

Appendix H: Statistische Daten - Singapur

Tabelle 1:
Gross domestic product by industry, 1970, 1980, 1990 and 1997-1999 (Cont'd)

Industry	1970	1980	1990	1997	1998	1999p	1979 - 1989	1997	1998	1999
	Million Dollars						Annual Percentage Change			
	At 1990 Market Prices									
Total	13,881.8	32,880.9	66,464.4	119,835.3	120,316.4	126,755.9	7.4	8.4	0.4	5.4
Goods Producing Industries	5,208.7	12,683.6	23,081.7	41,194.1	41,581.3	44,249.0	6.3	7.3	0.9	6.4
Manufacturing	3,292.4	9,257.1	18,010.0	28,399.5	28,239.1	32,133.2	6.9	4.5	-0.6	13.8
Construction	1,407.6	2,517.4	3,584.6	10,514.4	10,975.5	9,685.0	3.9	15.3	4.4	-11.8
Utilities	244.2	600.5	1,250.0	2,069.8	2,170.9	2,240.8	7.3	10.8	4.9	3.2
Other Goods Industries	292.0	379.4	237.1	210.4	195.8	190.0	-3.7	0.1	-6.9	-3.0
Services Producing Industries	8,418.1	20,412.3	44,044.6	82,122.4	82,064.6	85,203.8	8.0	9.5	-0.1	3.8
Wholesale & Retail Trade	2,739.1	5,288.9	9,999.4	19,713.4	18,901.6	20,234.2	5.8	6.4	-4.1	7.1
Hotels & Restaurants	505.4	1,345.5	2,576.6	3,804.1	3,670.2	3,805.2	7.6	6.5	-3.5	3.7
Transport & Communications	962.2	3,819.8	8,741.9	15,832.9	16,703.1	17,890.7	9.0	9.1	5.5	7.1
Financial Services	468.0	2,338.1	7,220.9	15,464.5	14,217.6	14,211.9	14.1	18.3	-8.1	-
Business Services	2,094.2	3,699.4	8,102.4	14,589.4	15,332.8	15,348.2	7.9	7.9	5.1	0.1
Other Services Industries	2,110.0	3,887.4	7,403.4	12,718.1	13,239.3	13,713.6	6.3	7.6	4.1	3.6
Owner-Occupied Dwellings	324.0	746.1	2,758.4	3,893.3	4,180.8	4,505.4	14.5	5.8	7.4	7.8
Add: Taxes & Duties on Imports	411.4	573.3	608.9	693.9	706.3	834.4	na	na	na	na
Less: Imputed Bank Service Charge	181.9	1,522.5	4,029.2	8,068.4	8,216.6	8,036.7	na	na	na	na

Notes: 1 The industries are classified according to SSIC 1996.

Source: Singapore Department of Statistics

2 Other Goods Industries comprise of Agriculture, Fishing and Quarrying.

Tabelle 2: Change in Employment, 1994 - 1999

	1994	1995	1996	1997	1998	1999p	1996	1997	1998	1999
	Number						Annual Percentage Change			
Total	72,100	109,000	102,600	120,300	-23,400	41,900	5.6	6.2	-1.1	2.1
Goods Producing Industries	24,800	52,300	46,400	49,500	-32,000	-13,500	6.7	6.7	-4.1	-1.8
Manufacturing	11,600	12,500	-7,700	3,700	-27,600	4,600	-1.7	0.8	-6.2	1.1
Construction	13,100	40,600	52,800	45,800	-4,700	-18,300	22.9	16.2	-1.4	-5.7
Others ¹	-	-800	1,300	-	200	200	12.0	-0.1	2.0	1.8
Services Producing Industries	47,300	56,800	56,300	70,800	8,600	55,400	5.0	5.9	0.7	4.4
Wholesale & Retail Trade	8,600	11,400	5,700	7,500	-11,900	4,400	1.9	2.4	-3.8	1.5
Hotels & Restaurants	4,800	2,700	3,200	5,200	-1,600	2,800	2.9	4.7	-1.4	2.4
Transport & Communications	2,600	9,300	6,200	6,200	-500	4,000	3.9	3.7	-0.3	2.4
Financial Services	5,100	4,800	5,400	8,100	-2,000	4,600	7.0	9.8	-2.2	5.2
Business Services	10,900	13,200	13,000	18,000	8,500	17,500	8.3	10.6	4.6	8.9
Other Services Industries	15,400	15,300	22,800	25,900	16,100	22,100	6.8	7.3	4.2	5.5

Note: The industries are classified according to SSIC 1996.

Source: Manpower Research & Statistics Department,
Ministry of Manpower

¹ Comprise of Agriculture, Fishing, Quarrying and Utilities.

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Tabelle 3: Age-Sex Specific Labour Force Participation Rate

Age Group	Per Cent											
	1970 ¹			1980 ¹			1990 ¹			1999		
	Person	Male	Female	Person	Male	Female	Person	Male	Female	Person	Male	Female
TOTAL	55.3	81.2	28.2	63.2	81.5	44.3	66.0	79.0	53.0	64.7	77.8	52.7
15 - 19	47.1	54.4	39.4	49.1	47.5	50.7	30.9	30.0	31.8	17.2	17.2	17.2
20 - 24	71.5	91.6	50.9	86.1	93.4	78.4	82.5	82.8	82.2	74.0	70.8	76.6
25 - 29	63.4	96.8	29.8	78.3	97.2	58.7	86.4	94.8	77.9	87.1	93.4	81.9
30 - 34	59.9	97.4	22.2	71.5	97.9	44.2	80.5	95.4	65.4	83.6	97.9	70.5
35 - 39	59.8	97.8	19.0	68.0	98.0	37.1	77.4	96.4	57.9	79.4	98.2	60.8
40 - 44	60.0	96.9	17.6	65.8	97.6	33.2	75.7	96.7	54.2	78.5	97.5	60.2
45 - 49	59.1	94.6	17.4	61.8	95.7	26.5	70.7	94.7	45.9	78.0	96.7	59.6
50 - 54	54.6	87.4	17.6	56.3	89.6	20.4	62.2	88.2	35.6	69.1	92.2	46.4
55 - 59	45.8	73.0	16.1	43.6	70.7	14.5	45.6	69.0	22.4	53.5	76.1	32.0
60 - 64	34.5	54.9	13.3	31.9	52.5	11.3	31.4	49.5	13.8	34.6	51.7	19.1
65 - 69	na	na	na	23.5	38.6	9.5	22.2	35.2	9.8	20.2	33.1	8.9
70 - 74	na	na	na	15.0	25.1	6.2	13.8	22.9	6.3	11.0	18.7	4.2
75 & Over	na	na	na	6.6	13.3	2.5	6.5	11.8	2.9	4.7	9.5	1.4

¹ Census of Population.

Source: Singapore Department of Statistics and
Manpower Research & Statistics Department,
Ministry of Manpower

Tabelle 4: Changes in Average Monthly Earnings, 1990-1999

	Per Cent									
	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Total	9.3	9.2	7.5	6.3	8.8	6.4	5.8	5.7	2.8	2.7
Manufacturing	12.2	11.3	8.6	7.8	9.7	8.1	7.6	7.2	2.7	3.2
Construction	13.0	11.8	13.7	5.5	8.9	4.1	1.5	1.0	4.0	3.9
Wholesale & Retail Trade	11.5	9.1	8.1	6.1	8.1	6.9	5.9	5.3	2.5	0.9
Hotels & Restaurants	10.4	5.9	6.6	5.6	6.3	6.3	3.1	2.5	-0.4	-2.2
Transport & Communications	8.2	4.2	7.3	4.5	8.1	6.0	7.3	6.4	3.6	1.2
Financial Services	6.2	6.0	5.3	9.0	5.8	6.3	6.2	7.7	1.9	2.9
Business Services	10.4	9.6	3.7	3.8	7.1	6.4	4.5	5.2	2.1	1.7

Notes: 1 Average monthly earnings are based on payroll per worker.

Source: Central Provident Fund Board

It includes bonuses paid out but excludes employer's CPF contributions.

2 Data from 1993 onwards exclude all identifiable self-employed.

3 The industries are classified according to SSIC 1996.

Tabelle 5: Indices of Unit Labour Cost and Unit Business Cost, 1990-1999

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999p
	1988=100									
Unit Labour Cost Index of Overall Economy (ULC)	115.7	123.3	127.6	126.4	129.4	133.0	136.3	137.4	140.8	126.4
Unit Business Cost Index of Manufacturing (UBC)	112.8	118.5	122.2	121.5	120.5	123.0	125.5	126.5	124.5	109.9
Unit Labour Cost	118.4	126.1	134.3	131.0	126.8	124.9	127.6	128.7	126.9	104.0
Services Cost	106.4	109.1	108.2	110.1	112.2	118.0	119.9	121.1	121.2	116.5
Government Rates & Fees	129.0	149.8	159.5	158.3	161.5	186.7	196.2	192.4	139.3	98.8
	Annual Percentage Change									
Unit Labour Cost Index of Overall Economy	7.5	6.6	3.5	-0.9	2.4	2.8	2.5	0.8	2.5	-10.2
Unit Business Cost Index of Manufacturing	6.6	5.1	3.1	-0.6	-0.8	2.1	2.0	0.8	-1.6	-11.7
Unit Labour Cost	8.4	6.5	6.5	-2.5	-3.2	-1.5	2.2	0.9	-1.4	-18.0
Services Cost	4.1	2.5	-0.8	1.8	1.9	5.2	1.6	1.0	0.1	-3.9
Government Rates & Fees	16.8	16.1	6.5	-0.8	2.0	15.6	5.1	-1.9	-27.6	-29.1

Note: The UBC for 1988-1999 are based on the 1988 input structure.

Source: Singapore Department of Statistics

Tabelle 6: Changes in Productivity by Sector, 1990-1999

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999p
	Per Cent									
Total	4.1	1.9	3.2	9.2	6.6	2.8	1.2	2.2	-2.3	5.8
Total (excluding Construction)	4.2	2.0	2.5	10.7	7.0	3.7	2.6	3.8	-1.9	6.2
Goods Producing Industries	4.1	3.1	4.4	6.6	9.0	3.3	-0.8	0.6	-1.0	11.7
Manufacturing	4.6	3.5	2.8	11.6	11.3	6.5	2.9	5.5	1.4	17.7
Construction	2.6	4.8	14.5	-4.9	5.0	-3.5	-2.9	-4.0	-2.9	-5.4
Services Producing Industries	6.1	3.1	2.0	10.4	5.9	3.0	2.8	3.5	-3.3	1.6
Wholesale & Retail Trade	8.7	5.1	-0.8	18.6	10.0	6.2	3.2	3.9	-3.3	8.8
Hotels & Restaurants	-1.7	-2.7	6.0	6.4	0.8	3.5	2.9	1.9	-5.1	3.5
Transport & Communications	4.8	4.3	1.7	6.1	8.1	6.1	3.8	4.9	3.7	6.3
Financial Services	5.3	2.8	4.8	18.7	3.2	-4.0	1.2	9.0	-10.4	-1.1
Business Services	2.2	1.4	3.2	1.6	4.3	-0.9	0.2	-0.8	-2.7	-5.9
Other Services Industries	5.1	2.7	1.5	4.5	2.3	2.2	4.2	-0.1	-1.6	-1.0

Note: The industries are classified according to SSIC 1996.

Source: Singapore Department of Statistics and Manpower Research & Statistics Department, Ministry of Manpower

Tabelle 7: Consumer Price Index, 1994-1999

Section	Weights ¹	1994	1995	1996	1997	1998	1999	1996	1997	1998	1999
		October 1992 - September 1993 = 100						Annual Percentage Change			
ALL ITEMS	10,000	103.6	105.4	106.9	109.0	108.8	109.2	1.4	2.0	-0.3	0.4
Food excl Cooked Food	1,517	103.3	104.9	106.7	109.3	108.3	109.7	1.7	2.5	-0.9	1.3
Rice & Other Cereals	243	105.5	107.3	109.9	117.1	119.0	117.8	2.4	6.5	1.6	-1.0
Meat & Poultry	280	101.1	100.8	103.7	105.9	104.2	112.5	2.9	2.1	-1.6	8.0
Vegetables & Fruits	355	100.5	102.7	104.5	103.3	105.1	105.0	1.8	-1.2	1.7	-
Seafood	309	108.7	111.8	113.1	119.1	111.7	112.4	1.2	5.3	-6.2	0.6
Dairy Products & Eggs	127	100.6	100.9	103.6	104.6	103.8	102.6	2.6	1.0	-0.8	-1.1
Other Food	203	102.1	103.6	102.8	103.3	104.3	104.8	-0.8	0.4	1.0	0.5
Cooked Food	1,478	104.5	107.6	110.3	112.1	113.7	114.3	2.5	1.6	1.4	0.5
Clothing	606	102.6	104.1	104.6	105.3	103.8	104.4	0.5	0.7	-1.5	0.6
Housing	2,341	101.8	102.6	103.1	105.5	107.5	106.5	0.5	2.3	2.0	-0.9
Transport & Communications	1,583	107.8	108.5	108.9	113.1	106.7	106.3	0.4	3.9	-5.6	-0.4
Education	573	103.0	107.4	110.6	112.3	116.3	121.3	3.0	1.5	3.6	4.3
Health	280	104.2	105.8	108.3	112.2	117.3	118.4	2.3	3.7	4.5	0.9
Miscellaneous	1,622	102.3	104.8	106.8	106.9	106.2	106.9	1.8	0.2	-0.7	0.7

¹ The weights refer to the consumption pattern of 1992/93 and are used in the computation of the indices for the years 1994-1999.

Source: Singapore Department of Statistics

Tabelle 8: Domestic Supply Price Index, 1994-1999

Section	Weights ¹	1994	1995	1996	1997	1998	1999	1996	1997	1998	1999
		1990 = 100						Annual Percentage Change			
ALL ITEMS	10,000	87.3	87.4	87.4	86.5	83.8	86.2	0.1	-1.1	-3.1	2.9
Food	407	95.5	96.7	100.1	101.7	102.5	103.3	3.5	1.6	0.8	0.8
Beverages & Tobacco	102	113.6	113.5	114.1	115.8	121.7	122.8	0.5	1.5	5.1	0.9
Crude Materials	133	96.7	101.5	101.2	97.3	88.4	82.3	-0.3	-3.8	-9.1	-6.9
Mineral Fuels	2,119	66.6	68.2	76.5	77.1	58.7	76.7	12.3	0.7	-23.9	30.7
Animal & Vegetable Oils	71	138.2	152.4	133.9	139.4	172.8	135.5	-12.1	4.1	24.0	-21.6
Chemicals & Chemical Products	747	90.0	90.9	89.0	89.1	87.8	88.6	-2.1	0.1	-1.5	1.0
Manufactured Goods	1,457	93.5	96.9	94.8	92.9	93.1	89.5	-2.2	-2.0	0.2	-4.0
Machinery & Equipment	3,903	90.9	87.8	84.8	82.5	84.7	83.1	-3.4	-2.7	2.7	-1.9
Miscellaneous Manufactures	1,061	95.2	96.4	95.5	95.5	97.6	97.5	-0.9	-	2.2	-0.1

¹ The weights refer to 1990 distribution pattern of retained imports and locally manufactured goods sold in the domestic market and are used in the computation of the indices from 1990 onwards.

Source: Singapore Department of Statistics

Tabelle 9: Singapore's External Trade, 1980, 1990 and 1996-1999

	1980	1990	1996	1997	1998	1999	1979 - 1989	1997	1998	1999	
	Million Dollars						Annual Percentage Change				
TOTAL TRADE	At Current Prices										
	92,797	205,012	361,455	382,218	353,627	382,431	10.3	5.7	-7.5	8.1	
	Imports	51,345	109,806	185,183	196,605	169,863	188,142	9.7	6.2	-13.6	10.8
	Exports	41,452	95,206	176,272	185,613	183,763	194,290	10.9	5.3	-1.0	5.7
	Domestic Exports	25,805	62,754	103,589	107,535	105,918	116,325	11.7	3.8	-1.5	9.8
	Oil	14,180	17,137	16,551	15,911	13,473	15,143	3.9	-3.9	-15.3	12.4
	Non-oil	11,625	45,617	87,038	91,624	92,445	101,182	16.4	5.3	0.9	9.5
	Re-exports	15,647	32,452	72,683	78,077	77,846	77,965	9.6	7.4	-0.3	0.2
	Trade Balance	-9,893	-14,600	-8,911	-10,992	13,900	6,148	-	-	-	-
	At 1990 Prices										
	TOTAL TRADE	80,585	205,012	423,053	454,497	424,593	454,727	9.8	7.4	-6.6	7.1
Imports	46,513	109,806	208,757	225,676	197,358	215,371	8.8	8.1	-12.5	9.1	
Exports	34,072	95,206	214,296	228,821	227,235	239,356	11.2	6.8	-0.7	5.3	
Domestic Exports	20,174	62,754	133,799	140,352	140,568	151,326	11.9	4.9	0.2	7.7	
Oil	8,724	17,137	23,104	22,820	24,104	21,833	6.3	-1.2	5.6	-9.4	
Non-oil	11,450	45,617	110,694	117,532	116,464	129,493	15.5	6.2	-0.9	11.2	
Re-exports	13,898	32,452	80,497	88,469	86,667	88,030	9.8	9.9	-2.0	1.6	

Note: Figures in 1994 were slightly inflated due to improved coverage arising from the implementation of GST from 1 April 1994.

Source: Singapore Department of Statistics/
Singapore Trade Development Board

Tabelle 10: Total Trade by Selected Country, 1970, 1980, 1990 and 1997-1999

Country	1970	1980	1990	1997	1998	1999	1979 - 1989	1997	1998	1999
	Million Dollars						Annual Percentage Change			
TOTAL	12,289.6	92,797.1	205,012.0	382,217.7	353,626.8	382,431.2	10.3	5.7	-7.5	8.1
Asia	7,244.5	57,456.6	120,068.9	235,316.1	206,239.0	232,557.3	9.7	5.0	-12.4	12.8
Bahrain	66.9	735.7	523.7	245.0	260.8	312.8	-0.4	6.6	6.4	19.9
Bangladesh	na	576.7	797.2	896.6	1,204.4	1,189.3	9.0	-9.4	34.3	-1.3
Brunei Darussalam	79.9	1,016.0	1,211.4	2,337.2	1,320.9	1,079.5	2.3	-13.5	-43.5	-18.3
Cambodia	na	na	na	730.0	595.1	779.7	na	-8.3	-18.5	31.0
China, People's Republic of	454.9	1,990.0	5,216.8	14,484.2	14,916.9	16,291.6	16.1	31.2	3.0	9.2
Hong Kong, China	382.4	4,251.0	9,551.4	23,628.6	20,177.5	20,315.5	10.9	9.3	-14.6	0.7
India	99.7	1,208.1	2,666.9	4,845.8	5,085.4	5,495.7	13.0	11.3	4.9	8.1
Iran (Islamic Republic of)	180.9	674.6	1,058.2	1,071.2	988.5	1,475.6	4.4	58.4	-7.7	49.3
Iraq	9.6	589.6	78.0	-	-	-	-34.2	-	-	-
Japan	1,819.5	12,500.7	30,447.7	47,688.0	40,524.1	45,745.5	11.5	-0.8	-15.0	12.9
Korea, Republic of	74.4	1,206.6	5,326.0	11,539.3	9,378.6	13,090.7	17.4	-1.5	-18.7	39.6
Kuwait	368.9	3,026.3	940.1	1,870.2	1,259.0	1,973.2	-3.6	-7.1	-32.7	56.7
Laos, People's Democratic Republic	na	na	na	52.5	34.6	71.2	na	-16.5	-34.1	105.8
Malaysia	2,443.3	13,333.6	27,412.0	61,953.1	54,251.3	61,446.7	9.7	4.0	-12.4	13.3
Pakistan	79.1	534.2	655.1	495.1	588.4	655.1	1.1	3.1	18.8	11.3
Philippines	40.0	746.3	1,782.5	7,335.2	8,122.2	9,769.2	10.4	41.1	10.7	20.3
Saudi Arabia	91.6	7,236.9	6,362.1	8,529.5	6,132.3	6,082.5	0.8	12.6	-28.1	-0.8
Sri Lanka	25.7	371.8	460.3	660.6	956.0	852.5	4.8	6.9	44.7	-10.8
Taiwan	164.2	1,918.5	8,099.4	16,575.5	14,445.4	17,017.5	17.2	16.0	-12.9	17.8
Thailand	306.2	2,828.3	9,284.4	18,612.8	15,155.7	17,425.4	11.7	-7.5	-18.6	15.0
United Arab Emirates	7.3	1,090.6	3,485.6	3,823.4	3,475.9	3,536.1	16.5	-8.3	-9.1	1.7
Vietnam, Socialist Republic of	na	na	na	3,280.7	3,240.3	3,420.5	na	8.1	-1.2	5.6

Source: Singapore Department of Statistics/
Singapore Trade Development Board

Tabelle 11: Exports by Selected Country of Destination, 1970, 1980, 1990 and 1997-1999

Country	1970	1980	1990	1997	1998	1999	1979 - 1989	1997	1998	1999
	Million Dollars						Annual Percentage Change			
TOTAL	4,755.8	41,452.3	95,206.0	185,612.5	183,763.3	194,289.6	10.9	5.3	-1.0	5.7
Asia	2,551.0	22,997.9	50,517.6	111,045.3	101,177.4	112,034.9	10.5	3.9	-8.9	10.7
Bahrain	4.9	68.4	42.8	43.6	53.4	39.5	-5.5	9.6	22.5	-26.0
Bangladesh	na	533.9	713.8	825.2	1,128.7	1,089.4	8.0	-12.6	36.8	-3.5
Brunei Darussalam	78.0	591.8	977.6	2,066.6	1,028.3	818.1	7.1	-14.3	-50.2	-20.4
Cambodia	na	na	na	638.1	494.8	581.6	na	-12.5	-22.5	17.5
China, People's Republic of	69.4	657.9	1,443.4	6,037.6	6,794.3	6,642.7	20.2	26.2	12.5	-2.2
Hong Kong, China	193.9	3,195.9	6,186.1	17,848.4	15,418.3	14,915.2	10.2	13.8	-13.6	-3.3
India	30.6	961.7	1,990.1	3,297.5	4,073.0	4,243.3	14.0	12.7	23.5	4.2
Iran (Islamic Republic of)	10.0	200.9	216.1	197.8	152.9	243.4	11.0	19.6	-22.7	59.2
Iraq	8.6	131.8	7.3	-	-	-	-17.5	-	-	-
Japan	361.5	3,338.3	8,301.5	13,124.5	12,089.7	14,420.7	9.6	-9.2	-7.9	19.3
Korea, Republic of	34.7	621.9	2,108.1	5,483.0	4,291.1	6,027.3	12.9	2.4	-21.7	40.5
Kuwait	8.4	187.7	97.5	101.4	108.1	112.5	0.4	-0.3	6.6	4.1
Laos, People's Democratic Republic	na	na	na	51.3	33.5	56.9	na	-10.9	-34.7	69.9
Malaysia	1,039.7	6,218.0	12,448.5	32,404.8	27,998.9	32,163.7	10.4	2.1	-13.6	14.9
Pakistan	24.4	442.7	501.4	407.1	524.2	555.7	-1.1	7.1	28.8	6.0
Philippines	13.0	586.1	1,215.1	4,381.7	4,120.3	4,795.0	9.6	35.3	-6.0	16.4
Saudi Arabia	12.2	824.6	499.6	555.4	639.1	546.7	-3.8	3.7	15.1	-14.5
Sri Lanka	18.9	334.2	401.8	591.1	875.8	787.8	4.6	8.2	48.2	-10.0
Taiwan	37.5	702.2	3,421.8	8,367.5	7,928.7	9,477.3	19.3	21.8	-5.2	19.5
Thailand	156.8	1,809.3	6,310.3	8,532.4	7,037.2	8,535.9	13.8	-14.7	-17.5	21.3
United Arab Emirates	6.8	606.2	808.3	1,393.5	1,713.3	1,472.9	2.5	9.7	22.9	-14.0
Vietnam, Socialist Republic of	na	na	na	2,473.4	2,531.0	2,532.5	na	2.2	2.3	0.1

Source : Singapore Department of Statistics/
Singapore Trade Development Board

Tabelle 12: Business Expectations for the Manufacturing Sector, 1994-1999

In Percentage Terms							
Period	General Business Expectations (for Next 6 Months)	Numbers Employed	New Orders Received	Output	Deliveries Overseas	Stocks of Finished Goods	Average Selling Prices
1994 I	+33	+8	+38	+35	+40	+1	-11
II	+28	+15	+29	+33	+26	+2	-18
III	+15	+6	+14	+13	+12	-7	-7
IV	+19	+7	+21	+16	+16	-1	-15
1995 I	+32	+15	+33	+39	+38	+8	-17
II	+21	+12	+25	+24	+26	+7	-10
III	+19	+12	+18	+21	+22	+9	-9
IV	+19	+10	+22	+23	+21	+4	-17
1996 I	+23	+11	+34	+39	+30	+6	-22
II	+5	+7	+4	+1	+2	-10	-32
III	-2	-9	+5	+11	+4	-11	-28
IV	+13	+5	+6	+4	+1	-7	-33
1997 I	+27	+9	+29	+32	+29	+2	-12
II	+17	+5	+13	+11	+13	-	-27
III	+21	+6	+16	+19	+19	-5	-14
IV	-13	-2	-10	-13	-7	-9	-35
1998 I	+2	-1	+8	+7	+6	-15	-33
II	-22	-11	-20	-14	-10	-24	-36
III	-23	-9	-18	-3	-5	-14	-41
IV	-4	-9	-14	-13	-17	-19	-25
1999 I	+14	+4	+23	+22	+25	-9	-23
II	+21	+6	+17	+13	+15	+3	-23
III	+13	+8	+20	+13	+12	-6	-21
IV	+16	-7	-5	-	-	-6	-21

Note: A plus sign indicates a positive balance or net upward trend and a minus sign denotes a negative balance or net downward trend.

Source: Economic Development Board

Tabelle 13: Principal Statistics of Manufacturing, 1970, 1980, 1990 and 1997-1999

	Unit	1970	1980	1990	1997	1998	1999p	1979 - 1989	1997	1998	1999
		Annual Percentage Change									
Establishments	Number	1,747	3,355	3,703	4,108	4,004	4,036	1.6	1.0	-2.5	0.8
Employment	Number	120,509	285,250	351,674	366,696	352,289	340,907	2.3	-0.4	-3.9	-3.2
Output	\$ Million	3,891	31,658	71,333	126,531	121,433	134,533	9.7	5.6	-4.0	10.8
Materials	\$ Million	2,668	21,415	45,396	79,603	74,427	82,851	8.7	4.7	-6.5	11.3
Remuneration	\$ Million	398	2,527	6,877	11,926	11,768	11,152	11.1	6.0	-1.3	-5.2
Census Value Added	\$ Million	1,094	8,522	21,607	38,688	38,783	45,081	11.9	4.9	0.2	16.2
Value Added	\$ Million	na	6,898	16,502	29,654	29,627	34,796	na	5.1	-0.1	17.4
Direct Exports	\$ Million	1,523	19,173	47,000	76,450	75,530	85,395	10.1	4.8	-1.2	13.1

Note: Refers to establishments engaging 10 or more persons and excludes rubber processing.

Source: Singapore Department of Statistics and Economic Development Board

Tabelle 14: Principal Statistics of Manufacturing by Major Industry Group, 1998

Industry	Establishments		Employment		Remuneration		Output		Census Value Added		Value Added		Remuneration Per Worker	Census Value Added Per Worker	Value Added Per Worker
	No.	%	No.	%	\$ M	%	\$ M	%	\$ M	%	\$ M	%	\$'000		
Electronic Products	225	5.6	111,624	31.7	3,588.8	30.5	60,848.8	50.1	16,305.6	42.0	12,535.1	42.3	32.2	146.1	112.3
Chemicals & Chemical Products	210	5.2	15,163	4.3	924.0	7.9	10,156.6	8.4	4,838.8	12.5	3,875.9	13.1	60.9	319.1	255.6
Transport Equipment	308	7.7	37,118	10.5	1,251.8	10.6	5,813.5	4.8	2,723.7	7.0	2,030.4	6.9	33.7	73.4	54.7
Fabricated Metal Products	631	15.8	37,107	10.5	1,059.6	9.0	6,368.5	5.2	2,229.9	5.7	1,737.6	5.9	28.6	60.1	46.8
Machinery & Equipment	595	14.9	37,376	10.6	1,256.9	10.7	6,224.2	5.1	2,589.0	6.7	1,839.6	6.2	33.6	69.3	49.2
Petroleum Products	18	0.4	3,306	0.9	321.9	2.7	12,751.9	10.5	1,909.5	4.9	1,508.1	5.1	97.4	577.6	456.2
Printing & Publishing	397	9.9	19,114	5.4	707.2	6.0	2,687.9	2.2	1,646.4	4.2	1,279.6	4.3	37.0	86.1	66.9
Instrumentation Equipment	63	1.6	8,993	2.6	302.6	2.6	2,109.1	1.7	1,114.8	2.9	883.9	3.0	33.6	124.0	98.3
Food, Beverage & Tobacco	320	8.0	14,913	4.2	460.7	3.9	3,474.4	2.9	1,356.6	3.5	862.4	2.9	30.9	91.0	57.8
Rubber & Plastic Products	339	8.5	20,064	5.7	527.9	4.5	2,428.4	2.0	996.9	2.6	770.4	2.6	26.3	49.7	38.4
Other Products	898	22.4	47,511	13.5	1,366.7	11.6	8,569.8	7.1	3,071.7	7.9	2,304.0	7.8	28.8	64.7	48.5
TOTAL MANUFACTURING	4,004	100.0	352,289	100.0	11,768.1	100.0	121,433.1	100.0	38,782.9	100.0	29,627.0	100.0	33.4	110.1	84.1

Note: Refers to establishments engaging 10 or more persons and excludes rubber processing.

Source: Economic Development Board

Tabelle 15: Principal Statistics of Manufacturing by Major Industry Group, 1999

Industry	Establishments		Employment		Remuneration		Output		Census Value Added		Value Added		Remuneration Per Worker	Census Value Added Per Worker	Value Added Per Worker
	No.	%	No.	%	\$ M	%	\$ M	%	\$ M	%	\$ M	%	\$'000		
Electronic Products	225	5.6	109,008	32.0	3,443.4	30.9	70,140.4	52.1	19,729.8	43.8	15,086.0	43.4	31.6	181.0	138.4
Chemicals & Chemical Products	220	5.5	15,242	4.5	954.2	8.6	13,684.1	10.2	7,506.4	16.7	6,294.1	18.1	62.6	492.5	412.9
Transport Equipment	313	7.8	36,413	10.7	1,241.7	11.1	5,772.8	4.3	2,647.4	5.9	1,979.6	5.7	34.1	72.7	54.4
Fabricated Metal Products	635	15.7	36,071	10.6	976.9	8.8	6,253.9	4.6	2,245.9	5.0	1,751.8	5.0	27.1	62.3	48.6
Machinery & Equipment	603	14.9	34,613	10.2	1,149.8	10.3	5,652.8	4.2	2,424.8	5.4	1,727.8	5.0	33.2	70.1	49.9
Petroleum Products	18	0.4	3,155	0.9	294.6	2.6	13,621.6	10.1	1,939.3	4.3	1,531.6	4.4	93.4	614.7	485.5
Printing & Publishing	400	9.9	19,439	5.7	671.9	6.0	2,997.0	2.2	1,814.3	4.0	1,402.4	4.0	34.6	93.3	72.1
Instrumentation Equipment	65	1.6	9,078	2.7	278.3	2.5	2,392.0	1.8	1,344.8	3.0	1,073.4	3.1	30.7	148.1	118.2
Food, Beverage & Tobacco	322	8.0	14,416	4.2	396.4	3.6	3,407.2	2.5	1,354.9	3.0	860.5	2.5	27.5	94.0	59.7
Rubber & Plastic Products	341	8.4	19,783	5.8	495.7	4.4	2,724.9	2.0	1,081.6	2.4	836.9	2.4	25.1	54.7	42.3
Other Products	894	22.2	43,689	12.8	1,248.9	11.2	7,886.6	5.9	2,991.9	6.6	2,251.9	6.5	28.6	68.5	51.5
TOTAL MANUFACTURING	4,036	100.0	340,907	100.0	11,151.8	100.0	134,533.3	100.0	45,081.1	100.0	34,796.0	100.0	32.7	132.2	102.1

Note: Refers to establishments engaging 10 or more persons and excludes rubber processing.

Source: Economic Development Board

Tabelle 16: Net Investment Commitments in Manufacturing by Industry, 1995-1999

Industry	1995	1996	1997	1998	1999	1995	1996	1997	1998	1999
	Million Dollars					Per Cent				
Food, Beverage & Tobacco	92.5	201.4	142.5	130.8	253.5	1.4	2.5	1.7	1.7	3.2
Textiles	3.3	2.2	-	10.2	-	-	-	-	0.1	-
Wearing Apparel except Footwear	-	10.1	0.4	-	-	-	0.1	-	-	-
Leather & Footwear	0.4	-	-	-	-	-	-	-	-	-
Wood & Wood Products	-	-	-	19.4	-	-	-	-	0.2	-
Paper & Paper Products	18.5	2.8	3.0	35.7	2.5	0.3	-	-	0.5	-
Printing & Publishing	132.5	319.7	163.2	61.0	75.6	1.9	4.0	1.9	0.8	0.9
Petroleum & Petroleum Products	1,186.4	108.3	581.3	26.5	6.0	17.4	1.3	6.8	0.3	0.1
Chemical & Chemical Products	1,583.9	2,754.8	2,239.6	2,913.7	2,639.5	23.3	34.1	26.4	37.2	32.8
Rubber & Plastic Products	54.8	102.9	110.2	164.2	84.6	0.8	1.3	1.3	2.1	1.1
Non-metallic Mineral Products	43.1	84.5	85.7	32.2	39.6	0.6	1.0	1.0	0.4	0.5
Basic Metals	63.8	9.5	112.0	10.1	14.4	0.9	0.1	1.3	0.1	0.2
Fabricated Metal Products	278.5	350.5	366.6	347.3	299.6	4.1	4.3	4.3	4.4	3.7
Machinery & Equipment	330.9	306.3	323.7	445.5	486.8	4.9	3.8	3.8	5.7	6.1
Electrical Machinery & Apparatus	112.6	5.3	124.4	165.6	112.7	1.7	0.1	1.5	2.1	1.4
Electronic Products & Components	2,551.3	3,477.6	3,805.8	3,047.9	3,290.7	37.5	43.0	44.8	38.9	40.9
Instrumentation Equipment	49.5	82.6	70.1	44.2	372.7	0.7	1.0	0.8	0.6	4.6
Transport Equipment	296.5	250.5	359.9	357.4	317.3	4.4	3.1	4.2	4.6	3.9
Furniture & Other Manufacturing	10.7	16.2	-	17.7	41.9	0.2	0.2	-	0.2	0.5
TOTAL	6,809.1	8,085.1	8,488.4	7,829.4	8,037.4	100.0	100.0	100.0	100.0	100.0
FOREIGN	4,852.4	5,791.8	5,963.8	5,213.5	6,257.1	71.3	71.6	70.3	66.6	77.8
LOCAL	1,956.7	2,293.3	2,524.6	2,615.9	1,780.3	28.7	28.4	29.7	33.4	22.2

Note: Net investment commitments refer to gross commitments less projects withdrawn or uncertain as at 31 December 1999.

Source: Economic Development Board

Tabelle 17: Net Investment Commitments in Manufacturing by Country of Origin, 1992-1999

Million Dollars								
Country	1992	1993	1994	1995	1996	1997	1998	1999
United States	1,201.4	1,452.2	2,451.7	2,075.8	2,336.0	2,422.6	2,293.0	3,586.6
JAPAN	858.0	779.4	913.8	1,152.5	1,962.0	2,032.0	1,822.2	1,179.9
EUROPE, of which	618.7	881.9	907.0	1,526.3	1,389.1	1,423.7	1,040.0	1,138.8
EU*	555.7	806.2	893.0	1,510.8	1,320.5	1,398.4	880.8	1,099.8
Switzerland	63.1	66.3	11.4	13.2	60.1	25.2	153.8	26.4
Other European Countries	-	9.5	2.7	2.2	8.5	-	5.3	12.6
OTHERS	55.0	63.5	54.9	97.8	104.8	85.5	58.4	351.8
TOTAL FOREIGN	2,733.0	3,177.1	4,327.4	4,852.4	5,791.8	5,963.8	5,213.5	6,257.1
TOTAL LOCAL	748.0	745.5	1,437.2	1,956.7	2,293.3	2,524.6	2,615.9	1,780.3
TOTAL FOREIGN + LOCAL	3,481.0	3,922.6	5,764.6	6,809.1	8,085.1	8,488.4	7,829.4	8,037.4
*EU, of which	555.7	806.2	893.0	1,510.8	1,320.5	1,398.4	880.8	1,099.8
United Kingdom	305.5	357.8	525.1	771.6	397.6	445.1	8.5	91.7
Netherlands	43.1	7.7	175.6	391.4	517.8	384.7	44.0	187.0
Germany	106.4	204.6	91.8	183.9	246.4	121.3	522.7	630.7
France	34.1	124.9	54.0	140.5	59.1	271.5	138.4	96.1
Italy	26.7	43.3	38.9	12.8	53.9	175.0	89.9	84.8
Sweden	19.3	5.0	-	-	-	-	24.3	8.4
Other EU Countries	20.6	62.9	7.6	10.6	45.7	0.8	53.0	1.1

Note: The European Union (EU) comprises Austria, Belgium, Denmark, Finland, France, Germany, Greece, Ireland, Italy, Luxembourg, Netherlands, Portugal, Spain, Sweden and the United Kingdom.

Source: Economic Development Board

Tabelle 18: Exchange Rates, 1990-1999

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Singapore Dollar Per										
Malaysian Ringgit	0.6702	0.6283	0.6398	0.6277	0.5823	0.5651	0.5605	0.5353	0.4271	0.4460
US Dollar	1.8125	1.7276	1.6290	1.6158	1.5274	1.4174	1.4101	1.4848	1.6736	1.6949
Euro	na	na	na	na	na	na	na	na	na	1.8093
Pound Sterling	3.2262	3.0559	2.8762	2.4271	2.3377	2.2369	2.2017	2.4334	2.7722	2.7427
Deutschemark	1.1223	1.0449	1.0451	0.9781	0.9423	0.9900	0.9377	0.8569	0.9522	0.9252
French Franc	0.3331	0.3073	0.3083	0.2858	0.2754	0.2843	0.2758	0.2546	0.2841	0.2758
100 Japanese Yen	1.2548	1.2843	1.2869	1.4568	1.4951	1.5153	1.2971	1.2277	1.2823	1.4944
100 Korean Won	0.2563	0.2357	0.2087	0.2014	0.1900	0.1838	0.1754	0.1587	0.1204	0.1426
100 New Taiwan Dollar	6.7432	6.4415	6.4724	6.1279	5.7724	5.3382	5.1354	5.1752	5.0004	5.2544
Hong Kong Dollar	0.2327	0.2223	0.2104	0.2089	0.1976	0.1832	0.1823	0.1918	0.2160	0.2184
Australian Dollar	1.4157	1.3454	1.1978	1.0983	1.1166	1.0510	1.1040	1.1024	1.0518	1.0933

Source: Monetary Authority of Singapore