

Indexes of Industrial Production

[Table 1](#) **Industrial Production Indexes and Comparison - By Major Divisions**

[Table 2](#) **Industrial Production Indexes and Comparison - By Sectors**

Table1 Industrial Production Indexes and Comparison - By Major Divisions

2016 =100

Period	Industry	Seasonally Adjusted	Mining & Quarrying	Manu- facturing	By Usage				Electricity & Gas Supply	Water Supply	Movement of Manu- facturing Production Index
					Final Demand Goods	Investment Goods	Consumer Goods	Producer Goods			
2018 Weights (%)	1000.00	1000.00	2.73	925.45	188.90	75.77	113.13	736.55	65.82	6.01	-
2013	93.36	93.36	117.07	92.93	96.10	94.94	96.82	92.10	97.61	101.29	-
2014	99.34	99.34	118.44	99.28	100.32	101.53	99.52	98.99	99.08	101.82	-
2015	98.07	98.07	110.70	98.13	100.04	102.81	98.22	97.61	96.68	99.50	-
2016	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	-
2017	105.00	105.00	98.00	105.27	104.10	105.15	103.41	105.60	102.22	101.30	-
2018	108.83	108.83	94.42	109.41	108.21	113.82	104.64	109.74	102.62	101.39	-
Mar.	115.20	110.33	92.45	116.77	114.08	120.38	110.06	117.51	96.89	103.68	49.40
Apr.	102.74	107.19	89.01	103.33	99.59	106.12	95.43	104.34	95.94	100.47	54.50
May	111.42	109.09	106.13	111.47	115.42	122.39	110.98	110.42	111.46	106.08	50.74
June	107.44	106.96	93.19	107.44	110.38	115.99	106.80	106.65	108.66	101.88	53.00
July	109.26	107.81	95.34	108.86	109.92	113.12	107.87	108.59	115.71	103.97	53.20
Aug.	112.72	108.37	90.50	112.65	112.85	116.15	110.74	112.61	115.34	104.40	49.87
Sep.	111.55	110.34	95.34	111.83	104.49	109.72	101.15	113.82	109.75	100.59	50.21
Oct.	116.95	112.79	102.11	118.21	115.78	121.52	112.12	118.87	102.92	99.88	49.43
Nov.	111.84	109.38	97.07	113.12	115.00	121.66	110.76	112.62	97.44	95.73	49.01
Dec.	110.49	109.13	106.03	111.68	116.51	128.98	108.58	110.38	96.02	103.43	48.15
2019											
Jan.	107.39	106.40	98.23	108.35	116.96	123.65	112.71	106.12	95.82	102.10	37.16
Feb.(r)	86.01	106.01	71.10	86.38	80.89	89.40	75.56	87.82	81.51	91.53	59.33
Mar.(p)	103.82	100.85	91.02	104.48	106.99	115.14	101.83	103.94	96.44	100.98	49.28
Compared with Last Month (%)	20.71	-4.87	28.02	20.95	32.27	28.79	34.77	18.36	18.32	10.32	(-10.05)
Compared with the same Month of last year (%)	-9.88	-8.59	-1.55	-10.52	-6.21	-4.35	-7.48	-11.55	-0.46	-2.60	--
Jan.-Current Month Compared with the Same Period of Last Year (%)	-4.58	-3.56	0.78	-4.80	2.07	5.79	-0.39	-6.50	-1.61	-1.90	--

Table1 Industrial Production Indexes and Comparison - By Major Divisions

Annual Change Rate (%)

Period	Industry	Seasonally Adjusted (Monthly Change)	Mining & Quarrying	Manu- facturing	By Usage				Electricity & Gas Supply	Water Supply	Movement of Manu- facturing Production Index
					Final Demand Goods	Investment Goods	Consumer Goods	Producer Goods			
2013	3.21	3.21	-8.27	3.40	0.02	-0.01	0.04	4.43	1.42	0.71	--
2014	6.41	6.41	1.17	6.83	4.39	6.94	2.79	7.48	1.51	0.52	--
2015	-1.28	-1.28	-6.53	-1.16	-0.28	1.26	-1.31	-1.39	-2.42	-2.28	--
2016	1.97	1.97	-9.67	1.91	-0.04	-2.73	1.81	2.45	3.43	0.50	--
2017	5.00	5.00	-2.00	5.27	4.10	5.15	3.41	5.60	2.22	1.30	--
2018	3.65	3.65	-3.65	3.93	3.95	8.25	1.19	3.92	0.39	0.09	--
Mar.	5.86	2.79	-12.16	6.07	-0.68	6.90	-5.40	8.03	3.29	2.39	(-13.54)
Apr.	8.32	-2.85	-4.83	8.87	-0.38	8.63	-5.96	11.57	2.26	2.86	(5.10)
May	7.36	1.77	-4.89	7.58	7.61	18.76	0.85	7.60	5.81	1.08	(-3.76)
June	0.02	-1.95	0.46	0.29	1.77	2.93	1.06	-0.10	-3.36	1.48	(2.26)
July	4.68	0.79	-3.12	5.32	9.48	6.35	11.83	4.24	-1.45	-0.60	(0.20)
Aug.	1.11	0.52	-9.55	1.58	3.12	4.99	1.92	1.17	-3.76	-0.68	(-3.33)
Sep.	1.66	1.82	-5.14	2.03	-1.51	1.24	-3.28	2.94	-2.41	-0.23	(0.34)
Oct.	8.78	2.22	13.64	9.81	14.67	17.73	12.69	8.57	-3.53	-3.70	(-0.78)
Nov.	2.59	-3.02	1.39	2.74	5.62	8.81	3.57	1.97	0.37	-3.22	(-0.42)
Dec.	-1.06	-0.23	4.22	-1.22	6.66	10.42	4.13	-3.27	0.88	-1.79	(-0.86)
2019											
Jan.	-1.09	-2.50	1.46	-1.08	9.06	12.76	6.65	-3.66	-1.29	-1.73	(-10.99)
Feb.(r)	-1.96	-0.37	2.94	-1.86	4.62	11.50	0.08	-3.41	-3.30	-1.28	(22.17)
Mar.(p)	-9.88	-4.87	-1.55	-10.52	-6.21	-4.35	-7.48	-11.55	-0.46	-2.60	(-10.05)

Note: 1. Movement of manufacturing production index = (The ratio of firms that expect increasing next month + The ratio of firms that expect unbiased next month × 0.5) × 100

2. () is the monthly percentage point change of movement of manufacturing production index.

Table2 Industrial Production Indexes and Comparison - By Sectors(1/3)

2016 =100

Period	C Manu- facturing	08 Food & Prepared Animal Feeds	09 Beverages	10 Tobacco Products	11 Textiles	12 Wearing Apparel & Clothing Accessories	13 Leather, Fur & Related Products	14 Wood & Bamboo Products	15 Pulp, Paper & Paper Products	16 Printing & Reproduction of Recorded Media
2018 Weights (%)	925.45	23.98	8.97	15.91	14.45	1.06	0.49	0.82	8.84	4.80
2013	92.93	95.20	101.49	82.11	101.88	115.84	160.19	96.30	98.32	106.00
2014	99.28	95.47	102.60	81.37	103.59	114.11	159.60	103.61	100.83	104.16
2015	98.13	96.36	101.57	81.04	104.74	105.97	122.11	100.88	98.91	101.74
2016	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
2017	105.27	100.57	102.81	119.06	97.84	89.27	103.83	103.34	100.22	96.97
2018	109.41	102.15	99.27	116.03	94.79	81.29	97.44	107.43	101.32	95.28
Mar.	116.77	101.98	109.63	122.33	105.86	78.02	112.50	112.12	112.02	97.51
Apr.	103.33	91.01	80.58	106.55	96.40	79.80	103.86	104.18	97.07	90.63
May	111.47	102.83	112.44	129.65	100.69	87.96	106.90	114.95	103.25	95.89
June	107.44	100.84	110.04	131.24	92.27	79.52	95.35	110.80	100.39	88.64
July	108.86	108.44	106.78	118.58	94.35	79.91	98.85	113.62	103.22	96.82
Aug.	112.65	109.63	116.31	123.39	100.24	94.73	100.62	117.01	105.18	94.62
Sep.	111.83	97.03	98.77	113.12	90.12	68.56	93.52	104.01	95.83	89.07
Oct.	118.21	103.89	106.79	124.54	96.69	86.00	98.30	113.58	105.30	110.55
Nov.	113.12	103.19	102.97	134.01	93.86	77.76	86.56	109.77	102.98	110.25
Dec.	111.68	109.11	87.72	133.79	89.26	84.85	99.05	105.29	101.72	105.44
2019										
Jan.	108.35	121.92	103.16	111.31	100.61	78.03	112.72	111.52	110.45	90.53
Feb.(r)	86.38	79.64	64.74	86.98	72.29	57.72	70.49	70.59	78.62	58.65
Mar.(p)	104.48	102.61	83.91	111.89	95.96	66.16	109.15	86.55	101.41	85.41
Compared with Last Month (%)	20.95	28.84	29.61	28.64	32.74	14.62	54.84	22.61	28.99	45.63
Compared with the same Month of last year (%)	-10.52	0.62	-23.46	-8.53	-9.35	-15.20	-2.98	-22.81	-9.47	-12.41
Jan.-Current Month Compared with the Same Period of Last Year (%)	-4.80	1.44	-6.34	11.79	-5.18	-14.59	2.14	-9.21	-3.46	-10.25

Table2 Industrial Production Indexes and Comparison - By Sectors(1/3)

Annual Change Rate (%)

Period	C Manu- facturing	08 Food & Prepared Animal Feeds	09 Beverages	10 Tobacco Products	11 Textiles	12 Wearing Apparel & Clothing Accessories	13 Leather, Fur & Related Products	14 Wood & Bamboo Products	15 Pulp, Paper & Paper Products	16 Printing & Reproduction of Recorded Media
2013	3.40	1.33	-5.49	-0.63	3.39	0.05	-2.79	1.67	0.75	-2.02
2014	6.83	0.28	1.09	-0.90	1.68	-1.49	-0.37	7.59	2.55	-1.74
2015	-1.16	0.93	-1.00	-0.41	1.11	-7.13	-23.49	-2.63	-1.90	-2.32
2016	1.91	3.78	-1.55	23.40	-4.53	-5.63	-18.11	-0.87	1.10	-1.71
2017	5.27	0.57	2.81	19.06	-2.16	-10.73	3.83	3.34	0.22	-3.03
2018	3.93	1.57	-3.44	-2.54	-3.12	-8.94	-6.15	3.96	1.10	-1.74
Mar.	6.07	-4.09	6.42	-31.06	-6.52	-12.82	-18.89	5.29	0.51	-6.41
Apr.	8.87	-1.95	-8.03	-35.51	-0.98	1.89	-3.56	1.60	2.35	-3.09
May	7.58	0.19	8.33	-33.97	0.82	-2.59	0.54	12.10	5.65	3.17
June	0.29	-0.17	-1.50	32.55	-6.18	-15.23	-14.77	-2.09	-0.59	-6.35
July	5.32	5.70	1.56	177.57	-1.55	-18.02	-0.20	9.65	4.82	-2.32
Aug.	1.58	-0.49	-15.29	41.23	-2.57	-4.55	-4.32	6.71	1.19	-6.34
Sep.	2.03	-3.72	-18.54	11.27	-7.32	-22.84	-6.94	0.65	-6.42	-5.23
Oct.	9.81	7.60	13.90	39.10	-0.52	-3.75	3.65	9.72	6.25	8.21
Nov.	2.74	2.07	9.54	23.07	-3.86	-16.69	-10.61	-3.17	-0.91	0.92
Dec.	-1.22	7.33	-10.59	26.83	-8.39	-9.38	10.17	-2.37	-1.47	3.04
2019										
Jan.	-1.08	8.74	7.28	21.57	-1.70	-14.43	6.61	3.51	1.39	-6.50
Feb.(r)	-1.86	-7.11	2.63	36.83	-4.05	-14.11	3.66	-7.16	-1.65	-12.54
Mar.(p)	-10.52	0.62	-23.46	-8.53	-9.35	-15.20	-2.98	-22.81	-9.47	-12.41

Table2 Industrial Production Indexes and Comparison - By Sectors(2/3)

2016 =100

Period	17 Petroleum & Coal Products	18 Chemical, Fertilizers, Nitrogen Compounds, Plastic & Rubber, Man-made Fibres	19 Other Chemical Products	20 Pharmaceuticals & Medicinal Chemical Products	21 Rubber Products	22 Plastic Products	23 Other Non-metallic Mineral Products	24 Basic Metal	25 Fabricated Metal Products	26 Electronic Parts & Components
2018 Weights (%)	53.45	77.14	15.45	7.32	7.13	15.15	10.20	56.01	40.98	405.36
2013	98.73	100.13	94.89	96.14	102.29	100.14	109.97	99.19	101.49	86.89
2014	98.77	100.41	99.65	92.03	106.97	105.15	112.12	102.75	105.99	96.75
2015	98.99	99.80	101.52	95.51	106.41	101.96	108.57	96.01	101.40	95.55
2016	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
2017	95.20	102.67	107.98	99.12	102.79	101.95	97.49	102.73	100.03	108.20
2018	97.95	104.56	110.94	102.40	99.38	104.01	100.52	105.08	100.43	113.97
Mar.	92.82	109.83	120.87	112.98	115.48	112.50	101.44	111.04	110.42	124.04
Apr.	85.16	104.88	107.58	90.16	94.76	100.30	99.71	103.58	96.65	107.71
May	98.81	107.00	117.98	105.83	109.38	109.32	105.77	111.33	106.92	111.41
June	96.67	102.20	110.66	100.08	102.89	105.87	98.22	103.83	100.10	108.68
July	106.05	105.24	111.50	108.00	100.42	109.07	100.74	107.91	103.06	108.66
Aug.	105.91	107.76	114.89	106.44	102.51	110.17	100.91	110.12	105.06	114.56
Sep.	99.56	100.87	104.03	100.98	92.90	98.74	96.18	104.73	94.79	123.21
Oct.	96.32	105.58	118.93	109.24	99.96	106.92	107.45	108.32	103.44	128.06
Nov.	101.31	104.30	113.32	102.88	98.32	104.42	105.49	103.57	101.50	118.75
Dec.	92.86	102.32	108.58	110.13	95.25	102.02	106.16	103.76	99.50	117.66
2019										
Jan.	98.20	105.45	119.24	117.51	108.43	110.93	107.74	102.85	105.28	105.11
Feb.(r)	98.30	91.40	81.45	81.22	76.72	73.66	73.61	90.06	74.55	88.41
Mar.(p)	88.15	104.46	108.31	97.61	108.24	101.79	99.72	105.46	98.80	105.53
Compared with Last Month (%)	-10.33	14.29	32.98	20.18	41.08	38.19	35.47	17.10	32.53	19.36
Compared with the same Month of last year (%)	-5.03	-4.89	-10.39	-13.60	-6.27	-9.52	-1.70	-5.03	-10.52	-14.92
Jan.-Current Month Compared with the Same Period of Last Year (%)	-2.75	-4.22	-4.59	0.45	-0.93	-4.96	-1.59	-1.80	-5.26	-9.08

Table2 Industrial Production Indexes and Comparison - By Sectors(2/3)

Annual Change Rate (%)

Period	17 Petroleum & Coal Products	18 Chemical, Fertilizers, Nitrogen Compounds, Plastic & Rubber, Man-made Fibres	19 Other Chemical Products	20 Pharmaceuticals & Medicinal Chemical Products	21 Rubber Products	22 Plastic Products	23 Other Non-metallic Mineral Products	24 Basic Metal	25 Fabricated Metal Products	26 Electronic Parts & Components
2013	1.38	1.24	8.24	3.08	-1.92	0.17	5.19	4.02	2.01	7.19
2014	0.04	0.28	5.02	-4.28	4.58	5.00	1.96	3.59	4.43	11.35
2015	0.22	-0.61	1.88	3.78	-0.52	-3.03	-3.17	-6.56	-4.33	-1.24
2016	1.02	0.20	-1.50	4.70	-6.02	-1.92	-7.89	4.16	-1.38	4.66
2017	-4.80	2.67	7.98	-0.88	2.79	1.95	-2.51	2.73	0.03	8.20
2018	2.89	1.84	2.74	3.31	-3.32	2.02	3.11	2.29	0.40	5.33
Mar.	-6.37	9.70	4.12	7.27	-0.53	-0.23	0.67	-0.08	2.93	12.79
Apr.	4.73	6.26	7.30	-0.39	-6.20	4.25	5.02	-0.59	-0.13	17.37
May	1.99	0.82	9.75	9.27	2.72	5.97	3.48	3.28	7.59	9.14
June	-5.96	-2.81	0.98	-6.01	-7.30	-2.90	3.19	6.36	-4.68	0.49
July	3.28	-2.62	5.05	4.86	-4.09	6.52	0.32	4.73	3.28	4.10
Aug.	-2.64	3.06	-4.45	-4.85	-6.03	-0.18	2.82	3.84	-3.68	1.37
Sep.	2.23	5.12	-8.04	0.74	-9.59	-6.32	-4.36	3.66	-7.32	6.01
Oct.	17.51	-0.39	6.50	20.83	3.12	6.66	8.90	12.09	6.37	10.08
Nov.	23.11	-0.46	-2.07	3.75	-6.31	1.75	8.51	0.83	-1.85	2.69
Dec.	-3.15	-2.90	-1.99	5.11	-9.04	-0.49	-0.82	-2.26	-3.27	-2.51
2019										
Jan.	-7.47	-2.78	-0.23	9.83	2.83	1.18	0.64	-2.80	-1.70	-5.02
Feb.(r)	4.86	-5.11	-2.41	8.22	1.97	-6.98	-4.53	3.53	-2.69	-6.13
Mar.(p)	-5.03	-4.89	-10.39	-13.60	-6.27	-9.52	-1.70	-5.03	-10.52	-14.92

Table2 Industrial Production Indexes and Comparison - By Sectors(3/3)

2016 =100

Period	2611		27 Computers, Electronic & Optical Products	28 Electrical Equipment	29 Machinery & Equipment	30 Motor Vehicles & Parts	31 Other Transport Equipment & Parts	32 Furniture	33 Other Manufacturing	34 Repair & Installation of Industrial Mach. & Eq.
	Integrated Circuits	2641 Liquid Crystal Panel & Components								
2018 Weights (%)	234.00	56.89	44.52	16.61	41.02	20.38	13.33	2.01	12.98	7.10
2013	68.83	126.71	92.12	91.65	99.03	95.01	98.26	93.79	82.87	72.93
2014	84.00	124.79	101.83	96.33	107.52	107.16	105.76	98.34	91.06	78.43
2015	88.09	110.72	104.13	98.19	106.11	103.91	105.76	100.28	94.56	86.83
2016	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
2017	109.36	117.69	104.49	97.94	110.86	100.38	105.72	99.96	112.04	116.28
2018	119.00	113.52	116.50	100.47	119.98	94.60	107.30	100.24	126.64	129.13
Mar.	137.78	111.74	111.54	112.21	128.15	108.48	115.32	98.98	132.41	144.05
Apr.	111.37	107.94	104.79	97.52	114.31	91.07	95.77	88.77	115.28	110.11
May	113.72	110.66	119.97	106.53	131.61	108.81	111.62	103.63	134.50	134.63
June	108.73	114.92	113.68	98.06	130.33	98.76	115.86	100.46	117.20	143.57
July	104.10	122.04	116.82	102.73	123.91	104.13	110.94	97.06	123.15	127.77
Aug.	114.23	121.73	127.42	106.21	125.44	86.25	110.99	110.09	137.16	127.10
Sep.	133.22	118.42	122.31	93.52	114.30	85.71	105.91	100.87	125.17	126.86
Oct.	139.06	118.06	138.76	104.83	124.37	96.17	107.15	106.97	141.33	127.01
Nov.	127.00	115.22	130.44	103.90	122.09	93.12	110.69	108.73	140.25	121.61
Dec.	129.68	108.94	131.54	104.49	121.27	87.46	105.11	110.46	137.92	144.37
2019										
Jan.	106.97	104.33	136.09	103.84	113.26	99.78	118.37	110.90	146.21	128.73
Feb.(r)	92.15	87.84	98.86	72.39	80.16	64.76	78.48	66.19	91.63	96.51
Mar.(p)	108.44	103.86	127.01	98.32	105.21	92.65	108.07	95.18	127.60	126.97
Compared with Last Month (%)	17.68	18.24	28.47	35.82	31.25	43.07	37.70	43.80	39.26	31.56
Compared with the same Month of last year (%)	-21.29	-7.05	13.87	-12.38	-17.90	-14.59	-6.29	-3.84	-3.63	-11.86
Jan.-Current Month Compared with the Same Period of Last Year (%)	-11.35	-8.70	23.83	-4.63	-10.07	-9.35	-2.76	-1.27	5.10	-8.88

Table2 Industrial Production Indexes and Comparison - By Sectors(3/3)

Annual Change Rate (%)

Period	2611		27 Computers, Electronic & Optical Products	28 Electrical Equipment	29 Machinery & Equipment	30 Motor Vehicles & Parts	31 Other Transport Equipment & Parts	32 Furniture	33 Other Manufacturing	34 Repair & Installation of Industrial Mach. & Eq.
	Integrated Circuits	2641 Liquid Crystal Panel & Components								
2013	18.51	-2.23	0.82	-0.81	-4.17	-3.68	2.66	-2.44	5.69	-4.55
2014	22.04	-1.52	10.54	5.11	8.57	12.79	7.63	4.85	9.88	7.54
2015	4.87	-11.27	2.26	1.93	-1.31	-3.03	0.00	1.97	3.84	10.71
2016	13.52	-9.68	-3.97	1.84	-5.76	-3.76	-5.45	-0.28	5.75	15.17
2017	9.36	17.69	4.49	-2.06	10.86	0.38	5.72	-0.04	12.04	16.28
2018	8.81	-3.54	11.49	2.58	8.23	-5.76	1.49	0.28	13.03	11.05
Mar.	23.43	-7.12	0.21	3.18	11.69	-4.36	7.83	-9.54	10.96	10.22
Apr.	32.19	-1.51	14.59	5.86	11.85	-6.67	2.55	-1.62	10.20	0.10
May	14.80	-6.05	24.23	10.59	17.23	8.57	10.19	8.37	25.50	19.76
June	-0.20	-5.43	3.48	-6.65	10.08	-8.83	0.39	-4.01	1.87	8.72
July	2.72	2.19	13.82	5.82	12.48	3.18	-5.04	-0.05	10.43	10.22
Aug.	0.68	-3.47	11.18	-2.01	7.61	-10.28	-3.27	3.04	11.80	10.07
Sep.	10.97	-1.41	7.50	-1.44	-2.10	-10.71	-7.95	-1.33	5.94	6.60
Oct.	14.61	2.92	24.85	13.06	11.63	-0.79	0.29	16.17	27.24	10.64
Nov.	5.46	-1.64	13.97	-1.21	-0.43	-15.47	-0.82	-2.62	14.79	2.37
Dec.	-0.17	-7.09	17.83	1.54	-3.48	-15.76	-4.55	-0.91	15.64	12.79
2019										
Jan.	-3.92	-10.97	32.16	-1.97	-2.13	-8.21	0.00	4.35	18.61	-10.78
Feb.(r)	-5.78	-7.85	27.12	3.80	-9.12	-2.66	-1.75	-6.15	-0.43	-1.70
Mar.(p)	-21.29	-7.05	13.87	-12.38	-17.90	-14.59	-6.29	-3.84	-3.63	-11.86