

GROWTH OF MANUFACTURING SECTOR

CHART 1

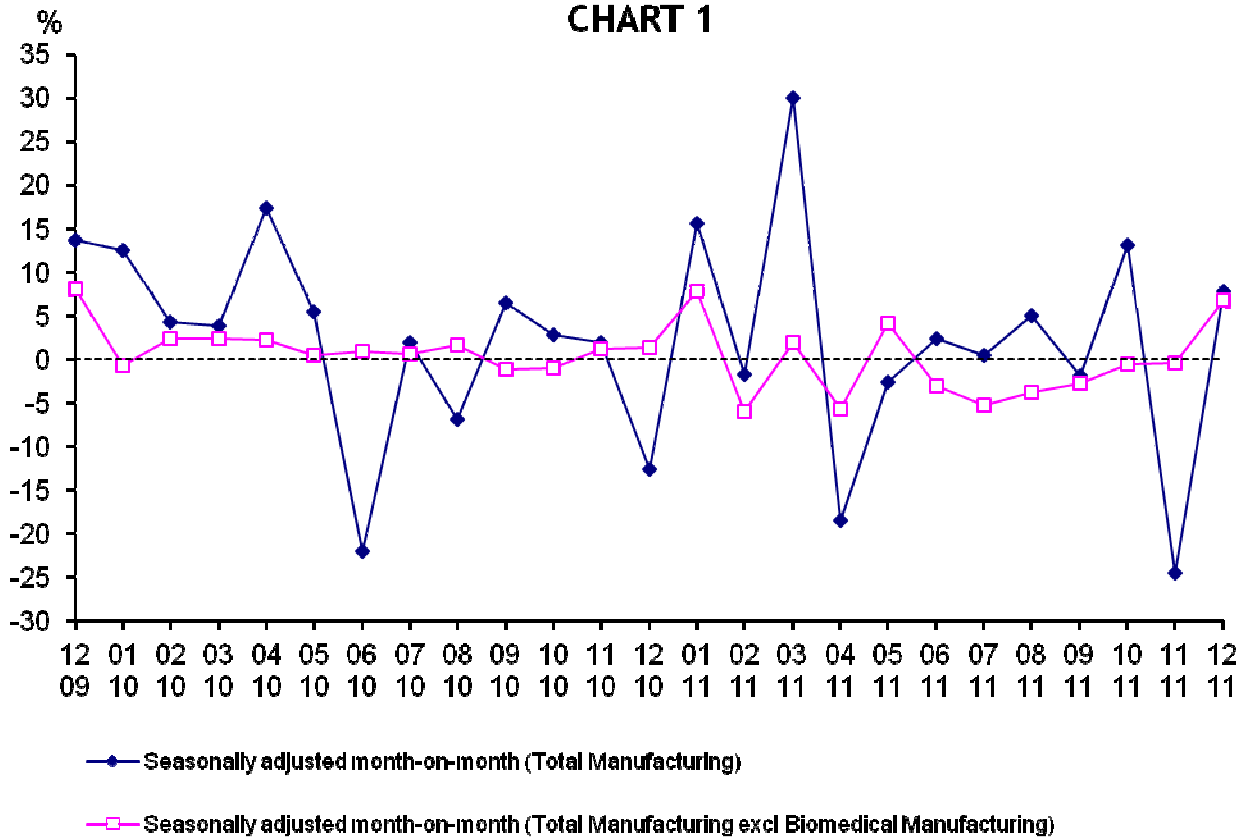


CHART 2

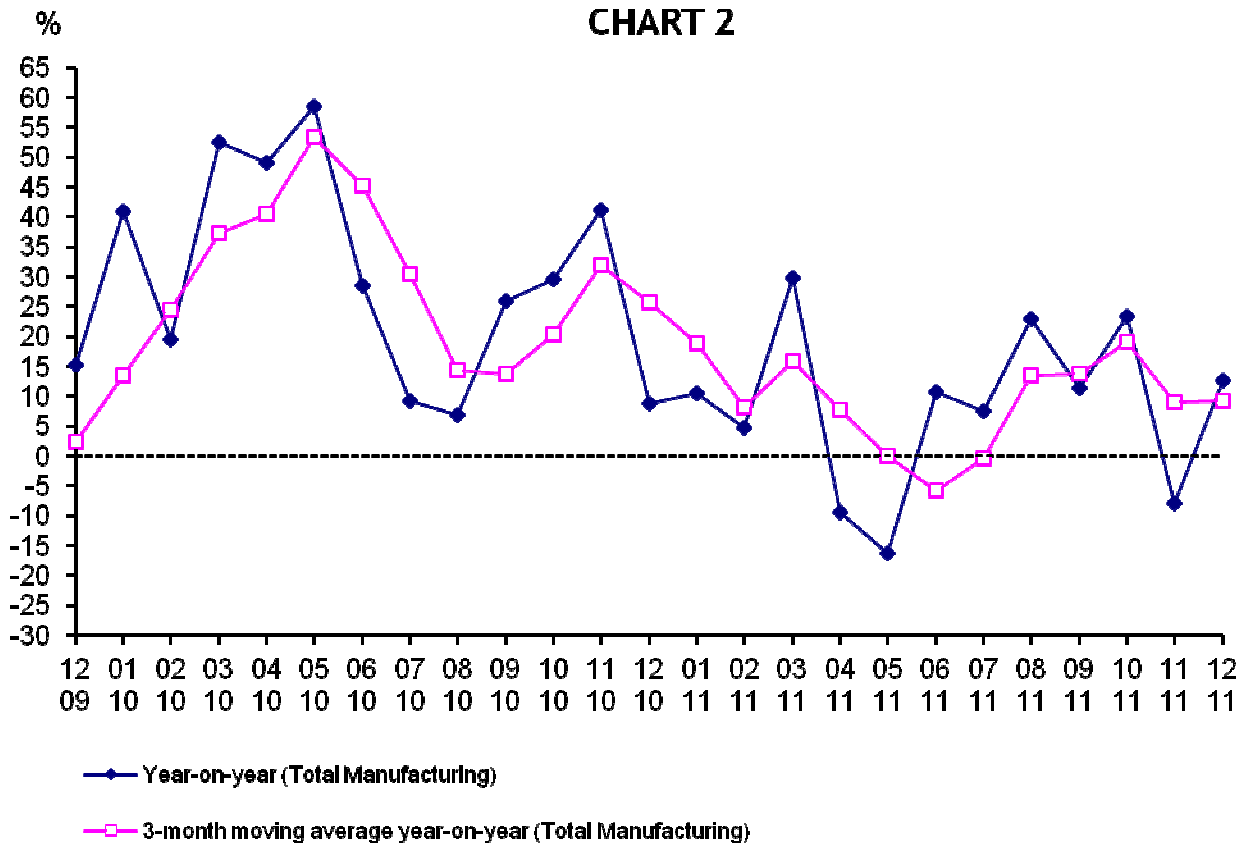


TABLE 1 : MANUFACTURING SECTOR GROWTH

Period	NSA INDEX Total Mfg (2007 = 100)	YOY GROWTH (%) Total Mfg	SA INDEX Total Mfg	SA MOM GROWTH (%) Total Mfg	SA INDEX Total Mfg excl Biomedical Mfg	SA MOM GROWTH (%) Total Mfg excl Biomedical Mfg
2009 Dec	101.0	15.3	97.3	13.7	101.3	8.1
2010 Jan	105.5	41.0	109.4	12.4	100.6	-0.7
Feb	101.7	19.6	114.1	4.3	103.0	2.4
Mar	120.4	52.4	118.5	3.9	105.4	2.3
Apr	137.9	49.1	139.0	17.3	107.7	2.2
May	142.3	58.6	146.6	5.5	108.1	0.4
Jun	117.6	28.4	114.3	-22.0	109.0	0.8
Jul	120.3	9.3	116.5	1.9	109.6	0.6
Aug	109.7	6.9	108.4	-7.0	111.3	1.6
Sep	121.7	26.0	115.4	6.5	110.0	-1.2
Oct	120.9	29.6	118.6	2.8	108.9	-1.0
Nov	121.3	41.2	120.9	1.9	110.2	1.2
Dec	109.9	8.8	105.6	-12.7	111.7	1.4
2011 Jan	116.6	10.5	122.1	15.6	120.3	7.7
Feb	106.5	4.7	119.9	-1.8	113.0	-6.1
Mar	156.3	29.8	155.9	30.0	115.2	1.9
Apr	125.0	-9.4	127.1	-18.5	108.5	-5.8
May	119.0	-16.4	123.8	-2.6	112.9	4.1
Jun	130.3	10.8	126.6	2.3	109.4	-3.1
Jul	129.4	7.6	127.1	0.4	103.6	-5.3
Aug	134.8	22.9	133.4	5.0	99.6	-3.9
Sep	135.5	11.3	130.7	-2.0	96.8	-2.8
Oct	149.2	23.4	147.7	13.0	96.2	-0.6
Nov	111.6	-8.0	111.5	-24.5	95.7	-0.5
Dec *	123.7	12.6	120.2	7.8	102.1	6.7

* - Preliminary
NSA Index - Non seasonally adjusted index
MOM - Month-on-month
YOY - Year-on-year

TABLE 2: PERFORMANCE BY CLUSTERS

Industry Cluster	2010 Value Added Share (%)	% change over corresponding period of previous year				% change of 3-month moving average over corresponding period of previous year		
		Oct 11	Nov 11	Dec 11*	Cum Jan - Dec 11	Oct 11	Nov 11	Dec 11*
Electronics	31.4	-22.5	-30.6	-22.8	-13.3	-24.8	-26.8	-25.3
Semiconductors	20.9	-26.2	-31.7	-31.0	-15.3	-26.5	-29.0	-29.6
Computer Peripherals	3.9	-21.1	-27.6	-7.0	-7.2	-25.9	-23.7	-18.2
Data Storage	3.5	-12.4	-55.8	2.4	-16.2	-15.5	-30.0	-24.2
Infocomms & Consumer Electronics	2.0	10.3	4.3	-4.1	9.9	-13.9	-7.1	2.3
Other Electronic Modules & Components	1.1	-15.8	-7.6	-11.6	-18.8	-23.7	-16.3	-11.7
Biomedical Manufacturing	19.6	111.8	4.9	111.6	31.5	111.9	65.3	69.2
Pharmaceuticals	17.1	116.7	4.9	121.6	32.9	117.9	68.2	72.9
Medical Technology	2.5	17.5	5.7	14.3	6.0	12.9	12.4	12.2
Chemicals	10.7	-10.9	-5.2	-4.6	3.4	-2.3	-3.6	-6.9
Petroleum	2.2	-21.4	-2.8	-9.7	4.6	-0.6	-4.4	-11.2
Petrochemicals	3.5	-18.0	-9.0	-15.0	-5.9	-17.9	-12.1	-14.0
Specialties	4.0	11.6	-1.3	19.2	15.9	18.8	11.1	10.0
Others	1.1	-3.0	-11.7	-7.3	-2.1	-8.4	-9.7	-7.5

TABLE 2: PERFORMANCE BY CLUSTERS (Continued)

Industry Cluster	2010 Value Added Share (%)	% change over corresponding period of previous year				% change of 3-month moving average over corresponding period of previous year		
		Oct 11	Nov 11	Dec 11*	Cum Jan - Dec 11	Oct 11	Nov 11	Dec 11*
Precision Engineering	13.4	-5.8	-2.8	0.3	14.6	-2.4	-5.4	-2.7
Machinery & Systems	7.4	-0.4	2.6	11.5	32.2	4.1	-1.1	4.8
Precision Modules & Components	6.0	-13.3	-10.8	-15.4	-6.9	-11.4	-11.7	-13.2
Transport Engineering	14.7	14.7	17.5	15.1	8.7	9.8	12.6	15.7
Marine & Offshore Engineering	8.6	18.0	19.9	19.2	7.8	14.5	14.7	19.0
Aerospace	5.0	15.7	20.8	13.1	10.6	10.2	15.2	16.3
Land	1.1	-9.0	-6.5	3.2	1.8	-17.8	-11.0	-3.8
General Manufacturing Industries	10.3	-10.5	1.3	-1.1	-2.7	-7.7	-5.0	-3.6
Printing	2.4	-10.1	-6.2	-7.8	-3.4	-3.5	-6.7	-7.9
Food, Beverages & Tobacco	3.3	0.4	7.8	9.2	3.7	1.4	3.7	5.8
Miscellaneous Industries	4.6	-15.3	1.4	-3.8	-5.4	-13.0	-8.4	-6.4
Total Manufacturing	100.0	23.4	-8.0	12.6	7.6	19.1	8.9	9.2
Manufacturing excluding Biomedical Manufacturing	80.4	-12.3	-13.5	-9.0	-2.7	-11.8	-12.9	-11.6

* Preliminary

TABLE 3: MONTHLY INDEX OF INDUSTRIAL PRODUCTION BY INDUSTRY CLUSTER, DECEMBER 2009 TO DECEMBER 2011

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															
2009	Dec	114.0	135.7	116.3	97.7	46.3	100.0	84.3	81.0	125.8	98.9	85.5	111.9	106.9	91.0
2010	Jan	102.4	127.4	89.5	83.2	35.9	96.9	138.1	142.0	89.0	93.4	77.6	106.5	101.9	94.6
	Feb	93.6	117.0	81.2	78.9	30.7	82.2	150.8	155.4	92.9	83.2	69.3	97.8	89.2	77.8
	Mar	111.9	141.9	88.3	90.7	43.6	92.2	163.4	166.2	128.2	99.0	86.1	108.0	108.9	97.6
	Apr	116.1	157.0	76.3	82.1	35.1	93.2	243.6	255.1	99.4	100.9	84.7	115.7	112.3	89.6
	May	103.1	131.4	87.6	74.4	31.8	104.1	275.7	288.1	119.7	101.2	82.6	119.0	113.3	87.6
	Jun	121.7	160.2	101.3	72.6	44.4	99.6	133.1	134.3	116.8	98.1	78.2	112.1	112.2	98.7
	Jul	121.4	160.2	96.6	83.2	38.4	97.1	139.6	144.3	80.7	102.9	90.6	118.5	106.6	93.7
	Aug	121.9	158.3	107.7	82.1	39.4	95.4	98.2	98.4	95.3	101.1	85.3	119.2	106.4	93.6
	Sep	129.3	172.1	97.1	83.5	52.8	86.4	132.7	136.1	88.9	97.4	80.7	115.7	104.7	88.6
	Oct	118.7	159.0	91.3	80.0	36.3	83.3	151.4	155.3	100.9	102.8	93.6	118.0	105.1	84.0
	Nov	122.0	155.4	107.9	98.1	45.1	78.5	156.8	160.1	115.4	102.4	94.2	116.3	101.4	93.1
	Dec	124.0	156.3	115.4	81.5	60.2	82.5	85.5	83.8	106.6	108.2	101.8	123.4	105.3	90.9
2011	Jan	120.3	155.3	96.8	82.5	59.2	74.1	127.6	130.1	95.2	110.8	94.8	122.5	126.2	97.8
	Feb	99.0	129.7	83.2	49.8	50.3	68.3	142.4	146.5	90.9	99.0	88.4	108.8	109.9	81.2
	Mar	116.3	145.4	114.2	72.5	52.3	90.1	292.9	306.6	121.5	107.3	87.5	112.3	133.6	105.1
	Apr	106.6	138.3	92.9	67.9	41.1	81.0	189.0	195.8	103.4	95.5	75.0	101.8	121.4	92.9
	May	100.5	126.9	96.3	67.3	40.9	74.3	160.7	164.6	111.5	106.1	89.7	115.2	123.3	99.0
	Jun	100.8	123.5	89.4	87.0	45.2	77.6	184.9	190.2	118.9	108.8	97.4	114.0	127.7	88.4
	Jul	99.1	128.7	79.9	68.6	38.1	73.7	205.3	213.6	100.3	108.7	97.6	114.1	125.0	92.6
	Aug	92.0	120.3	71.6	67.7	33.1	67.2	245.9	257.4	100.9	99.8	92.9	87.9	130.1	86.1
	Sep	94.1	122.0	76.0	69.7	37.5	65.0	243.7	255.0	102.5	103.1	91.5	105.1	128.2	76.4
	Oct	92.0	117.3	72.0	70.0	40.0	70.1	320.5	336.6	118.6	91.6	73.6	96.8	117.2	81.5
	Nov	84.7	106.2	78.1	43.3	47.0	72.5	164.5	168.0	121.9	97.1	91.6	105.8	100.1	82.2
	Dec*	95.7	107.8	107.3	83.5	57.7	73.0	180.9	185.7	121.8	103.2	91.9	104.9	125.6	84.3

TABLE 3: MONTHLY INDEX OF INDUSTRIAL PRODUCTION BY INDUSTRY CLUSTER, DECEMBER 2009 TO DECEMBER 2011 (Continued)

Period	Precision Engineering			Transport Engineering				General Manufacturing Industries				Total Manu- facturing	Manufacturing excluding Biomedical Manufacturing	
	Total	Machinery & Systems	Precision Modules & Components	Total	Marine & Offshore Engineering	Aerospace	Land	Total	Printing	Food, Beverages & Tobacco	Miscella- neous Industries			
2007 = 100														
2009	Dec	98.1	110.5	87.6	100.9	96.1	93.8	180.4	104.6	88.0	109.0	111.0	101.0	106.0
2010	Jan	84.7	83.2	86.0	87.0	81.1	94.5	83.1	100.5	80.8	108.8	106.7	105.5	95.8
	Feb	75.8	76.8	74.9	86.9	81.8	95.7	69.8	83.2	63.9	93.5	88.2	101.7	87.0
	Mar	113.0	129.8	98.8	97.8	88.5	108.8	97.1	108.0	88.5	112.3	115.9	120.4	107.6
	Apr	98.7	105.4	93.0	91.1	81.3	104.3	79.0	108.1	89.3	103.9	119.7	137.9	106.3
	May	99.1	111.9	88.3	97.1	91.0	102.5	107.1	112.1	87.5	107.0	127.2	142.3	102.5
	Jun	119.3	150.4	93.0	96.7	82.7	111.1	107.8	114.0	81.9	113.5	130.7	117.6	113.0
	Jul	116.1	142.2	93.9	102.5	96.9	111.3	88.3	118.6	86.7	115.4	136.5	120.3	114.5
	Aug	111.6	135.4	91.5	101.2	90.3	110.5	121.6	115.5	80.3	113.3	134.5	109.7	113.1
	Sep	131.3	176.5	92.9	102.1	96.6	105.0	123.8	113.0	85.2	111.7	127.9	121.7	118.4
	Oct	115.5	146.0	89.7	95.5	81.7	109.4	109.5	114.5	92.0	111.8	127.2	120.9	111.8
	Nov	112.1	145.7	83.7	90.5	80.2	94.5	140.5	104.5	92.6	109.7	108.0	121.3	110.7
	Dec	123.7	158.1	94.6	110.6	102.2	116.1	136.3	105.9	87.3	113.3	111.9	109.9	117.2
2011	Jan	119.6	157.8	87.3	94.3	78.7	111.0	103.1	110.4	83.1	123.8	117.6	116.6	113.3
	Feb	97.8	127.0	73.0	90.4	78.5	102.1	103.2	86.2	64.6	88.1	96.1	106.5	95.8
	Mar	132.8	178.4	94.3	106.7	99.3	114.2	114.1	115.1	87.4	118.3	127.5	156.3	115.5
	Apr	126.9	175.2	86.1	98.5	85.1	115.7	88.0	102.4	82.4	107.9	109.7	125.0	105.9
	May	138.6	201.1	85.7	95.1	81.4	110.4	99.5	102.2	82.4	111.7	107.5	119.0	106.5
	Jun	164.0	248.1	92.9	108.6	97.2	121.9	108.1	111.0	81.9	114.9	123.6	130.3	114.0
	Jul	127.9	173.5	89.4	104.3	91.0	119.2	107.5	108.9	83.9	114.9	118.5	129.4	106.7
	Aug	119.3	163.0	82.3	110.0	107.0	116.6	90.3	107.2	83.6	114.3	115.6	134.8	101.6
	Sep	121.8	168.1	82.7	108.6	104.1	115.0	101.6	106.9	82.1	115.2	115.4	135.5	103.2
	Oct	108.8	145.4	77.8	109.6	96.3	126.5	99.6	102.5	82.7	112.2	107.8	149.2	98.0
	Nov	109.0	149.5	74.7	106.3	96.1	114.1	131.4	105.9	86.9	118.3	109.5	111.6	95.8
	Dec *	124.1	176.2	80.0	127.3	121.8	131.4	140.7	104.7	80.5	123.7	107.7	123.7	106.6

* Preliminary