

Table 2. Volume of Production Index (VoPI), Year-on-Year and Month-on-Month Growth Rates for Manufacturing Sector

January 2001 - July 2002
(1994 = 100)

Year/Month	TOTAL MANUFACTURING			FOOD MANUFACTURING		
	INDEX	Year-on-Year Growth Rates	Month-on-Month Growth Rates	INDEX	Year-on-Year Growth Rates	Month-on-Month Growth Rates
2001	116.8	-6.4		98.0	9.6	
January	113.1	-0.8	-14.9	83.9	-2.5	-6.0
February	115.6	-1.1	2.2	100.0	14.0	19.3
March	128.3	3.8	11.0	102.5	4.2	2.5
April	106.0	-3.5	-17.4	86.3	10.2	-15.8
May	112.7	-9.5	6.3	95.5	10.2	10.7
June	122.6	-7.4	8.8	103.2	12.9	8.0
July	112.2	-8.6	-8.5	99.3	11.7	-3.8
August	122.3	-4.0	9.0	104.4	9.8	5.2
September	117.5	-9.6	-3.9	96.1	0.0	-8.0
October	119.3	-12.5	1.6	99.5	12.6	3.5
November	116.3	-10.8	-2.6	100.9	15.3	1.4
December	115.9	-12.8	-0.3	104.0	16.6	3.1
2002						
January	111.9r	-1.1	-3.4	101.5r	21.1	-2.4
February	116.6r	0.9	4.2	112.2r	12.2	10.5
March	121.7r	-5.1	4.4	117.5r	14.7	4.8
April	119.0r	12.2	-2.3	108.9r	26.3	-7.3
May	121.7r	8.0	2.3	106.4r	11.4	-2.3
June	125.1r	2.1	2.8	113.8r	10.3	7.0
July	119.4	6.4	-4.6	109.0	9.8	-4.2

Table 2 (continued)

Year/Month	BEVERAGE			TOBACCO		
	INDEX	Year-on-Year Growth Rates	Month-on-Month Growth Rates	INDEX	Year-on-Year Growth Rates	Month-on-Month Growth Rates
2001	134.4	-9.7		101.7	-12.1	
January	138.5	-8.6	-20.6	99.1	6.7	-18.5
February	131.2	-9.4	-5.3	115.3	1.5	16.3
March	164.3	2.4	25.2	106.9	-7.9	-7.3
April	142.4	-6.0	-13.3	87.1	-27.7	-18.5
May	136.3	-12.0	-4.3	109.2	-9.4	25.4
June	145.1	-12.4	6.5	117.1	2.8	7.2
July	110.7	-16.0	-23.7	95.7	-17.2	-18.3
August	115.4	-17.8	4.3	104.8	-6.6	9.6
September	128.9	-14.4	11.6	96.1	-21.8	-8.3
October	124.8	-11.3	-3.2	113.9	-13.2	18.6
November	135.0	8.9	8.1	108.9	-7.2	-4.4
December	140.5	-19.5	4.1	66.2	-45.5	-39.2
2002						
January	92.9	-32.9	-33.8	116.5	17.6	76.0
February	101.0	-23.0	8.7	97.4	-15.5	-16.4
March	122.7	-25.3	21.4	102.3	-4.3	5.0
April	121.8r	-14.5	-0.7	98.1r	12.7	-4.1
May	122.1r	-10.4	0.2	105.8	-3.2	7.8
June	132.2r	-8.9	8.2	107.0r	-8.6	1.2
July	118.5	7.0	-10.4	109.1	14.0	1.9

Table 2 (continued)

Year/Month	TEXTILE			FOOTWEAR AND WEARING APPAREL		
	INDEX	Year-on-Year Growth Rates	Month-on-Month Growth Rates	INDEX	Year-on-Year Growth Rates	Month-on-Month Growth Rates
2001	68.4	-7.3		69.4	40.1	
January	65.1	-4.3	1.5	38.0r	-16.0	-20.8
February	67.3	-5.6	3.3	51.1r	15.0	34.4
March	72.0	7.4	7.0	50.3r	4.3	-1.5
April	56.9	-8.1	-20.9	41.5r	-5.8	-17.5
May	64.4	-16.4	13.1	46.1r	3.0	11.0
June	66.3	-15.0	3.0	45.1r	-5.2	-2.2
July	71.2	-15.7	7.4	89.6r	78.8	99.0
August	74.5	-10.3	4.6	101.0r	82.4	12.7
September	84.6	-2.9	13.7	91.4r	75.8	-9.5
October	77.2	-5.5	-8.8	75.7r	41.3	-17.2
November	66.0	2.8	-14.5	94.4r	79.9	24.6
December	55.0	-14.2	-16.6	109.2r	127.5	15.7
2002						
January	64.7	-0.7	17.5	68.7	80.8	-37.1
February	73.4	9.1	13.5	84.9r	66.2	23.6
March	78.8	9.4	7.4	70.6r	40.4	-16.8
April	78.8	38.5	0.1	76.2r	83.7	7.9
May	76.8	19.3	-2.6	86.8r	88.5	13.9
June	83.5r	26.0	8.8	86.4r	91.9	-0.4
July	85.2	19.7	2.0	95.4	6.5	10.4

Table 2 (continued)

Year/Month	WOOD AND WOOD PRODUCTS			FURNITURE AND FIXTURES		
	INDEX	Year-on-Year Growth Rates	Month-on-Month Growth Rates	INDEX	Year-on-Year Growth Rates	Month-on-Month Growth Rates
2001	85.8	7.7		58.2	-13.6	
January	73.2	10.8	-12.2	56.6	-14.8	-7.2
February	89.8	20.4	22.7	59.9	6.2	6.0
March	81.5	-11.6	-9.2	53.0	-13.3	-11.5
April	97.7	21.9	19.8	54.1	-9.9	2.0
May	91.0	-2.6	-6.8	62.0	-7.7	14.6
June	90.0	3.8	-1.2	56.3	-27.0	-9.2
July	90.3	3.7	0.4	60.5	-13.7	7.4
August	87.9	11.4	-2.6	64.8	-15.3	7.1
September	78.3	-8.2	-11.0	62.3	-19.2	-3.9
October	77.1	10.9	-1.5	62.6	-15.0	0.5
November	98.2	43.4	27.4	52.1	-22.1	-16.7
December	74.2	-11.0	-24.5	53.6	-12.0	2.9
2002						
January	62.6r	-14.5	-15.6	50.1r	-11.5	-6.6
February	72.5r	-19.3	15.8	58.3r	-2.7	16.5
March	73.9r	-9.4	1.8	67.2r	26.6	15.1
April	69.4r	-29.0	-6.1	54.7r	1.1	-18.6
May	75.9r	-16.6	9.4	53.4r	-13.9	-2.4
June	81.1r	-9.9	6.8	59.5r	5.6	11.5
July	68.1	-24.6	-16.0	60.0	-0.9	0.8

Table 2 (continued)

Year/Month	PAPER & PAPER PRODUCTS			PUBLISHING AND PRINTING		
	INDEX	Year-on-Year Growth Rates	Month-on-Month Growth Rates	INDEX	Year-on-Year Growth Rates	Month-on-Month Growth Rates
2001	107.5	-22.5		202.4	-3.8	
January	124.9	5.3	-14.1	182.2	-17.5	-15.2
February	122.5	-4.0	-2.0	168.8	-9.5	-7.3
March	127.2	-8.5	3.8	237.8	-1.3	40.9
April	113.7	-13.2	-10.6	174.5	-20.7	-26.6
May	103.5	-26.3	-9.0	221.0	-17.4	26.6
June	100.1	-32.0	-3.3	193.8	-11.0	-12.3
July	111.6	-22.4	11.4	197.6	-4.5	1.9
August	111.3	-28.7	-0.2	209.7	-7.1	6.1
September	110.3	-24.8	-0.9	189.6	7.7	-9.6
October	96.2	-34.3	-12.8	206.7	6.3	9.0
November	84.0	-39.3	-12.7	205.0	17.0	-0.8
December	85.3	-41.3	1.6	242.6	12.9	18.3
2002						
January	85.1	-31.8	-0.2	162.7r	-10.7	-32.9
February	82.0	-33.0	-3.7	143.6r	-15.0	-11.8
March	90.0	-29.3	9.7	148.3r	-37.6	3.3
April	91.8r	-19.2	2.0	150.0r	-14.0	1.2
May	91.1r	-12.0	-0.8	179.2r	-18.9	19.4
June	95.7r	-4.5	5.0	164.8r	-15.0	-8.0
July	92.2	-17.3	-3.6	171.1	-13.4	3.8

Table 2 (continued)

Year/Month	LEATHER PRODUCTS			RUBBER PRODUCTS		
	INDEX	Year-on-Year Growth Rates	Month-on-Month Growth Rates	INDEX	Year-on-Year Growth Rates	Month-on-Month Growth Rates
2001	62.9	35.6		59.7	-20.9	
January	58.7	0.2	11.8	67.3	-24.6	36.2
February	48.7	-41.0	-17.1	64.4	-25.1	-4.4
March	54.7	11.7	12.3	76.3	-15.4	18.6
April	42.2	15.1	-22.8	55.5	-24.4	-27.3
May	62.8	21.5	48.7	62.7	-19.9	13.1
June	76.0	62.2	21.0	57.0	-23.6	-9.2
July	117.1	245.7	54.1	60.4	-15.1	6.0
August	101.0	146.2	-13.7	62.9	-27.7	4.1
September	92.5	81.4	-8.4	59.5	-27.0	-5.3
October	46.6	-28.7	-49.6	63.0	-18.0	5.8
November	24.6	-44.4	-47.3	43.0	-19.3	-31.8
December	30.1	-42.6	22.7	44.1	-10.7	2.7
2002						
January	72.6	23.7	141.0	74.5	10.7	68.9
February	29.2r	-40.1	-59.8	65.8	2.1	-11.8
March	75.4r	38.0	158.5	59.1	-22.6	-10.1
April	48.2r	14.2	-36.1	61.9	11.7	4.8
May	77.7r	23.7	61.1	63.7r	1.5	2.8
June	74.6r	-1.8	-3.9	59.4r	4.4	-6.6
July	135.5	15.8	81.7	59.5	-1.5	0.1

Table 2 (continued)

Year/Month	CHEMICAL PRODUCTS			PETROLEUM PRODUCTS		
	INDEX	Year-on-Year Growth Rates	Month-on-Month Growth Rates	INDEX	Year-on-Year Growth Rates	Month-on-Month Growth Rates
2001	153.7	-11.8		110.0	-1.3	
January	148.1	0.5	-14.4	111.6	4.7	-9.6
February	144.0	-13.0	-2.8	106.8	-1.2	-4.3
March	171.4	-5.5	19.0	116.8	23.4	9.3
April	136.1	-13.1	-20.6	110.9	-0.7	-5.0
May	155.8	-10.1	14.5	93.1	-21.8	-16.1
June	158.1	-29.9	1.4	116.2	-0.2	24.8
July	156.6	-8.7	-0.9	101.0	-3.2	-13.1
August	160.8	-10.9	2.7	123.2	21.3	22.0
September	139.3	-18.1	-13.3	119.2	6.2	-3.3
October	157.9	-14.7	13.3	116.2	-12.6	-2.5
November	152.3	-13.0	-3.5	100.0	-17.3	-13.9
December	164.4	-4.9	8.0	105.2	-14.7	5.2
2002						
January	140.0r	-5.5	-14.9	81.7	-26.8	-22.4
February	141.2r	-1.9	0.9	72.5	-32.2	-11.2
March	147.1r	-14.2	4.2	75.1	-35.7	3.6
April	121.0r	-11.1	-17.7	95.6	-13.8	27.4
May	135.4r	-13.1	11.8	87.6	-5.9	-8.4
June	127.5r	-19.3	-5.8	94.0	-19.1	7.3
July	133.8	-14.6	4.9	91.5	-9.4	-2.7

Table 2 (continued)

Year/Month	NON-METALLIC MINERAL PRODUCTS			GLASS AND GLASS PRODUCTS f/		
	INDEX	Year-on-Year Growth Rates	Month-on-Month Growth Rates	INDEX	Year-on-Year Growth Rates	Month-on-Month Growth Rates
2001	61.2	-13.4		43.4	-14.2	
January	70.6	-19.4	7.1	45.5	-12.6	-0.7
February	62.7	-7.6	-11.1	39.0	-30.8	-14.3
March	68.4	-0.6	9.1	62.7	19.5	60.7
April	56.9	-14.0	-16.9	43.7	-6.6	-30.3
May	58.1	-14.6	2.2	38.7	2.0	-11.3
June	56.8	-25.0	-2.2	40.7	-16.3	5.0
July	54.1	-15.6	-4.8	46.2	-21.3	13.6
August	53.4	-20.5	-1.3	45.9	-9.7	-0.6
September	56.9	-13.2	6.5	42.8	-25.5	-6.6
October	63.2	-20.1	11.0	40.2	-22.2	-6.1
November	61.7	-19.6	-2.4	36.2	-33.1	-9.9
December	71.9	9.0	16.5	39.3	-14.2	8.6
2002						
January	63.8r	-9.6	-11.2	36.6	-19.6	-7.1
February	59.9r	-4.5	-6.1	35.1	-10.1	-4.1
March	68.0	-0.6	13.6	37.5	-40.1	7.1
April	64.9r	14.2	-4.6	41.2	-5.7	9.6
May	66.5r	14.4	2.4	41.8	8.0	1.6
June	62.2r	9.4	-6.5	38.4	-5.5	-8.2
July	60.6	12.1	-2.4	45.1	-2.4	17.3

f/ - Sub-sector of Non-Metallic Mineral Products

Table 2 (continued)

Year/Month	CEMENT f/			MISC NON-METALLIC MINERAL f/		
	INDEX	Year-on-Year Growth Rates	Month-on-Month Growth Rates	INDEX	Year-on-Year Growth Rates	Month-on-Month Growth Rates
2001	89.7	-14.7		26.9	-0.9	
January	107.9	-24.5	1.9	29.2	16.7	34.9
February	86.8	-13.0	-19.5	35.6	44.4	22.0
March	96.4	-4.6	11.0	29.5	7.5	-17.2
April	81.3	-17.2	-15.7	27.0	-0.9	-8.4
May	84.4	-15.1	3.9	27.6	-13.0	2.1
June	80.0	-19.7	-5.3	28.5	-35.3	3.6
July	76.0	-13.7	-4.9	23.8	-13.3	-16.5
August	71.4	-23.9	-6.1	27.5	-13.9	15.6
September	84.1	-7.4	17.9	22.9	-19.3	-17.0
October	95.6	-25.6	13.7	25.4	7.7	11.1
November	95.7	-22.4	0.0	22.7	-0.8	-10.5
December	116.6	10.2	21.9	23.5	8.8	3.6
2002						
January	111.1	3.0	-4.7	21.0r	-28.1	-10.8
February	104.2r	20.0	-6.2	18.7r	-47.6	-11.1
March	117.3r	21.6	12.5	23.1r	-21.7	23.6
April	108.5r	33.5	-7.5	24.1r	-10.9	4.3
May	112.0r	32.6	3.2	23.6r	-14.2	-1.7
June	109.5r	36.9	-2.2	17.7r	-38.1	-25.2
July	106.6	40.2	-2.7	15.2	-36.1	-13.8

f/ - Sub-sector of Non-Metallic Mineral Products

Table 2 (continued)

Year/Month	BASIC METALS			IRON AND STEEL g/		
	INDEX	Year-on-Year Growth Rates	Month-on-Month Growth Rates	INDEX	Year-on-Year Growth Rates	Month-on-Month Growth Rates
2001	64.0	-6.3		32.8	-30.4	
January	51.2	-36.1	-46.4	37.1	-17.6	-16.1
February	59.3	-13.4	15.9	32.7	-34.9	-11.9
March	67.2r	-11.8	13.2	38.5	-29.6	18.0
April	57.3r	-21.7	-14.7	31.0	-30.1	-19.5
May	58.4r	-21.3	1.9	36.5	-33.6	17.7
June	104.3r	59.7	78.6	33.3	-37.9	-8.8
July	66.9r	22.8	-35.9	28.5	-38.4	-14.3
August	63.4r	-0.5	-5.2	33.0	-24.5	15.5
September	66.9r	24.2	5.5	32.7	-19.6	-0.8
October	59.1r	-15.3	-11.6	33.0	-31.3	0.9
November	44.1	-35.1	-25.4	26.9	-36.9	-18.6
December	69.6r	-27.1	57.8	30.9	-30.0	15.1
2002						
January	56.3r	10.0	-19.2	31.5	-15.1	1.8
February	63.6r	7.2	12.9	36.0	10.4	14.5
March	60.3r	-10.3	-5.2	38.8	0.6	7.5
April	75.1r	31.0	24.5	33.3	7.3	-14.1
May	66.8r	14.3	-11.0	40.9	12.1	23.0
June	95.8r	-8.2	43.4	38.3r	14.9	-6.6
July	50.7	-24.3	-47.1	31.7	11.2	-17.1

g/ - Sub-sector of Basic Metals

Table 2 (continued)

Year/Month	NON-FERROUS METALS g/			FABRICATED METAL PRODUCTS		
	INDEX	Year-on-Year Growth Rates	Month-on-Month Growth Rates	INDEX	Year-on-Year Growth Rates	Month-on-Month Growth Rates
2001	104.8	11.7		146.7	13.9	
January	69.5	-44.0	-62.2	166.7	41.6	9.8
February	91.2	3.0	31.2	143.8	20.7	-13.7
March	101.6	1.8	11.4	114.1	-9.1	-20.7
April	91.1	-16.5	-10.4	101.6	-1.5	-11.0
May	84.5	-14.7	-7.2	144.7	9.3	42.4
June	203.1	160.3	140.3	177.9	24.5	23.0
July	120.3	83.8	-40.8	166.9	8.5	-6.2
August	105.8	9.4	-12.0	161.3	17.7	-3.3
September	112.9	49.1	6.7	170.8	32.8	5.9
October	92.1	-15.2	-18.4	129.7	16.7	-24.1
November	65.5	-41.8	-28.9	147.9	16.8	14.0
December	119.7	-35.0	82.8	135.3	-10.9	-8.5
2002						
January	91.3r	31.3	-23.7	156.1	-6.3	15.4
February	102.3r	12.1	12.0	163.2	13.5	4.5
March	89.6r	-11.8	-12.4	170.9	49.8	4.7
April	140.0r	53.7	56.2	171.5r	68.9	0.4
May	107.3r	27.0	-23.3	192.2r	32.8	12.0
June	187.0r	-7.9	74.2	203.6r	14.5	6.0
July	80.0	-33.5	-57.2	188.8	13.1	-7.3

g/ - Sub-sector of Basic Metals

Table 2 (continued)

Year/Month	MACHINERY EXCLUDING ELECTRICAL			ELECTRICAL MACHINERY		
	INDEX	Year-on-Year Growth Rates	Month-on-Month Growth Rates	INDEX	Year-on-Year Growth Rates	Month-on-Month Growth Rates
2001	499.7	35.6		147.0	-28.7	
January	557.7	71.1	22.4	137.4	-24.7	-37.9
February	493.4	53.1	-11.5	149.4	-20.8	8.7
March	525.6	40.8	6.5	179.7	-14.0	20.3
April	446.8	34.2	-15.0	126.6	-5.0	-29.5
May	461.1	46.4	3.2	151.6	-24.3	19.7
June	425.2	37.9	-7.8	151.9	-27.1	0.2
July	452.9	42.7	6.5	125.1	-45.0	-17.6
August	536.8	28.4	18.5	138.9	-38.6	11.0
September	544.2	30.6	1.4	143.2	-41.2	3.0
October	537.7	33.8	-1.2	153.5	-35.5	7.3
November	621.9	22.3	15.7	154.8	-36.0	0.8
December	393.3	-13.7	-36.8	151.3	-31.6	-2.2
2002						
January	388.1r	-30.4	-1.3	198.7r	44.6	31.3
February	383.0r	-22.4	-1.3	229.4r	53.6	15.5
March	318.4r	-39.4	-16.9	244.8r	36.2	6.7
April	388.8r	-13.0	22.1	216.5r	71.0	-11.5
May	371.8r	-19.4	-4.4	232.3r	53.2	7.3
June	344.1r	-19.1	-7.5	232.5	53.1	0.1
July	335.0	-26.0	-2.6	215.2	72.0	-7.4

Table 2 (concluded)

Year/Month	TRANSPORT EQUIPMENT			MISCELLANEOUS MANUFACTURES		
	INDEX	Year-on-Year Growth Rates	Month-on-Month Growth Rates	INDEX	Year-on-Year Growth Rates	Month-on-Month Growth Rates
2001	89.9	-4.1		89.8	1.4	
January	90.3	-5.3	19.4	97.8	15.8	23.9
February	91.8	-3.9	1.7	86.0	-5.5	-12.0
March	86.2	3.9	-6.2	89.5	-6.8	4.1
April	63.6	-31.6	-26.1	86.4	-6.7	-3.6
May	80.1	-21.7	25.9	81.9	-16.2	-5.2
June	85.6	-13.0	6.9	96.2	14.5	17.4
July	100.9	2.5	17.8	98.1	8.2	2.0
August	118.3	6.1	17.3	94.3	1.9	-3.8
September	102.0	1.1	-13.8	89.0	1.3	-5.7
October	95.5	-5.7	-6.4	92.3	-2.6	3.7
November	95.2	26.0	-0.4	86.2	10.9	-6.6
December	69.6	-8.0	-26.9	80.2	1.7	-6.9
2002						
January	85.6r	-5.2	23.0	83.5r	-14.6	4.0
February	90.0r	-2.0	5.1	92.1r	7.1	10.3
March	89.4r	3.7	-0.7	87.3r	-2.5	-5.2
April	92.0r	44.5	2.9	100.4r	16.3	15.1
May	91.3r	14.0	-0.7	103.9r	26.9	3.5
June	96.0r	12.1	5.1	85.8r	-10.8	-17.5
July	106.9	6.0	11.4	88.1	-10.2	2.7

r - revised due to updating of late responding establishments

Source: Monthly Integrated Survey of Selected Industries (MISSI)
Industry Statistics Division
Industry and Trade Statistics Department
National Statistics Office
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