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STATISTICAL RELEASE

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Manufacturing: Utilisation of production capacity by large enterprises (Preliminary)

November 2021

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Key results for November 2021

Table A – Utilisation and under-utilisation of production capacity in the manufacturing industry

Estimates		November 2020 (%)	August 2021 (%) 1/	November 2021 (%) 1/	% point difference between November 2020 and November 2021
Utilisation of production capacity		78,7	78,0	78,9	0,2
Under-utilisation of production capacity		21,3	22,0	21,1	-0,2
Reasons for under-utilisation:	Shortage of raw materials	3,0	3,6	3,8	0,8
	Shortage of labour	1,0	0,9	1,1	0,1
	Insufficient demand	11,2	11,2	10,3	-0,9
	Other reasons	6,1	6,3	5,9	-0,2

1/ Preliminary.

The utilisation of production capacity by large manufacturers was 78,9% in November 2021 compared with 78,7% in November 2020, an increase of 0,2 of a percentage point.

Under-utilisation of production capacity decreased by 0,2 of a percentage point between November 2020 and November 2021. Insufficient demand decreased by 0,9 of a percentage point, while shortage of raw materials increased by 0,8 of a percentage point – see Table A.

Figure 1 – Utilisation of production capacity in the manufacturing industry

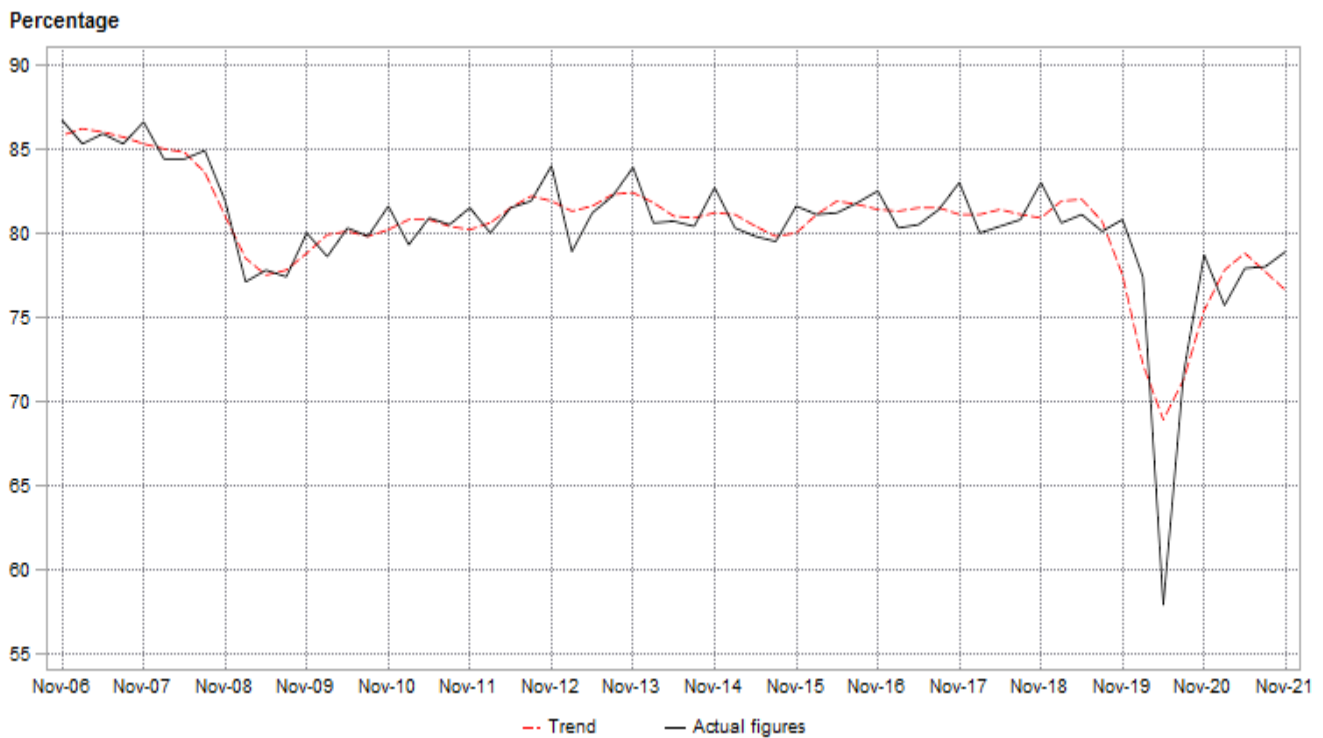


Table B – Utilisation of production capacity in the manufacturing industry by division

Manufacturing divisions	Weights	November 2020 (%) 2/	November 2021 (%) 1/ 2/	% point difference between November 2020 and November 2021
Food and beverages	20,18	84,3	82,4	-1,9
Textiles, clothing, leather and footwear	4,38	71,1	69,8	-1,3
Wood and wood products, paper, publishing and printing	10,77	81,3	82,6	1,3
Petroleum, chemical products, rubber and plastic products	25,38	80,7	76,6	-4,1
Glass and non-metallic mineral products	3,42	77,9	77,5	-0,4
Basic iron and steel, non-ferrous metal products, metal products and machinery	19,47	73,3	76,2	2,9
Electrical machinery	2,31	77,6	84,5	6,9
Radio, television and communication apparatus and professional equipment	1,21	81,5	82,8	1,3
Motor vehicles, parts and accessories and other transport equipment	8,66	78,0	80,5	2,5
Furniture and other manufacturing	4,21	66,2	81,7	15,5
Total manufacturing	100	78,7	78,9	0,2

1/ Preliminary.

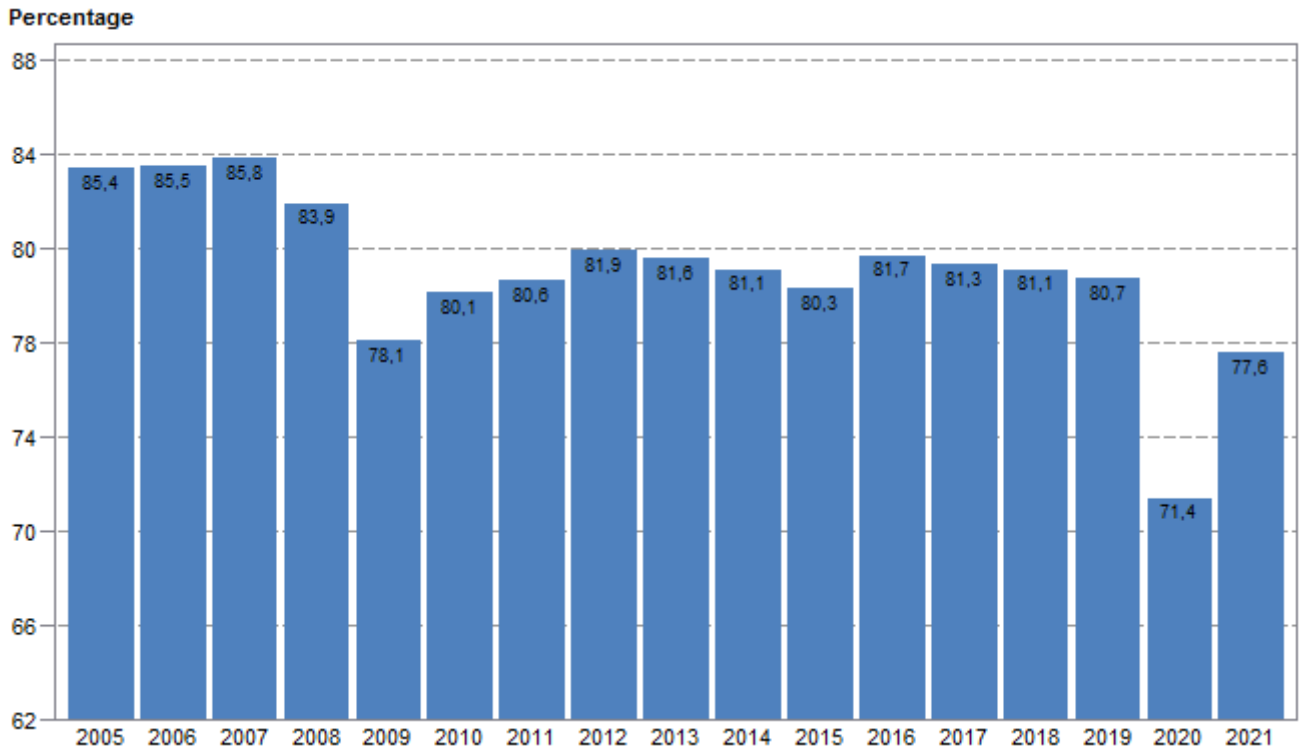
2/ The weighted total of utilisation is the sum of the rate of utilisation per division multiplied by its weight, divided by 100. There might be a slight discrepancy with the total shown in Table B due to rounding off.

Six of the ten manufacturing divisions showed increases in utilisation of production capacity in November 2021 compared with November 2020. The largest increases were recorded in the following divisions:

- furniture and 'other' manufacturing (15,5 percentage points);
- electrical machinery (6,9 percentage points);
- basic iron and steel, non-ferrous metal products, metal products and machinery (2,9 percentage points); and
- motor vehicles, parts and accessories and other transport equipment (2,5 percentage points).

The highest rates of utilisation of production capacity were reported in the following divisions in November 2021:

- electrical machinery (84,5%);
- radio, television and communication apparatus and professional equipment (82,8%);
- wood and wood products, paper, publishing and printing (82,6%); and
- food and beverages (82,4%) – see Table B.

Figure 2 – Annual rate of utilisation of production capacity in the manufacturing industry

In 2021 the utilisation of production capacity was 77,6%, an increase of 6,2 percentage points from 71,4% in 2020, mainly due to decreases in insufficient demand (contributing -3,8 percentage points to the change in under-utilisation) and 'other reasons' (such as downtime due to maintenance and changes in productivity) (contributing -2,8 percentage points to the change in under-utilisation) – see Figure 2 and Table 1, page 17.

The largest increases in 2021 compared with 2020 were recorded in the following divisions:

- furniture and 'other' manufacturing (15,9 percentage points);
- electrical machinery (12,9 percentage points);
- motor vehicles, parts and accessories and other transport equipment (10,1 percentage points);
- glass and non-metallic mineral products (9,9 percentage points);
- wood and wood products, paper, publishing and printing (9,7 percentage points); and
- textiles, clothing, leather and footwear (9,0 percentage points).

Rates of utilisation of production capacity of 80% and higher were reported in the following divisions in 2021:

- wood and wood products, paper, publishing and printing (82,1%);
- electrical machinery (81,0%); and
- radio, television and communication apparatus and professional equipment (80,8%) – see Table 1, page 5.

Risenga Maluleke
Statistician-General

Tables

Table 1 – Utilisation and reasons for under-utilisation by division and major group (percentage)

Manufacturing divisions and major groups 1/				Utilisation	Reasons for under-utilisation					
					Total under-utilisation	Shortage of			Insufficient demand	Other
						Raw materials	Labour			
					Skilled		Semi- and unskilled			
Division: Food and beverages	Weight = 20,18	2019	Year	83,2	16,8	2,2	1,1	0,2	9,7	3,6
			2020	Feb	73,0	27,0	2,1	1,3	0,2	11,7
		May		65,0	35,0	2,7	2,0	0,3	17,6	12,4
		Aug		73,3	26,7	2,4	0,8	0,1	16,8	6,6
		Nov		84,3	15,7	1,9	0,8	0,2	9,0	3,8
		Year		73,9	26,1	2,3	1,2	0,2	13,8	8,6
		2021		Feb	71,7	28,3	1,4	0,7	0,3	12,5
			May	82,3	17,7	2,3	0,7	0,1	10,3	4,3
			Aug	82,6	17,4	2,8	1,1	0,1	10,1	3,3
			Nov	82,4	17,6	2,6	1,3	0,2	9,9	3,6
			Year	79,8	20,3	2,3	1,0	0,2	10,7	6,2

Manufacturing divisions and major groups 1/				Utilisation	Reasons for under-utilisation					
					Total under-utilisation	Shortage of			Insufficient demand	Other
						Raw materials	Labour			
					Skilled		Semi- and unskilled			
Food and food products	Weight = 13,74	2019	Year	82,2	17,8	1,9	1,1	0,3	10,2	4,4
			2020	Feb	70,7	29,3	1,6	1,1	0,2	10,0
		May		79,1	20,9	1,4	1,1	0,1	12,9	5,4
		Aug		80,3	19,7	2,4	0,6	0,1	12,3	4,2
		Nov		83,2	16,8	2,1	0,9	0,2	9,9	3,8
		Year		78,3	21,7	1,9	0,9	0,2	11,3	7,5
		2021		Feb	70,0	30,0	1,6	0,7	0,3	10,4
			May	82,4	17,6	1,5	0,7	0,1	10,0	5,3
			Aug	82,7	17,3	3,0	0,9	0,1	9,5	3,7
			Nov	81,7	18,3	3,0	1,0	0,2	9,8	4,4
			Year	79,2	20,8	2,3	0,8	0,2	9,9	7,6

Manufacturing divisions and major groups 1/				Utilisation	Reasons for under-utilisation					
					Total under-utilisation	Shortage of			Insufficient demand	Other
						Raw materials	Labour			
					Skilled		Semi- and unskilled			
Beverages	Weight = 6,44	2019	Year	85,2	14,8	3,0	0,9	0,2	8,7	2,0
			2020	Feb	78,2	21,8	3,1	1,6	0,2	15,2
		May		35,3	64,7	5,5	3,8	0,5	27,6	27,3
		Aug		57,8	42,2	2,5	1,3	0,2	26,4	11,8
		Nov		86,6	13,4	1,7	0,7	0,2	7,2	3,7
		Year		64,5	35,5	3,2	1,9	0,3	19,1	11,1
		2021		Feb	75,4	24,6	1,1	0,7	0,2	17,1
			May	82,1	17,9	4,0	0,7	0,2	11,0	2,0
			Aug	82,3	17,7	2,2	1,6	0,2	11,3	2,5
			Nov	84,1	15,9	1,8	2,0	0,2	10,2	1,7
			Year	81,0	19,0	2,3	1,3	0,2	12,4	3,0

1/ Data for the latest two months are preliminary.

Manufacturing divisions and major groups 1/				Utilisation	Reasons for under-utilisation					
					Total under-utilisation	Shortage of			Insufficient demand	Other
						Raw materials	Labour			
			Skilled	Semi- and unskilled						
Division: Textiles, clothing, leather and footwear	Weight = 4,38	2019	Year	71,6	28,4	1,2	1,1	0,3	22,5	3,3
			2020	Feb	71,4	28,6	1,1	1,1	0,5	22,1
		May		42,4	57,6	1,7	1,4	0,4	36,7	17,4
		Aug		57,3	42,7	1,9	0,8	0,2	26,9	12,9
		Nov		71,1	28,9	1,7	1,3	0,3	20,9	4,7
		Year		60,6	39,5	1,6	1,2	0,4	26,7	9,7
	2021	Feb	70,0	30,0	2,3	1,4	0,4	21,3	4,6	
		May	69,6	30,4	2,7	1,4	0,3	21,0	5,0	
		Aug	69,1	30,9	2,8	1,4	0,5	21,4	4,8	
		Nov	69,8	30,2	2,4	1,4	0,5	21,0	4,9	
		Year	69,6	30,4	2,6	1,4	0,4	21,2	4,8	

Manufacturing divisions and major groups 1/				Utilisation	Reasons for under-utilisation					
					Total under-utilisation	Shortage of			Insufficient demand	Other
						Raw materials	Labour			
			Skilled	Semi- and unskilled						
Textiles	Weight = 1,10	2019	Year	66,7	33,3	1,6	0,7	0,0	28,0	3,1
			2020	Feb	66,0	34,0	1,7	0,9	0,5	26,8
		May		55,0	45,0	2,9	0,4	0,0	28,7	13,0
		Aug		54,5	45,5	3,3	1,1	0,0	32,5	8,6
		Nov		66,0	34,0	3,2	0,9	0,0	24,5	5,4
		Year		60,4	39,6	2,8	0,8	0,1	28,1	7,8
	2021	Feb	65,3	34,7	3,7	1,1	0,4	24,2	5,4	
		May	67,3	32,7	3,9	1,4	0,0	23,5	3,9	
		Aug	66,3	33,7	3,2	1,2	0,4	23,0	5,9	
		Nov	65,7	34,3	3,4	1,5	0,5	23,0	5,8	
		Year	66,2	33,9	3,6	1,3	0,3	23,4	5,3	

Manufacturing divisions and major groups 1/				Utilisation	Reasons for under-utilisation					
					Total under-utilisation	Shortage of			Insufficient demand	Other
						Raw materials	Labour			
			Skilled	Semi- and unskilled						
Wearing apparel	Weight = 2,75	2019	Year	75,3	24,8	0,6	1,5	0,4	18,6	3,7
			2020	Feb	75,2	24,8	0,4	1,3	0,4	19,0
		May		31,8	68,2	0,6	2,3	0,7	43,0	21,7
		Aug		56,9	43,1	0,5	0,7	0,2	23,2	18,5
		Nov		73,8	26,2	0,4	1,7	0,4	19,0	4,7
		Year		59,4	40,6	0,5	1,5	0,4	26,1	12,1
	2021	Feb	73,5	26,5	1,0	1,9	0,4	19,0	4,2	
		May	72,4	27,6	0,9	1,7	0,4	20,4	4,3	
		Aug	71,5	28,5	1,6	1,7	0,4	20,6	4,2	
		Nov	72,9	27,1	0,7	1,7	0,4	20,1	4,3	
		Year	72,6	27,4	1,1	1,8	0,4	20,0	4,3	

1/ Data for the latest two months are preliminary.

Manufacturing divisions and major groups 1/				Utilisation	Reasons for under-utilisation					
					Total under-utilisation	Shortage of			Insufficient demand	Other
						Raw materials	Labour			
			Skilled	Semi- and unskilled						
Leather and leather products	Weight = 0,28	2019	Year	61,9	38,2	3,4	0,6	1,2	29,0	4,1
			2020	Feb	60,8	39,2	2,9	0,6	1,2	29,8
		May		32,4	67,6	2,7	0,9	1,8	44,0	18,1
		Aug		56,7	43,3	3,6	0,6	1,2	31,5	6,5
		Nov		68,7	31,3	1,7	0,6	1,2	23,0	4,8
		Year		54,7	45,4	2,7	0,7	1,4	32,1	8,6
		2021		Feb	63,8	36,2	3,0	0,6	1,2	26,7
			May	50,2	49,8	9,4	0,5	1,4	16,1	22,5
			Aug	56,2	43,8	8,6	0,5	1,4	26,5	6,9
			Nov	58,6	41,4	7,4	0,5	1,4	24,3	7,9
			Year	57,2	42,8	7,1	0,5	1,4	23,4	10,5

Manufacturing divisions and major groups 1/				Utilisation	Reasons for under-utilisation					
					Total under-utilisation	Shortage of			Insufficient demand	Other
						Raw materials	Labour			
			Skilled	Semi- and unskilled						
Footwear	Weight = 0,25	2019	Year	86,7	13,3	1,6	0,9	0,0	10,0	0,8
			2020	Feb	90,2	9,8	0,4	0,7	0,0	7,6
		May		54,3	45,7	1,1	2,1	0,0	32,4	10,2
		Aug		80,4	19,6	2,2	0,7	0,0	13,6	3,0
		Nov		87,7	12,3	1,1	1,5	0,0	9,8	0,0
		Year		78,2	21,9	1,2	1,3	0,0	15,9	3,6
		2021		Feb	81,1	18,9	1,9	1,0	0,0	14,2
			May	81,7	18,3	2,5	1,3	0,0	14,5	0,0
			Aug	84,6	15,4	3,3	1,0	0,0	11,2	0,0
			Nov	84,6	15,4	3,6	0,0	0,0	10,9	1,0
			Year	83,0	17,0	2,8	0,8	0,0	12,7	0,7

Manufacturing divisions and major groups 1/				Utilisation	Reasons for under-utilisation					
					Total under-utilisation	Shortage of			Insufficient demand	Other
						Raw materials	Labour			
			Skilled	Semi- and unskilled						
Division: Wood, paper, publishing and printing	Weight = 10,77	2019	Year	81,8	18,2	0,9	1,2	0,2	12,0	4,0
			2020	Feb	80,1	19,9	0,7	1,2	0,2	13,9
		May		58,4	41,6	1,7	1,6	0,6	23,3	14,4
		Aug		69,7	30,3	2,0	1,1	0,5	20,2	6,5
		Nov		81,3	18,7	1,3	0,8	0,2	11,0	5,4
		Year		72,4	27,6	1,4	1,2	0,4	17,1	7,6
		2021		Feb	81,3	18,7	1,2	0,8	0,2	11,2
			May	81,9	18,1	0,8	0,8	0,2	11,3	5,0
			Aug	82,4	17,6	1,1	0,7	0,2	11,5	4,1
			Nov	82,6	17,4	0,9	0,8	0,2	10,8	4,7
			Year	82,1	18,0	1,0	0,8	0,2	11,2	4,8

1/ Data for the latest two months are preliminary.

Manufacturing divisions and major groups 1/				Utilisation	Reasons for under-utilisation					
					Total under-utilisation	Shortage of			Insufficient demand	Other
						Raw materials	Labour			
			Skilled	Semi- and unskilled						
Wood and products of wood	Weight = 1,80	2019	Year	82,3	17,7	1,8	1,0	0,0	10,1	4,9
		2020	Feb	81,7	18,3	1,9	1,3	0,0	11,2	3,9
			May	57,1	42,9	2,3	1,1	0,0	20,1	19,5
			Aug	79,1	20,9	2,7	1,0	0,0	11,4	5,8
			Nov	83,0	17,0	3,2	0,8	0,0	8,8	4,2
			Year	75,2	24,8	2,5	1,1	0,0	12,9	8,4
	2021	Feb	83,7	16,3	1,9	0,8	0,0	9,2	4,3	
		May	84,0	16,0	2,2	0,8	0,0	9,0	4,0	
		Aug	83,5	16,5	1,8	0,8	0,0	9,7	4,2	
		Nov	83,5	16,5	2,2	0,9	0,0	9,4	4,0	
		Year	83,7	16,3	2,0	0,8	0,0	9,3	4,1	

Manufacturing divisions and major groups 1/				Utilisation	Reasons for under-utilisation					
					Total under-utilisation	Shortage of			Insufficient demand	Other
						Raw materials	Labour			
			Skilled	Semi- and unskilled						
Paper and paper products	Weight = 5,39	2019	Year	85,8	14,2	0,6	1,3	0,0	7,2	5,1
		2020	Feb	82,0	18,0	0,3	1,3	0,0	10,9	5,5
			May	73,7	26,3	0,4	0,9	0,1	11,0	13,9
			Aug	73,1	26,9	1,8	0,9	0,1	15,9	8,2
			Nov	85,3	14,7	0,6	0,9	0,0	8,0	5,2
			Year	78,5	21,5	0,8	1,0	0,1	11,5	8,2
	2021	Feb	85,3	14,7	0,6	0,6	0,0	7,9	5,5	
		May	86,6	13,4	0,6	0,8	0,0	7,2	4,8	
		Aug	87,8	12,2	1,2	0,6	0,1	6,0	4,3	
		Nov	87,1	12,9	0,8	0,7	0,0	6,0	5,4	
		Year	86,7	13,3	0,8	0,7	0,0	6,8	5,0	

Manufacturing divisions and major groups 1/				Utilisation	Reasons for under-utilisation					
					Total under-utilisation	Shortage of			Insufficient demand	Other
						Raw materials	Labour			
			Skilled	Semi- and unskilled						
Publishing, printing and recording media	Weight = 3,58	2019	Year	75,8	24,2	1,1	1,0	0,4	20,1	1,7
		2020	Feb	76,4	23,6	0,7	0,9	0,4	19,9	1,7
			May	36,1	63,9	3,4	3,0	1,7	43,3	12,5
			Aug	59,8	40,2	1,8	1,6	1,3	31,2	4,3
			Nov	74,7	25,3	1,4	0,7	0,4	16,6	6,2
			Year	61,8	38,3	1,8	1,6	1,0	27,8	6,2
	2021	Feb	74,1	25,9	1,8	0,9	0,4	17,2	5,5	
		May	73,6	26,4	0,5	0,9	0,4	18,7	5,8	
		Aug	73,8	26,2	0,6	0,9	0,4	20,5	3,8	
		Nov	75,6	24,4	0,5	0,9	0,4	18,7	4,0	
		Year	74,3	25,7	0,9	0,9	0,4	18,8	4,8	

1/ Data for the latest two months are preliminary.

Manufacturing divisions and major groups 1/				Utilisation	Reasons for under-utilisation					
					Total under-utilisation	Shortage of			Insufficient demand	Other
						Raw materials	Labour			
			Skilled	Semi- and unskilled						
Division: Petroleum, chemical products, rubber and plastic products	Weight = 25,38	2019	Year	83,7	16,4	3,6	0,4	0,1	6,2	6,1
		2020	Feb	82,9	17,1	4,6	0,5	0,1	6,7	5,2
			May	66,1	33,9	4,0	0,5	0,2	15,3	13,9
			Aug	79,9	20,1	3,5	0,5	0,1	8,2	7,8
			Nov	80,7	19,3	3,0	1,1	0,1	5,7	9,4
			Year	77,4	22,6	3,8	0,7	0,1	9,0	9,1
		2021	Feb	78,0	22,0	6,4	0,7	0,2	5,5	9,2
			May	76,3	23,7	6,7	0,5	0,1	5,4	11,0
			Aug	78,5	21,5	3,9	0,3	0,1	5,8	11,4
			Nov	76,6	23,4	6,4	0,7	0,1	4,4	11,8
			Year	77,4	22,7	5,9	0,6	0,1	5,3	10,9

Manufacturing divisions and major groups 1/				Utilisation	Reasons for under-utilisation					
					Total under-utilisation	Shortage of			Insufficient demand	Other
						Raw materials	Labour			
			Skilled	Semi- and unskilled						
Coke, petroleum products and nuclear fuel	Weight = 12,02	2019	Year	83,0	17,1	5,6	0,0	0,0	1,5	10,0
		2020	Feb	82,6	17,4	7,0	0,0	0,0	2,3	8,2
			May	62,0	38,0	5,1	0,0	0,0	14,0	18,9
			Aug	79,3	20,7	4,7	0,0	0,0	3,6	12,4
			Nov	77,1	22,9	3,9	1,2	0,0	0,4	17,4
			Year	75,3	24,8	5,2	0,3	0,0	5,1	14,2
		2021	Feb	73,6	26,4	9,0	0,0	0,0	0,4	17,0
			May	69,1	30,9	9,9	0,0	0,0	0,4	20,6
			Aug	72,6	27,4	5,0	0,0	0,0	0,4	22,1
			Nov	67,6	32,4	9,8	0,0	0,0	0,3	22,2
			Year	70,7	29,3	8,4	0,0	0,0	0,4	20,5

Manufacturing divisions and major groups 1/				Utilisation	Reasons for under-utilisation					
					Total under-utilisation	Shortage of			Insufficient demand	Other
						Raw materials	Labour			
			Skilled	Semi- and unskilled						
Basic chemicals	Weight = 3,69	2019	Year	84,1	15,9	1,8	0,4	0,0	9,1	4,7
		2020	Feb	82,4	17,6	2,8	0,7	0,0	9,0	5,2
			May	55,5	44,5	3,6	0,3	0,0	26,9	13,7
			Aug	77,5	22,5	2,5	0,1	0,0	13,8	6,1
			Nov	85,3	14,7	1,9	0,0	0,0	9,0	3,8
			Year	75,2	24,8	2,7	0,3	0,0	14,7	7,2
		2021	Feb	77,7	22,3	5,9	0,1	0,0	11,4	4,9
			May	82,1	17,9	5,2	0,0	0,0	9,8	2,9
			Aug	82,9	17,1	1,5	0,7	0,1	12,6	2,2
			Nov	86,8	13,2	2,3	0,9	0,0	6,1	3,8
			Year	82,4	17,6	3,7	0,4	0,0	10,0	3,5

1/ Data for the latest two months are preliminary.

Manufacturing divisions and major groups 1/				Utilisation	Reasons for under-utilisation					
					Total under-utilisation	Shortage of			Insufficient demand	Other
						Raw materials	Labour			
				Skilled	Semi- and unskilled					
Other chemical products	Weight = 6,54	2019	Year	84,9	15,2	2,1	0,7	0,3	10,2	2,0
			2020	Feb	84,0	16,0	2,5	0,5	0,4	10,8
		May		78,5	21,5	3,6	0,6	0,6	10,8	5,9
		Aug		82,3	17,7	2,7	0,8	0,5	11,2	2,6
		Nov		84,0	16,0	2,3	0,7	0,3	11,4	1,3
		Year		82,2	17,8	2,8	0,7	0,5	11,1	2,9
		2021	Feb	83,4	16,6	3,6	1,4	0,7	9,7	1,3
			May	83,5	16,5	3,1	0,6	0,3	10,6	1,8
			Aug	83,1	16,9	3,5	0,5	0,3	11,2	1,4
			Nov	83,7	16,3	4,1	0,8	0,4	9,7	1,3
			Year	83,4	16,6	3,6	0,8	0,4	10,3	1,5

Manufacturing divisions and major groups 1/				Utilisation	Reasons for under-utilisation					
					Total under-utilisation	Shortage of			Insufficient demand	Other
						Raw materials	Labour			
				Skilled	Semi- and unskilled					
Rubber products	Weight = 0,84	2019	Year	83,5	16,5	1,2	4,2	0,0	9,7	1,5
			2020	Feb	81,9	18,1	3,5	5,7	0,2	7,9
		May		50,0	50,0	0,7	4,9	0,0	15,8	28,7
		Aug		67,9	32,1	2,4	4,7	0,0	20,0	5,0
		Nov		81,1	18,9	3,5	6,2	0,0	8,0	1,2
		Year		70,2	29,8	2,5	5,4	0,1	12,9	8,9
		2021	Feb	82,0	18,0	3,4	8,0	0,4	6,2	0,0
			May	79,6	20,4	5,9	5,4	0,0	4,9	4,2
			Aug	83,5	16,5	8,2	1,2	0,4	2,8	3,9
			Nov	82,4	17,6	6,5	1,2	0,0	1,5	8,4
			Year	81,9	18,1	6,0	4,0	0,2	3,9	4,1

Manufacturing divisions and major groups 1/				Utilisation	Reasons for under-utilisation					
					Total under-utilisation	Shortage of			Insufficient demand	Other
						Raw materials	Labour			
				Skilled	Semi- and unskilled					
Plastic products	Weight = 2,29	2019	Year	83,0	17,1	1,0	0,8	0,3	13,6	1,5
			2020	Feb	82,6	17,4	1,2	0,7	0,2	13,8
		May		76,3	23,7	1,0	1,2	0,3	15,8	5,4
		Aug		82,9	17,1	1,7	1,6	0,2	11,2	2,5
		Nov		83,0	17,0	1,8	1,1	0,2	11,6	2,3
		Year		81,2	18,8	1,4	1,2	0,2	13,1	2,9
		2021	Feb	83,6	16,4	3,3	0,4	0,2	10,9	1,7
			May	84,0	16,0	2,9	1,5	0,3	9,8	1,6
			Aug	85,5	14,5	2,3	1,0	0,2	9,5	1,6
			Nov	84,1	15,9	1,4	3,3	0,3	9,2	1,6
			Year	84,3	15,7	2,5	1,6	0,3	9,9	1,6

1/ Data for the latest two months are preliminary.

Manufacturing divisions and major groups 1/				Utilisation	Reasons for under-utilisation					
					Total under-utilisation	Shortage of			Insufficient demand	Other
						Raw materials	Labour			
				Skilled	Semi- and unskilled					
Division: Glass and non-metallic mineral products	Weight = 3,42	2019	Year	77,1	22,9	1,2	0,2	0,0	16,1	5,4
		2020	Feb	73,7	26,3	0,3	0,0	0,0	22,5	3,5
			May	43,1	56,9	4,1	4,4	0,2	20,6	27,6
			Aug	70,3	29,7	2,9	0,2	0,1	17,4	9,1
			Nov	77,9	22,1	2,2	0,2	0,0	13,6	6,1
			Year	66,3	33,8	2,4	1,2	0,1	18,5	11,6
	2021	Feb	71,4	28,6	2,2	0,0	0,1	14,6	11,7	
		May	77,0	23,0	2,9	0,1	0,1	13,4	6,5	
		Aug	79,0	21,0	2,1	0,4	0,0	11,9	6,6	
		Nov	77,5	22,5	2,0	0,4	0,0	13,9	6,2	
		Year	76,2	23,8	2,3	0,2	0,1	13,5	7,8	

Manufacturing divisions and major groups 1/				Utilisation	Reasons for under-utilisation					
					Total under-utilisation	Shortage of			Insufficient demand	Other
						Raw materials	Labour			
				Skilled	Semi- and unskilled					
Glass and glass products	Weight = 0,51	2019	Year	88,6	11,4	0,4	0,0	0,0	10,0	1,1
		2020	Feb	81,0	19,0	0,7	0,0	0,0	17,2	1,1
			May	49,5	50,5	0,0	0,0	0,0	19,4	31,2
			Aug	85,3	14,7	1,1	0,0	0,0	11,5	2,2
			Nov	89,9	10,1	0,7	0,0	0,0	8,4	1,1
			Year	76,4	23,6	0,6	0,0	0,0	14,1	8,9
	2021	Feb	80,2	19,8	0,0	0,0	0,0	18,7	1,1	
		May	88,0	12,0	1,2	0,8	0,0	9,5	0,5	
		Aug	90,2	9,8	0,0	0,0	0,0	9,3	0,5	
		Nov	88,8	11,2	0,0	0,0	0,0	10,7	0,5	
		Year	86,8	13,2	0,3	0,2	0,0	12,1	0,7	

Manufacturing divisions and major groups 1/				Utilisation	Reasons for under-utilisation					
					Total under-utilisation	Shortage of			Insufficient demand	Other
						Raw materials	Labour			
				Skilled	Semi- and unskilled					
Other non-metallic mineral products	Weight = 2,91	2019	Year	75,1	24,9	1,4	0,2	0,0	17,2	6,2
		2020	Feb	72,3	27,7	0,3	0,0	0,0	23,5	3,9
			May	42,0	58,0	4,8	5,2	0,2	20,8	27,0
			Aug	67,8	32,2	3,2	0,2	0,1	18,4	10,3
			Nov	75,7	24,3	2,5	0,3	0,0	14,6	6,9
			Year	64,5	35,6	2,7	1,4	0,1	19,3	12,0
	2021	Feb	69,9	30,1	2,6	0,0	0,1	13,9	13,6	
		May	75,1	24,9	3,2	0,0	0,1	14,1	7,5	
		Aug	77,1	22,9	2,4	0,4	0,0	12,4	7,7	
		Nov	75,5	24,5	2,3	0,4	0,0	14,5	7,2	
		Year	74,4	25,6	2,6	0,2	0,1	13,7	9,0	

1/ Data for the latest two months are preliminary.

Manufacturing divisions and major groups 1/				Utilisation	Reasons for under-utilisation					
					Total under-utilisation	Shortage of			Insufficient demand	Other
						Raw materials	Labour			
			Skilled	Semi- and unskilled						
Division: Basic iron and steel, non-ferrous metal products, metal products and machinery	Weight = 19,47	2019	Year	76,6	23,5	2,9	1,4	0,1	16,6	2,5
		2020	Feb	74,6	25,4	4,7	1,4	0,3	15,5	3,5
			May	57,5	42,5	5,6	1,9	0,6	17,3	17,1
			Aug	66,4	33,6	5,9	2,2	0,9	17,2	7,4
			Nov	73,3	26,7	5,7	1,3	0,0	13,6	6,1
			Year	68,0	32,1	5,5	1,7	0,5	15,9	8,5
	2021	Feb	74,3	25,7	6,5	1,2	0,1	13,3	4,6	
		May	74,3	25,7	6,6	1,4	0,2	13,8	3,7	
		Aug	73,9	26,1	6,2	1,0	0,2	14,3	4,4	
		Nov	76,2	23,8	4,5	1,3	0,1	13,6	4,3	
		Year	74,7	25,3	6,0	1,2	0,2	13,8	4,3	

Manufacturing divisions and major groups 1/				Utilisation	Reasons for under-utilisation					
					Total under-utilisation	Shortage of			Insufficient demand	Other
						Raw materials	Labour			
			Skilled	Semi- and unskilled						
Basic iron and steel products	Weight = 2,82	2019	Year	73,2	26,8	6,2	4,0	0,1	12,9	3,7
		2020	Feb	65,6	34,4	6,7	4,2	0,0	14,9	8,6
			May	40,1	59,9	8,3	5,3	0,0	20,9	25,4
			Aug	49,9	50,1	9,7	5,7	0,0	20,4	14,2
			Nov	61,2	38,8	7,5	4,1	0,1	12,5	14,7
			Year	54,2	45,8	8,1	4,8	0,0	17,2	15,7
	2021	Feb	69,5	30,5	9,4	3,4	0,1	8,8	8,9	
		May	75,6	24,4	8,3	2,7	0,0	7,8	5,5	
		Aug	71,7	28,3	6,1	2,5	0,0	12,7	6,9	
		Nov	78,5	21,5	3,8	2,3	0,2	9,2	6,1	
		Year	73,8	26,2	6,9	2,7	0,1	9,6	6,9	

Manufacturing divisions and major groups 1/				Utilisation	Reasons for under-utilisation					
					Total under-utilisation	Shortage of			Insufficient demand	Other
						Raw materials	Labour			
			Skilled	Semi- and unskilled						
Non-ferrous metal products	Weight = 3,26	2019	Year	77,9	22,2	0,9	0,3	0,0	17,1	4,0
		2020	Feb	77,6	22,4	1,2	0,4	0,1	16,5	4,2
			May	55,2	44,8	0,7	0,2	0,0	17,7	26,3
			Aug	67,1	32,9	0,6	0,2	0,0	21,6	10,5
			Nov	70,9	29,1	1,6	0,1	0,0	18,5	8,9
			Year	67,7	32,3	1,0	0,2	0,0	18,6	12,5
	2021	Feb	72,2	27,8	0,9	0,2	0,0	17,4	9,3	
		May	74,1	25,9	0,6	0,2	0,0	20,7	4,4	
		Aug	75,0	25,0	0,6	0,2	0,0	19,9	4,3	
		Nov	74,3	25,7	0,7	0,2	0,0	20,9	3,9	
		Year	73,9	26,1	0,7	0,2	0,0	19,7	5,5	

1/ Data for the latest two months are preliminary.

Manufacturing divisions and major groups 1/				Utilisation	Reasons for under-utilisation					
					Total under-utilisation	Shortage of			Insufficient demand	Other
						Raw materials	Labour			
			Skilled	Semi- and unskilled						
Fabricated metal products	Weight = 5,33	2019	Year	73,0	27,0	2,8	1,7	0,1	18,6	3,9
		2020	Feb	71,8	28,2	3,7	1,5	0,0	17,8	5,2
			May	44,3	55,7	5,4	3,2	0,3	25,2	21,6
			Aug	60,0	40,0	5,7	2,2	0,1	24,9	7,1
			Nov	71,5	28,5	5,6	1,8	0,0	15,7	5,4
			Year	61,9	38,1	5,1	2,2	0,1	20,9	9,8
		2021	Feb	72,5	27,5	6,4	1,9	0,2	15,7	3,4
			May	74,6	25,4	6,6	2,2	0,1	13,2	3,3
			Aug	75,6	24,4	4,2	1,7	0,3	14,9	3,4
			Nov	74,5	25,5	4,3	2,0	0,1	15,7	3,5
			Year	74,3	25,7	5,4	2,0	0,2	14,9	3,4

Manufacturing divisions and major groups 1/				Utilisation	Reasons for under-utilisation					
					Total under-utilisation	Shortage of			Insufficient demand	Other
						Raw materials	Labour			
			Skilled	Semi- and unskilled						
Machinery and equipment	Weight = 8,06	2019	Year	79,4	20,6	2,8	0,8	0,1	16,4	0,7
		2020	Feb	78,2	21,8	6,2	0,9	0,6	13,9	0,3
			May	73,3	26,7	6,9	0,5	1,2	10,6	7,6
			Aug	76,0	24,0	6,8	1,9	2,2	9,1	4,0
			Nov	79,7	20,3	6,9	0,4	0,0	10,6	2,3
			Year	76,8	23,2	6,7	0,9	1,0	11,1	3,6
		2021	Feb	77,9	22,1	7,8	0,5	0,2	11,6	2,0
			May	73,4	26,6	8,5	0,8	0,5	13,6	3,2
			Aug	73,0	27,0	9,9	0,5	0,2	12,2	4,4
			Nov	77,2	22,8	6,5	1,0	0,2	10,8	4,3
			Year	75,4	24,6	8,2	0,7	0,3	12,1	3,5

Manufacturing divisions and major groups 1/				Utilisation	Reasons for under-utilisation					
					Total under-utilisation	Shortage of			Insufficient demand	Other
						Raw materials	Labour			
			Skilled	Semi- and unskilled						
Division: Electrical machinery	Weight = 2,31	2019	Year	78,9	21,1	1,6	1,4	0,5	17,4	0,2
		2020	Feb	76,7	23,3	1,7	0,8	0,0	20,5	0,3
			May	55,2	44,8	2,7	0,0	0,0	26,1	16,0
			Aug	63,0	37,0	1,1	0,9	0,8	25,8	8,4
			Nov	77,6	22,4	2,3	0,4	0,1	18,3	1,5
			Year	68,1	31,9	2,0	0,5	0,2	22,7	6,6
		2021	Feb	80,1	19,9	1,1	0,4	0,4	16,5	1,4
			May	79,9	20,1	2,1	0,4	0,1	16,0	1,5
			Aug	79,3	20,8	1,9	0,4	0,7	16,4	1,4
			Nov	84,5	15,5	3,4	1,3	0,7	8,5	1,7
			Year	81,0	19,1	2,1	0,6	0,5	14,4	1,5

1/ Data for the latest two months are preliminary.

Manufacturing divisions and major groups 1/				Utilisation	Reasons for under-utilisation					
					Total under-utilisation	Shortage of			Insufficient demand	Other
						Raw materials	Labour			
			Skilled	Semi- and unskilled						
Division: Radio, television and communication apparatus and professional equipment	Weight = 1,21	2019	Year	80,4	19,6	1,9	0,0	0,0	17,3	0,5
		2020	Feb	79,2	20,8	2,7	0,0	0,0	17,6	0,5
			May	60,5	39,5	4,0	0,0	0,0	32,2	3,3
			Aug	69,2	30,8	2,9	0,0	0,0	25,6	2,3
			Nov	81,5	18,5	2,3	0,2	0,0	15,0	1,0
			Year	72,6	27,4	3,0	0,1	0,0	22,6	1,8
	2021	Feb	77,5	22,5	3,6	0,0	0,0	17,6	1,3	
		May	81,2	18,8	4,6	0,0	0,0	13,1	1,1	
		Aug	81,8	18,2	3,4	0,0	0,0	14,3	0,5	
		Nov	82,8	17,2	3,3	0,0	0,0	13,4	0,5	
		Year	80,8	19,2	3,7	0,0	0,0	14,6	0,9	

Manufacturing divisions and major groups 1/				Utilisation	Reasons for under-utilisation					
					Total under-utilisation	Shortage of			Insufficient demand	Other
						Raw materials	Labour			
			Skilled	Semi- and unskilled						
Radio, television and communication apparatus	Weight = 0,13	2019	Year	76,1	23,9	3,8	0,0	0,0	19,2	1,0
		2020	Feb	76,2	23,8	6,5	0,0	0,0	17,3	0,0
			May	61,7	38,3	3,0	0,0	0,0	30,8	4,5
			Aug	71,6	28,4	5,8	0,0	0,0	21,9	0,7
			Nov	77,5	22,5	2,6	1,5	0,0	15,3	3,0
			Year	71,8	28,3	4,5	0,4	0,0	21,3	2,1
	2021	Feb	73,3	26,7	4,2	0,0	0,0	18,8	3,7	
		May	77,5	22,5	3,9	0,0	0,0	17,2	1,4	
		Aug	78,2	21,8	4,5	0,0	0,0	15,0	2,3	
		Nov	78,2	21,8	3,6	0,0	0,0	16,0	2,3	
		Year	76,8	23,2	4,1	0,0	0,0	16,8	2,4	

Manufacturing divisions and major groups 1/				Utilisation	Reasons for under-utilisation					
					Total under-utilisation	Shortage of			Insufficient demand	Other
						Raw materials	Labour			
			Skilled	Semi- and unskilled						
Professional equipment	Weight = 1,08	2019	Year	81,0	19,1	1,6	0,0	0,0	17,1	0,4
		2020	Feb	79,5	20,5	2,3	0,0	0,0	17,7	0,6
			May	60,3	39,7	4,1	0,0	0,0	32,3	3,2
			Aug	69,0	31,0	2,5	0,0	0,0	26,0	2,5
			Nov	82,0	18,0	2,3	0,0	0,0	15,0	0,8
			Year	72,7	27,3	2,8	0,0	0,0	22,8	1,8
	2021	Feb	78,1	21,9	3,5	0,0	0,0	17,4	1,0	
		May	81,6	18,4	4,7	0,0	0,0	12,6	1,1	
		Aug	82,3	17,7	3,2	0,0	0,0	14,2	0,3	
		Nov	83,4	16,6	3,2	0,0	0,0	13,0	0,3	
		Year	81,4	18,7	3,7	0,0	0,0	14,3	0,7	

1/ Data for the latest two months are preliminary.

Manufacturing divisions and major groups 1/				Utilisation	Reasons for under-utilisation					
					Total under-utilisation	Shortage of			Insufficient demand	Other
						Raw materials	Labour			
				Skilled	Semi- and unskilled					
Division: Motor vehicles, parts and accessories and other transport equipment	Weight = 8,66	2019	Year	80,5	19,5	0,9	0,9	0,1	14,1	3,6
			2020	Feb	79,0	21,0	0,9	0,9	0,1	15,2
		May		44,5	55,5	2,2	0,4	0,0	25,0	27,9
		Aug		67,1	32,9	1,6	0,6	0,0	19,6	11,1
		Nov		78,0	22,0	1,6	0,6	0,0	14,2	5,6
		Year		67,2	32,9	1,6	0,6	0,0	18,5	12,1
		2021	Feb	78,6	21,4	2,1	0,5	0,0	15,3	3,5
			May	78,7	21,3	2,1	0,2	0,0	13,9	5,1
			Aug	71,5	28,5	4,2	0,2	0,0	14,7	9,4
			Nov	80,5	19,5	3,2	0,2	0,1	13,0	3,0
			Year	77,3	22,7	2,9	0,3	0,0	14,2	5,3

Manufacturing divisions and major groups 1/				Utilisation	Reasons for under-utilisation					
					Total under-utilisation	Shortage of			Insufficient demand	Other
						Raw materials	Labour			
				Skilled	Semi- and unskilled					
Motor vehicles, trailers and parts and accessories	Weight = 7,29	2019	Year	83,9	16,2	1,0	0,2	0,0	12,2	2,8
			2020	Feb	82,2	17,8	1,1	0,2	0,0	13,4
		May		47,1	52,9	2,5	0,5	0,0	24,9	25,0
		Aug		68,7	31,3	1,9	0,7	0,0	20,3	8,5
		Nov		80,7	19,3	1,9	0,6	0,0	12,9	3,9
		Year		69,7	30,3	1,9	0,5	0,0	17,9	10,1
		2021	Feb	82,0	18,0	2,4	0,5	0,0	12,5	2,5
			May	82,1	17,9	2,3	0,2	0,0	11,0	4,3
			Aug	73,3	26,7	4,9	0,2	0,0	12,2	9,4
			Nov	83,3	16,7	3,7	0,2	0,1	10,3	2,4
			Year	80,2	19,8	3,3	0,3	0,0	11,5	4,7

Manufacturing divisions and major groups 1/				Utilisation	Reasons for under-utilisation					
					Total under-utilisation	Shortage of			Insufficient demand	Other
						Raw materials	Labour			
				Skilled	Semi- and unskilled					
Other transport equipment	Weight = 1,37	2019	Year	62,3	37,7	0,2	4,7	0,3	24,8	7,9
			2020	Feb	62,1	37,9	0,0	4,6	0,3	25,0
		May		31,0	69,0	0,3	0,0	0,0	25,4	43,3
		Aug		57,9	42,1	0,0	0,3	0,0	16,3	25,5
		Nov		63,3	36,7	0,0	0,4	0,2	21,3	14,8
		Year		53,6	46,4	0,1	1,3	0,1	22,0	22,9
		2021	Feb	60,7	39,3	0,4	0,2	0,0	29,9	8,8
			May	60,4	39,6	0,9	0,2	0,0	29,4	9,2
			Aug	61,7	38,3	0,4	0,2	0,0	28,5	9,2
			Nov	65,3	34,7	0,4	0,2	0,0	27,3	6,8
			Year	62,0	38,0	0,5	0,2	0,0	28,8	8,5

1/ Data for the latest two months are preliminary.

Manufacturing divisions and major groups 1/				Utilisation	Reasons for under-utilisation					
					Total under-utilisation	Shortage of			Insufficient demand	Other
						Raw materials	Labour			
		Skilled	Semi- and unskilled							
Division: Furniture and other manufacturing industries	Weight = 4,21	2019	Year	80,2	19,9	1,7	0,8	0,5	15,4	1,5
		2020	Feb	79,3	20,7	2,0	1,5	0,4	15,3	1,5
			May	31,1	68,9	3,2	1,1	0,3	20,8	43,5
			Aug	76,3	23,7	2,5	1,2	0,3	14,1	5,6
			Nov	66,2	33,8	6,0	0,7	0,2	20,8	6,1
			Year	63,2	36,8	3,4	1,1	0,3	17,8	14,2
		2021	Feb	74,6	25,4	2,3	0,8	0,6	19,6	2,1
			May	77,2	22,8	2,2	0,4	0,6	17,1	2,5
			Aug	82,7	17,3	2,1	0,4	0,2	10,9	3,7
			Nov	81,7	18,3	1,6	0,4	0,5	12,4	3,4
			Year	79,1	21,0	2,1	0,5	0,5	15,0	2,9

Manufacturing divisions and major groups 1/				Utilisation	Reasons for under-utilisation					
					Total under-utilisation	Shortage of			Insufficient demand	Other
						Raw materials	Labour			
		Skilled	Semi- and unskilled							
Furniture	Weight = 0,86	2019	Year	82,4	17,7	0,8	0,0	1,7	15,2	0,0
		2020	Feb	71,7	28,3	0,0	2,3	0,8	25,2	0,0
			May	42,5	57,5	0,0	0,0	0,0	44,5	13,0
			Aug	77,8	22,2	2,9	2,0	0,0	17,3	0,0
			Nov	79,4	20,6	0,0	0,0	0,0	20,6	0,0
			Year	67,9	32,2	0,7	1,1	0,2	26,9	3,3
		2021	Feb	76,7	23,3	2,9	0,0	2,0	18,4	0,0
			May	78,0	22,0	2,3	0,0	1,5	18,2	0,0
			Aug	78,0	22,0	3,0	0,0	0,0	18,9	0,0
			Nov	79,3	20,7	2,2	0,0	1,1	17,4	0,0
			Year	78,0	22,0	2,6	0,0	1,2	18,2	0,0

Manufacturing divisions and major groups 1/				Utilisation	Reasons for under-utilisation					
					Total under-utilisation	Shortage of			Insufficient demand	Other
						Raw materials	Labour			
		Skilled	Semi- and unskilled							
Other manufacturing groups including tobacco products	Weight = 3,35	2019	Year	79,5	20,5	1,9	1,0	0,2	15,5	1,9
		2020	Feb	81,3	18,7	2,5	1,3	0,4	12,7	1,9
			May	28,4	71,6	4,0	1,4	0,3	14,6	51,3
			Aug	75,9	24,1	2,4	1,0	0,3	13,3	7,1
			Nov	62,7	37,3	7,6	0,9	0,3	20,8	7,7
			Year	62,1	37,9	4,1	1,2	0,3	15,4	17,0
		2021	Feb	74,1	25,9	2,2	1,0	0,2	19,9	2,7
			May	76,9	23,1	2,2	0,5	0,4	16,8	3,2
			Aug	83,9	16,1	1,9	0,5	0,3	8,8	4,6
			Nov	82,3	17,7	1,4	0,5	0,3	11,1	4,3
			Year	79,3	20,7	1,9	0,6	0,3	14,2	3,7

1/ Data for the latest two months are preliminary.

Total manufacturing 1/				Utilisation	Reasons for under-utilisation					
					Total under-utilisation	Shortage of			Insufficient demand	Other
						Raw materials	Labour			
			Skilled	Semi- and unskilled						
Total manufacturing	Weight = 100	2019	Year	80,7	19,4	2,3	0,9	0,2	12,1	3,9
		2020	Feb	77,4	22,6	2,9	1,0	0,2	13,0	5,5
			May	57,9	42,1	3,5	1,4	0,3	19,6	17,3
			Aug	71,7	28,3	3,2	1,0	0,3	16,0	7,8
			Nov	78,7	21,3	3,0	0,9	0,1	11,2	6,1
			Year	71,4	28,6	3,2	1,1	0,2	15,0	9,2
		2021	Feb	75,7	24,3	3,8	0,8	0,2	11,9	7,6
			May	77,9	22,1	4,1	0,7	0,2	11,2	5,9
			Aug	78,0	22,0	3,6	0,7	0,2	11,2	6,3
			Nov	78,9	21,1	3,8	0,9	0,2	10,3	5,9
			Year	77,6	22,4	3,8	0,8	0,2	11,2	6,4

1/ Data for the latest two months are preliminary.

Explanatory notes

Introduction	1	<p>This statistical release contains information regarding utilisation of production capacity, total under-utilisation and reasons for under-utilisation by division and major group within manufacturing, on a three-monthly basis. Statistics South Africa (Stats SA) conducts the survey of utilisation of production capacity by large enterprises mainly engaged in the manufacturing industry.</p>
	2	<p>Stats SA is continuously updating its Business Register, based on the value added tax (VAT) database obtained from the South African Revenue Service (SARS).</p>
Purpose of the survey	3	<p>The results of the quarterly manufacturing utilisation of production capacity survey are used to assess the degree of capacity constraint experienced in the manufacturing industry. The information in this release is a key component in the Composite Coincident Business Cycle Indicator and is used to analyse movements in gross fixed capital formation in the national accounts.</p>
Scope of the survey	4	<p>This survey covers large manufacturing enterprises, i.e. those with turnover greater than R100 million per annum and conducting activities in:</p> <ul style="list-style-type: none"> • the manufacturing, processing, making or packing of products; • the slaughtering of animals, including poultry; and • installation, assembly, completion, repair and related work.
Classification	5	<p>The 1993 edition of the <i>Standard Industrial Classification of all Economic Activities</i> (SIC), Fifth Edition, Report No. 09-90-02, was used to classify the statistical units in the survey. The SIC is based on the 1990 <i>International Standard Industrial Classification of all Economic Activities</i> (ISIC) with suitable adaptations for local conditions. Each enterprise is classified to an industry which reflects its predominant activity.</p>
Collection rate	6	<p>The preliminary collection rate for the survey on manufacturing: utilisation of production capacity by large enterprises for November 2021 was 68,9%. The collection rate for August 2021 was 72,2%.</p>
Survey methodology and design	7	<p>The survey is collected by email and telephone for four months per year, namely February, May, August and November. Questionnaires are sent to a sample of approximately 980 enterprises. Completed questionnaires are required to be returned to Stats SA within 10 days after the end of the reference month. Email and telephone reminders are used to follow up non-respondents.</p>
Sample design	8	<p>There is no probability sampling involved in this survey. The rate of utilisation of production capacity is obtained three-monthly from a population of approximately 980 large enterprises (those with VAT turnover greater than R100 million per annum), which is a subset of a population of approximately 45 130 manufacturing enterprises. The population is classified to major group at the SIC three-digit level.</p>
Weighting methodology	9	<p>The weights for aggregating the utilisation rate of manufacturing major groups to divisions and divisions to total manufacturing were calculated based on the results of the most recent census of manufacturing, large sample survey (LSS) of the manufacturing industry or national accounts (NA) value added data. The under-utilisation of each major group in a division is multiplied by the applicable weight and aggregated to reflect the under-utilisation of the division. The under-utilisation of total manufacturing is calculated by weighting the under-utilisation of the divisions. The reasons for under-utilisation are weighted according to the relative importance of the reasons furnished by the respondents. If the respondent gives three reasons for under-utilisation, the weight of the most important reason is 0,5; the weight of the second-most important reason is 0,33 and the weight of the least important reason is 0,17.</p> <p>The percentage under-utilisation of the most important reason is 0,5 multiplied by the total under-utilisation reported by the respective respondent. The percentage under-utilisation of the second-most important reason and least important reason are calculated in the same way.</p>

The total under-utilisation per reason within a major group is calculated by adding the weighted under-utilisation reported by each respondent per reason per major group. The total under-utilisation per reason per division is calculated by weighting the under-utilisation per group in the division. The under-utilisation per reason of total manufacturing is calculated by weighting the under-utilisation rate of the divisions. The weighting factors for aggregating the under-utilisation rate per reason of manufacturing major groups to divisions and divisions to total manufacturing were calculated per reason based on the results of the most recent census of manufacturing, large sample survey (LSS) of the manufacturing industry or national accounts (NA) value added data. Weights between census/LSS/NA years are fixed. The table below reflects the period and the census/LSS/NA which were used as base year for the given period.

Period	Source
1998 to 2000	1996 Census of manufacturing
2001 to 2004	2001 LSS
2005 to 2009	2005 LSS
2010 to 2021	National accounts

A weight is calculated for each enterprise based on the total sales of the enterprise compared with the total sales of enterprises classified in the major group.

Trend cycle	10	The trend is the long-term pattern or movement of a time series. The X-12 Seasonal Adjustment Programme is used for smoothing seasonally adjusted estimates to estimates of the underlying trend.														
Reliability of estimates	11	Data presented in this publication are based on information obtained from a partial coverage collection of only the large enterprises in manufacturing, and therefore may differ from the figures that would have been produced if the data had also been obtained from a representative sample of smaller enterprises in manufacturing.														
	12	Within the defined coverage, inaccuracies may occur because of imperfections in reporting by enterprises and errors made in the collection and processing of the data. Inaccuracies of this kind are referred to as non-sampling errors. Every effort is made to minimise non-sampling errors by careful design of questionnaires, testing them in pilot studies, editing reported data and implementing efficient operating procedures. Fluctuations may occur in consecutive observations as a result of seasonal and economic factors.														
Revised figures	13	Revised figures in this issue are due to late submissions of data to Stats SA, or to respondents reporting revisions or corrections to their figures. Preliminary figures are indicated in the relevant tables. Data are edited at the enterprise level.														
Related publications	14	Users may also wish to refer to <i>Stats in Brief</i> available from Stats SA.														
Reference period	15	The reference period is one month, and the survey is collected for the months of February, May, August and November.														
Rounding-off of figures	16	Where necessary, the figures in the tables have been rounded off to the nearest digit shown. There may therefore be slight discrepancies between the sums of the constituent items and the totals shown.														
Symbols and abbreviations	17	<table> <tbody> <tr> <td>ISIC</td> <td>International Standard Industrial Classification</td> </tr> <tr> <td>SIC</td> <td>Standard Industrial Classification of all Economic Activities</td> </tr> <tr> <td>SARS</td> <td>South African Revenue Service</td> </tr> <tr> <td>Stats SA</td> <td>Statistics South Africa</td> </tr> <tr> <td>VAT</td> <td>Value added tax</td> </tr> <tr> <td>0,0</td> <td>Figure too small to publish</td> </tr> <tr> <td>*</td> <td>Revised figures</td> </tr> </tbody> </table>	ISIC	International Standard Industrial Classification	SIC	Standard Industrial Classification of all Economic Activities	SARS	South African Revenue Service	Stats SA	Statistics South Africa	VAT	Value added tax	0,0	Figure too small to publish	*	Revised figures
ISIC	International Standard Industrial Classification															
SIC	Standard Industrial Classification of all Economic Activities															
SARS	South African Revenue Service															
Stats SA	Statistics South Africa															
VAT	Value added tax															
0,0	Figure too small to publish															
*	Revised figures															

Glossary

Enterprise	An enterprise is a legal entity or a combination of legal entities that includes and directly controls all functions necessary to carry out its production activities.
Industry	An industry is made up of enterprises engaged in the same or similar kinds of economic activity. Industries are defined in the <i>System of National Accounts</i> (SNA) in the same way as in the <i>Standard Industrial Classification of all Economic Activities</i> , (SIC) Fifth Edition, Report No. 09-90-02 of January 1993.
Output	<p>Output is the aggregate value of goods manufactured and work done and includes:</p> <ul style="list-style-type: none"> • sales and transfers-out of own manufactures, factory waste and stocks of factored goods; • repairs; • installation, erection and assembly; • sundry trading revenue; • sales of factored goods minus purchases of factored goods; • rent and leasing received; • royalties received; • difference between opening value and closing value of work in progress, stocks of own manufactures and stock of factored goods; • head office charges; and • other revenue. <p>Output excludes excise and customs duty paid.</p>
Statistical unit	A statistical unit is a unit about which statistics are tabulated, compiled or published. The statistical units are derived from and linked to the South African Revenue Service (SARS) administrative data.
Skilled employees	Skilled employees are persons who have undergone training or education in and/or outside their work environment and who are in possession of a minimum level of secondary qualification to qualify for their occupation. Employees in this category must have undergone at least two years study or training after having completed Grade 12.
Semi-skilled employees	Semi-skilled employees are persons who acquired their expertise through a relatively short training period (single days or weeks) after which the required tasks should be efficiently performed. They must possess basic literacy and numeracy prior to training, but primary education is sufficient as a prerequisite for training.
Unskilled employees	Unskilled employees are persons who have not undergone any formal training or of whom no minimum level of education is required.
‘Other’ reasons for under-utilisation	Other reasons include reasons such as downtime due to maintenance, changes in productivity and seasonal factors.
Percentage utilisation of production capacity	The percentage utilisation of production capacity in the manufacturing industry is a measure of the use of manpower, plant and machinery in manufacturing.
Percentage under-utilisation of production capacity	The percentage under-utilisation of production capacity is calculated by deducting the percentage utilisation of production capacity from a hundred.

Value added

Value added is the value of output less intermediate consumption. It represents the value added to the cost of the materials used in the process of production.

Turnover

Turnover refers to:

- the value of sales and transfers out of all own manufactured products/articles;
- amounts received for work done; and
- amounts received for services rendered.

Turnover excludes:

- value added tax (VAT);
- export freight charges; and
- excise duty.

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Table C – Weights according to manufacturing major groups

Manufacturing division and major group	Weights used for manufacturing utilisation rates by period			
	2015 (based on value added for 2013 – 2015)	2016 (based on value added for 2014 – 2016)	2017 (based on value added for 2015 – 2017)	2018 – 2021 (based on value added for 2016 – 2018)
Food and beverages	18,90	19,24	19,76	20,18
Meat, fish, fruit, etc.	2,50	2,58	2,74	2,95
Dairy products	1,21	1,27	1,32	1,34
Grain mill products	1,98	1,95	1,81	1,69
Other food products	7,04	7,29	7,53	7,76
Beverages	6,17	6,15	6,36	6,44
Textiles, clothing, leather and footwear	4,63	4,55	4,44	4,38
Textiles	1,17	1,15	1,11	1,10
Other textile products	0,68	0,67	0,67	0,65
Knitted, crocheted articles	0,06	0,06	0,06	0,06
Wearing apparel	2,16	2,13	2,07	2,04
Leather and leather products	0,30	0,29	0,28	0,28
Footwear	0,26	0,25	0,25	0,25
Wood and wood products, paper, publishing and printing	10,83	10,88	10,76	10,77
Sawmilling and planing of wood	0,89	0,93	0,93	0,93
Products of wood	0,78	0,83	0,86	0,87
Paper and paper products	5,24	5,38	5,33	5,39
Publishing	2,40	2,31	2,28	2,24
Printing, recorded media	1,52	1,43	1,36	1,34
Petroleum, chemical products, rubber and plastic products	24,17	24,66	25,25	25,38
Coke, petroleum products and nuclear fuel	10,48	10,98	11,72	12,02
Basic chemicals	4,18	4,10	3,82	3,69
Other chemical products	6,36	6,28	6,42	6,54
Rubber products	0,98	0,96	0,91	0,84
Plastic products	2,17	2,34	2,38	2,29
Glass and non-metallic mineral products	4,27	3,98	3,66	3,42
Glass and glass products	0,67	0,61	0,57	0,51
Non-metallic mineral products	3,60	3,37	3,09	2,91
Basic iron and steel, non-ferrous metal products, metal products and machinery	20,17	19,82	19,55	19,47
Basic iron and steel products	3,06	2,86	2,77	2,82
Non-ferrous metal products (including precious metals)	3,94	3,74	3,48	3,26
Structural metal products	1,90	1,92	1,97	1,98
Other fabricated metal products	3,37	3,33	3,32	3,35
General purpose machinery	3,22	3,35	3,36	3,46
Special purpose machinery	4,01	3,93	3,93	3,87
Household appliances	0,67	0,69	0,71	0,73
Electrical machinery	2,65	2,55	2,42	2,31
Radio, television and communication apparatus and professional equipment	1,45	1,46	1,34	1,21
Radio, television and communication apparatus	0,51	0,43	0,29	0,13
Professional equipment	0,94	1,03	1,05	1,08
Motor vehicles, parts and accessories and other transport equipment	8,63	8,63	8,56	8,66
Motor vehicles	2,53	2,51	2,61	2,65
Bodies for motor vehicles, trailers and semi-trailers	0,61	0,66	0,68	0,71
Parts and accessories	4,13	4,10	3,91	3,93
Other transport equipment	1,36	1,36	1,36	1,37
Furniture and other manufacturing	4,29	4,22	4,26	4,21
Furniture	0,87	0,88	0,91	0,86
Other manufacturing groups	3,42	3,34	3,35	3,35
Total	100	100	100	100

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