

MEDIA RELEASE

26 May 2011

Monthly Manufacturing Performance – April 2011

Highlights

- On a year-on-year basis, Singapore's manufacturing output declined 9.5% in April 2011. Excluding biomedical manufacturing, output fell 0.5%.
- On a seasonally adjusted month-on-month basis, manufacturing output fell 16.3% in April 2011. Excluding biomedical manufacturing, output declined 6.2%.

(I) Total Manufacturing Performance

1. On a year-on-year basis, manufacturing output declined 9.5% in April 2011. Excluding biomedical manufacturing, output fell 0.5%. On a three-month moving average basis, manufacturing output in April 2011 increased 6.6% compared to the same period in 2010. On a seasonally adjusted month-on-month basis, manufacturing output fell 16.3% in April 2011. Excluding biomedical manufacturing, output declined 6.2%.

(II) Performance by cluster

2. Output of the precision engineering cluster expanded 28.5% year-on-year in April 2011. The machinery & systems' output rose 64.9%, supported by robust demand for semiconductor related equipment, process control equipment as well as higher volume of engineering works in the chemicals sector. The precision modules & components segment, on the other hand, shrank 6.4% due to lower production of connectors, metal precision components and plastic engineering parts. On a year-to-date basis, output of the precision engineering cluster was 29.1% higher than the same period a year ago.
3. The transport engineering cluster's output grew 6.3% year-on-year in April 2011, with all segments posting higher output. The aerospace segment increased 9.9% with higher volume of aircraft repair and maintenance jobs from commercial airlines. The land transport segment also recorded a gain of 6.5% as a result of higher production of automotive parts and accessories, while the marine and offshore engineering segment grew 2.4% with higher output from oil & gas field equipment and ship conversion projects. Cumulatively, output of the cluster grew 5.9% in the first four months of 2011, compared to the same period last year.
4. The chemicals cluster's output declined 5.3% year-on-year in April 2011. However, the specialties and other chemicals segments recorded output gains of 8.2% and 3.4% respectively. The petrochemicals and petroleum segments registered lower output in April 2011 due to maintenance shutdowns in some plants. Cumulatively, output of the

chemicals cluster grew 9.6% from January to April 2011 compared to the same period a year ago.

5. Output of the electronics cluster declined 8.0% in April 2011 from the same period in 2010. Output increases in the infocomms & consumer electronics (46.3%) and computer peripherals (33.5%) segments were offset by contraction in the semiconductors (-14.6%) and data storage (-19.1%) segments. The decline in the semiconductors segment was due to a slowdown in export demand while the data storage segment was affected by the relocation of production overseas as previously announced. On a year-to-date basis, electronics output expanded 6.5% compared to the same period a year ago.
6. The general manufacturing cluster's output declined 8.3% year-on-year in April 2011. The decline was largely due to the printing and miscellaneous segments, which saw output fall 6.5% and 14.1% respectively. Cumulative output of the cluster in the first four months of 2011 declined 0.6%, compared to the same period last year.
7. Output of the biomedical manufacturing cluster fell 22.6% in April 2011 year-on-year after posting a strong gain in March. The pharmaceuticals segment declined 23.6% as a result of a different mix of active pharmaceutical ingredients being produced. On a year-to-date basis, the biomedical output grew 4.8% compared to the same period a year ago.
8. The next monthly manufacturing performance media release will be issued on 24th June 2011.

Editors' Note: Updates on Monthly Manufacturing Output are available on <http://www.news.gov.sg> and <http://www.sedb.com>

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GROWTH OF MANUFACTURING SECTOR

CHART 1

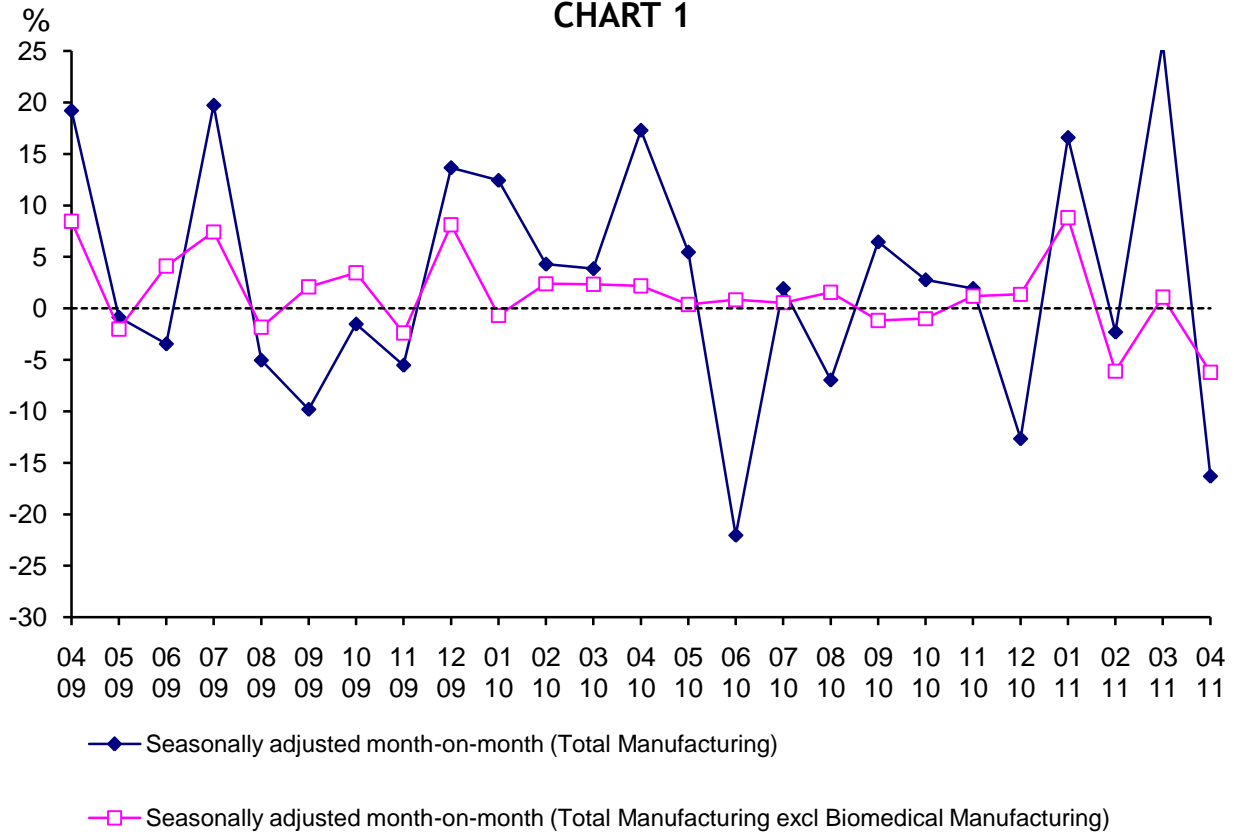


CHART 2

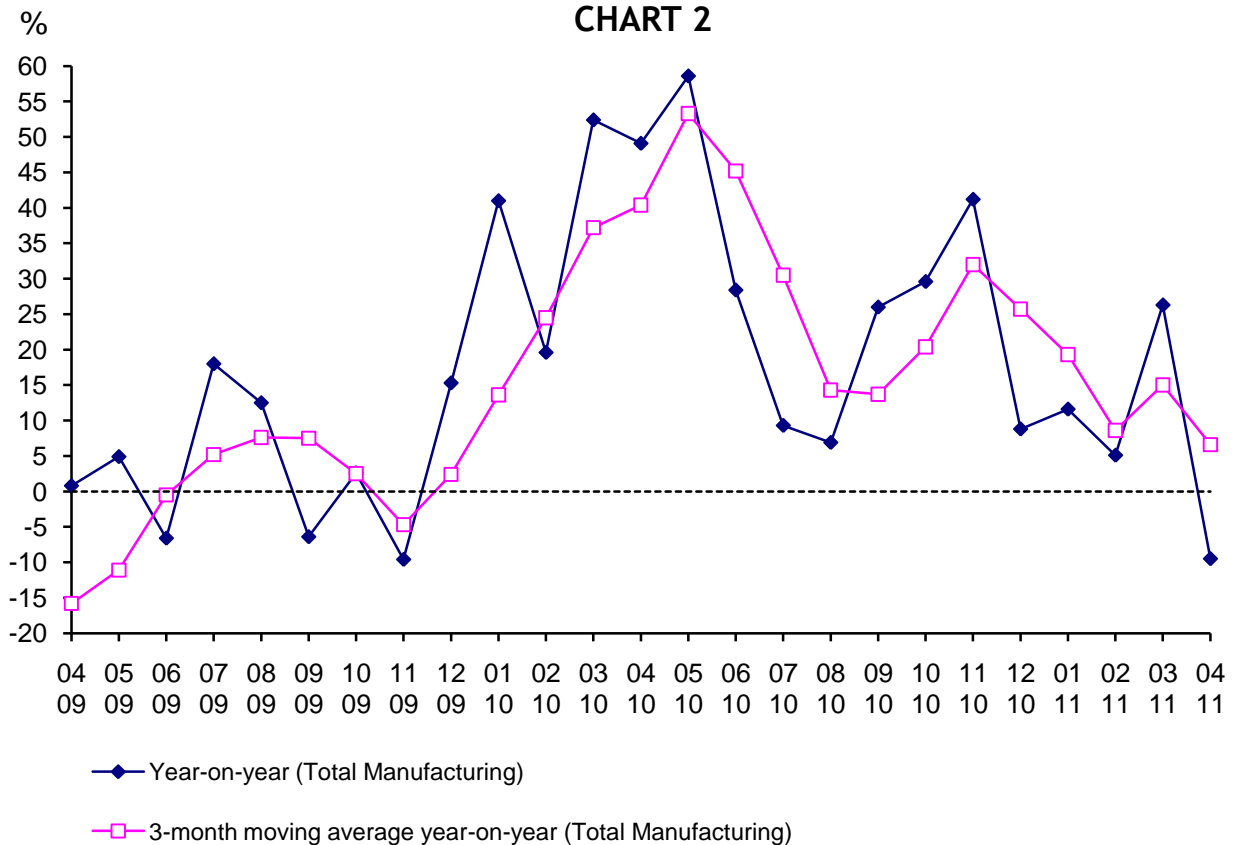


TABLE 1 : MANUFACTURING SECTOR GROWTH

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	Apr	92.5	0.8	93.7	19.2	84.5	8.5	
	May	89.7	4.9	92.9	-0.9	82.8	-2.0	
	Jun	91.6	-6.6	89.7	-3.4	86.2	4.1	
	Jul	110.1	18.0	107.4	19.7	92.6	7.4	
	Aug	102.6	12.5	102.0	-5.0	90.9	-1.8	
	Sep	96.6	-6.4	92.0	-9.8	92.8	2.1	
	Oct	93.3	2.6	90.6	-1.5	96.0	3.4	
	Nov	85.9	-9.6	85.6	-5.5	93.7	-2.4	
	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	117.7	11.6	123.1	16.6	121.5	8.8	
	Feb	106.9	5.1	120.3	-2.3	114.1	-6.1	
	Mar	152.1	26.3	151.3	25.8	115.3	1.1	
	Apr *	124.8	-9.5	126.7	-16.3	108.1	-6.2	

* - 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		
		Feb 11	Mar 11	Apr 11*	Cum Jan – Apr 11	Feb 11	Mar 11	Apr 11*
Electronics	31.4	9.1	6.0	-8.0	6.5	13.0	12.0	1.9
Semiconductors	20.9	10.9	1.6	-14.6	3.8	16.2	11.2	-1.9
Computer Peripherals	3.9	11.0	40.4	33.5	25.8	8.5	23.5	28.5
Data Storage	3.5	-36.8	-20.1	-19.1	-19.0	-17.7	-19.0	-25.0
Infocomms & Consumer Electronics	2.0	116.0	44.9	46.3	76.6	79.3	86.3	65.3
Other Electronic Modules & Components	1.1	-17.0	-2.4	-12.8	-14.0	-19.4	-14.3	-10.5
Biomedical Manufacturing	19.6	-6.8	66.9	-22.6	4.8	-5.3	19.6	7.9
Pharmaceuticals	17.1	-7.1	71.4	-23.6	5.0	-5.3	20.6	8.2
Medical Technology	2.5	-2.1	-5.2	9.1	1.6	-4.9	-0.8	0.1
Chemicals	10.7	19.0	8.3	-5.3	9.6	15.4	15.1	6.6
Petroleum	2.2	27.8	1.4	-11.6	8.8	22.6	16.1	4.5
Petrochemicals	3.5	11.2	4.2	-12.0	4.1	12.2	10.1	0.5
Specialties	4.0	23.2	22.5	8.2	19.1	14.6	23.2	17.5
Others	1.1	3.7	7.6	3.4	4.6	2.2	5.0	5.0

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		
		Feb 11	Mar 11	Apr 11*	Cum Jan – Apr 11	Feb 11	Mar 11	Apr 11*
Precision Engineering	13.4	30.5	18.6	28.5	29.1	32.8	29.3	25.2
Machinery & Systems	7.4	65.3	37.8	64.9	61.3	63.8	60.0	53.7
Precision Modules & Components	6.0	0.4	-2.6	-6.4	-1.5	4.1	0.3	-3.1
Transport Engineering	14.7	2.8	6.6	6.3	5.9	6.8	5.7	5.3
Marine & Offshore Engineering	8.6	-6.5	6.6	2.4	-0.4	-1.2	-1.3	1.0
Aerospace	5.0	6.7	5.0	9.9	9.6	15.9	9.5	7.2
Land	1.1	47.9	17.7	6.5	23.2	3.0	28.5	22.7
General Manufacturing Industries	10.3	-1.3	2.3	-8.3	-0.6	1.9	2.3	-2.5
Printing	2.4	1.3	-0.2	-6.5	-1.1	0.6	1.0	-2.2
Food, Beverages & Tobacco	3.3	-5.1	5.0	3.8	4.7	4.7	5.0	1.6
Miscellaneous Industries	4.6	-0.3	2.0	-14.1	-2.9	1.0	1.4	-4.6
Total Manufacturing	100.0	5.1	26.3	-9.5	7.7	8.6	15.0	6.6
Manufacturing excluding Biomedical Manufacturing	80.4	11.3	7.9	-0.5	9.3	13.9	12.8	5.9

* Preliminary

TABLE 3: MONTHLY INDEX OF INDUSTRIAL PRODUCTION BY INDUSTRY CLUSTER, APRIL 2009 TO APRIL 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	Apr	73.2	78.5	81.1	85.0	33.9	69.6	124.2	126.2	99.3	80.5	79.0	82.8	85.4	65.5	
	May	68.2	75.5	74.7	63.2	29.8	80.6	126.7	129.5	91.8	84.6	88.9	78.0	89.0	74.9	
	Jun	81.7	87.1	102.9	80.6	39.2	82.3	102.2	102.4	99.5	91.1	88.7	86.5	101.4	88.9	
	Jul	98.6	100.3	168.6	80.2	35.6	96.9	156.7	161.2	99.5	96.2	87.5	105.4	99.6	92.8	
	Aug	93.7	96.3	155.9	74.7	33.9	98.2	138.5	143.0	82.0	90.5	85.0	96.0	93.2	87.9	
	Sep	103.1	101.9	179.5	88.2	38.5	108.9	88.9	87.6	105.3	90.8	82.6	97.0	96.9	88.4	
	Oct	108.3	116.0	170.7	82.2	38.0	104.8	73.0	70.2	108.1	92.3	85.2	99.7	97.5	83.2	
	Nov	95.7	109.5	109.9	78.7	40.2	99.3	58.8	55.4	101.5	93.4	84.5	104.4	96.0	87.4	
	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	123.9	155.6	105.8	82.5	75.9	74.1	127.6	130.1	95.2	110.8	94.7	122.5	126.4	97.7	
	Feb	102.1	129.8	90.1	49.8	66.2	68.3	140.4	144.4	90.9	99.1	88.6	108.8	109.9	80.7	
	Mar	118.6	144.2	123.9	72.5	63.2	90.1	272.7	284.8	121.5	107.3	87.3	112.5	133.4	105.0	
	Apr *	106.8	134.1	101.9	66.4	51.4	81.3	188.5	194.9	108.5	95.5	74.9	101.8	121.6	92.6	

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

Period	Precision Engineering			Transport Engineering				General Manufacturing Industries				Total Manufacturing	Manufacturing excluding Biomedical Manufacturing	
	Total	Machinery & Systems	Precision Modules & Components	Total	Marine & Offshore Engineering	Aerospace	Land	Total	Printing	Food, Beverages & Tobacco	Miscellaneous Industries			
2007 = 100														
2009	Apr	71.2	76.9	66.3	118.5	133.7	110.4	59.3	93.4	79.5	98.0	98.3	92.5	83.0
	May	70.1	69.7	70.4	98.2	99.1	103.3	60.9	94.3	77.6	101.3	99.5	89.7	78.6
	Jun	82.4	88.8	77.0	101.2	100.3	105.8	78.7	100.7	78.0	102.9	111.4	91.6	88.4
	Jul	77.6	75.5	79.4	102.7	109.6	99.5	73.9	104.5	86.8	107.3	112.3	110.1	96.2
	Aug	77.7	78.9	76.7	96.5	92.7	98.5	111.0	100.9	85.7	101.9	108.1	102.6	91.9
	Sep	89.2	93.8	85.3	100.7	104.3	96.5	101.6	105.1	85.5	107.6	113.9	96.6	98.9
	Oct	83.7	82.5	84.7	90.6	88.7	90.7	102.7	108.4	91.0	106.6	118.1	93.3	99.4
	Nov	84.4	86.1	82.9	90.1	90.7	88.0	98.2	105.6	93.4	103.5	113.0	85.9	94.0
	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	120.6	158.0	89.0	93.6	77.3	111.0	103.7	105.8	82.4	123.8	109.1	117.7	114.7
	Feb	98.9	126.9	75.2	89.4	76.5	102.1	103.3	82.2	64.7	88.7	88.0	106.9	96.9
	Mar	134.1	178.8	96.2	104.3	94.3	114.2	114.3	110.4	88.3	117.9	118.1	152.1	116.1
	Apr *	126.8	173.7	87.0	96.8	83.3	114.6	84.0	99.1	83.5	107.9	102.9	124.8	105.8

* Preliminary