evolution of the monthly index by NSIC group for the period 2003 to 2007 is shown in Tables 2, 3, 6 and 7.

2.2 Quarterly Index

Table 4 gives the evolution of the Producer Price Index on a quarterly basis, the quarterly index being computed as the arithmetic mean of the monthly indices. The index which was

173.7 in the third quarter of 2008 went up by 2.1% to attain 177.5 in the fourth quarter of 2008. This 2.1% growth was mainly due to increases in the sub-indices of “Manufacture of food products, beverages and tobacco” (+3.6%), “Manufacture of chemical and chemical products” (+1.0%) and “Manufacture of other non-metallic mineral products” (+4.1%). This growth was partly offset by a decrease in the sub-index “Manufacture of basic metals” (-4.2%).

Within “Food products, beverages and tobacco”, “Food products” rose by 4.2%, mostly explained by increases in “Production, processing and preservation of meat and meat products” (+2.2%), “Manufacture of grain mill products” (+15.6%) and “Manufacture of prepared animal feeds” (+4.3), whilst “Beverages and tobacco” rose by 2.0% due to higher prices of soft drinks (+5.8%) and beer (+0.2%). Details of changes are shown in Table 8.

Compared to the corresponding quarter of 2007, the overall index for the fourth quarter of 2008 went up by 16.0%. This was mostly due to increases in the sub-indices of “Manufacture of food beverages and tobacco” (+22.0%), “Manufacture of chemicals and chemical products” (+3.7%), “Manufacture of other non-metallic mineral products” (+24.7%), “Publishing, printing and reproduction of recorded media” (+4.7%), “Manufacture of fabricated metal products” (+11.0%) and “Manufacture of basic metals” (+25.4%). Other details of changes are shown in Table 4.

Within “Manufacture of food products, beverages and tobacco”, food products increased by 26.2% and beverages and tobacco went up by 12.7%. At a more detailed level, significant increases were noted in the prices of preservation of meat and meat products (+15.0%), grain mill products (+71.9%) and prepared animal feeds (+27.2%). Other details on changes that have occurred during that period are given in Tables 4 and 8.

2.3 *Yearly index*

The yearly averages since year 2003 for the sector and the group “Manufacture of food products, beverages and tobacco” are shown in Tables 9 & 10 respectively. The yearly overall index for 2008 was 169.7, i.e. 15.9% higher than the figure of 146.4 for 2007. The yearly average for “Manufacture of food products, beverages and tobacco” in 2008 was 178.6 compared to 146.6 a year ago, i.e. an increase of 21.8%.

Central Statistics Office.

Ministry of Finance and Economic Empowerment

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Contact Persons:

Mrs. F. Koussa (Statistician) or Mr. G.G Chandydyal (Senior Statistical Officer)

Statistics Unit

Ministry of Industry, Science and Research

5th Floor, Air Mauritius Bldg., Port-Louis

Tel. 211 5356

Fax: 212 8429

Table 1 - Monthly indices by NSIC group, January 2008 to December 2008 - Manufacturing Sector

NSIC	Activity group	Weight	Year 2003 = 100												Percent changes (%) from		
			Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08	Nov-08	Dec-08	Sept 08 to Oct 08	Oct 08 to Nov 08	Nov 08 to Dec 08
			15/16	Manufacture of food products, beverages and tobacco	484	168.0	170.2	172.7	174.8	175.1	174.8	177.3	181.7	185.2	187.4	188.3	187.9
17	Manufacture of textiles	20	116.9	116.9	116.9	116.9	116.9	116.9	116.9	116.9	116.9	116.9	116.9	116.9	0.0	0.0	0.0
18	Manufacture of wearing apparel	26	132.0	132.0	132.0	132.0	132.0	132.0	132.0	132.0	132.0	132.0	132.0	132.0	0.0	0.0	0.0
19	Tanning, dressing of leather, manufacture of luggage, handbags, etc.	5	114.1	114.1	114.1	117.3	117.3	117.3	117.3	117.3	117.3	117.3	117.3	117.3	0.0	0.0	0.0
20	Manufacture of wood, wood products and cork except furniture	10	182.3	183.5	179.0	179.0	179.0	179.0	182.3	182.3	182.3	182.3	182.3	182.3	0.0	0.0	0.0
21	Manufacture of paper and paper products	23	105.7	105.7	105.7	105.7	105.7	105.7	113.8	113.8	113.8	114.4	114.4	114.4	0.5	0.0	0.0
22	Publishing, printing and reproduction of recorded media	67	139.7	139.7	139.7	138.6	138.6	138.6	143.8	143.8	143.8	143.8	143.8	143.8	0.0	0.0	0.0
24	Manufacture of chemicals and chemical products	104	151.4	151.4	151.7	152.2	152.2	152.2	154.0	155.5	156.7	156.7	156.7	157.6	0.0	0.0	0.6
25	Manufacture of rubber and plastic products	26	143.8	143.8	143.8	143.4	143.8	143.3	142.3	142.3	142.3	145.1	145.1	144.2	2.0	0.0	-0.6
26	Manufacture of other non-metallic mineral products	96	149.6	149.6	149.6	149.6	149.6	149.6	163.9	163.9	163.9	175.6	168.5	167.9	7.1	-4.0	-0.3
27	Manufacture of basic metals	39	227.4	227.4	231.1	260.4	260.4	260.4	289.8	337.5	337.5	337.5	300.9	286.2	0.0	-10.8	-4.9
28	Manufacture of fabricated metal products	54	189.3	189.3	189.3	189.3	189.3	197.1	200.4	200.4	212.6	212.6	202.9	202.9	0.0	-4.5	0.0
31	Manufacture of electrical machinery and apparatus	5	273.3	273.3	273.3	273.3	273.3	234.6	206.0	206.0	206.0	206.0	206.0	196.0	0.0	0.0	-4.8
32	Manufacture of radio, television and communication equipment and apparatus	7	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	0.0	0.0	0.0
34	Manufacture of motor vehicles, trailers and semi-trailers	4	120.2	120.2	120.2	120.2	120.2	120.2	120.2	120.2	120.2	156.3	156.3	156.3	30.0	0.0	0.0
36	Manufacture of furniture, and manufacturing n.e.c.	30	131.0	131.6	131.6	131.6	131.6	131.6	131.6	131.6	131.6	131.6	131.6	132.7	0.0	0.0	0.8
15 - 36	Manufacturing sector	1,000	160.8	162.0	163.3	165.4	165.6	165.7	170.1	174.3	176.8	179.2	177.0	176.2	1.4	-1.2	-0.4

Table 2 - Monthly indices by NSIC group for the base period (Year 2003) - Manufacturing Sector

NSIC	Activity group	Weight	Jan-03	Feb-03	Mar-03	Apr-03	May-03	Jun-03	Jul-03	Aug-03	Sep-03	Oct-03	Nov-03	Dec-03	Average year 2003
15/16	Manufacture of food products, beverages and tobacco	484	97.9	98.1	98.6	99.2	99.7	99.8	99.9	100.4	100.5	101.7	101.8	102.6	100.0
17	Manufacture of textiles	20	99.3	99.3	99.3	99.3	99.3	99.3	100.7	100.7	100.7	100.7	100.7	100.7	100.0
18	Manufacture of wearing apparel	26	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
19	Tanning, dressing of leather, manufacture of luggage, handbags, etc.	5	97.7	97.7	94.5	96.1	96.1	96.1	103.6	103.6	103.6	103.6	103.6	103.6	100.0
20	Manufacture of wood, wood products and cork except furniture	10	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
21	Manufacture of paper and paper products	23	100.1	100.1	100.1	100.1	100.2	100.0	99.9	99.9	99.9	100.0	99.9	99.9	100.0
22	Publishing, printing and reproduction of recorded media	67	99.2	99.2	99.2	99.2	99.2	99.2	100.8	100.8	100.8	100.8	100.8	100.8	100.0
24	Manufacture of chemicals and chemical products	104	98.6	98.6	98.6	98.6	99.1	99.7	99.7	99.7	101.6	101.6	101.9	102.1	100.0
25	Manufacture of rubber and plastic products	26	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
26	Manufacture of other non-metallic mineral products	96	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	103.3	103.3	103.3	103.3	100.0
27	Manufacture of basic metals	39	97.1	97.1	97.1	97.1	97.1	97.1	97.1	104.0	104.0	104.0	104.0	104.0	100.0
28	Manufacture of fabricated metal products	54	98.7	98.7	98.7	98.7	98.7	98.7	100.0	101.5	101.5	101.5	101.5	101.5	100.0
31	Manufacture of electrical machinery and apparatus	5	100.4	100.4	105.6	105.6	105.6	105.6	96.1	96.1	96.1	96.1	96.1	96.1	100.0
32	Manufacture of radio, television and communication equipment and apparatus	7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
34	Manufacture of motor vehicles, trailers and semi-trailers	4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
36	Manufacture of furniture, and manufacturing n.e.c.	30	99.4	99.4	99.7	99.7	99.7	99.7	99.8	99.8	99.9	100.7	101.0	101.3	100.0
15 - 36	Manufacturing sector	1,000	98.4	98.5	98.8	99.1	99.3	99.5	99.7	100.3	101.0	101.6	101.7	102.1	100.0

Table 3a - Monthly indices by NSIC group, 2004 - Manufacturing Sector

Year 2003 = 100

NSIC	Activity group	Weight	Jan-04	Feb-04	Mar-04	Apr-04	May-04	Jun-04	Jul-04	Aug-04	Sep-04	Oct-04	Nov-04	Dec-04	Average year 2004
15/16	Manufacture of food products, beverages and tobacco	484	104.4	105.2	106.5	107.2	107.7	108.5	108.9	109.3	110.6	110.3	110.7	111.4	108.4
17	Manufacture of textiles	20	100.7	100.7	100.7	100.7	100.7	100.7	100.7	100.7	100.7	100.7	100.7	100.7	100.7
18	Manufacture of wearing apparel	26	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	107.7	107.7	107.7	101.9
19	Tanning, dressing of leather, manufacture of luggage, handbags, etc.	5	103.6	103.6	103.6	107.5	107.5	108.1	109.9	109.9	109.9	110.6	111.1	112.4	108.1
20	Manufacture of wood, wood products and cork except furniture	10	102.8	102.8	102.8	102.8	102.8	102.8	102.8	102.8	102.8	102.8	102.0	102.0	102.6
21	Manufacture of paper and paper products	23	98.5	98.3	98.3	98.3	98.3	98.3	98.4	98.5	98.5	98.4	98.5	98.4	98.4
22	Publishing, printing and reproduction of recorded media	67	100.8	100.8	100.8	100.8	100.8	100.8	104.5	104.5	104.5	104.5	104.5	104.5	102.7
24	Manufacture of chemicals and chemical products	104	103.0	103.7	103.7	104.4	104.4	104.4	105.4	108.2	109.8	110.2	110.2	110.2	106.5
25	Manufacture of rubber and plastic products	26	100.0	100.0	100.0	105.0	105.0	105.7	105.8	107.9	107.9	108.9	116.3	115.6	106.5
26	Manufacture of other non-metallic mineral products	96	103.3	103.3	103.3	103.3	103.3	103.3	103.3	103.3	103.6	103.6	103.6	103.6	103.4
27	Manufacture of basic metals	39	104.0	104.0	104.0	104.0	104.0	145.2	145.2	145.2	145.2	145.2	145.2	145.2	128.1
28	Manufacture of fabricated metal products	54	101.5	102.9	102.9	106.5	106.5	111.2	113.4	113.4	113.4	113.4	113.4	113.7	109.3
31	Manufacture of electrical machinery and apparatus	5	96.1	96.1	103.7	103.7	116.0	116.0	116.0	116.0	116.0	116.0	127.1	127.1	112.5
32	Manufacture of radio, television and communication equipment and apparatus	7	127.5	127.5	127.5	127.5	127.5	127.5	127.5	127.5	127.5	127.5	127.5	127.5	127.5
34	Manufacture of motor vehicles, trailers and semi-trailers	4	103.4	103.4	103.4	103.4	103.4	103.4	103.4	103.4	103.4	103.4	103.4	103.4	103.4
36	Manufacture of furniture, and manufacturing n.e.c.	30	101.3	101.3	101.3	101.3	101.3	101.3	102.5	105.2	105.2	105.4	105.4	105.6	103.1
15 - 36	Manufacturing sector	1,000	103.3	103.8	104.5	105.3	105.6	107.8	108.5	109.2	110.0	110.1	110.6	110.9	107.5

Table 3b - Monthly indices by NSIC group, 2005 - Manufacturing Sector

															Year 2003 = 100
NSIC	Activity group	Weight	Jan-05	Feb-05	Mar-05	Apr-05	May-05	Jun-05	Jul-05	Aug-05	Sep-05	Oct-05	Nov-05	Dec-05	Average year 2005
15/16	Manufacture of food products, beverages and tobacco	484	111.6	111.8	111.8	112.3	112.3	112.3	116.7	116.8	116.8	117.2	118.2	118.4	114.7
17	Manufacture of textiles	20	107.3	107.3	107.3	107.3	107.3	107.3	107.3	107.3	107.3	107.3	107.3	107.3	107.3
18	Manufacture of wearing apparel	26	107.7	107.7	107.7	107.7	107.7	116.8	116.8	116.8	116.8	120.7	120.7	120.7	114.0
19	Tanning, dressing of leather, manufacture of luggage, handbags, etc.	5	112.4	115.5	115.5	115.5	115.5	116.0	120.4	120.4	120.4	116.9	116.9	116.9	116.9
20	Manufacture of wood, wood products and cork except furniture	10	101.9	101.9	101.9	103.9	103.9	103.9	105.9	105.9	105.9	105.9	108.3	108.3	104.8
21	Manufacture of paper and paper products	23	102.3	102.4	102.8	103.9	103.9	104.0	103.4	103.4	103.4	104.8	104.8	104.8	103.7
22	Publishing, printing and reproduction of recorded media	67	104.5	104.5	104.5	104.5	104.5	104.5	104.5	104.5	104.5	106.2	106.2	113.9	105.6
24	Manufacture of chemicals and chemical products	104	115.8	117.0	117.0	117.0	117.0	117.0	117.0	117.4	117.4	118.4	118.4	118.4	117.3
25	Manufacture of rubber and plastic products	26	109.4	109.4	109.0	117.0	117.7	117.5	117.5	117.5	117.5	118.2	120.2	120.2	115.9
26	Manufacture of other non-metallic mineral products	96	110.7	110.7	110.7	110.7	110.7	110.7	110.7	110.7	110.7	110.7	110.7	115.0	111.1
27	Manufacture of basic metals	39	145.2	145.2	145.2	140.0	145.4	134.6	142.8	136.8	132.7	145.7	145.7	145.7	142.1
28	Manufacture of fabricated metal products	54	126.6	128.7	128.7	129.4	132.3	132.3	132.3	132.3	132.3	132.3	132.3	132.3	131.0
31	Manufacture of electrical machinery and apparatus	5	127.1	127.1	138.4	138.4	138.4	138.4	138.4	138.4	145.9	145.9	145.9	145.9	139.0
32	Manufacture of radio, television and communication equipment and apparatus	7	150.0	150.0	150.0	125.0	125.0	127.5	127.5	122.5	131.3	131.3	131.3	131.3	133.5
34	Manufacture of motor vehicles, trailers and semi-trailers	4	107.0	107.0	107.0	107.0	107.0	107.0	107.0	107.0	107.0	107.0	107.0	107.0	107.0
36	Manufacture of furniture, and manufacturing n.e.c.	30	109.1	109.1	109.2	109.2	109.2	109.2	109.3	109.4	109.4	109.8	109.8	110.5	109.4
15 - 36	Manufacturing sector	1,000	113.3	113.7	113.7	113.9	114.3	114.1	116.6	116.4	116.3	117.4	117.9	119.0	115.5

Table 3c - Monthly indices by NSIC group, 2006 - Manufacturing Sector

															Year 2003 = 100
NSIC	Activity group	Weight	Jan-06	Feb-06	Mar-06	Apr-06	May-06	Jun-06	Jul-06	Aug-06	Sep-06	Oct-06	Nov-06	Dec-06	Average year 2006
15/16	Manufacture of food products, beverages and tobacco	484	119.8	120.2	121.8	122.7	123.2	123.9	126.0	126.6	127.1	128.8	129.2	132.0	125.1
17	Manufacture of textiles	20	107.3	107.3	107.3	107.3	107.3	114.5	114.5	114.5	114.5	114.5	114.5	114.5	111.5
18	Manufacture of wearing apparel	26	120.7	120.7	120.7	120.7	120.7	120.7	120.7	132.0	132.0	132.0	132.0	132.0	125.4
19	Tanning, dressing of leather, manufacture of luggage, handbags, etc.	5	116.9	116.9	116.9	112.7	112.7	112.7	113.3	113.3	113.3	113.3	113.3	113.3	114.1
20	Manufacture of wood, wood products and cork except furniture	10	110.2	110.2	110.2	110.2	117.9	118.1	118.1	118.1	118.1	118.1	151.5	151.5	121.0
21	Manufacture of paper and paper products	23	105.3	105.3	105.6	105.6	105.6	105.6	105.6	105.6	105.6	105.6	105.6	105.6	105.5
22	Publishing, printing and reproduction of recorded media	67	113.9	113.9	117.7	117.7	132.2	132.2	132.2	132.2	132.2	132.2	132.2	132.2	126.7
24	Manufacture of chemicals and chemical products	104	121.8	121.8	121.8	121.8	122.6	122.6	129.5	129.5	129.5	130.7	131.2	131.2	126.2
25	Manufacture of rubber and plastic products	26	119.7	120.2	120.2	123.6	123.6	123.6	123.8	123.8	129.9	129.8	129.8	129.8	124.8
26	Manufacture of other non-metallic mineral products	96	118.4	118.4	118.4	123.0	123.0	123.0	123.0	127.6	127.6	123.0	127.6	127.6	123.4
27	Manufacture of basic metals	39	145.7	145.7	145.7	145.7	145.7	145.7	145.7	145.7	145.7	145.7	175.1	175.1	150.6
28	Manufacture of fabricated metal products	54	137.1	137.1	137.1	138.5	138.5	150.0	153.4	153.4	157.8	159.2	159.2	166.5	149.0
31	Manufacture of electrical machinery and apparatus	5	164.1	164.1	164.1	193.5	193.5	236.1	236.1	236.1	253.0	253.0	253.0	253.0	216.6
32	Manufacture of radio, television and communication equipment and apparatus	7	131.3	131.3	131.3	131.3	128.1	128.1	128.1	128.1	128.1	128.1	128.1	128.1	129.2
34	Manufacture of motor vehicles, trailers and semi-trailers	4	110.6	110.6	110.6	110.6	110.6	110.6	110.6	110.6	110.6	110.6	110.6	110.6	110.6
36	Manufacture of furniture, and manufacturing n.e.c.	30	116.9	118.5	118.9	119.4	119.9	120.1	120.1	120.1	120.1	120.1	120.1	120.1	119.5
15 - 36	Manufacturing sector	1,000	120.9	121.2	122.3	123.4	124.8	126.1	128.0	129.0	129.8	130.4	132.5	134.3	126.9

Table 3d - Monthly indices by NSIC group, 2007 - Manufacturing Sector

Year 2003 = 100

NSIC	Activity group	Weight	Jan-07	Feb-07	Mar-07	Apr-07	May-07	Jun-07	Jul-07	Aug-07	Sep-07	Oct-07	Nov-07	Dec-07	Average year 2007
15/16	Manufacture of food products, beverages and tobacco	484	135.5	136.9	138.0	146.0	146.2	146.6	148.9	148.8	150.9	150.8	155.3	155.8	146.6
17	Manufacture of textiles	20	109.7	109.7	109.7	109.7	109.7	109.7	109.7	109.7	109.7	109.7	109.7	109.7	109.7
18	Manufacture of wearing apparel	26	132.0	132.0	132.0	132.0	132.0	132.0	132.0	132.0	132.0	132.0	132.0	132.0	132.0
19	Tanning, dressing of leather, manufacture of luggage, handbags, etc.	5	113.8	113.8	114.1	114.1	114.1	114.1	114.1	114.1	114.1	114.1	114.1	114.1	114.1
20	Manufacture of wood, wood products and cork except furniture	10	151.5	151.5	159.3	159.3	159.3	162.7	166.9	166.9	165.9	188.0	188.0	188.0	167.3
21	Manufacture of paper and paper products	23	105.6	105.6	105.6	106.4	106.4	106.4	105.7	105.7	105.7	105.7	105.7	105.7	105.8
22	Publishing, printing and reproduction of recorded media	67	132.2	132.2	132.2	136.1	136.1	136.1	136.1	136.1	136.1	136.1	136.1	139.7	135.4
24	Manufacture of chemicals and chemical products	104	132.0	132.5	134.2	143.6	143.6	143.6	144.2	144.2	150.3	151.4	151.4	151.4	143.5
25	Manufacture of rubber and plastic products	26	131.8	131.8	131.8	135.7	135.7	135.7	138.1	138.1	137.3	143.8	143.8	143.8	137.3
26	Manufacture of other non-metallic mineral products	96	130.4	130.4	130.4	130.4	130.4	130.4	132.0	132.0	132.0	136.8	136.8	136.8	132.4
27	Manufacture of basic metals	39	175.1	175.1	175.1	175.1	175.1	267.8	267.8	267.8	267.8	267.8	234.7	234.7	223.7
28	Manufacture of fabricated metal products	54	168.7	178.9	178.9	178.9	178.9	178.9	180.0	180.0	183.0	183.0	183.0	191.1	180.3
31	Manufacture of electrical machinery and apparatus	5	253.0	253.0	253.0	253.0	253.0	253.0	273.3	273.3	273.3	273.3	273.3	273.3	263.1
32	Manufacture of radio, television and communication equipment and apparatus	7	131.3	131.3	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	126.0
34	Manufacture of motor vehicles, trailers and semi-trailers	4	110.6	110.6	110.6	114.2	114.2	114.2	114.2	114.2	114.2	117.8	117.8	117.8	114.2
36	Manufacture of furniture, and manufacturing n.e.c.	30	121.7	125.4	125.4	125.4	125.4	125.4	125.4	126.1	126.1	128.2	128.2	128.2	125.9
15 - 36	Manufacturing sector	1,000	136.5	137.9	138.6	143.8	143.9	147.8	149.4	149.3	151.1	152.1	153.0	153.9	146.4

Table 4 - Quarterly indices by NSIC group, 1st Quarter 2007 to 4th Quarter 2008 - Manufacturing Sector

Year 2003 = 100

NSIC	Activity group	Weight	2007				2008				Percent changes (%) from	
			1st Qr.	2nd Qr.	3rd Qr.	4th Qr.	1st Qr.	2nd Qr.	3rd Qr.	4th Qr.	3rd Qr. 08 to 4th Qr. 08	4th Qr. 07 to 4th Qr. 08
15/16	Manufacture of food products, beverages and tobacco	484	136.8	146.3	149.6	153.9	170.3	174.9	181.4	187.9	3.6	22.0
17	Manufacture of textiles	20	109.7	109.7	109.7	109.7	116.9	116.9	116.9	116.9	0.0	6.5
18	Manufacture of wearing apparel	26	132.0	132.0	132.0	132.0	132.0	132.0	132.0	132.0	0.0	0.0
19	Tanning, dressing of leather, manufacture of luggage, handbags, etc.	5	113.9	114.1	114.1	114.1	114.1	117.3	117.3	117.3	0.0	2.8
20	Manufacture of wood, wood products and cork except furniture	10	154.1	160.5	166.5	188.0	181.6	179.0	182.3	182.3	0.0	-3.0
21	Manufacture of paper and paper products	23	105.6	106.4	105.7	105.7	105.7	105.7	113.8	114.4	0.5	8.2
22	Publishing, printing and reproduction of recorded media	67	132.2	136.1	136.1	137.3	139.7	138.6	143.8	143.8	0.0	4.7
24	Manufacture of chemicals and chemical products	104	132.9	143.6	146.2	151.4	151.5	152.2	155.4	157.0	1.0	3.7
25	Manufacture of rubber and plastic products	26	131.8	135.7	137.8	143.8	143.8	143.5	142.3	144.8	1.8	0.7
26	Manufacture of other non-metallic mineral products	96	130.4	130.4	132.0	136.8	149.6	149.6	163.9	170.6	4.1	24.7
27	Manufacture of basic metals	39	175.1	206.0	267.8	245.8	228.6	260.4	321.6	308.2	-4.2	25.4
28	Manufacture of fabricated metal products	54	175.5	178.9	181.0	185.7	189.3	191.9	204.5	206.1	0.8	11.0
31	Manufacture of electrical machinery and apparatus	5	253.0	253.0	273.3	273.3	273.3	260.4	206.0	202.6	-1.6	-25.8
32	Manufacture of radio, television and communication equipment and apparatus	7	129.2	125.0	125.0	125.0	125.0	125.0	125.0	125.0	0.0	0.0
34	Manufacture of motor vehicles, trailers and semi-trailers	4	110.6	114.2	114.2	117.8	120.2	120.2	120.2	156.3	30.0	32.7
36	Manufacture of furniture, and manufacturing n.e.c.	30	124.1	125.4	125.9	128.2	131.4	131.6	131.6	131.9	0.3	2.9
15 - 36	Manufacturing sector	1,000	137.7	145.2	150.0	153.0	162.0	165.6	173.7	177.5	2.1	16.0

Table 5 - Food products, Beverages and Tobacco: Monthly indices by NSIC Group, January 2008 to December 2008

NSIC	Activity group	Weight	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08	Nov-08	Dec-08	Year 2003 = 100		
															Percent changes (%) from		
															Sept 08 to Oct 08	Oct 08 to Nov 08	Nov 08 to Dec 08
151-154	Manufacture of Food products	324	177.1	180.5	184.2	186.5	186.9	186.5	190.1	192.2	197.3	200.7	202.0	201.3	1.7	0.6	-0.3
1511	Production, processing and preservation of meat and meat products	91	153.6	155.8	159.5	161.9	161.9	161.9	165.6	165.6	172.3	172.3	172.3	169.7	0.0	0.0	-1.5
1512	Proc. and preservation of fish and fish products	7	168.7	168.7	168.7	169.6	169.6	169.6	174.6	174.6	174.6	175.4	175.4	175.4	0.4	0.0	0.0
1513	Proc. and preserving of fruits and vegetables	21	145.8	145.8	145.8	146.4	146.4	152.4	152.4	152.4	152.4	152.4	152.4	152.4	0.0	0.0	0.0
1514	Manufacture of vegetable and animal oils and fats	39	165.8	165.8	191.3	192.0	192.9	192.9	192.3	193.3	193.3	193.7	192.3	192.3	0.2	-0.7	0.0
1520	Manufacture of dairy products	30	176.4	176.4	176.4	173.3	173.3	173.3	173.3	173.3	174.5	173.5	173.5	173.5	-0.6	0.0	0.0
1531	Manufacture of grain mill products	46	263.9	254.4	250.7	263.9	265.3	260.1	255.5	269.0	277.7	301.7	312.7	312.7	8.6	3.7	0.0
1533	Manufacture of prepared animal feeds	43	185.8	215.6	215.6	215.6	215.6	215.6	215.6	215.6	229.9	229.9	229.9	229.9	0.0	0.0	0.0
1541	Manufacture of bakery products, of which	22	183.6	184.2	184.2	184.2	184.2	184.2	187.4	188.0	188.0	188.0	188.0	188.0	0.0	0.0	0.0
15411/ 15412	<i>Bread manufacturing with or without pastry</i>	17	196.0	196.0	196.0	196.0	196.0	196.0	200.1	200.1	200.1	200.1	200.1	200.1	0.0	0.0	0.0
15413	<i>Biscuits manufacturing</i>	5	141.5	144.2	144.2	144.2	144.2	144.2	144.2	146.9	146.9	146.9	146.9	146.9	0.0	0.0	0.0
1542	Manufacture of sugar	10	100.0	100.0	100.0	100.0	100.0	100.0	194.8	194.8	194.8	194.8	194.8	194.8	0.0	0.0	0.0
1543	Man. of cocoa, chocolate and sugar confectionery	1	114.7	114.7	114.7	114.7	114.7	114.7	114.7	124.7	124.7	124.7	124.7	124.7	0.0	0.0	0.0
1544	Man. of macaroni, noodles and similar products	6	183.7	184.9	184.9	184.9	184.9	184.9	184.9	184.9	184.9	184.9	184.9	184.9	0.0	0.0	0.0
1549	Manufacture of other food products	8	128.0	132.9	135.1	134.6	135.7	135.5	135.5	135.0	135.6	135.0	130.4	132.1	-0.4	-3.4	1.3
155/16	Manufacture of Beverages and Tobacco	160	149.4	149.4	149.4	151.1	151.2	151.2	151.4	160.6	160.6	160.6	160.6	160.6	0.0	0.0	0.0
1551	Distilling, blending & bottling of spirit	43	117.7	117.7	117.7	117.7	117.7	117.7	117.7	117.7	117.7	117.7	117.7	117.7	0.0	0.0	0.0
1552	Wine	11	154.5	154.5	154.5	178.6	179.9	179.9	179.9	179.9	180.9	180.9	180.9	180.9	0.0	0.0	0.0
1553	Beer	28	195.1	195.1	195.1	195.1	195.1	195.1	195.1	196.4	196.4	196.4	196.4	196.4	0.0	0.0	0.0
1554	Soft drinks	53	136.8	136.8	136.8	136.8	136.8	136.8	137.5	164.5	164.5	164.5	164.5	164.5	0.0	0.0	0.0
1600	Manufacture of tobacco products	25	177.3	177.3	177.3	177.3	177.3	177.3	177.3	177.3	177.3	177.3	177.3	177.3	0.0	0.0	0.0
15/16	Manufacture of Food, Beverages and Tobacco	484	168.0	170.2	172.7	174.8	175.1	174.8	177.3	181.7	185.2	187.4	188.3	187.9	1.2	0.5	-0.2

Table 6 - Food products, Beverages and Tobacco: Monthly indices by NSIC Group for the base period (Year 2003)

NSIC	Activity group	Weight	Jan-03	Feb-03	Mar-03	Apr-03	May-03	Jun-03	Jul-03	Aug-03	Sep-03	Oct-03	Nov-03	Dec-03	Average year 2003
151-154	Manufacture of Food products	324	98.7	99.0	99.6	99.6	99.6	99.6	99.7	100.2	100.4	100.9	101.2	101.5	100.0
1511	Production, processing and preservation of meat and meat products	91	99.2	99.2	99.2	99.2	99.2	99.2	99.2	101.1	101.1	101.1	101.1	101.1	100.0
1512	Proc. and preservation of fish and fish products	7	98.2	98.2	100.2	100.2	100.2	100.2	100.2	100.2	100.2	100.8	100.8	100.8	100.0
1513	Proc. and preserving of fruits and vegetables	21	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	101.3	102.3	102.3	104.0	100.0
1514	Manufacture of vegetable and animal oils and fats	39	92.0	92.6	101.5	101.5	101.5	101.5	101.5	101.5	101.5	101.5	101.5	101.5	100.0
1520	Manufacture of dairy products	30	99.1	99.1	99.1	99.1	99.1	99.1	99.7	99.7	99.7	99.7	102.8	104.1	100.0
1531	Manufacture of grain mill products	46	103.9	103.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	100.0
1533	Manufacture of prepared animal feeds	43	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	102.5	102.5	102.5	100.0
1541	Manufacture of bakery products, of which	22	95.2	97.9	100.0	100.0	100.0	100.0	100.8	100.8	100.8	101.5	101.5	101.5	100.0
15411/ 15412	<i>Bread manufacturing with or without pastry</i>	17	94.0	97.6	100.2	100.2	100.2	100.2	101.3	101.3	101.3	101.3	101.3	101.3	100.0
15413	<i>Biscuits manufacturing</i>	5	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	102.2	102.2	102.2	100.0
1542	Manufacture of sugar	10	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1543	Man. of cocoa, chocolate and sugar confectionery	1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1544	Man. of macaroni, noodles and similar products	6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1549	Manufacture of other food products	8	100.8	100.4	100.0	99.6	99.8	100.5	100.4	100.5	99.5	99.5	99.5	99.5	100.0
155/16	Manufacture of Beverages and Tobacco	160	96.2	96.2	96.7	98.4	99.9	100.2	100.2	100.6	100.6	103.1	103.1	104.8	100.0
1551	Distilling, blending & bottling of spirit	43	97.7	97.7	99.7	99.7	99.7	99.7	99.7	101.2	101.2	101.2	101.2	101.2	100.0
1552	Wine	11	97.2	97.2	97.2	100.5	100.5	100.5	100.5	101.2	101.2	101.2	101.2	101.2	100.0
1553	Beer	28	90.2	90.2	90.2	98.6	98.6	98.6	98.6	98.6	98.6	112.6	112.6	112.6	100.0
1554	Soft drinks	53	97.0	97.0	97.0	97.0	101.5	101.5	101.5	101.5	101.5	101.5	101.5	101.5	100.0
1600	Manufacture of tobacco products	25	98.0	98.0	98.0	98.0	98.0	99.8	99.8	99.8	99.8	99.8	99.8	111.1	100.0
15/16	Manufacture of Food, Beverages and Tobacco	484	97.9	98.1	98.6	99.2	99.7	99.8	99.9	100.4	100.5	101.7	101.8	102.6	100.0

Table 7a - Food products, Beverages and Tobacco: Monthly indices by NSIC Group, 2004

Year 2003 = 100

NSIC	Activity group	Weight	Jan-04	Feb-04	Mar-04	Apr-04	May-04	Jun-04	Jul-04	Aug-04	Sep-04	Oct-04	Nov-04	Dec-04	Average year 2004
151-154	Manufacture of Food products	324	104.1	105.3	107.2	108.3	109.0	109.0	109.5	110.1	111.6	110.9	110.7	111.6	109.0
1511	Production, processing and preservation of meat and meat products	91	101.1	104.2	104.2	107.2	107.2	107.2	107.4	107.8	107.8	107.8	107.8	107.8	106.4
1512	Proc. and preservation of fish and fish products	7	108.4	108.4	108.4	118.5	118.5	118.5	120.0	120.0	120.0	121.9	121.9	121.9	117.2
1513	Proc. and preserving of fruits and vegetables	21	104.0	104.0	104.0	104.0	104.0	104.0	105.5	105.5	109.2	109.2	109.2	109.2	106.0
1514	Manufacture of vegetable and animal oils and fats	39	101.5	101.5	101.5	101.8	105.6	105.6	105.6	105.6	105.6	106.0	106.0	106.1	104.4
1520	Manufacture of dairy products	30	104.1	104.1	104.1	104.1	104.1	104.1	104.1	108.9	108.9	108.9	108.9	112.6	106.4
1531	Manufacture of grain mill products	46	116.9	116.9	116.9	116.9	118.3	118.3	120.2	120.2	128.9	122.5	121.4	121.4	119.9
1533	Manufacture of prepared animal feeds	43	102.5	102.5	116.1	116.1	116.1	116.1	116.1	116.1	116.1	116.1	116.1	120.5	114.2
1541	Manufacture of bakery products, of which	22	101.5	105.4	106.7	106.8	106.8	106.8	107.3	107.3	107.3	108.6	108.6	108.6	106.8
15411/ 15412	<i>Bread manufacturing with or without pastry</i>	17	101.3	106.3	106.3	106.3	106.3	106.3	106.3	106.3	106.3	108.0	108.0	108.0	106.3
15413	<i>Biscuits manufacturing</i>	5	102.2	102.2	108.2	108.4	108.4	108.4	110.5	110.5	110.5	110.5	110.5	110.5	108.4
1542	Manufacture of sugar	10	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1543	Man. of cocoa, chocolate and sugar confectionery	1	108.0	108.0	108.0	108.0	108.0	108.0	108.0	108.0	108.0	108.0	108.0	108.0	108.0
1544	Man. of macaroni, noodles and similar products	6	100.0	100.0	100.7	102.0	108.1	108.1	108.1	108.1	108.1	108.1	108.1	108.1	105.6
1549	Manufacture of other food products	8	98.8	98.8	98.8	99.6	98.1	97.7	98.7	100.0	98.6	98.9	97.9	97.9	98.7
155/16	Manufacture of Beverages and Tobacco	160	105.0	105.0	105.0	105.0	105.0	107.4	107.6	107.6	108.5	109.3	110.8	110.8	107.2
1551	Distilling, blending & bottling of spirit	43	101.2	101.2	101.2	101.2	101.2	98.3	98.5	98.5	98.5	98.5	104.0	104.0	100.5
1552	Wine	11	101.2	101.2	101.2	101.2	101.2	101.2	102.1	102.1	115.9	126.9	126.9	126.9	109.0
1553	Beer	28	112.6	112.6	112.6	112.6	112.6	130.9	130.9	130.9	130.9	130.9	130.9	130.9	123.3
1554	Soft drinks	53	102.0	102.0	102.0	102.0	102.0	102.0	102.3	102.3	102.3	102.3	102.3	102.3	102.2
1600	Manufacture of tobacco products	25	111.1	111.1	111.1	111.1	111.1	110.7	110.7	110.7	110.7	110.7	110.7	110.7	110.8
15/16	Manufacture of Food, Beverages and Tobacco	484	104.4	105.2	106.5	107.2	107.7	108.5	108.9	109.3	110.6	110.3	110.7	111.4	108.4

Table 7b - Food products, Beverages and Tobacco: Monthly indices by NSIC Group, 2005

Year 2003 = 100

NSIC	Activity group	Weight	Jan-05	Feb-05	Mar-05	Apr-05	May-05	Jun-05	Jul-05	Aug-05	Sep-05	Oct-05	Nov-05	Dec-05	Average year 2005
151-154	Manufacture of Food products	324	111.7	111.6	111.7	112.1	112.1	112.1	115.2	115.5	115.4	116.0	116.1	116.2	113.8
1511	Production, processing and preservation of meat and meat products	91	107.8	107.8	107.8	107.9	107.9	107.9	110.4	110.7	111.1	111.2	111.5	111.5	109.5
1512	Proc. and preservation of fish and fish products	7	135.2	135.2	135.2	135.2	135.2	135.2	135.9	135.9	135.9	136.7	136.7	136.7	135.7
1513	Proc. and preserving of fruits and vegetables	21	109.2	109.2	109.2	109.2	110.2	110.2	121.6	121.6	121.6	121.6	121.6	121.6	115.6
1514	Manufacture of vegetable and animal oils and fats	39	106.1	106.2	106.2	106.2	106.2	106.2	106.2	106.2	104.3	104.3	104.3	104.3	105.6
1520	Manufacture of dairy products	30	121.2	121.2	121.2	121.2	121.2	121.2	123.9	123.9	123.9	123.9	123.9	124.4	122.6
1531	Manufacture of grain mill products	46	114.2	114.2	114.2	115.6	115.6	115.6	117.1	117.1	117.1	117.1	117.1	117.1	116.0
1533	Manufacture of prepared animal feeds	43	120.5	120.5	120.5	120.5	120.5	120.5	129.8	129.8	129.8	129.8	129.8	129.8	125.2
1541	Manufacture of bakery products, of which	22	108.6	108.6	108.6	109.9	109.9	109.9	109.9	109.9	109.9	118.1	118.1	118.1	111.6
15411/ 15412	<i>Bread manufacturing with or without pastry</i>	17	108.0	108.0	108.0	108.0	108.0	108.0	108.0	108.0	108.0	118.6	118.6	118.6	110.7
15413	<i>Biscuits manufacturing</i>	5	110.5	110.5	110.5	116.4	116.4	116.4	116.4	116.4	116.4	116.4	116.4	116.4	114.9
1542	Manufacture of sugar	10	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1543	Man. of cocoa, chocolate and sugar confectionery	1	108.0	108.0	108.0	108.0	108.0	108.0	108.0	108.0	108.0	108.0	108.0	108.0	108.0
1544	Man. of macaroni, noodles and similar products	6	108.1	108.1	108.1	108.8	108.8	108.8	108.8	116.3	116.3	116.3	116.3	116.3	111.7
1549	Manufacture of other food products	8	97.8	96.1	95.7	99.2	98.2	98.2	97.2	97.8	99.7	100.3	100.3	101.2	98.5
155/16	Manufacture of Beverages and Tobacco	160	111.5	112.1	112.1	112.8	112.8	112.8	119.6	119.6	119.6	119.6	122.4	122.8	116.5
1551	Distilling, blending & bottling of spirit	43	104.0	106.3	106.3	106.3	106.3	106.3	106.3	106.3	106.3	106.3	116.2	117.7	107.9
1552	Wine	11	126.9	126.9	126.9	137.1	137.1	137.1	138.9	138.9	138.9	138.9	138.9	138.9	135.5
1553	Beer	28	130.9	130.9	130.9	130.9	130.9	130.9	130.9	130.9	130.9	130.9	130.9	130.9	130.9
1554	Soft drinks	53	104.4	104.4	104.4	104.4	104.4	104.4	104.4	104.4	104.4	104.4	104.8	104.8	104.5
1600	Manufacture of tobacco products	25	110.7	110.7	110.7	110.7	110.7	110.7	153.5	153.5	153.5	153.5	153.5	153.5	132.1
15/16	Manufacture of Food, Beverages and Tobacco	484	111.6	111.8	111.8	112.3	112.3	112.3	116.7	116.8	116.8	117.2	118.2	118.4	114.7

Table 7c - Food products, Beverages and Tobacco: Monthly indices by NSIC Group, 2006

Year 2003 = 100

NSIC	Activity group	Weight	Jan-06	Feb-06	Mar-06	Apr-06	May-06	Jun-06	Jul-06	Aug-06	Sep-06	Oct-06	Nov-06	Dec-06	Average year 2006
151-154	Manufacture of Food products	324	118.3	119.0	119.8	120.7	121.1	121.1	124.2	125.1	125.8	128.4	129.0	133.1	123.8
1511	Production, processing and preservation of meat and meat products	91	111.5	112.3	112.3	112.3	112.3	112.3	114.8	114.8	116.1	117.1	117.1	119.0	114.3
1512	Proc. and preservation of fish and fish products	7	141.1	151.3	151.3	151.7	151.7	151.7	151.7	151.7	154.4	156.4	156.4	156.4	152.2
1513	Proc. and preserving of fruits and vegetables	21	121.3	123.5	123.5	125.0	125.0	125.0	125.8	125.8	129.7	129.7	129.7	129.7	126.2
1514	Manufacture of vegetable and animal oils and fats	39	105.1	105.3	105.6	105.6	106.1	106.1	110.5	110.5	110.8	111.0	112.8	112.8	108.5
1520	Manufacture of dairy products	30	124.4	124.4	124.4	125.9	127.8	127.8	127.8	127.8	127.8	127.8	127.8	137.4	127.6
1531	Manufacture of grain mill products	46	122.0	122.0	122.0	125.1	125.1	125.1	126.2	129.6	129.6	132.5	134.9	134.9	127.4
1533	Manufacture of prepared animal feeds	43	129.8	129.8	135.4	135.4	135.4	135.4	135.4	135.4	135.4	148.9	148.9	170.4	139.6
1541	Manufacture of bakery products, of which	22	135.8	136.4	136.4	137.3	137.3	139.4	160.4	160.4	160.4	160.4	160.4	160.4	148.8
<i>15411/ 15412</i>	<i>Bread manufacturing with or without pastry</i>	<i>17</i>	<i>141.5</i>	<i>141.5</i>	<i>141.5</i>	<i>141.5</i>	<i>141.5</i>	<i>144.2</i>	<i>169.4</i>	<i>169.4</i>	<i>169.4</i>	<i>169.4</i>	<i>169.4</i>	<i>169.4</i>	<i>155.7</i>
<i>15413</i>	<i>Biscuits manufacturing</i>	<i>5</i>	<i>116.4</i>	<i>118.8</i>	<i>118.8</i>	<i>123.1</i>	<i>123.1</i>	<i>123.1</i>	<i>129.8</i>	<i>129.8</i>	<i>129.8</i>	<i>129.8</i>	<i>129.8</i>	<i>129.8</i>	<i>125.2</i>
1542	Manufacture of sugar	10	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1543	Man. of cocoa, chocolate and sugar confectionery	1	108.0	108.0	108.0	114.7	114.7	114.7	114.7	114.7	114.7	114.7	114.7	114.7	113.0
1544	Man. of macaroni, noodles and similar products	6	120.6	121.7	121.7	121.7	121.7	121.7	127.1	147.7	147.7	147.7	147.7	147.7	132.9
1549	Manufacture of other food products	8	100.1	101.1	102.9	108.0	113.0	110.2	113.3	113.4	113.5	114.5	117.3	114.0	110.1
155/16	Manufacture of Beverages and Tobacco	160	122.8	122.8	125.9	126.7	127.6	129.5	129.5	129.6	129.7	129.7	129.7	129.7	127.8
1551	Distilling, blending & bottling of spirit	43	117.7	117.7	117.7	117.7	117.7	104.1	104.4	104.4	104.4	104.4	104.4	104.4	109.9
1552	Wine	11	138.9	138.9	138.9	145.8	145.8	153.7	153.7	153.7	153.7	153.7	153.7	153.7	148.7
1553	Beer	28	130.9	130.9	148.9	148.9	148.9	156.3	156.3	156.3	156.3	156.3	156.3	156.3	150.2
1554	Soft drinks	53	104.8	104.8	104.8	105.5	108.3	108.3	108.3	108.6	109.0	109.0	109.0	109.0	107.4
1600	Manufacture of tobacco products	25	153.5	153.5	153.5	153.5	153.5	177.3	177.3	177.3	177.3	177.3	177.3	177.3	167.4
15/16	Manufacture of Food, Beverages and Tobacco	484	119.8	120.2	121.8	122.7	123.2	123.9	126.0	126.6	127.1	128.8	129.2	132.0	125.1

Table 7d - Food products, Beverages and Tobacco: Monthly indices by NSIC Group, 2007

Year 2003 = 100

NSIC	Activity group	Weight	Jan-07	Feb-07	Mar-07	Apr-07	May-07	Jun-07	Jul-07	Aug-07	Sep-07	Oct-07	Nov-07	Dec-07	Average year 2007
151-154	Manufacture of Food products	324	137.3	139.4	141.1	150.7	151.1	151.7	155.1	154.9	156.4	156.1	160.9	161.7	151.4
1511	Production, processing and preservation of meat and meat products	91	122.6	129.5	134.1	144.5	144.5	144.5	144.5	144.5	147.6	146.5	150.3	150.3	141.9
1512	Proc. and preservation of fish and fish products	7	160.3	164.6	164.6	164.8	164.8	164.8	164.5	164.5	164.5	164.0	164.0	164.0	164.1
1513	Proc. and preserving of fruits and vegetables	21	132.1	132.1	132.1	132.0	132.9	132.9	145.8	145.8	145.8	145.8	145.8	145.8	139.1
1514	Manufacture of vegetable and animal oils and fats	39	137.5	137.5	137.5	139.9	140.6	140.6	154.7	155.4	155.4	155.4	165.8	165.8	148.8
1520	Manufacture of dairy products	30	137.4	137.4	142.0	145.9	145.9	152.7	156.3	156.3	158.0	158.0	168.5	176.4	152.9
1531	Manufacture of grain mill products	46	134.9	134.9	134.9	176.9	178.4	178.4	181.1	178.4	182.4	182.4	178.4	178.4	168.3
1533	Manufacture of prepared animal feeds	43	170.4	170.4	170.4	170.4	170.4	170.4	170.4	170.4	170.4	170.4	185.8	185.8	173.0
1541	Manufacture of bakery products, of which	22	160.1	160.1	160.1	161.0	161.0	161.0	163.0	163.6	163.6	163.6	163.6	163.6	162.0
<i>15411/ 15412</i>	<i>Bread manufacturing with or without pastry</i>	<i>17</i>	<i>169.4</i>	<i>169.4</i>	<i>169.4</i>	<i>169.4</i>	<i>169.4</i>	<i>169.4</i>	<i>171.5</i>	<i>171.5</i>	<i>171.5</i>	<i>171.5</i>	<i>171.5</i>	<i>171.5</i>	<i>170.4</i>
<i>15413</i>	<i>Biscuits manufacturing</i>	<i>5</i>	<i>128.4</i>	<i>128.4</i>	<i>128.4</i>	<i>132.4</i>	<i>132.4</i>	<i>132.4</i>	<i>134.3</i>	<i>136.8</i>	<i>136.8</i>	<i>136.8</i>	<i>136.8</i>	<i>136.8</i>	<i>133.4</i>
1542	Manufacture of sugar	10	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1543	Man. of cocoa, chocolate and sugar confectionery	1	114.7	114.7	114.7	114.7	114.7	114.7	114.7	114.7	114.7	114.7	114.7	114.7	114.7
1544	Man. of macaroni, noodles and similar products	6	146.6	146.6	146.6	146.6	146.6	146.6	146.6	147.7	147.7	147.7	147.7	147.7	147.1
1549	Manufacture of other food products	8	114.4	115.3	115.3	115.3	115.2	115.4	116.2	116.9	116.7	116.2	116.4	117.9	115.9
155/16	Manufacture of Beverages and Tobacco	160	131.9	131.9	131.9	136.3	136.3	136.3	136.5	136.5	139.7	139.9	143.8	143.8	137.1
1551	Distilling, blending & bottling of spirit	43	112.2	112.2	112.2	115.7	115.7	115.7	115.7	115.7	115.7	115.7	115.7	115.7	114.8
1552	Wine	11	153.7	153.7	153.7	153.7	153.7	153.7	154.5	154.5	154.5	154.5	154.5	154.5	154.1
1553	Beer	28	156.3	156.3	156.3	176.5	176.5	176.5	176.5	176.5	194.8	194.8	195.1	195.1	177.6
1554	Soft drinks	53	109.0	109.0	109.0	109.0	109.0	109.0	109.3	109.3	109.3	109.8	121.6	121.6	111.2
1600	Manufacture of tobacco products	25	177.3	177.3	177.3	177.3	177.3	177.3	177.3	177.3	177.3	177.3	177.3	177.3	177.3
15/16	Manufacture of Food, Beverages and Tobacco	484	135.5	136.9	138.0	146.0	146.2	146.6	148.9	148.8	150.9	150.8	155.3	155.8	146.6

Table 8 - Food products, Beverages and Tobacco: Quarterly indices by NSIC Group, 1st Quarter 2007 to 4th Quarter 2008

Year 2003 = 100												
NSIC	Activity group	Weight	2007				2008				Percent changes (%) from	
			1st Qr.	2nd Qr.	3rd Qr.	4th Qr.	1st Qr.	2nd Qr.	3rd Qr.	4th Qr.	3rd Qr. 08 to 4th Qr. 08	4th Qr. 07 to 4th Qr. 08
151-154	Manufacture of Food products	324	139.3	151.2	155.5	159.6	180.6	186.7	193.2	201.3	4.2	26.2
1511	Production, processing and preservation of meat and meat products	91	128.7	144.5	145.5	149.1	156.3	161.9	167.8	171.4	2.2	15.0
1512	Proc. and preservation of fish and fish products	7	163.2	164.8	164.5	164.0	168.7	169.6	174.6	175.4	0.4	6.9
1513	Proc. and preserving of fruits and vegetables	21	132.1	132.6	145.8	145.8	145.8	148.4	152.4	152.4	0.0	4.6
1514	Manufacture of vegetable and animal oils and fats	39	137.5	140.4	155.1	162.3	174.3	192.6	193.0	192.8	-0.1	18.8
1520	Manufacture of dairy products	30	138.9	148.2	156.8	167.6	176.4	173.3	173.7	173.5	-0.1	3.5
1531	Manufacture of grain mill products	46	134.9	177.9	180.6	179.7	256.3	263.1	267.4	309.0	15.6	71.9
1533	Manufacture of prepared animal feeds	43	170.4	170.4	170.4	180.7	205.7	215.6	220.4	229.9	4.3	27.2
1541	Manufacture of bakery products, of which	22	160.1	161.0	163.4	163.6	184.0	184.2	187.8	188.0	0.1	14.9
15411/ 15412	<i>Bread manufacturing with or without pastry</i>	17	169.4	169.4	171.5	171.5	196.0	196.0	200.1	200.1	0.0	16.7
15413	<i>Biscuits manufacturing</i>	5	128.4	132.4	136.0	136.8	143.3	144.2	146.0	146.9	0.6	7.3
1542	Manufacture of sugar	10	100.0	100.0	100.0	100.0	100.0	100.0	194.8	194.8	0.0	94.8
1543	Man. of cocoa, chocolate and sugar confectionery	1	114.7	114.7	114.7	114.7	114.7	114.7	121.3	124.7	2.7	8.7
1544	Man. of macaroni, noodles and similar products	6	146.6	146.6	147.4	147.7	184.5	184.9	184.9	184.9	0.0	25.1
1549	Manufacture of other food products	8	115.0	115.3	116.6	116.8	132.0	135.3	135.3	132.5	-2.1	13.4
155/16	Manufacture of Beverages and Tobacco	160	131.9	136.3	137.6	142.5	149.4	151.1	157.5	160.6	2.0	12.7
1551	Distilling, blending & bottling of spirit	43	112.2	115.7	115.7	115.7	117.7	117.7	117.7	117.7	0.0	1.7
1552	Wine	11	153.7	153.7	154.5	154.5	154.5	179.5	180.2	180.9	0.4	17.1
1553	Beer	28	156.3	176.5	182.6	195.0	195.1	195.1	195.9	196.4	0.2	0.7
1554	Soft drinks	53	109.0	109.0	109.3	117.6	136.8	136.8	155.5	164.5	5.8	39.8
1600	Manufacture of tobacco products	25	177.3	177.3	177.3	177.3	177.3	177.3	177.3	177.3	0.0	0.0
15/16	Manufacture of Food, Beverages and Tobacco	484	136.8	146.3	149.6	153.9	170.3	174.9	181.4	187.9	3.6	22.0

Table 9a - Monthly indices for the Manufacturing Sector, January 2003 - December 2008
(Base: Year 2003 = 100)

Month	2003	2004	2005	2006	2007	2008
January	98.4	103.3	113.3	120.9	136.5	160.8
February	98.5	103.8	113.7	121.2	137.9	162.0
March	98.8	104.5	113.7	122.3	138.6	163.3
<i>1st quarter</i>	98.6	103.9	113.6	121.5	137.7	162.0
April	99.1	105.3	113.9	123.4	143.8	165.4
May	99.3	105.6	114.3	124.8	143.9	165.6
June	99.5	107.8	114.1	126.1	147.8	165.7
<i>2nd quarter</i>	99.3	106.2	114.1	124.8	145.2	165.6
July	99.7	108.5	116.6	128.0	149.4	170.1
August	100.3	109.2	116.4	129.0	149.3	174.3
September	101.0	110.0	116.3	129.8	151.1	176.8
<i>3rd quarter</i>	100.3	109.2	116.4	128.9	150.0	173.7
October	101.6	110.1	117.4	130.4	152.1	179.2
November	101.7	110.6	117.9	132.5	153.0	177.0
December	102.1	110.9	119.0	134.3	153.9	176.2
<i>4th quarter</i>	101.8	110.5	118.1	132.4	153.0	177.5
Yearly average	100.0	107.5	115.5	126.9	146.4	169.7
<i>Annual change (%)</i>		7.5	7.5	9.8	15.4	15.9

Table 9b - Comparative monthly indices for the Manufacturing Sector, January 1998 - December 2008¹
(Base: Year 2003=100)

Month	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
January	81.0	84.3	86.1	89.8	94.6	98.4	103.3	113.3	120.9	136.5	160.8
February	81.1	84.3	87.0	90.1	94.7	98.5	103.8	113.7	121.2	137.9	162.0
March	81.2	84.5	86.4	90.4	94.8	98.8	104.5	113.7	122.3	138.6	163.3
April	81.7	85.1	86.1	90.7	95.0	99.1	105.3	113.9	123.4	143.8	165.4
May	81.8	85.2	86.2	90.7	95.0	99.3	105.6	114.3	124.8	143.9	165.6
June	83.4	85.8	86.0	91.2	95.0	99.5	107.8	114.1	126.1	147.8	165.7
July	83.8	85.2	86.8	92.0	96.2	99.7	108.5	116.6	128.0	149.4	170.1
August	84.5	85.2	86.8	92.7	96.4	100.3	109.2	116.4	129.0	149.3	174.3
September	84.3	85.3	86.6	92.6	96.3	101.0	110.0	116.3	129.8	151.1	176.8
October	84.5	85.4	87.2	92.9	96.8	101.6	110.1	117.4	130.4	152.1	179.2
November	84.6	85.4	87.3	93.5	96.8	101.7	110.6	117.9	132.5	153.0	177.0
December	84.6	85.4	87.6	93.9	97.3	102.1	110.9	119.0	134.3	153.9	176.2
Yearly average	83.0	85.1	86.7	91.7	95.7	100.0	107.5	115.5	126.9	146.4	169.7
Annual change (%)		2.5	1.9	5.8	4.4	4.5	7.5	7.5	9.8	15.4	15.9

¹ The indices for January 1998 to December 2002 originally based on 1998 have been converted to the new base 2003=100

Table 10a - Monthly sub-indices for the Food products, Beverages and Tobacco sub-group,

January 2003 - December 2008

(Base: Year 2003 = 100)

Month	2003	2004	2005	2006	2007	2008
January	97.9	104.4	111.6	119.8	135.5	168.0
February	98.1	105.2	111.8	120.2	136.9	170.2
March	98.6	106.5	111.8	121.8	138.0	172.7
<i>1st quarter</i>	<i>98.2</i>	<i>105.4</i>	<i>111.7</i>	<i>120.6</i>	<i>136.8</i>	<i>170.3</i>
April	99.2	107.2	112.3	122.7	146.0	174.8
May	99.7	107.7	112.3	123.2	146.2	175.1
June	99.8	108.5	112.3	123.9	146.6	174.8
<i>2nd quarter</i>	<i>99.6</i>	<i>107.8</i>	<i>112.3</i>	<i>123.3</i>	<i>146.3</i>	<i>174.9</i>
July	99.9	108.9	116.7	126.0	148.9	177.3
August	100.4	109.3	116.8	126.6	148.8	181.7
September	100.5	110.6	116.8	127.1	150.9	185.2
<i>3rd quarter</i>	<i>100.2</i>	<i>109.6</i>	<i>116.8</i>	<i>126.5</i>	<i>149.6</i>	<i>181.4</i>
October	101.7	110.3	117.2	128.8	150.8	187.4
November	101.8	110.7	118.2	129.2	155.3	188.3
December	102.6	111.4	118.4	132.0	155.8	187.9
<i>4th quarter</i>	<i>102.0</i>	<i>110.8</i>	<i>117.9</i>	<i>130.0</i>	<i>153.9</i>	<i>187.9</i>
Yearly average	100.0	108.4	114.7	125.1	146.6	178.6
<i>Annual change (%)</i>		8.4	5.8	9.1	17.2	21.8

Table 10b- Monthly sub-indices for the Food products, Beverages and Tobacco sub-group, January 1993 - December 2008¹
(Base: Year 2003=100)

Month	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
January	56.9	61.2	63.8	70.2	73.8	78.4	83.1	85.0	89.1	94.1	97.9	104.4	111.6	119.8	135.5	168.0
February	56.9	61.3	64.3	70.3	73.8	78.6	83.1	86.7	89.1	94.1	98.1	105.2	111.8	120.2	136.9	170.2
March	56.9	61.5	65.6	70.6	74.3	78.8	83.0	85.7	89.9	94.1	98.6	106.5	111.8	121.8	138.0	172.7
April	57.2	61.5	65.8	71.0	74.3	79.9	83.7	85.5	90.2	94.3	99.2	107.2	112.3	122.7	146.0	174.8
May	57.8	62.4	65.9	71.2	74.3	79.9	83.7	85.4	90.2	94.3	99.7	107.7	112.3	123.2	146.2	175.1
June	58.7	62.3	66.0	72.5	78.1	83.1	85.0	84.8	91.2	94.4	99.8	108.5	112.3	123.9	146.6	174.8
July	59.0	62.6	66.0	74.7	78.7	83.4	83.9	85.8	92.1	95.1	99.9	108.9	116.7	126.0	148.9	177.3
August	59.1	62.8	67.8	75.2	78.7	84.3	83.9	85.8	92.1	95.7	100.4	109.3	116.8	126.6	148.8	181.7
September	59.8	62.8	67.9	75.5	78.5	83.6	83.9	85.6	92.1	95.7	100.5	110.6	116.8	127.1	150.9	185.2
October	60.4	62.9	68.1	75.5	78.6	83.7	84.0	86.0	92.1	95.9	101.7	110.3	117.2	128.8	150.8	187.4
November	60.4	62.9	68.1	75.6	78.7	83.8	84.0	86.2	93.2	95.9	101.8	110.7	118.2	129.2	155.3	188.3
December	61.3	62.9	68.1	75.8	78.9	83.8	84.1	86.7	93.9	96.3	102.6	111.4	118.4	132.0	155.8	187.9
Yearly average	58.7	62.3	66.5	73.2	76.7	81.8	83.8	85.8	91.2	95.0	100.0	108.4	114.7	125.1	146.6	178.6
Annual change (%)		6.1	6.7	10.1	4.9	6.6	2.5	2.4	6.4	4.1	5.3	8.4	5.8	9.1	17.2	21.8

¹ The indices for January 1993 to December 1997 originally based on 1993, and January 1998 to December 2002 based on 1998 have been converted to the new base 2003=100

Producer Price Index – Manufacturing (PPI-M)

Methodology for the Construction of the PPI-M

1. Definition

The Producer Price Index (PPI-M) measures changes in the effective prices received by manufacturers for that part of their output which is sold on the domestic market. It normally refers to a family of indices which includes:

- (i) Industry output prices indices
- (ii) Detailed commodity price indices, and,
- (iii) Stage-of-processing prices indices

The emphasis of the PPI program is the production of Industry output price indices which will reflect the price trends of a constant basket of goods representative of the total output of an industry. The concepts and definitions of the PPIs largely follow internationally accepted standards.

2. Scope

The PPI-M covers all large manufacturing establishments (that is those employing 10 or more persons) falling in divisions 15 to 37 of the National Standard Industrial Classification of Economic Activities (NSIC), whose output is mainly sold on the domestic market.

3. Price Collection

Prices collected refer to the prices received by producers for the sale of their products on the local market. The prices exclude all taxes on products, namely excise duty and value added tax. Selected industries are visited on a quarterly basis, but prices are collected for each month of the quarter.

4. Weighting Scheme

The weights have been calculated from the gross output figures derived from the 2002 Census of Economic Activities. Gross output is valued at basic prices, and thus excludes all taxes on products, namely excise duties and value added tax. The weight of a product group represents the share of its gross output out of the total output of the sector.

In the case of sugar, only the sale on the local market has been taken into consideration in establishing the weights.

5. Selection of products

The basket consists of 75 producers and 220 varieties. Selection of the commodities included in the basket is proportional to the output of the enterprises selected during the first stage. In the second stage, the list of commodities to be priced is finalized; prevalence being given to those products representative of the output of the industry and that are produced on a continuous basis. Detailed specifications (name, description, brand, weight, size, etc.) of the selected products are obtained from the enterprises.

6. Reference Year

PPI-M has 2003 as reference period and is based on 2002 weights. It is considered that, given the relative stability of the sector, the price changes that have been observed would not significantly affect the relative weights of the different categories in the PPI-M.

The base price for a particular product is the arithmetic mean of the 12 monthly prices in 2003.

7. Index Calculation

The PPI-M is calculated at the 5-digits level of NSIC. Indices at the Division level (2 digits NSIC) are then derived as a weighted average of the indices of the products falling within each division. Finally, the overall index for manufacturing is obtained as a weighted average of the Division indices.

The PPI is calculated according to a modified Laspeyre's formula, which is the weighted average of price relatives.

$$I_c = \frac{\sum W_i * \left(\frac{P_{ci}}{P_{oi}}\right)}{\sum W_i} * 100$$

where I_c = Index for current month

W_i = Weight associated with product i

P_{ci} = Price of product i for the current month

P_{oi} = Price for product i for the reference period (2003)

8. Uses

- a. The PPI is a leading indicator of the future status of inflation. Movement of PPI is usually indicative of a similar change of part of the CPI. PPI can also be used in the economic analysis of inflation transmission process.
- b. The PPI provides specific price deflators for the computation of national accounts at constant prices in order to measure real growth
- c. The PPI will be helpful in the formulation of contract agreement. It can be used as an escalation clause to protect buyers and sellers against inflation or deflation.
- d. PPI is also used in econometric models, in forecasting and in inventory accounting.

9. Missing Prices

Prices for temporarily missing products, movement of similar items in the group is analyzed, and if it is found unchanged, the price is carried forward for a quarter.

10. Reliability of the PPI

The statistical accuracy of PPI depends heavily on the quality of information provided by respondents. This office places great emphasis on the need for reporting effective selling prices, i.e the amount realized by a producer when selling its products on the market inclusive of all discounts and other price deductions rather than the list or catalogue prices.

The results are analyzed and monthly changes or comparisons with same month of previous year are undertaken. Comparisons are made with the CPI or with the import/export price indices. Systematic analyzes of the source data are made in the context of weight and base year revisions that occur every five years.