

**TABLE 4 Volume of Net Sales Index, Year-on-Year Growth Rates for Manufacturing Sector:  
January 2015 – September 2016  
(2000=100)**

Year/Month	TOTAL MANUFACTURING		FOOD MANUFACTURING	
	Index	Year-on-Year Growth Rates	Index	Year-on-Year Growth Rates
<b>2015</b>	<b>137.1</b>	<b>-0.4</b>	<b>108.9</b>	<b>-13.3</b>
Jan	106.5	-2.2	102.8	-17.1
Feb	109.9	-5.1	102.3	-17.2
Mar	127.1	5.0	123.7	-1.9
Apr	128.4	1.3	114.5	-7.5
May	133.6	-3.0	105.0	-18.6
Jun	140.1	-2.3	109.3	-14.5
Jul	142.9	2.8	101.5	-15.8
Aug	140.5	0.4	98.8	-15.2
Sep	149.1	-1.6	106.1	-16.9
Oct	155.9	-2.2	113.8	-15.7
Nov	156.4	0.4	112.5	-14.1
Dec	155.2	1.6	116.6	-4.6
<b>2016</b>				
Jan	154.3	45.0	113.2	10.1
Feb	116.4	5.9	112.7	10.2
Mar	131.4 r	3.4	117.1 r	-5.3
Apr	137.3 r	7.0	114.1 r	-0.3
May	143.7 r	7.6	112.4 r	7.0
Jun	151.5 r	8.1	109.8 r	0.4
Jul	152.0 r	6.4	111.4 r	9.8
Aug	156.4 r	11.3	108.2 r	9.5
Sep	164.1	10.1	111.9	5.5

**TABLE 4 Volume of Net Sales Index, Year-on-Year Growth Rates for Manufacturing Sector:  
January 2015 – September 2016  
(2000=100)**

Year/Month	BEVERAGES		TOBACCO PRODUCTS	
	Index	Year-on-Year Growth Rates	Index	Year-on-Year Growth Rates
<b>2015</b>	<b>121.1</b>	<b>19.7</b>	<b>14.5</b>	<b>12.4</b>
Jan	118.3	12.3	12.4	-11.3
Feb	109.2	22.8	11.7	2.1
Mar	129.4	35.8	13.7	28.7
Apr	124.1	27.4	13.3	10.3
May	123.0	15.7	13.8	8.2
Jun	120.8	10.9	14.4	12.5
Jul	103.8	10.2	14.2	11.6
Aug	109.9	15.3	14.6	12.5
Sep	122.9	21.3	16.0	23.9
Oct	123.5	18.0	16.5	11.0
Nov	128.8	18.4	17.0	39.5
Dec	139.9	29.2	16.9	6.4
<b>2016</b>				
Jan	117.8	-0.4	14.4	16.1
Feb	104.6	-4.1	14.1	20.8
Mar	140.5 r	8.6	14.4	5.2
Apr	139.1 r	12.1	14.6	9.7
May	144.2 r	17.2	14.2	3.0
Jun	143.4 r	18.6	14.4	-0.3
Jul	117.9 r	13.6	13.8	-2.5
Aug	120.9 r	10.0	13.8	-5.2
Sep	129.6	5.5	14.5	-9.8

**TABLE 4 Volume of Net Sales Index, Year-on-Year Growth Rates for Manufacturing Sector:  
January 2015 – September 2016  
(2000=100)**

Year/Month	TEXTILES		FOOTWEAR AND WEARING APPAREL	
	Index	Year-on-Year Growth Rates	Index	Year-on-Year Growth Rates
<b>2015</b>	<b>68.8</b>	<b>-3.3</b>	<b>23.1</b>	<b>-6.1</b>
Jan	67.5	-12.0	19.5	-21.5
Feb	69.6	-1.0	20.1	-21.3
Mar	75.7	2.0	22.8	-15.0
Apr	67.5	7.6	22.9	11.2
May	83.6	1.8	25.9	6.9
Jun	82.1	0.7	23.0	-6.5
Jul	76.0	3.6	23.2	1.1
Aug	62.7	-2.3	21.5	-13.2
Sep	67.2	-4.4	23.4	5.5
Oct	63.9	-7.6	23.4	-8.2
Nov	55.3	-15.4	22.2	-4.8
Dec	54.0	-14.4	29.3	-1.5
<b>2016</b>				
Jan	58.1	-14.0	18.6	-4.7
Feb	58.5	-16.0	18.7	-6.9
Mar	58.0	-23.4	19.8	-13.3
Apr	59.5	-11.9	22.4	-2.1
May	62.9	-24.7	21.8	-16.0
Jun	62.7	-23.6	21.3 r	-7.7
Jul	61.4 r	-19.1	21.5 r	-7.5
Aug	61.9 r	-1.2	20.2 r	-5.8
Sep	61.7	-8.2	19.6	-16.5

**TABLE 4 Volume of Net Sales Index, Year-on-Year Growth Rates for Manufacturing Sector:  
January 2015 – September 2016  
(2000=100)**

Year/Month	LEATHER PRODUCTS		WOOD AND WOOD PRODUCTS	
	Index	Year-on-Year Growth Rates	Index	Year-on-Year Growth Rates
<b>2015</b>	<b>4.0</b>	<b>1.5</b>	<b>113.5</b>	<b>17.2</b>
Jan	2.1	-41.7	74.3	-32.2
Feb	3.4	-13.2	87.5	1.5
Mar	4.0	43.0	107.9	22.5
Apr	3.7	14.6	113.8	35.3
May	3.7	-2.9	105.3	2.9
Jun	4.6	14.4	124.0	33.7
Jul	4.3	-5.6	129.6	30.6
Aug	3.9	-4.2	124.7	38.0
Sep	4.4	17.5	106.1	6.5
Oct	4.4	-1.0	138.0	30.3
Nov	5.0	6.3	129.6	4.5
Dec	5.0	2.2	121.1	51.5
<b>2016</b>				
Jan	4.8	130.2	114.2	53.7
Feb	4.5	32.4	116.1	32.7
Mar	1.9	-53.6	128.6	19.2
Apr	3.5 r	-4.8	158.4	39.2
May	5.0 r	32.8	174.4	65.5
Jun	5.1 r	10.9	158.0	27.4
Jul	5.8 r	34.2	160.0	23.4
Aug	4.9 r	27.2	164.4 r	31.9
Sep	4.4	1.1	185.0	74.3

**TABLE 4 Volume of Net Sales Index, Year-on-Year Growth Rates for Manufacturing Sector:  
January 2015 – September 2016  
(2000=100)**

Year/Month	PAPER AND PAPER PRODUCTS		PRINTING	
	Index	Year-on-Year Growth Rates	Index	Year-on-Year Growth Rates
<b>2015</b>	<b>73.5</b>	<b>0.9</b>	<b>56.2</b>	<b>-49.1</b>
Jan	73.2	0.6	50.0	8.5
Feb	72.4	6.8	41.4	-30.2
Mar	76.6	2.5	57.0	-26.9
Apr	71.5	1.7	43.5	-41.5
May	74.7	3.2	53.4	-50.9
Jun	67.6	-5.8	57.2	-44.5
Jul	70.5	-1.9	58.5	-44.8
Aug	65.4	-9.7	60.5	-47.7
Sep	72.4	-7.9	53.3	-58.9
Oct	75.1	-6.4	62.1	-59.0
Nov	80.5	1.7	64.0	-61.6
Dec	82.2	31.4	73.9	-60.1
<b>2016</b>				
Jan	77.3	5.6	55.9	11.8
Feb	83.0	14.6	90.4	118.1
Mar	84.6	10.5	51.1	-10.4
Apr	85.2	19.2	50.7	16.6
May	81.4 r	9.0	50.4 r	-5.6
Jun	79.7	17.9	70.4 r	23.1
Jul	74.9	6.2	54.8 r	-6.3
Aug	71.2 r	8.9	57.3 r	-5.3
Sep	70.6	-2.5	61.5	15.3

**TABLE 4 Volume of Net Sales Index, Year-on-Year Growth Rates for Manufacturing Sector:  
January 2015 – September 2016  
(2000=100)**

Year/Month	PETROLEUM PRODUCTS		CHEMICAL PRODUCTS	
	Index	Year-on-Year Growth Rates	Index	Year-on-Year Growth Rates
<b>2015</b>	<b>74.8</b>	<b>-6.0</b>	<b>314.8</b>	<b>-8.8</b>
Jan	80.0	4.0	116.9	-0.4
Feb	73.8	2.8	152.0	-24.9
Mar	76.5	-4.1	196.1	5.0
Apr	77.3	-4.6	214.6	-10.3
May	76.0	-14.8	263.8	-8.9
Jun	76.4	-10.7	305.5	-8.4
Jul	86.3	10.9	329.4	-8.8
Aug	74.0	-8.8	357.2	-5.9
Sep	70.2	-8.9	408.6	-15.4
Oct	72.6	-13.2	454.6	-11.1
Nov	65.6	-11.9	486.4	-5.2
Dec	68.6	-10.4	492.4	-6.2
<b>2016</b>				
Jan	74.4	-7.1	491.4	321.2
Feb	65.5	-11.2	129.5	-14.7
Mar	72.4	-5.4	204.4 r	4.4
Apr	74.3	-3.9	235.0 r	9.6
May	74.1	-2.4	275.5 r	4.5
Jun	76.8	0.5	325.8 r	6.7
Jul	78.1	-9.4	354.1 r	7.5
Aug	81.9	10.7	393.7 r	10.2
Sep	78.0	11.2	438.6	7.3

**TABLE 4 Volume of Net Sales Index, Year-on-Year Growth Rates for Manufacturing Sector:  
January 2015 – September 2016  
(2000=100)**

Year/Month	RUBBER AND PLASTIC PRODUCTS		NON-METALLIC MINERAL PRODUCTS	
	Index	Year-on-Year Growth Rates	Index	Year-on-Year Growth Rates
<b>2015</b>	<b>119.4</b>	<b>11.3</b>	<b>170.0</b>	<b>13.9</b>
Jan	103.4	6.2	148.6	9.8
Feb	109.9	8.2	154.2	10.4
Mar	118.5	11.7	182.4	14.0
Apr	113.9	14.6	163.2	7.5
May	116.4	9.5	186.2	14.7
Jun	120.4	9.7	177.3	22.0
Jul	124.7	15.6	175.7	21.1
Aug	119.0	6.0	183.4	30.2
Sep	125.3	11.8	169.5	17.5
Oct	127.0	8.7	170.9	-6.0
Nov	127.9	12.5	166.4	8.6
Dec	126.5	21.4	162.1	22.7
<b>2016</b>				
Jan	121.5	17.5	139.8	-6.0
Feb	131.0	19.1	167.2	8.4
Mar	140.4	18.5	172.9 r	-5.2
Apr	134.7	18.2	181.9 r	11.5
May	136.0	16.8	159.2 r	-14.5
Jun	141.2	17.3	203.1 r	14.6
Jul	137.5 r	10.3	190.1 r	8.3
Aug	152.6 r	28.2	181.2 r	-1.2
Sep	146.7	17.1	190.5	12.4

**TABLE 4 Volume of Net Sales Index, Year-on-Year Growth Rates for Manufacturing Sector:  
January 2015 – September 2016  
(2000=100)**

Year/Month	GLASS AND GLASS PRODUCTS g/		CEMENT g/	
	Index	Year-on-Year Growth Rates	Index	Year-on-Year Growth Rates
<b>2015</b>	<b>126.6</b>	<b>7.5</b>	<b>196.9</b>	<b>9.7</b>
Jan	105.2	-13.2	168.8	4.7
Feb	119.9	12.1	182.7	8.8
Mar	124.2	8.5	218.0	7.5
Apr	119.6	29.2	195.1	1.3
May	128.0	17.9	226.4	7.8
Jun	125.9	34.2	211.6	13.7
Jul	122.1	28.4	208.7	14.5
Aug	125.1	29.4	209.1	19.4
Sep	120.3	1.2	193.0	11.8
Oct	136.9	-10.8	191.0	7.4
Nov	155.4	-8.4	185.5	6.1
Dec	136.8	-3.7	172.4	14.3
<b>2016</b>				
Jan	93.6	-11.0	156.4	-7.3
Feb	119.8	-0.1	179.6	-1.7
Mar	138.6	11.6	191.0	-12.4
Apr	136.0	13.7	211.5	8.4
May	106.4	-16.8	178.1 r	-21.3
Jun	118.1	-6.2	232.1	9.7
Jul	79.5	-34.9	232.1 r	11.2
Aug	89.6	-28.3	216.2 r	3.4
Sep	145.6	21.1	204.8	6.1

g/ - Subsector of Non-metallic Mineral Products



**TABLE 4 Volume of Net Sales Index, Year-on-Year Growth Rates for Manufacturing Sector:  
January 2015 – September 2016  
(2000=100)**

Year/Month	MISCELLANEOUS NON-METALLIC MINERAL PRODUCTS g/		BASIC METALS	
	Index	Year-on-Year Growth Rates	Index	Year-on-Year Growth Rates
<b>2015</b>	<b>105.7</b>	<b>11.2</b>	<b>139.6</b>	<b>4.0</b>
Jan	99.9	17.8	146.8	65.9
Feb	86.4	-6.2	142.0	36.7
Mar	106.3	19.5	154.5	62.1
Apr	90.9	3.6	142.0	9.1
May	98.6	15.7	134.6	-12.5
Jun	100.0	21.8	121.8	-27.1
Jul	101.0	16.5	122.4	-16.2
Aug	126.0	52.3	123.5	-25.7
Sep	114.3	24.1	136.3	-5.9
Oct	115.5	-41.3	162.0	11.4
Nov	104.6	8.7	164.6	20.0
Dec	124.7	91.9	125.2	-5.6
<b>2016</b>				
Jan	86.9	-13.0	125.7	-14.3
Feb	127.1	47.1	143.5	1.1
Mar	117.6	10.6	180.5 r	16.9
Apr	111.0 r	22.2	201.8 r	42.1
May	122.9 r	24.7	192.7 r	43.2
Jun	154.5 r	54.5	180.3 r	48.0
Jul	125.7 r	24.4	177.4 r	44.9
Aug	125.3 r	-0.5	178.3 r	44.4
Sep	159.7	39.8	182.8	34.1

g/ - Subsector of Non-metallic Mineral Products

**TABLE 4 Volume of Net Sales Index, Year-on-Year Growth Rates for Manufacturing Sector:  
January 2015 – September 2016  
(2000=100)**

Year/Month	IRON AND STEEL h/		NON-FERROUS METALS h/	
	Index	Year-on-Year Growth Rates	Index	Year-on-Year Growth Rates
<b>2015</b>	<b>131.6</b>	<b>8.5</b>	<b>154.3</b>	<b>-6.9</b>
Jan	117.9	13.8	215.5	310.6
Feb	126.7	5.9	177.0	145.0
Mar	135.4	16.4	199.2	302.0
Apr	125.2	1.8	181.2	22.3
May	137.5	11.7	128.9	-43.3
Jun	143.7	12.2	67.9	-73.9
Jul	145.4	24.0	52.1	-75.8
Aug	133.9	4.1	84.3	-67.0
Sep	129.1	-2.5	147.0	-16.5
Oct	134.9	<u>1</u> /	223.5	32.6
Nov	132.8	7.0	238.4	43.5
Dec	117.4	11.0	136.2	-30.6
<b>2016</b>				
Jan	126.9	7.6	113.7	-47.3
Feb	130.6	3.0	168.6	-4.7
Mar	140.6 r	3.8	273.4	37.2
Apr	159.2 r	27.2	300.8	66.0
May	153.5 r	11.6	281.8	118.6
Jun	150.4 r	4.6	246.7	263.0
Jul	144.1 r	-0.9	253.8	387.4
Aug	144.8 r	8.1	252.4 r	199.4
Sep	141.4	9.6	278.7	89.6

h/ - Subsector of Basic Metals

1/ - less than 0.1 percent increase

**TABLE 4 Volume of Net Sales Index, Year-on-Year Growth Rates for Manufacturing Sector:  
January 2015 – September 2016  
(2000=100)**

Year/Month	FABRICATED METAL PRODUCTS		MACHINERY EXCEPT ELECTRICAL	
	Index	Year-on-Year Growth Rates	Index	Year-on-Year Growth Rates
<b>2015</b>	<b>213.7</b>	<b>7.6</b>	<b>56.2</b>	<b>1.0</b>
Jan	170.9	-16.8	50.6	2.9
Feb	158.1	0.6	53.3	-4.3
Mar	189.8	-7.0	58.8	1.4
Apr	210.7	-16.6	52.4	-2.6
May	216.9	21.4	54.2	-9.5
Jun	228.8	18.4	58.6	4.4
Jul	236.9	17.2	55.5	-2.0
Aug	228.1	21.5	54.0	1.2
Sep	318.2	41.2	59.4	8.1
Oct	216.4	6.3	58.6	-3.4
Nov	211.4	11.4	61.3	6.8
Dec	178.0	-2.5	57.5	10.6
<b>2016</b>				
Jan	181.5	6.2	61.3	21.1
Feb	229.0	44.8	69.1	29.7
Mar	187.0 r	-1.5	60.8 r	3.3
Apr	178.7	-15.2	78.6 r	49.8
May	210.4	-3.0	84.3 r	55.6
Jun	180.5	-21.1	86.7 r	48.0
Jul	169.4	-28.5	75.9 r	36.8
Aug	176.9 r	-22.5	82.2 r	52.2
Sep	177.3	-44.3	81.5	37.3

**TABLE 4 Volume of Net Sales Index, Year-on-Year Growth Rates for Manufacturing Sector:  
January 2015 – September 2016  
(2000=100)**

Year/Month	ELECTRICAL MACHINERY		TRANSPORT EQUIPMENT	
	Index	Year-on-Year Growth Rates	Index	Year-on-Year Growth Rates
<b>2015</b>	<b>93.5</b>	<b>12.7</b>	<b>211.1</b>	<b>23.4</b>
Jan	80.0	5.1	168.6	3.9
Feb	80.6	4.5	177.4	1.0
Mar	84.3	-3.2	201.7	13.8
Apr	91.8	4.0	229.0	42.2
May	91.7	8.0	230.3	50.8
Jun	100.4	11.7	252.8	57.2
Jul	110.6	31.0	238.4	67.2
Aug	97.9	18.8	242.7	47.0
Sep	105.6	29.1	197.3	2.3
Oct	98.7	18.4	202.7	16.8
Nov	93.5	17.9	193.8	-5.5
Dec	87.2	7.0	197.8	7.7
<b>2016</b>				
Jan	91.4	14.2	188.1	11.5
Feb	87.5	8.6	198.7	12.0
Mar	95.4	13.2	178.0	-11.8
Apr	90.2	-1.7	199.9	-12.7
May	94.6 r	3.2	214.2	-7.0
Jun	94.2 r	-6.1	250.7 r	-0.8
Jul	98.3 r	-11.2	239.8 r	0.6
Aug	97.9 r	<u>1</u> /	225.2 r	-7.2
Sep	102.2	-3.2	259.9	31.7

1/ - less than 0.1 percent increase

**TABLE 4 Volume of Net Sales Index, Year-on-Year Growth Rates for Manufacturing Sector:  
January 2015 – September 2016  
(2000=100)**

Year/Month	FURNITURE AND FIXTURES		MISCELLANEOUS MANUFACTURES	
	Index	Year-on-Year Growth Rates	Index	Year-on-Year Growth Rates
<b>2015</b>	<b>573.0</b>	<b>25.9</b>	<b>186.6</b>	<b>20.2</b>
Jan	630.5	26.1	149.2	-5.0
Feb	594.4	39.8	156.6	-6.2
Mar	530.6	37.1	193.5	11.7
Apr	548.5	40.3	165.2	11.2
May	655.7	60.3	172.3	9.5
Jun	557.6	13.9	192.4	20.1
Jul	506.2	13.3	207.4	44.9
Aug	504.4	12.6	234.1	61.0
Sep	575.5	39.5	202.5	33.4
Oct	627.5	37.7	203.2	21.4
Nov	559.6	8.2	181.6	22.6
Dec	585.7	1.3	181.3	25.5
<b>2016</b>				
Jan	569.8	-9.6	154.2	3.4
Feb	543.8	-8.5	176.4	12.6
Mar	692.5	30.5	169.9	-12.2
Apr	495.9	-9.6	200.3	21.2
May	582.7	-11.1	192.2	11.6
Jun	689.2	23.6	179.6 r	-6.6
Jul	530.1	4.7	179.3 r	-13.5
Aug	602.0 r	19.4	175.1 r	-25.2
Sep	591.2	2.7	184.5	-8.9

r - revised due to updating of data from late responding establishments.