

## Summary of Industrial Production in February 2019

Industrial production in February 2019 contracted, whereby the manufacturing production index dropped by 1.6 percent compared to the same month last year, a result of the contraction of key industries such as the iron and steel manufacturing industry, the computer manufacturing industry and the production of other types of rubber products. The capacity utilization rate in February 2019 was 69.0 percent.

### The Manufacturing Production Index in Major Industries

The MPI in February 2019 decreased by 1.6 percent compared to the same month last year. Key manufacturing industries such as the iron and steel manufacturing industry, the computer manufacturing industry and the production of other types of rubber products.



The MPI in the iron and steel manufacturing industry contracted by 14.4 percent compared to the same month of the previous year. The contraction came mainly from a decrease in hot-rolled steel sheets, cold-rolled steel sheets and tinplated steel sheets, due to the maintenance of machinery in some factories.

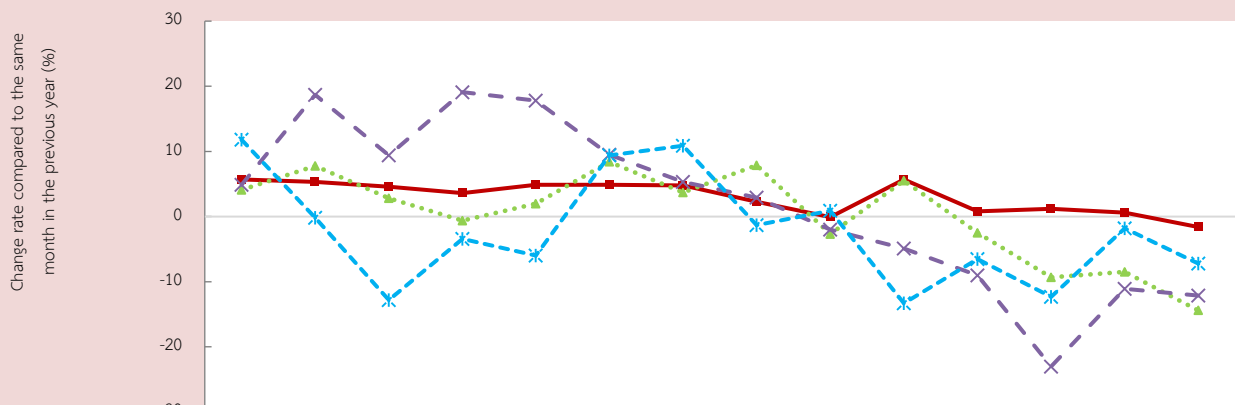


The MPI in the computer manufacturing industry contracted by 12.1 percent compared to the same month of the previous year, from a drop in the hard disk drive segment as a result of changes in storage technology and HDD production to increase capacity, resulting in reduced production volume.



The MPI in the other rubber products manufacturing industry contracted by 7.2 percent compared to the same month of the previous year, mainly from a drop in rubber sheets as rubber plantations face hot and dry weather causing latex supply to drop into the market.

MPI of Key Industrial Products with Growth in February 2019



	2018												2019	
	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.
—■— MPI	5.7	5.3	4.6	3.6	4.9	4.9	4.8	2.3	-0.1	5.7	0.8	1.2	0.6	-1.6
...▲... Iron & Steel	4.1	7.8	2.8	-0.6	2.0	8.4	3.7	7.9	-2.7	5.5	-2.5	-9.3	-8.5	-14.4
-x- Computer	4.9	18.7	9.4	19.1	17.8	9.5	5.3	2.9	-2.0	-4.9	-9.0	-23.0	-11.1	-12.1
-*-- Other rubber products	11.8	-0.2	-12.8	-3.4	-6.0	9.4	10.9	-1.3	0.9	-13.3	-6.5	-12.3	-1.8	-7.2

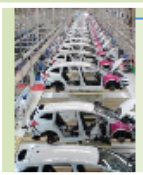
Key manufacturing industries such as sugar, plastics and synthetic rubber in primary form, and automobile were the sectors that grew.



The MPI of the sugar production industry grew by 4.9 percent compared to the same month of the previous year, from raw sugar and molasses as some sugar factories expanded production capacity.



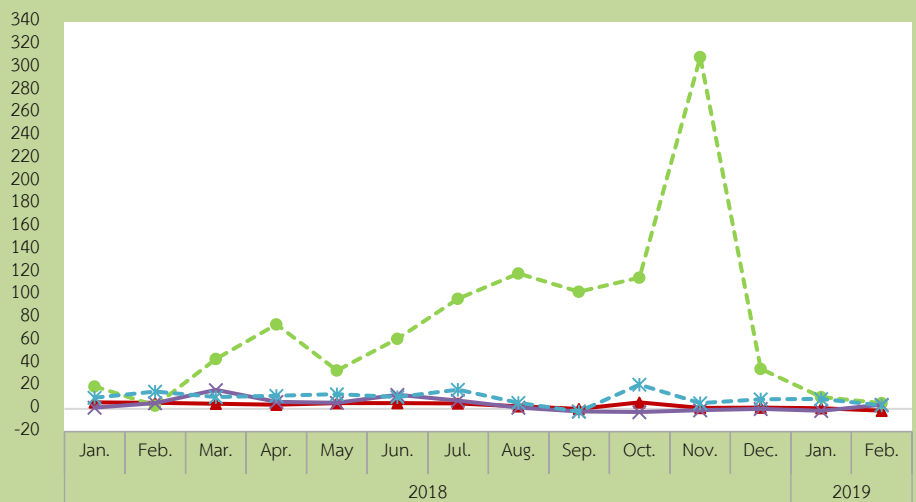
The MPI of the plastics and upstream synthetic rubber production industry grew by 3.5 percent compared to the same month of the previous year, mainly from growth in polyethylene products, as some manufacturers accelerated production and increased production capacity since last year.



The MPI of the automotive manufacturing industry grew by 3.1 percent compared to the same month of the previous year mainly from the expansion in 1-ton pickup trucks, a result of growth in both domestic and foreign markets.

MPI of Key Industrial Products with Growth in February 2019

Change rate compared to the same month in the previous year (%)



—▲— MPI	5.7	5.3	4.6	3.6	4.9	4.9	4.8	2.3	-0.1	5.7	0.8	1.2	0.6	-1.6
- -●- - Sugar	19.8	2.9	43.9	74.2	33.8	61.6	96.7	119.1	103.1	115.3	309.3	35.3	10.4	4.9
- -×- - Plastics and synthetic rubber in primary form	1.2	4.9	16.7	6.2	5.3	12.4	7.4	1.1	-2.4	-2.8	-1.2	0.1	-1.8	3.5
- -* - - Automobile	9.7	15.2	10.4	11.5	13.0	10.5	17.0	5.2	-2.4	21.3	5.1	8.3	8.7	3.1

Capacity Utilization Rate in February 2019 was 69.0 percent.

69.0

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