

## Summary of Industrial Production in November 2017

The Manufacturing Production Index (MPI) in November 2017 increased 4.2 percent from the same period last year, resulting from the growth of key manufacturing industries such as rubber products, hard disk drives (HDD), and automobile equipment and components. Capacity Utilization Rate in November 2017 was 64.2 percent.

### The Manufacturing Production Index in Major Industries

The MPI in November 2017 grew 4.2 percent compared to the same month last year. The growth of key manufacturing industries were rubber products, Hard Disk Drives (HDD) and automobile equipment and components.



The MPI of the rubber products production industry grew 23.0 percent compared to the same month last year as a result of an increase in new export markets, particularly for rubber sheets and blocks. In addition, the decrease of rubber stock made China need a higher demand for imported products.

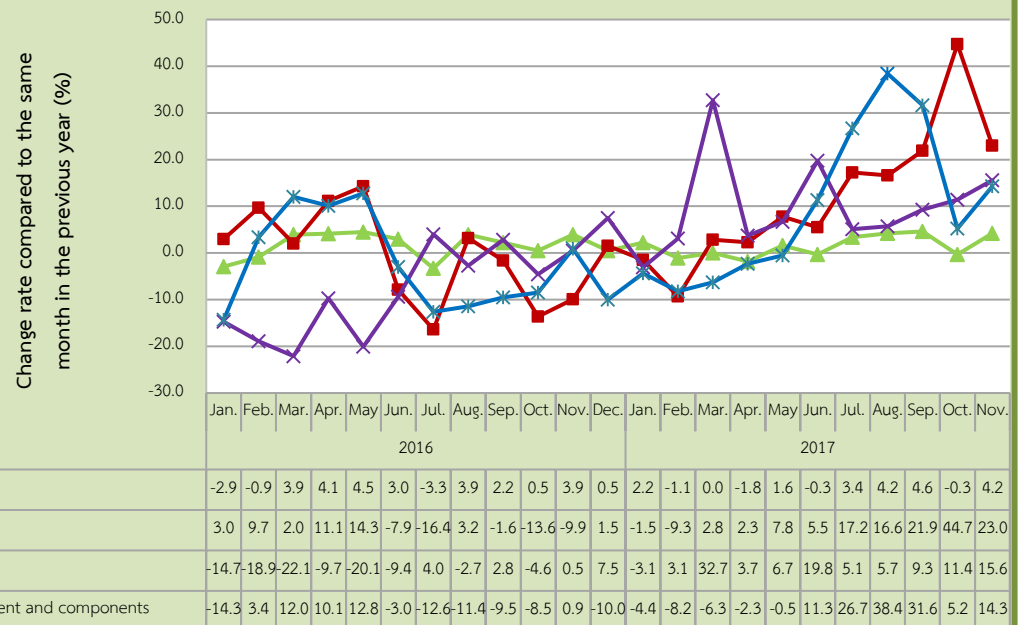


The MPI of the Hard Disk Drive (HDD) production industry grew 15.6 percent compared to the same month last year as a result of demand to use HDD's in data storage such as big data management.



The MPI of the automobile equipment and components production industry grew 14.3 percent compared to the same month last year as a result of increased demand of new vehicle models leading to the higher equipment and components production for new automobile models.

### MPI of Key Industrial Products with Growth in November 2017



On the other hand, the MPI of the upstream textile, iron and air conditioner production industries shrank in November 2017.



The MPI of the upstream textile production industry shrank 20.5 percent compared to the same month last year as a result from decreased domestic and international demand. The domestic market faced difficulties in imports for sale whereas international markets such as Vietnam boosted investments in the upstream textile industry to reduce imports.

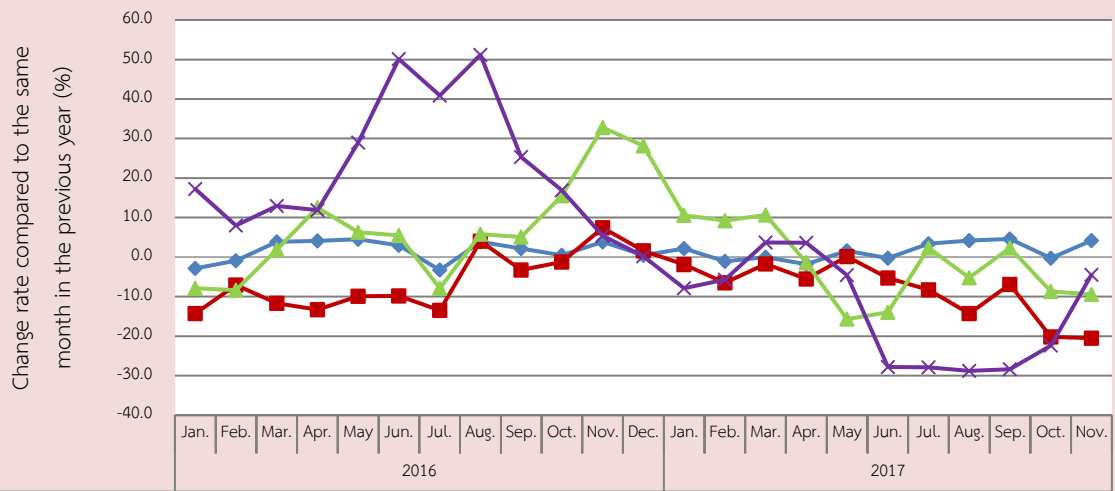


The MPI of the iron production industry shrank 9.4 percent compared to the same month last year which is in line with the decrease of domestic sales and a decline of exports to key markets such as ASEAN and China.



The MPI of the air conditioner production industry shrank 4.5 percent compared to the same month last year resulting from a decrease in domestic sales. Further more, the export of air conditioner industry to key markets such as ASEAN also decreased.

### MPI of Key Industrial Products with Contraction in November 2017



	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.
	2016												2017										
◆ MPI	-2.9	-0.9	3.9	4.1	4.5	3.0	-3.3	3.9	2.2	0.5	3.9	0.5	2.2	-1.1	0.0	-1.8	1.6	-0.3	3.4	4.2	4.6	-0.3	4.2
■ Upstream Textiles	-14.3	-7.1	-11.7	-13.3	-9.9	-9.8	-13.5	4.0	-3.3	-1.2	7.4	1.6	-1.9	-6.5	-1.7	-5.5	0.1	-5.3	-8.3	-14.3	-6.9	-20.2	-20.5
▲ Iron	-7.9	-8.4	1.9	12.5	6.3	5.5	-7.9	5.8	5.1	15.5	32.8	28.2	10.6	9.2	10.7	-1.4	-15.7	-14.0	2.3	-5.2	2.3	-8.7	-9.4
✕ Air-conditioners	17.2	8.0	12.9	11.9	29.0	50.1	40.9	51.2	25.3	16.9	5.4	0.2	-7.9	-5.7	3.7	3.6	-4.6	-27.8	-27.9	-28.8	-28.4	-22.4	-4.5

Capacity Utilization Rate in November 2017

was at 64.2 percent.

64.2