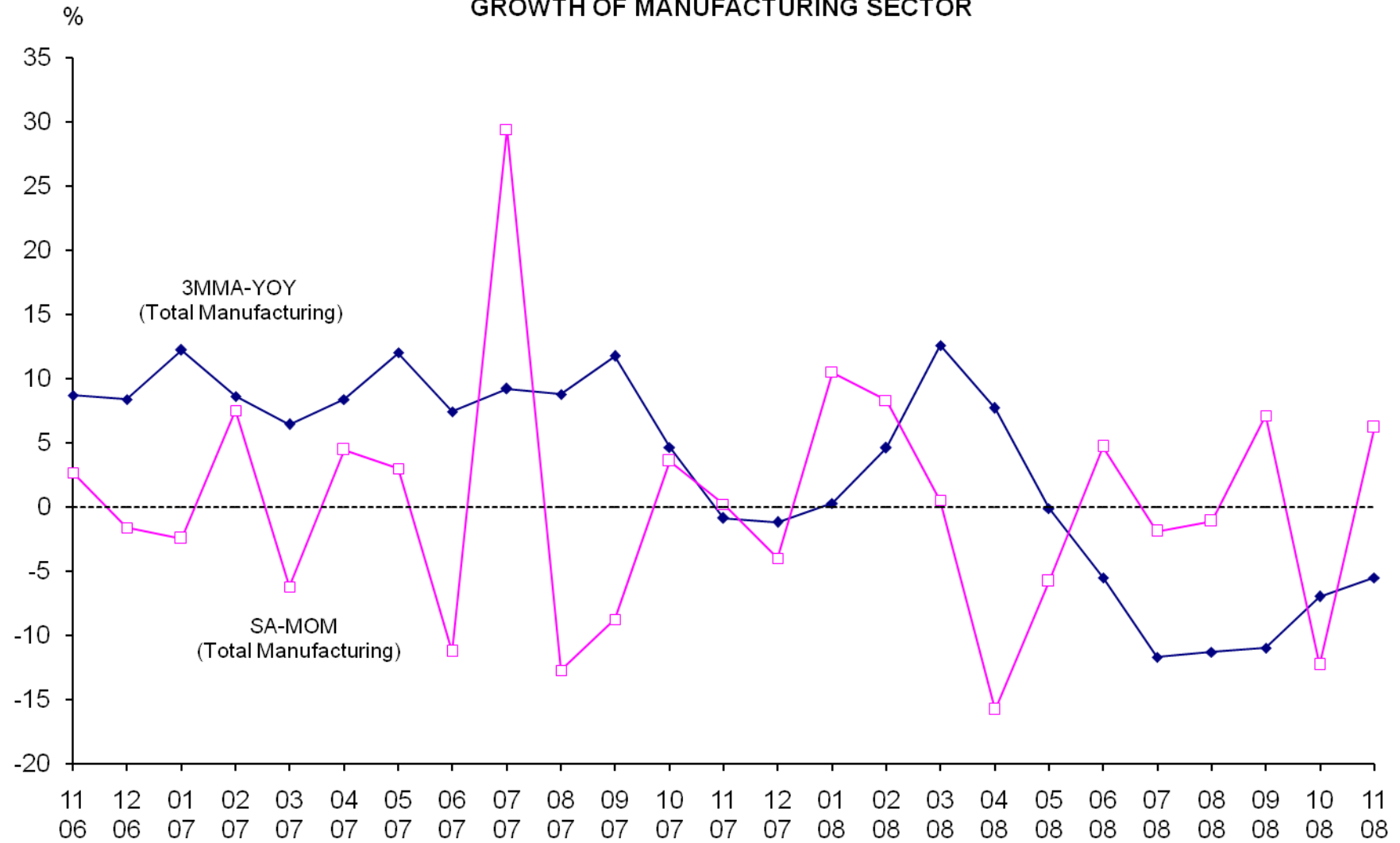


## GROWTH OF MANUFACTURING SECTOR



Note :  
 3MMA YOY - 3-month moving average year-on-year  
 SA MOM - Seasonally adjusted month-on-month

**TABLE 1: PERFORMANCE BY CLUSTERS**

Industry Cluster	2007 Value Added Share (%)	% change over corresponding period of previous year				% change of 3-month moving average over corresponding period of previous year		
		Sep 08	Oct 08	Nov 08*	Cum Jan - Nov 08	Sep 08	Oct 08	Nov 08*
<b>Electronics</b>	29.7	-14.7	-13.3	-19.4	-3.7	-5.4	-11.4	-15.8
Semiconductors	17.6	-5.4	-8.9	-17.6	0.2	4.4	-2.9	-10.4
Computer Peripherals	3.9	10.2	-1.9	-5.4	5.4	7.1	2.8	0.7
Data Storage	2.8	-8.9	-9.5	-7.3	5.0	-0.4	-4.2	-8.6
Infocomms & Consumer Electronics	3.6	-66.6	-55.0	-58.2	-41.3	-57.8	-61.9	-61.1
Other Electronic Modules & Components	1.7	10.5	4.0	-7.5	6.8	7.6	6.0	2.2
<b>Biomedical Manufacturing</b>	24.4	43.4	-29.7	14.9	-9.2	-35.8	-12.9	-5.5
Pharmaceuticals	21.8	50.2	-30.9	17.5	-9.6	-37.4	-12.8	7.5
Medical Technology	2.6	-11.0	-16.6	-15.4	-3.4	-11.5	-12.9	-14.4
<b>Chemicals</b>	11.8	2.9	-7.1	-20.1	-1.8	0.1	-3.4	-8.2
Petroleum	4.1	-2.2	-3.2	-6.2	1.8	1.9	-3.0	-3.9
Petrochemicals	3.6	5.3	-8.9	-31.6	-5.7	-6.7	-6.4	-12.3
Specialties	3.0	7.7	-9.2	-27.9	1.8	4.3	0.0	-9.9
Others	1.1	5.7	-14.0	-21.6	-14.7	3.5	-5.2	-10.3

**TABLE 1: PERFORMANCE BY CLUSTERS (Continued)**

Industry Cluster	2007 Value Added Share (%)	% change over corresponding period of previous year				% change of 3-month moving average over corresponding period of previous year		
		Sep 08	Oct 08	Nov 08*	Cum Jan - Nov 08	Sep 08	Oct 08	Nov 08*
<b>Precision Engineering</b>	13.0	-3.4	-12.1	-19.1	-6.1	-7.1	-8.5	-11.4
Machinery & Systems	5.7	-4.6	-12.8	-17.3	-3.5	-8.9	-8.9	-11.3
Precision Modules & Components	7.3	-2.3	-11.6	-20.7	-8.3	-5.6	-8.2	-11.5
<b>Transport Engineering</b>	11.9	11.8	11.7	5.2	6.9	5.8	7.6	9.5
Marine & Offshore Engineering	6.2	21.8	16.4	3.4	10.5	6.5	8.8	13.3
Aerospace	4.9	-0.6	11.3	8.3	2.7	3.5	7.8	6.1
Land	0.8	23.8	-14.5	0.0	8.0	15.8	-2.4	1.1
<b>General Manufacturing Industries</b>	9.2	3.9	2.8	-1.7	2.1	2.8	2.3	1.6
Printing	2.5	-6.4	-5.7	-13.4	-2.7	-2.8	-5.4	-8.6
Food, Beverages & Tobacco	2.4	5.1	7.7	6.7	6.8	4.8	5.1	6.5
Miscellaneous Industries	4.3	8.7	4.8	0.8	2.4	4.7	4.9	4.8
<b>Total Manufacturing</b>	100.0	3.2	-12.1	-7.5	-3.3	-11.0	-7.0	-5.5

\* Preliminary

TABLE 2: MONTHLY INDEX OF INDUSTRIAL PRODUCTION BY INDUSTRY CLUSTER, NOVEMBER 2006 TO NOVEMBER 2008

Period	Electronics						Biomedical Manufacturing			Chemicals					
	Total	Semi-conductors	Computer Peripherals	Data Storage	Infocomms & Consumer Electronics	Other Electronic Modules & Components	Total	Pharmaceuticals	Medical Technology	Total	Petroleum	Petrochemicals	Specialties	Others	
2007 = 100															
2006	Nov	97.9	85.8	137.5	99.2	111.8	94.7	138.8	141.3	120.5	99.3	102.3	97.7	94.8	104.9
	Dec	107.0	93.3	130.9	104.1	142.6	96.9	116.2	118.3	101.4	99.2	106.7	98.6	90.6	102.0
2007	Jan	95.9	94.1	102.1	92.8	98.6	94.9	78.7	79.2	72.8	101.1	100.5	100.9	100.7	105.3
	Feb	83.9	81.9	91.4	91.0	76.3	84.3	94.8	95.9	82.4	92.0	92.3	93.8	87.6	97.1
	Mar	102.1	96.9	116.2	99.6	105.9	110.7	83.3	81.8	103.3	107.1	105.1	104.3	108.7	121.6
	Apr	96.4	102.8	101.7	90.3	73.8	87.2	96.8	97.3	89.9	102.8	102.3	101.6	99.5	119.9
	May	85.1	86.8	87.5	83.2	72.8	95.4	118.8	120.0	103.8	101.3	93.8	106.3	103.8	112.0
	Jun	97.9	103.5	90.9	86.5	90.8	104.5	82.2	79.2	120.0	99.6	98.6	97.0	101.3	108.6
	Jul	95.5	102.6	85.5	97.1	75.0	95.6	185.1	191.7	101.9	95.4	89.5	99.4	102.9	86.4
	Aug	102.6	98.3	98.3	105.3	122.1	101.7	107.1	107.9	96.3	100.7	105.1	98.3	100.0	90.1
	Sep	118.0	111.1	100.9	121.8	166.2	104.6	72.0	69.1	108.3	96.5	100.5	93.4	98.0	85.3
	Oct	107.5	112.1	95.1	106.8	104.8	102.6	103.3	102.1	117.8	101.5	106.1	98.2	101.1	93.7
	Nov	104.4	102.6	112.0	102.6	103.3	106.4	97.1	96.5	105.8	100.9	102.7	102.6	99.9	89.6
	Dec	111.4	107.1	118.4	123.1	110.2	112.3	80.5	79.2	97.5	100.9	103.7	103.7	96.5	90.6
2008	Jan	101.1	99.5	126.0	110.7	70.2	108.3	101.6	101.8	98.6	104.3	102.8	103.4	111.0	94.7
	Feb	94.9	103.0	93.4	95.8	62.2	96.8	115.1	116.6	96.0	96.7	98.5	94.3	102.0	80.8
	Mar	97.9	90.4	116.1	118.9	82.2	119.7	168.1	173.9	95.5	104.0	104.5	103.3	109.4	88.5
	Apr	92.0	97.3	95.3	103.4	54.2	97.1	74.5	71.8	109.2	102.4	101.8	102.4	107.4	90.4
	May	86.9	88.8	95.4	95.0	55.4	100.0	53.0	49.7	94.4	103.7	107.5	103.0	106.0	81.0
	Jun	99.2	103.7	109.9	92.0	71.5	110.1	86.6	84.5	112.5	100.8	101.2	95.8	110.1	89.7
	Jul	101.5	115.7	95.7	99.6	50.4	104.3	60.5	58.2	88.8	98.6	101.0	89.6	106.5	96.3
	Aug	97.0	105.0	98.1	112.2	47.3	105.1	70.1	68.8	85.9	94.9	101.5	83.6	101.9	84.4
	Sep	100.6	105.1	111.1	111.0	55.5	115.6	103.2	103.8	96.4	99.4	98.3	98.4	105.5	90.1
	Oct	93.2	102.1	93.3	96.6	47.2	106.6	72.6	70.6	98.3	94.3	102.7	89.4	91.7	80.6
	Nov *	84.1	84.6	105.9	95.1	43.1	98.3	111.6	113.4	89.4	80.6	96.3	70.2	72.0	70.2

TABLE 2: MONTHLY INDEX OF INDUSTRIAL PRODUCTION BY INDUSTRY CLUSTER, NOVEMBER 2006 TO NOVEMBER 2008 (Continued)

Period	Precision Engineering			Transport Engineering				General Manufacturing Industries				Total Manufacturing	
	Total	Machinery & Systems	Precision Modules & Components	Total	Marine & Offshore Engineering	Aerospace	Land	Total	Printing	Food, Beverages & Tobacco	Miscellaneous Industries		
2007 = 100													
2006	Nov	102.6	96.8	106.9	86.4	80.2	97.6	102.6	106.0	106.3	97.2	111.2	104.8
	Dec	103.1	107.2	100.2	97.8	99.6	96.1	72.7	102.8	105.6	98.2	103.6	105.3
2007	Jan	97.1	87.6	105.2	94.3	93.1	95.2	97.4	100.2	96.8	103.2	100.4	93.0
	Feb	82.0	72.0	90.5	84.5	76.3	92.3	95.2	82.7	78.1	88.0	82.5	87.1
	Mar	107.4	107.6	107.3	102.1	94.6	109.5	109.8	102.2	105.0	104.3	99.8	99.0
	Apr	94.5	90.8	97.6	95.3	87.4	102.3	109.2	95.8	94.9	95.9	96.2	96.9
	May	97.9	94.8	100.6	95.0	91.0	99.3	98.0	98.8	103.9	97.1	96.9	98.8
	Jun	102.2	107.7	97.6	104.8	103.4	107.5	98.4	99.3	102.3	96.0	99.3	95.9
	Jul	104.1	106.8	101.9	109.5	113.1	107.1	98.9	104.0	98.3	102.6	107.6	119.5
	Aug	101.6	97.3	105.3	102.6	111.2	93.2	99.3	106.3	102.7	105.8	108.4	103.6
	Sep	107.0	115.3	100.0	99.4	97.3	104.1	84.7	102.5	105.4	101.8	101.4	99.9
	Oct	100.0	96.1	103.4	97.9	97.8	94.9	117.4	103.6	103.3	101.7	104.7	103.5
	Nov	100.4	102.5	98.6	103.9	111.8	97.4	87.5	104.7	110.8	102.6	102.4	101.8
	Dec	105.6	121.5	92.2	110.6	122.9	97.3	104.3	100.1	98.3	101.1	100.5	101.1
2008	Jan	97.3	94.5	99.6	92.6	87.6	99.0	90.0	107.5	101.3	120.0	104.7	100.9
	Feb	80.8	79.6	81.9	90.5	89.1	89.6	106.0	80.7	79.7	88.9	77.2	96.2
	Mar	102.9	111.9	95.3	109.4	106.2	105.1	159.2	99.6	100.6	105.1	96.5	116.9
	Apr	94.7	93.5	95.8	103.7	104.1	102.6	108.1	100.5	99.7	104.7	98.9	91.7
	May	92.5	94.1	91.1	107.4	114.1	102.2	91.2	102.3	100.9	105.5	101.5	85.6
	Jun	99.5	107.4	92.8	113.3	117.7	108.3	113.3	101.4	97.7	105.4	101.4	98.3
	Jul	96.2	93.7	98.3	116.2	122.9	105.6	133.7	108.5	100.4	109.5	112.2	93.3
	Aug	91.1	87.4	94.2	102.2	101.0	105.8	88.9	106.5	98.6	108.5	109.7	91.3
	Sep	103.3	110.0	97.7	111.1	118.5	103.5	104.8	106.5	98.7	107.1	110.3	103.1
	Oct	87.9	83.7	91.4	109.4	113.8	105.7	100.4	106.5	97.4	109.5	109.7	91.0
	Nov *	81.2	84.8	78.2	109.3	115.6	105.5	87.5	102.8	95.9	109.5	103.3	94.2

\* Preliminary

**TABLE 3 : MANUFACTURING SECTOR GROWTH**

Period		INDEX ( 2007 = 100 )	SA INDEX	SA MOM GROWTH (%)	YOY INDEX GROWTH (%)	3MMA YOY INDEX GROWTH (%)
2006	Nov	104.8	99.7	2.7	16.4	8.7
	Dec	105.3	98.1	-1.6	5.8	8.4
2007	Jan	93.0	95.7	-2.4	15.5	12.2
	Feb	87.1	102.9	7.5	5.3	8.6
	Mar	99.0	96.5	-6.2	0.0	6.4
	Apr	96.9	100.8	4.5	22.0	8.4
	May	98.8	103.8	3.0	16.6	12.0
	Jun	95.9	92.1	-11.3	-10.6	7.4
	Jul	119.5	119.2	29.4	24.9	9.2
	Aug	103.6	104.0	-12.8	14.7	8.8
	Sep	99.9	94.9	-8.7	-3.0	11.8
	Oct	103.5	98.3	3.6	3.4	4.6
2008	Nov	101.8	98.5	0.2	-2.9	-0.9
	Dec	101.1	94.6	-4.0	-4.0	-1.2
	Jan	100.9	104.5	10.5	8.5	0.3
	Feb	96.2	113.2	8.3	10.4	4.6
	Mar	116.9	113.8	0.5	18.1	12.6
	Apr	91.7	95.8	-15.8	-5.4	7.7
	May	85.6	90.2	-5.8	-13.4	-0.1
	Jun	98.3	94.4	4.7	2.5	-5.5
	Jul	93.3	92.6	-1.9	-21.9	-11.7
	Aug	91.3	91.6	-1.1	-11.9	-11.3
	Sep	103.1	98.1	7.1	3.2	-11.0
Oct	91.0	86.0	-12.3	-12.1	-7.0	
Nov*	94.2	91.3	6.2	-7.5	-5.5	

Note:

- \* - Preliminary
- SA Index - Seasonally adjusted index
- SA MOM - Seasonally adjusted month-on-month
- 3MMA YOY - 3-month moving average year-on-year