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YEARBOOK OF STATISTICS SINGAPORE 1993

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DEPARTMENT OF STATISTICS
SINGAPORE

PREFACE



The Yearbook of Statistics, Singapore, 1993 is the twenty-seventh edition published by the Department of Statistics. This Yearbook puts together important statistical series on the demographic, economic and social characteristics of Singapore and relevant statistical charts highlighting socio-economic trends. Annual series for eleven years are included wherever available to facilitate time series analysis.

The Department regularly reviews and updates the contents of the Yearbook to keep pace with the latest developments in Singapore. Details of the changes in this edition are given in the Notes on Changes and Revisions in pages xiv and xv. Brief notes on coverage, definitions and data sources are given in each section. A 'Feedback' page is enclosed at the end of this publication and we would appreciate readers' response to help us further improve the Yearbook.

Most of the data are compiled from series maintained by the Department of Statistics and other government departments and statutory bodies. The Department of Statistics gratefully acknowledges the cooperation and assistance of all the organisations that have provided data for publication in this Yearbook.

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NOTATIONS

p preliminary
na not available

nec not elsewhere classified
- nil or negligible

NOTES ON CHANGES AND REVISIONS

From time to time, changes are made to the Yearbook of Statistics to maintain its currency and relevance. Such changes include addition of new series and replacement of existing series as a result of revision necessitated by changed circumstances. In this edition, the following changes are made:

New Tables

The following three tables are included :-

Table 9.7 **New Companies Formed by Industry, 1983-1993**

Table 19.11 **The Arts, 1987-1993**

Table 20.2 **Selected Criminal Offences, 1983-1993.**

Replacement of Existing Series

In Table 2.6 **Age Specific and Total Fertility Rates, Gross and Net Reproduction Rates, 1983-1993**, the rates have been re-computed based on resident live-births per 1,000 resident females. Resident live-births are those with at least one parent who is a Singapore citizen or permanent resident. Previously, not all resident births were included.

Table 6.9 **Quarterly Index of Industrial Production, 1992 and 1993** and Table 6.10 **Annual Index of Industrial Production, 1986-1993** using 1992 as base year replace the previous series with 1989 as base year.

Table 6.15 **Indices of Unit Business Cost and Unit Labour Cost, 1983-1993** includes two new items on 'Services Cost' and 'Government Rates & Fees'.

NOTES ON CHANGES AND REVISIONS (continued)

Replacement of Existing Series (continued)

The following four tables using 1990 as base year replace the previous series with 1985 as base year :-

Table 14.4 Domestic Supply Price Index, 1987-1993

Table 14.5 Singapore Manufactured Products Price Index, 1987-1993

Table 14.6 Import Price Index, 1987-1993

Table 14.7 Export Price Index, 1987-1993.

Other Changes

In Table 3.13 and Table 3.16, **Age Groups for Central Provident Fund Contributors and Members** have been re-classified.

ECONOMIC INDICATORS I, 1983-1993

Year	National Income									Manufacturing		
	Gross National Product	Per Capita Indigenous Gross National Product	Gross National Saving	Gross Capital Formation	Gross Domestic Product	Gross Fixed Capital Formation	Consumption Expenditure			Net Investment Commitments	Output ²	Index of Industrial Production ² (1992 = 100)
							Total	Public	Private			
	At Current Market Prices					At 1985 Market Prices						
	\$ Million	\$	\$ Million									
1983	36,561.1	12,533	16,306.1	17,595.8	36,537.2	17,067.7	21,088.0	4,235.9	16,852.1	1,775.8 ¹	37,888.3	50.2
1984	40,815.1	13,599	18,596.4	19,417.3	39,572.5	18,677.4	22,168.8	4,457.2	17,711.6	1,828.4	41,704.1	54.7
1985	40,330.4	13,044	16,543.4	16,551.2	38,923.5	16,424.8	23,101.4	5,548.5	17,552.9	1,120.4	38,817.8	50.7
1986	39,612.5	12,824	15,588.5	14,894.8	39,641.4	14,540.2	23,894.5	5,606.8	18,287.7	1,450.0	37,502.9	55.1
1987	42,207.1	13,733	16,304.8	16,636.6	43,371.8	15,028.0	25,706.4	5,653.9	20,052.5	1,743.0	46,337.7	64.7
1988	49,862.0	15,424	20,224.0	18,435.0	48,203.4	16,259.6	28,096.9	5,339.1	22,757.8	2,007.4	56,804.5	76.5
1989	57,906.5	17,535	25,805.0	20,373.6	52,657.4	18,503.4	30,290.8	5,621.4	24,669.4	1,958.7	63,924.1	84.2
1990	66,698.0	20,090	29,939.2	26,143.3	57,271.9	21,004.5	32,806.9	6,281.7	26,525.2	2,487.4	71,578.5	92.6
1991	73,943.4	21,620	34,642.0	27,745.3	61,081.0	24,095.8	34,736.0	6,805.0	27,931.0	2,934.0	74,794.4	97.6
1992	80,455.5	22,839	38,089.5	31,983.6	64,771.0	26,532.5	36,189.8	6,880.1	29,309.7	3,481.0	77,476.8	100.0
1993 ^p	90,232.4	24,871	42,274.4	38,981.1	71,211.9	30,553.1	39,651.9	7,665.4	31,986.5	3,893.3	87,369.2	109.8

1 Exclude petrochemicals.

2 Refer to establishments engaging 10 or more workers.

GROWTH RATES IN ECONOMIC INDICATORS I, 1983-1993 (continued)

Per Cent

	National Income									Manufacturing		
Year	Gross National Product	Per Capita Indigenous Gross National Product	Gross National Saving	Gross Capital Formation	Gross Domestic Product	Gross Fixed Capital Formation	Consumption Expenditure			Net Investment Commitments	Output	Index of Industrial Production (1992 = 100)
							Total	Public	Private			
	At Current Market Prices						At 1985 Market Prices					
1983	15.1	13.1	26.5	12.4	8.2	10.8	5.7	9.6	4.8	4.2	2.0	2.2
1984	11.6	8.5	14.0	10.4	8.3	9.4	5.1	5.2	5.1	3.0	10.1	8.9
1985	-1.2	-4.1	-11.0	-14.8	-1.6	-12.1	4.2	24.5	-0.9	-38.7	-6.9	-7.3
1986	-1.8	-1.7	-5.8	-10.0	1.8	-11.5	3.4	1.1	4.2	29.4	-3.4	8.7
1987	6.5	7.1	4.6	11.7	9.4	3.4	7.6	0.8	9.7	20.2	23.6	17.5
1988	18.1	12.3	24.0	10.8	11.1	8.2	9.3	-5.6	13.5	15.2	22.6	18.3
1989	16.1	13.7	27.6	10.5	9.2	13.8	7.8	5.3	8.4	-2.4	12.5	10.1
1990	15.2	14.6	16.0	28.3	8.8	13.5	8.3	11.7	7.5	27.0	12.0	9.9
1991	10.9	7.6	15.7	6.1	6.7	14.7	5.9	8.3	5.3	18.0	4.5	5.4
1992	8.8	5.6	10.0	15.3	6.0	10.1	4.2	1.1	4.9	18.6	3.6	2.5
1993 ^p	12.2	8.9	11.0	21.9	9.9	15.2	9.6	11.4	9.1	11.8	12.8	9.8

ECONOMIC INDICATORS II, 1983-1993

Year	Building & Construction				External Trade								
	Gross Floor Area				Total	Exports							Imports
	Planning Approval	Building Plan Approval ¹	Building Commence-ment	Building Completed		Total	Domestic Exports			Re-exports			
							Total	Oil	Non-oil	Total	Oil	Non-oil	
	Thousand Square Metres				Million Dollars								
1983	11,669.0	5,538.6	12,454.5	6,725.1	105,659.1	46,154.9	29,206.4	15,233.6	13,972.8	16,948.5	776.7	16,171.8	59,504.2
1984	8,932.8	2,822.2	8,112.0	14,989.5	112,473.6	51,340.0	33,051.2	15,743.8	17,307.4	18,288.8	435.5	17,853.3	61,133.6
1985	7,769.0	1,958.7	6,141.2	11,423.9	107,996.3	50,178.8	32,575.5	15,840.1	16,735.4	17,603.3	612.1	16,991.2	57,817.5
1986	8,615.9	889.1	5,428.1	9,040.9	104,530.9	48,985.5	32,062.4	11,980.3	20,082.1	16,923.1	380.9	16,542.2	55,545.4
1987	7,517.1	1,178.7	4,309.9	7,160.0	128,680.9	60,265.7	39,070.6	11,753.5	27,317.1	21,195.1	444.5	20,750.6	68,415.2
1988	5,078.6	1,900.9	4,278.2	6,382.7	167,278.0	79,051.3	49,555.2	11,341.0	38,214.2	29,496.1	1,011.8	28,484.3	88,226.7
1989	5,234.5	2,832.9	6,635.3	4,167.9	183,980.2	87,116.5	55,251.7	13,223.9	42,027.8	31,864.8	219.1	31,645.7	96,863.7
1990	6,876.3	2,836.9	7,496.9	4,897.2	205,011.9	95,206.0	62,754.1	17,136.6	45,617.5	32,451.9	158.5	32,293.4	109,805.9
1991	7,700.8	3,967.6	8,714.3	4,597.6	216,074.4	101,879.5	66,031.1	17,201.8	48,829.3	35,848.4	169.2	35,679.2	114,194.9
1992	10,181.2	3,270.0	9,477.5	7,024.7	220,880.7	103,351.0	66,336.8	13,408.8	52,928.0	37,014.2	101.0	36,913.2	117,529.7
1993	8,575.4 ^P	3,580.0 ^P	9,469.7 ^P	6,852.0 ^P	257,076.2	119,473.4	75,394.0	14,556.6	60,837.4	44,079.4	55.1	44,024.3	137,602.8

¹ Refer to private sector only.

GROWTH RATES IN ECONOMIC INDICATORS II, 1983-1993 (continued)

Per Cent

	Building & Construction				External Trade								
Year	Gross Floor Area				Total	Exports							Imports
	Planning Approval	Building Plan Approval	Building Commence-ment	Building Completed		Total	Domestic Exports			Re-exports			
							Total	Oil	Non-oil	Total	Oil	Non-oil	
1983	-3.2	62.6	0.1	9.8	0.9	3.8	0.2	-11.2	16.5	10.7	0.9	11.2	-1.2
1984	-23.4	-49.0	-34.9	122.9	6.4	11.2	13.2	3.3	23.9	7.9	-43.9	10.4	2.7
1985	-13.0	-30.6	-24.3	-23.8	-4.0	-2.3	-1.4	0.6	-3.3	-3.7	40.6	-4.8	-5.4
1986	10.9	-54.6	-11.6	-20.9	-3.2	-2.4	-1.6	-24.4	20.0	-3.9	-37.8	-2.6	-3.9
1987	-12.8	32.6	-20.6	-20.8	23.1	23.0	21.9	-1.9	36.0	25.2	16.7	25.4	23.2
1988	-32.4	61.3	-0.7	-10.9	30.0	31.2	26.8	-3.5	39.9	39.2	127.6	37.3	29.0
1989	3.1	49.0	55.1	-34.7	10.0	10.2	11.5	16.6	10.0	8.0	-78.3	11.1	9.8
1990	31.4	0.1	13.0	17.5	11.4	9.3	13.6	29.6	8.5	1.8	-27.7	2.0	13.4
1991	12.0	39.9	16.2	-6.1	5.4	7.0	5.2	0.4	7.0	10.5	6.8	10.5	4.0
1992	32.2	-17.6	8.8	52.8	2.2	1.4	0.5	-22.1	8.4	3.3	-40.3	3.5	2.9
1993	-15.8 ^P	9.5 ^P	-0.1 ^P	-2.5 ^P	16.4	15.6	13.7	8.6	14.9	19.1	-45.4	19.3	17.1

ECONOMIC INDICATORS III, 1983-1993

Year	Transport & Communications								Utilities		
	Sea Cargo Handled			Air Cargo Handled ¹			Outgoing Telex Calls	Inter- national Telephone Calls ²	Electricity Generation	Gas Production	Water Consumption
	Total	Inward	Outward	Total	Discharged	Loaded					
	Thousand Freight Tonnes	Tonnes			Thousand		Million Kilowatt Hours		Million Cubic Metres		
1983	106,348.4	65,882.6	40,465.8	257,556	143,835	113,721	13,893	9,673	8,665.1	605.4	307.3
1984	111,897.3	67,411.0	44,486.3	294,436	161,868	132,568	15,668	12,643	9,451.8	609.4	317.9
1985	105,835.8	62,086.2	43,749.6	299,042	167,037	132,005	16,243	15,725	9,917.0	569.9	322.7
1986	120,715.9	69,756.8	50,959.1	352,083	192,356	159,727	16,496	21,611	10,576.5	577.3	324.7
1987	129,458.3	75,779.7	53,678.6	418,253	221,798	196,455	16,026	30,797	11,813.8	623.5	334.7
1988	154,738.8	90,648.7	64,090.1	511,541	263,248	248,293	13,633	43,672	13,017.5	681.1	344.1
1989	174,297.8	98,367.0	75,930.8	577,549	297,180	280,369	11,419	58,653	14,039.0	722.4	355.6
1990	187,789.3	106,222.5	81,566.8	623,841	324,157	299,684	9,534	73,888	15,617.6	807.1	374.2
1991	206,429.0	116,525.1	89,903.9	643,209	342,261	300,948	7,808	88,438	16,596.6	883.7	399.0
1992	238,445.9	136,468.2	101,977.7	719,005	386,793	332,212	6,270	105,246	17,543.3	943.3	419.6
1993	273,700.0 ^P	158,900.0 ^P	114,800.0 ^P	838,416	444,019	394,397	5,178	123,368	18,962.4	1,016.8	433.9

¹ Refer to Changi Airport only.

² Exclude calls to Peninsular Malaysia.

GROWTH RATES IN ECONOMIC INDICATORS III, 1983-1993 (continued)

Per Cent

Year	Transport & Communications							Utilities			
	Sea Cargo Handled			Air Cargo Handled			Outgoing Telex Calls	Inter- national Telephone Calls	Electricity Generation	Gas Production	Water Consumption
	Total	Inward	Outward	Total	Discharged	Loaded					
1983	4.8	7.4	0.8	18.7	19.9	17.2	15.4	36.4	9.9	-3.1	6.5
1984	5.2	2.3	9.9	14.3	12.5	16.6	12.8	30.7	9.1	0.7	3.4
1985	-5.4	-7.9	-1.7	1.6	3.2	-0.4	3.7	24.4	4.9	-6.5	1.5
1986	14.1	12.4	16.5	17.7	15.2	21.0	1.6	37.4	6.7	1.3	0.6
1987	7.2	8.6	5.3	18.8	15.3	23.0	-2.8	42.5	11.7	8.0	3.1
1988	19.5	19.6	19.4	22.3	18.7	26.4	-14.9	41.8	10.2	9.2	2.8
1989	12.6	8.5	18.5	12.9	12.9	12.9	-16.2	34.3	7.8	6.1	3.3
1990	7.7	8.0	7.4	8.0	9.1	6.9	-16.5	26.0	11.2	11.7	5.2
1991	9.9	9.7	10.2	3.1	5.6	0.4	-18.1	19.7	6.3	9.5	6.6
1992	15.5	17.1	13.4	11.8	13.0	10.4	-19.7	19.0	5.7	6.7	5.2
1993	14.8 ^P	16.4 ^P	12.6 ^P	16.6	14.8	18.7	-17.4	17.2	8.1	7.8	3.4

ECONOMIC INDICATORS IV, 1983-1993

End of Year	Exchange Rate of S\$ Per US\$ (Average)	Money Supply (M1)	Official Foreign Reserves		Commercial Banks					Asian Currency Units	Merchant Banks
			Total	Ratio to Imports	Total Assets/Liabilities	Deposits of Non-bank Customers	Advances to Non-bank Customers ¹	Prime Lending Rate	12-month Deposit Rate	Total Assets/Liabilities	
			\$ Million	Months	\$ Million			Per Cent		US\$ Million	\$ Million
1983	2.1136	8,607.7	19,755.3	3.98	56,537.8	26,265.5	34,045.8	8.98	6.75	111,860.9	23,625.0
1984	2.1331	8,866.3	22,768.0	4.47	65,707.2	28,026.3	36,867.5	9.40	6.80	128,054.7	25,844.9
1985	2.2002	8,785.0	27,070.9	5.62	70,618.0	28,744.5	37,403.1	7.20	4.88	155,374.2	28,207.0
1986	2.1774	9,821.3	28,157.5	6.08	76,833.3	30,612.6	35,792.8	6.10	3.30	200,601.8	31,581.4
1987	2.1060	11,030.5	30,441.7	5.34	86,483.6	36,393.0	37,868.6	6.10	3.56	244,868.5	32,119.5
1988	2.0124	11,957.7	33,276.6	4.53	96,441.2	42,475.3	41,848.8	6.13	4.03	280,477.2	36,925.1
1989	1.9503	13,744.6	38,607.2	4.78	127,201.7	53,351.1	50,785.9	6.25	4.55	336,581.8	34,048.0
1990	1.8125	15,260.9	48,521.3	5.30	134,002.0	63,979.7	57,696.4	7.73	5.48	390,395.5	32,336.0
1991	1.7276	16,430.0	55,802.8	5.86	136,093.4	72,241.1	64,009.1	7.10	4.17	357,725.0	30,022.5
1992	1.6290	18,515.6	65,788.4	6.72	153,302.4	78,483.2	69,138.9	5.55	2.97	355,378.6	36,786.7
1993	1.6158	22,882.2	77,866.8	6.79	170,250.4	85,400.8	78,454.3	5.34	2.79	386,103.0	42,205.3

¹ Include bills financing.

GROWTH RATES IN ECONOMIC INDICATORS IV, 1983-1993 (continued)

Per Cent

End of Year	Exchange Rate of S\$ Per US\$ (Average)	Money Supply (M1)	Official Foreign Reserves	Commercial Banks					Asian Currency Units	Merchant Banks
				Total Assets/Liabilities	Deposits of Non-bank Customers	Advances to Non-bank Customers	Prime Lending Rate	12-month Deposit Rate		
1983	-1.2	5.5	10.3	16.5	12.2	15.6	-3.8	-4.7	8.3	7.3
1984	0.9	3.0	15.3	16.2	6.7	8.3	4.7	0.7	14.5	9.4
1985	3.1	-0.9	18.9	7.5	2.6	1.5	-23.4	-28.2	21.3	9.1
1986	-1.0	11.8	4.0	8.8	6.5	-4.3	-15.3	-32.4	29.1	12.0
1987	-3.3	12.3	8.1	12.6	18.9	5.8	-	7.9	22.1	1.7
1988	-4.4	8.4	9.3	11.5	16.7	10.5	0.5	13.2	14.5	15.0
1989	-3.1	14.9	16.0	31.9	25.6	21.4	2.0	12.9	20.0	-7.8
1990	-7.1	11.0	25.7	5.3	19.9	13.6	23.7	20.4	16.0	-5.0
1991	-4.7	7.7	15.0	1.6	12.9	10.9	-8.2	-23.9	-8.4	-7.2
1992	-5.7	12.7	17.9	12.6	8.6	8.0	-21.8	-28.8	-0.7	22.5
1993	-0.8	23.6	18.4	11.1	8.8	13.5	-3.8	-6.1	8.6	14.7

ECONOMIC INDICATORS V, 1983-1993

Year	Finance Companies ¹				POSBank ¹	CPF ¹	Stock Exchange		Insurance Companies			
	Deposits from Individuals & Institutions	Loans for		Total Deposit Base	Amount Due to Members	Turnover of Stocks & Shares		Life Insurance		General Insurance		
		Hire Purchase of Motor Vehicles	Housing			Value	Volume	Policies in Force ¹		Net Premiums ²	Net Claims ³	
								Number	Amount Insured			
	Million Dollars							Million Units	Number	Million Dollars		
1983	4,564.1	608.7	1,165.8	6,240.9	19,504.7	11,807.1	3,605.2	359,902	13,810.3	441.0	186.7	
1984	5,278.3	565.8	1,348.9	7,333.1	22,670.4	8,211.2	3,042.6	379,880	16,421.8	440.9	195.4	
1985	5,014.0	414.3	1,386.5	9,192.6	26,829.5	6,319.3	3,024.7	405,452	19,466.9	433.6	220.6	
1986	4,889.1	288.9	1,445.1	10,637.5	28,341.4	8,000.5	3,951.4	463,139	23,439.8	421.4	230.1	
1987	5,362.9	359.9	1,544.6	11,281.1	30,607.8	22,478.2	9,757.9	565,032	28,612.3	442.9	218.1	
1988	5,824.9	754.9	1,506.7	12,261.7	32,529.3	12,817.0	7,152.3	702,986	38,472.5	508.6	225.2	
1989	7,384.4	1,337.5	1,683.4	13,210.1	36,051.6	39,149.9	21,646.0	870,304	48,676.9	588.8	258.7	
1990	8,397.2	1,503.1	1,606.2	13,387.6	40,646.4	36,756.0	18,487.0	1,055,353	59,455.1	692.7	302.7	
1991	8,972.1	1,674.7	1,523.9	15,645.5	46,049.0	30,549.1	15,556.9	1,262,731	73,255.7	750.2	360.9	
1992	9,550.9	2,238.9	1,473.5	18,126.8	51,526.9	29,443.9	13,904.3	1,537,074	88,785.7	831.2	419.1	
1993	10,567.8	3,390.0	1,826.9	20,310.0	52,334.3	127,796.9	66,398.2	na	na	na	na	

1 Refer to end of year.

2 Refer to gross premiums less premiums paid for re-insurance in and out of Singapore.

3 Refer to gross claims paid less recoveries from re-insurance placed in and out of Singapore.

GROWTH RATES IN ECONOMIC INDICATORS V, 1983-1993 (continued)

Per Cent

Per Cent											
	Finance Companies			POSBank	CPF	Stock Exchange		Insurance Companies			
Year	Deposits from Individuals & Institutions	Loans for		Total Deposit Base	Amount Due to Members	Turnover of Stocks & Shares		Life Insurance		General Insurance	
		Hire Purchase of Motor Vehicles	Housing			Value	Volume	Policies in Force		Net Premiums	Net Claims
								Number	Amount Insured		
1983	23.0	3.2	32.5	22.9	24.6	128.1	116.4	14.5	28.8	2.3	12.7
1984	15.6	-7.0	15.7	17.5	16.2	-30.5	-15.6	5.6	18.9	-	4.7
1985	-5.0	-26.8	2.8	25.4	18.3	-23.0	-0.6	6.7	18.5	-1.7	12.9
1986	-2.5	-30.3	4.2	15.7	5.6	26.6	30.6	14.2	20.4	-2.8	4.3
1987	9.7	24.6	6.9	6.1	8.0	181.0	146.9	22.0	22.1	5.1	-5.2
1988	8.6	109.8	-2.5	8.7	6.3	-43.0	-26.7	24.4	34.5	14.8	3.3
1989	26.8	77.2	11.7	7.7	10.8	205.5	202.6	23.8	26.5	15.8	14.9
1990	13.7	12.4	-4.6	1.3	12.7	-6.1	-14.6	21.3	22.1	17.6	17.0
1991	6.8	11.4	-5.1	16.9	13.3	-16.9	-15.8	19.7	23.2	8.3	19.2
1992	6.5	33.7	-3.3	15.9	11.9	-3.6	-10.6	21.7	21.2	10.8	16.1
1993	10.6	51.4	24.0	12.0	1.6	334.0	377.5	na	na	na	na

ECONOMIC INDICATORS VI, 1983-1993

	Government Finance						Measures of Inflation			Tourism	
Year	Operating Revenue ¹	Operating Expendi- ture ²	Public Debt ³			Debt Servicing Ratio	Consumer Price Index (Sep 87- Aug 88 = 100)	Domestic Supply Price Index (1990 = 100)	Gross Domestic Product Deflator (1985 = 100)	Visitor Arrivals ⁴	Hotel Occupancy Rate
			Total	Domestic	External						
	Million Dollars									Per Cent	
1983	)	)	25,031.5	24,359.9	671.6	1.3	96.8	110.1	100.5	2,853.6	75.5
1984	)	)	28,077.3	27,435.9	641.4	1.0	99.3	109.4	101.2	2,991.4	75.5
1985	) na	) na	32,164.4	31,568.1	596.3	2.4	99.8	107.0	100.0	3,031.0	65.9
1986	)	)	33,793.1	33,341.7	451.4	2.3	98.4	90.8	97.5	3,191.1	64.7
1987	)	)	38,274.3	37,971.1	303.2	1.3	98.9	97.6	98.3	3,678.8	68.7
1988	)	)	41,830.7	41,589.9	240.8	0.4	100.4	95.8	103.7	4,186.1	79.3
1989	11,547.0	6,105.8	46,209.7	46,071.0	138.7	0.7	102.8	98.3	109.1	4,830.0	86.4
1990	13,102.2	7,061.6	51,425.6	51,357.7	67.9	0.2	106.3	100.0	115.5	5,322.9	84.0
1991	14,851.6	7,813.4	59,041.1	59,000.3	40.8	0.1	110.0	95.9	119.6	5,414.7	76.7
1992	17,218.4	8,485.6	67,252.5	67,228.2	24.3	0.2	112.5	91.7	122.1	5,989.9	79.8
1993	19,527.2 ^P	9,144.0 ^P	69,822.0	69,810.4	11.6 ^P	0.1 ^P	115.2	89.2	125.0 ^P	6,425.8	83.4

- 1 Refer to receipts credited to the Consolidated Revenue Account, Development Fund Account and Sinking Fund Account, but excludes investment income and capital receipts.
- 2 Refer to Expenditure on Manpower, other Operating Expenditure (excluding expenses on investment and agency fees on land sales), Grants-in-Aid to statutory boards and Pensions.
- 3 Refer to end of year.
- 4 Exclude Malaysian arrivals by land.

GROWTH RATES IN ECONOMIC INDICATORS VI, 1983-1993 (continued)

Per Cent

Year	Government Finance					Measures of Inflation			Tourism	
	Operating Revenue	Operating Expenditure	Public Debt			Consumer Price Index (Sep 87-Aug 88 = 100)	Domestic Supply Price Index (1990 = 100)	Gross Domestic Product Deflator (1985 = 100)	Visitor Arrivals	Hotel Occupancy Rate
			Total	Domestic	External					
1983	)	)	20.7	22.7	-23.2	1.2	-3.7	3.9	-3.5	-6.6
1984	)	)	12.2	12.6	-4.5	2.6	-0.6	0.7	4.8	-
1985	)	)	14.6	15.1	-7.0	0.5	-2.3	-1.2	1.3	-12.7
1986	) na	) na	5.1	5.6	-24.3	-1.4	-15.1	-2.5	5.3	-1.8
1987	)	)	13.3	13.9	-32.8	0.5	7.5	0.8	15.3	6.2
1988	)	)	9.3	9.5	-20.6	1.5	-1.9	5.5	13.8	15.4
1989	)	)	10.5	10.8	-42.4	2.4	2.6	5.2	15.4	9.0
1990	13.5	15.7	11.3	11.5	-51.0	3.4	1.7	5.9	10.2	-2.8
1991	13.4	10.6	14.8	14.9	-39.9	3.4	-4.1	3.5	1.7	-8.7
1992	15.9	8.6	13.9	13.9	-40.4	2.3	-4.4	2.1	10.6	4.0
1993	13.4 ^p	7.8 ^p	3.8	3.8	-52.3 ^p	2.4	-2.8	2.4 ^p	7.3	4.5

SOCIAL INDICATORS I, 1983-1993

Year	Resident Population						Vital Statistics					
	Mid-year Estimates	Rate of Growth	Population Density	Median Age	Dependency Ratio ¹	Index of Ageing ²	Crude Birth Rate	Crude Death Rate	Proportional Mortality Ratio ³	Infant Mortality Rate	Total Fertility Rate	Gross Reproduction Rate
	Thousand	Per Cent	Per Square Kilometre	Years	Per Cent		Per 1,000 Resident Population		Per Cent	Per 1,000 Live-births	Per 1,000 Resident Female population Aged 15-44 years	
1983	2,406.2	1.7	3,893	26.1	50.1	30.6	16.3	5.0	79.2	9.4	1,608	774
1984	2,443.7	1.6	3,940	26.7	49.4	31.7	16.5	4.8	79.1	8.8	1,615	772
1985	2,482.6	1.6	4,001	27.2	48.9	32.7	16.6	4.9	79.9	9.3	1,614	776
1986	2,518.6	1.5	4,051	27.8	48.3	34.1	14.8	4.6	80.0	9.4	1,433	688
1987	2,553.9	1.4	4,102	28.3	47.6	35.9	16.6	4.7	80.7	7.4	1,621	781
1988	2,598.5	1.7	4,154	28.8	47.3	37.4	19.8	4.9	80.9	6.9	1,956	945
1989	2,647.6	1.9	4,227	29.3	47.5	38.4	17.5	4.9	82.2	6.6	1,754	845
1990	2,705.1	2.2	4,273	29.8	47.7	39.4	18.4	4.8	81.6	6.7	1,865	808
1991	2,762.7	2.1	4,323	30.2	48.0	40.0	17.3	4.7	82.7	5.5	1,770	858
1992	2,818.2	2.0	4,397	30.6	48.1	40.7	17.0	4.7	82.2	5.0	1,760	853
1993	2,873.8	2.0	4,481	31.0	48.4	41.4	17.0 ^p	4.6 ^p	82.7 ^p	4.7 ^p	1,778 ^p	858 ^p

1 Residents under 15 years and those 60 years and over divided by residents aged 15-59 years.

2 Residents aged 60 years and over divided by those under 15 years.

3 Deaths at 50 years and over as percentage of total deaths.

SOCIAL INDICATORS II, 1983-1993

Year	Education										
	Pupils Per Teacher		Graduates of Institutions of Higher Learning	Student Enrolment Ratio ¹	Literacy Rate ²	Passes at			Government Recurrent Expenditure Per Student		
	Primary	Secondary				PSLE	GCE 'O' Level	GCE 'A' Level	Primary	Secondary	Tertiary
	Number					Per Cent			Dollars		
1983	29	21	6,951	90.8	85.5	87.0	74.5	65.4	1,229	1,910	9,369
1984	28	23	8,332	93.6	86.1	85.5	79.9	65.3	1,399	2,090	9,742
1985	27	22	8,955	94.0	86.7	85.9	89.0	66.2	1,521	2,269	9,702
1986	26	23	10,418	95.5	87.3	85.6	85.3	70.8	1,429	1,981	8,574
1987	26	22	11,883	94.5	88.0	86.5	88.1	73.9	1,501	2,092	9,195
1988	26	22	12,582	93.9	88.6	86.5	89.2	72.5	1,723	2,410	8,370
1989	26	22	12,815	93.5	89.3	88.4	88.1	68.5	1,929	2,678	8,570
1990	26	21	13,711	92.4	90.0	88.2	88.9	76.5	2,061	2,982	9,457
1991	26	20	14,552	92.3	90.6	89.8	89.9	83.0	2,117	3,217	17,207
1992	26	20	16,299	92.7	91.1	91.2	89.0	82.7	2,164	3,382	9,711
1993	24	21	18,317	92.3	91.6	92.2	90.4	86.0	2,556	4,111	9,349

- ¹ Students aged 6-17 years divided by resident population of same age group.
² For population 10 years and over. The rates have been revised to refer only to Singapore residents.
 For 1990, the figure is based on the 1990 Population Census.

SOCIAL INDICATORS III, 1983-1993

Year	Employment					Health			
	Labour Force (15 Years & Over)	Unemployment Rate (15 Years & Over)	Labour Force Participation Rate (15 Years & Over)	CPF Contributors in Labour Force	Union Members Among Employed	Per Capita ¹ Government Expenditure on Health	Persons Per ²		
	Thousand		Per Cent			Dollar	Doctor	Dentist	Hospital Bed
1983	1,293	3.2	63.8	71.0	16.4	168	1,019	5,519	244
1984	1,304	2.7	63.4	72.3	15.2	183	976	5,145	252
1985	1,288	4.1	62.2	69.1	16.3	195	944	5,005	248
1986	1,299	6.5	62.3	70.2	16.5	163	906	4,788	249
1987	1,329	4.7	62.7	70.4	16.2	176	869	4,585	255
1988	1,378	3.3	62.9	70.0	15.8	197	822	4,382	267
1989	1,425	2.2	63.1	69.4	15.3	240	779	4,118	275
1990	1,563	1.7	66.0	67.4	13.8	269	757	4,025	277
1991	1,554	1.9	64.8	67.7	14.2	310	731	4,051	282
1992	1,620	2.7	65.3	66.3	14.5	379	711	3,992	290
1993	1,636	2.7	64.5	67.7	14.8	385 ^P	693	3,863	275

Note : Labour force and unemployment rate for 1990 are obtained from the Population Census.

1 Data refer to resident population and the period refers to financial year beginning on 1 April and ending on 31 March the following year.

2 Data refer to resident population.

SOCIAL INDICATORS IV, 1983-1993

Year	Culture & Recreation				Communications				
	Daily Newspapers Circulation	Per Cent of National Library Members to Total Population		Annual Cinema Attendances	Television Licences	Residential Telephone Lines	Persons Per		
	Per 1,000 Population	Under 12 Years	12 Years & Over	Per Person	Per 1,000 Population		Public Bus	Private Car	Taxi
1983	289	44.8	22.0	13	193	204	301	13	225
1984	290	46.3	25.1	11	194	219	295	12	221
1985	288	49.9	29.7	9	194	234	285	12	227
1986	272	51.3	33.3	8	202	241	292	13	236
1987	274	45.9	32.4	8	208	245	292	13	242
1988	286	27.6	14.6	9	213	249	291	12	248
1989	293	33.4	20.9	8	201	255	290	11	249
1990	301	34.7	24.8	8	215	258	286	11	221
1991	318	33.9	27.7	8	216	260	291	11	217
1992	325	33.6	30.5	7	218	265	292	10	210
1993	340	33.7	29.2	7	206	270	296	10	206

Note : Data refer to resident population.

SOCIAL INDICATORS V, 1983-1993

Year	Public Housing ¹				Utilities		Fire		Public Order	
	Public Flats		Per Cent of Total Population Living In ⁴		Domestic Electricity Consumption Per Resident	Domestic Water Consumption Per Resident	Number	Value of Property Damaged	Total Offences	Police Force
	Total ² Number Managed	Per Cent ³ Owner-occupied	Public Flats	Owner-occupied Public Flats	Kilowatt Hour	Cubic Metre		Million Dollars	Per 10,000 Resident Population	
1983	430,169	70	77	54	545.7	55.0	6,802	47.1	171	32
1984	506,340	74	81	60	546.8	55.7	4,646	28.0	184	32
1985	551,767	76	84	64	588.8	57.1	5,384	18.8	188	33
1986	585,445	78	85	66	621.5	57.4	5,306	17.3	198	33
1987	612,826	80	86	69	676.9	59.4	5,206	17.9	194	31
1988	630,645	82	87	71	717.4	61.4	4,718	39.9	223	30
1989	610,955	87	88	79	735.0	62.5	5,177	75.6	211	29
1990	623,821	87	87	80	884.3	65.6	6,444	43.7	204	29
1991	626,313	88	87	82	962.0	67.9	5,740	23.2	193	29
1992	641,016	89	87	82	1,024.9	70.0	5,102	9.2	183	29
1993	655,487	89	87	81	1,087.2	71.4	5,724	na	175	29

1 Refer to flats managed by Housing and Development Board.

2 As at end of year.

3 Refer to percentage of sold flats over total units under management.

4 Data from 1990 refer to resident population.

The Ministry of the Environment and Natural Resources (MENV) is the lead agency for the development of the National Environmental Policy (NEP) and the Environmental Management Framework (EMF). The NEP is a policy document that sets out the government's vision for the environment and the EMF is a framework for the implementation of the NEP. The MENV is also responsible for the development of the National Environmental Action Plan (NEAP) and the National Environmental Quality Standards (NEQS).

Climate

The main features of the climate of Singapore are the high temperature and high humidity and high rainfall. The average temperature is 27°C and the average humidity is 78%. The average rainfall is 2150 mm per year. The climate is tropical and the weather is hot and humid. The temperature is high and the humidity is high. The rainfall is high and the weather is hot and humid. The climate is tropical and the weather is hot and humid. The temperature is high and the humidity is high. The rainfall is high and the weather is hot and humid.

1 CLIMATE, ATMOSPHERIC ENVIRONMENT AND LAND USE

Land

The land area of Singapore is approximately 719.4 km². The land area is divided into three main regions: the central region, the eastern region and the western region. The central region is the largest and contains the majority of the population. The eastern region is the smallest and contains the majority of the government buildings. The western region is the middle region and contains the majority of the commercial buildings. The land area is divided into three main regions: the central region, the eastern region and the western region. The central region is the largest and contains the majority of the population. The eastern region is the smallest and contains the majority of the government buildings. The western region is the middle region and contains the majority of the commercial buildings.

Location

Singapore is located at the southern tip of the Malay Peninsula. It is situated between the equator and the Tropic of Cancer. The climate is tropical and the weather is hot and humid. The temperature is high and the humidity is high. The rainfall is high and the weather is hot and humid. The climate is tropical and the weather is hot and humid. The temperature is high and the humidity is high. The rainfall is high and the weather is hot and humid.

Geography

The land area of Singapore is approximately 719.4 km². The land area is divided into three main regions: the central region, the eastern region and the western region. The central region is the largest and contains the majority of the population. The eastern region is the smallest and contains the majority of the government buildings. The western region is the middle region and contains the majority of the commercial buildings. The land area is divided into three main regions: the central region, the eastern region and the western region. The central region is the largest and contains the majority of the population. The eastern region is the smallest and contains the majority of the government buildings. The western region is the middle region and contains the majority of the commercial buildings.

Singapore can be geographically divided into three main parts - the central city area with heavy deposits of

1 CLIMATE, ATMOSPHERIC ENVIRONMENT AND LAND USE

Location

The Republic of Singapore, which is situated in the centre of Southeast Asia, is located between latitudes 1° 09'N and 1° 29'N and longitudes 103° 38'E and 104° 06'E. This location at the focal point of the trade routes contributes greatly to the development of Singapore as a regional centre for commerce, finance, transport and communications, and other services.

Geography

The land area of Singapore is approximately 641.4 square kilometres. It comprises the main island and a number of islets scattered off its north-east and south. The main island measures about 42 kilometres from east to west and 23 kilometres from north to south with a coastline of 150.5 kilometres.

Singapore can be geographically divided into three major areas - the central hilly area with heavy deposits of

granite in Bukit Timah, Bukit Panjang, Bukit Mandai and Bukit Batok; the western undulating area comprising Mouth Faber Ridge and Pasir Panjang Ridge and the eastern coastal area consisting of alluvium and sediment stretches from Katong to Bedok and Changi.

Climate

The main features of the climate of Singapore are the relatively stable temperature throughout the year due to its close proximity to the Equator and high humidity and abundant rainfall due to the maritime exposure of the island. The average maximum and minimum temperatures are around 31°C and 24°C respectively. The relative humidity is usually between 65 and 70 per cent on dry afternoons but frequently exceeds 90 per cent in the early hours of the morning before sunrise. Although rain falls throughout the year, the wettest months are usually during the first part of the Northeast Monsoon season from November to January. During the Southwest Monsoon season, from May to September, early morning line squalls occasionally hit the island.

Air Pollution

The Ministry of the Environment monitors the ambient air quality through 10 stations located in urban, industrial and rural areas. Some of the pollutants commonly monitored are sulphur dioxide, smoke, nitrogen oxides and dust fallout. The sulphur dioxide is monitored at 9 stations, nitrogen oxides at 10 stations, smoke levels at 6 stations and dust fallout at 7 stations. The overall air pollution levels in 1993 were generally

low and were within the accepted international standards.

Land Use

Of the total land area, about 49.3 per cent has been developed for residential, commercial and industrial usage and another 1.1 per cent used for agriculture. The rest consists of forest reserves, marsh and other non-built up areas.

1.1 WEATHER CONDITION, 1983-1993

Year	Mean Temperature (°C)		Mean Relative Humidity at 2.00pm (%)	Rainfall			Bright Sunshine
	Maximum	Minimum		Total (mm)	Maximum in a Day (mm)	Number of Rainy days	Daily Mean Hours
1983	31.7	24.9	70	1,994	182	145	5.6
1984	30.8	24.0	74	2,687	154	191	5.1
1985	31.3	24.3	71	1,484	87	181	5.6
1986	31.1	24.4	71	2,536	132	174	5.5
1987	31.5	24.7	71	2,103	127	151	5.9
1988	31.3	24.6	72	2,599	187	173	5.4
1989	31.2	24.1	72	2,463	149	173	5.5
1990	31.8	24.8	69	1,524	154	142	6.2
1991	31.5	24.7	71	1,877	130	146	5.4
1992	31.5	24.4	71	2,261	121	163	5.5
1993	31.3	24.6	72	2,169	68	163	5.9

Source : Meteorological Service

1.2 AIR POLLUTION LEVELS, 1983-1993

Year	Sulphur Dioxide ¹			Smoke Levels			Nitrogen Oxides Levels			Dust Fallout Levels		
	Urban	Industrial	Rural	Urban	Industrial	Rural	Urban	Industrial	Rural	Urban	Industrial	Rural
	Microgram per cubic metre at normal temperature & pressure									Grams per square metre per month		
1983	34	32	21	25	19	15	50	31	-	1.10	1.31	1.01
1984	35	28	24	26	18	16	62	38	-	0.87	0.92	0.83
1985	24	20	14	26	19	15	64	38	-	1.07	0.85	0.92
1986	18	14	9	25	17	15	65	44	-	0.90	0.70	0.79
1987	14	11	14	24	24	18	97	45	-	0.77	0.90	0.72
1988	17	21	16	26	23	16	37	35	-	0.75	0.80	0.61
1989	25	18	24	24	20	17	42	31	-	0.75	0.82	0.53
1990	21	29	14	22	21	16	45	34	-	0.70	0.69	0.59
1991	16	28	13	19	21	15	29	44	-	0.54	0.69	0.60
1992	20	24	12	24	27	-	43	41	-	0.45	0.49	0.35
1993	16	27	12	24	29	-	47	47	44	0.77	0.78	0.66

¹ Prior to 1992, figures refer to Total Acidity Levels.

Source : Ministry of the Environment

1.3 LAND USE, 1983-1993

Square Kilometres

Year	Total	Built-up Area ¹	Farm Holding Area ²	Forest	Marsh & Tidal Waste	Others ³
1983	618.1	291.7	64.3	28.6	21.1	212.4
1984	620.2	295.0	58.9	28.6	18.7	219.0
1985	620.5	298.8	47.1	28.6	18.5	227.5
1986	621.7	300.3	39.7	28.6	18.2	234.9
1987	622.6	302.9	32.6	28.6	15.7	242.8
1988	625.6	304.2	20.4	28.6	15.7	256.7
1989	626.4	307.4	12.0	28.6	15.7	262.8
1990	633.0	311.6	10.8	28.6	15.7	266.4
1991	639.1	312.4	6.8	28.6	15.7	275.7
1992	641.0	315.7	6.8	28.6	15.7	274.2
1993	641.4	316.5	6.9	28.6	15.7	273.8

Source : Survey Department

1 Include new Industrial sites.

2 Refer to licensed farms excluding land occupied by pure rubber and coconut plantations.

3 Include inland water, open spaces, public gardens, cemeteries, non-built up areas in military establishments, quarries, rubber and coconut plantations.

2 DEMOGRAPHY

2 DEMOGRAPHY

Population Census

Singapore's first census was taken in April 1871. After that, regular censuses were undertaken in ten-year intervals up to 1931. The Second World War delayed the next census till 1947. In the pre-war censuses, Singapore was included as part of the Straits Settlements and, later, part of Malaya. Separate censuses for Singapore were carried out since 1947. The 1990 Census was Singapore's third census since independence. The other two censuses were conducted in 1970 and 1980.

Census data generally refer to all persons enumerated in Singapore at the time of the census except non-locally domiciled services personnel and their dependants, ships' crew and passengers in transit in Singapore waters and foreign visitors living in hotels. However, data for the 1990 Census published for general information refer only to Singapore residents, that is, citizens and those granted permanent residence in Singapore.

Mid-Year Estimates

The mid-year population estimates for the intercensal years 1981-1989 have been revised to refer only to Singapore residents.

Births and Deaths

The Registration of Births and Deaths Act (cap 267), specifies that a birth must be registered within 42 days of the date of birth. Births registered after 42 days from occurrence are classified as late registrations. A birth registration after one year from the date of birth can only be effected with the written authority of the Registrar-General of Births and Deaths. Under the same Act, a death must be registered within 3 days of its occurrence. Still-births, which are classified separately from births and deaths, must be registered within 14 days of their occurrence.

Registration facilities for births and deaths are available at the Registry of Births and Deaths, and at designated government hospitals. Deaths and still-births can also be registered at gazetted police stations/sub-stations/neighbourhood police posts. The registration system is comprehensive and the records of vital statistics are virtually complete.

Measures of natality and mortality include the crude birth and crude death rates. From 1981 onwards, these are defined as the number of live-births and deaths respectively of Singapore residents, per thousand mid-year resident population.

Marriages

Registration of marriages is compulsory in Singapore. Marriages other than Muslim marriages are registered under the Women's Charter, 1961. Notices of such marriages have to be lodged with the Registrar of Marriages regardless of the venue of solemnization.

Registration of Muslim marriages in Singapore became compulsory from 1 July 1909 when the Mohammadan Marriage Ordinance, 1908 (Ordinance No. XXV of 1908) was enacted. This Ordinance was subsequently repealed and replaced by the Administration of Muslim Law Act, 1966.

Divorces

Pertinent information on Muslim divorces are compiled from records maintained by the Syariah Court while those on non-Muslim divorces are compiled from petitions submitted to the Supreme Court. Time-dependent variables, eg, the year of occurrence, age of divorcees, and duration of marriage are based on the date of registration for Muslim divorces and date decree made absolute for non-Muslim divorces.

Definitions

Rates on fertility and reproduction refer to residents only.

Age-specific fertility rate (ASFR) : It refers to the number of births by mothers of a specific age group during a given year, per thousand females in that age group.

Total fertility rate (TFR) : It is the average number of children that would be born per female, if all females lived to the end of their childbearing years and bore children according to a given set of age-specific fertility rates. It is derived by aggregating the age-specific fertility rates of females in each of the reproductive ages for a specific year.

Gross reproduction rate (GRR) : It gives the average number of daughters produced by each female during her whole reproductive period and is similarly computed as in the case of TFR, on the basis of female births only. This rate implicitly assumes that all females live to the end of their childbearing years.

Net reproduction rate (NRR) : It is a refinement of the gross reproduction rate, in that it takes into account the mortality of females from birth to the end of their reproductive years. It is the average number of female children that would replace one female if current fertility and mortality levels prevail. It is also the measure of replacement of population.

Age-specific marriage rate (ASMR) : It is defined as the number of persons within a specific age group marrying in a given year, out of every thousand unmarried persons in the same age group. From 1984 onwards, the rates refer to Singapore residents only.

Other References

Vital statistics on births and deaths are compiled and published monthly in the "Singapore Demographic Bulletin". In addition to births and deaths data, the "Monthly Digest of Statistics" provides data on marriages.

Annual data on marriages and divorces are available in the publication "Statistics on Marriages and Divorces". This publication analyses annual marriage trends and the socio-economic characteristics of grooms and brides, as well as provides insight into the nature of divorces and the socio-

economic characteristics of divorcees.

The annual "Report on Registration of Births and Deaths" published by the Registrar-General of Births and Deaths also provides demographic and socio-economic characteristics of parents and characteristics of births, detailed causes of death, together with statistical tables and charts.

More details on the revision of intercensal population estimates are available in a new report, "Singapore's Resident Population, 1980-1991", published by the Department of Statistics.

2.1 POPULATION, 1901 ..., 1983-1993

Year	Population											Rate of Population Increase	Sex Ratio (Males Per 1,000 Females)
	Total			Chinese		Malays		Indians ¹		Others			
	Persons	Males	Females	Males	Females	Males	Females	Males	Females	Males	Females		
	Thousand											Per Cent	
Census													
1901	227.6	170.0	57.6	130.4	33.7	20.2	15.8	14.3	3.4	5.1	4.7	2.3	2,951
1911	303.3	215.5	87.8	161.6	57.9	22.6	19.2	23.1	4.7	8.2	6.0	2.9	2,453
1921	418.3	280.9	137.4	214.2	100.9	29.6	24.0	26.9	5.4	10.2	7.1	3.3	2,044
1931	557.7	352.1	205.6	261.0	157.6	34.9	30.1	42.8	8.0	13.4	9.9	2.9	1,713
1947	938.2	515.0	423.2	387.4	342.1	62.3	51.5	51.7	17.3	13.6	12.3	3.3	1,217
1957	1,445.9	762.8	683.1	555.7	534.9	103.2	93.8	86.0	38.1	17.9	16.3	4.4	1,117
1970	2,074.5	1,062.1	1,012.4	796.5	783.4	158.4	153.0	87.5	57.6	19.7	18.4	2.8	1,049
1980	2,262.1	1,159.0	1,123.1	900.2	887.6	167.3	161.4	80.4	63.0	11.1	11.1	1.3 ²	1,032
1990	2,705.1	1,370.1	1,335.0	1,057.6	1,045.2	195.2	187.4	103.4	87.5	13.9	14.9	2.2	1,026
Mid-year Estimates													
1983	2,406.2	1,220.5	1,185.7	946.8	934.5	174.4	168.3	87.4	70.6	11.9	12.3	1.7	1,029
1984	2,443.7	1,239.1	1,204.6	960.5	948.3	176.9	170.6	89.5	73.1	12.2	12.6	1.6	1,029
1985	2,482.6	1,258.5	1,224.1	974.6	962.5	179.6	173.0	91.8	75.5	12.5	13.1	1.6	1,028
1986	2,518.6	1,276.5	1,242.1	987.4	975.4	182.4	175.5	94.0	77.7	12.7	13.5	1.5	1,028
1987	2,553.9	1,294.2	1,259.7	1,000.0	988.1	185.0	178.0	96.2	79.9	13.0	13.7	1.4	1,027
1988	2,598.5	1,316.6	1,281.9	1,016.8	1,004.7	188.1	180.9	98.4	82.3	13.3	14.0	1.7	1,027
1989	2,647.6	1,341.3	1,306.3	1,035.6	1,023.5	191.5	183.9	100.7	84.6	13.5	14.3	1.9	1,027
1990 (Census)	2,705.1	1,370.1	1,335.0	1,057.6	1,045.2	195.2	187.4	103.4	87.5	13.9	14.9	2.2	1,026
1991	2,762.7	1,398.0	1,364.7	1,078.7	1,067.4	199.5	191.7	105.1	90.0	14.7	15.6	2.1	1,024
1992	2,818.2	1,423.7	1,394.5	1,097.8	1,089.4	203.5	195.9	107.1	92.5	15.3	16.7	2.0	1,021
1993	2,873.8	1,449.9	1,423.9	1,117.4	1,111.2	207.6	200.0	109.1	95.0	15.8	17.7	2.0	1,018

Notes : Figures from 1901 to 1970 refer to total population present in Singapore.
From 1980, figures refer to Singapore residents (citizens and permanent residents).

1 From 1970, Indians include Sri Lankans (Ceylonese) who were previously classified under 'Others'.

2 Refer to average annual rate of increase of resident population during 1970-1980.

2.2 ESTIMATES OF SINGAPORE RESIDENTS (MALES) BY AGE GROUP, 1983-1993

Thousand

Age Group (Years)	1983	1984	1985	1986	1987	1988	1989	1990 ¹	1991	1992	1993
Total	1,220.5	1,239.1	1,258.5	1,276.5	1,294.2	1,316.6	1,341.3	1,370.1	1,398.0	1,423.7	1,449.9
0 - 4	103.0	103.6	105.5	105.3	103.8	106.2	112.2	115.7	121.4	126.3	127.7
5 - 9	102.1	100.2	99.7	101.0	102.1	104.7	105.0	106.4	106.6	106.0	108.7
10 - 14	113.3	114.1	113.5	110.9	108.5	103.9	102.1	102.3	103.7	104.4	106.9
15 - 19	128.1	121.8	116.9	113.7	113.0	113.9	114.8	114.5	112.0	109.7	105.2
20 - 24	142.7	141.6	138.6	135.5	131.7	127.7	122.0	118.4	116.5	116.6	118.2
25 - 29	137.8	141.9	145.6	147.7	147.2	146.5	145.5	143.7	142.1	139.7	137.0
30 - 34	113.6	118.9	123.9	130.1	136.5	141.5	145.3	149.3	151.9	152.2	152.4
35 - 39	80.5	89.2	100.8	109.1	112.2	117.1	122.6	128.7	135.0	141.2	145.9
40 - 44	66.8	66.8	63.7	63.9	72.8	81.9	90.5	103.3	112.2	115.4	120.3
45 - 49	55.0	58.4	61.0	64.2	66.2	66.7	66.9	64.3	64.7	73.8	83.0
50 - 54	49.7	49.9	51.3	52.2	52.4	53.4	56.4	59.1	62.8	65.2	65.9
55 - 59	40.3	42.4	44.2	45.7	46.4	47.3	47.9	49.7	50.2	50.2	51.3
60 - 64	31.4	32.1	33.0	34.1	35.6	37.4	39.1	40.9	42.1	42.7	43.6
65 - 69	23.7	24.2	25.0	25.9	26.6	27.5	28.4	29.3	30.4	31.7	33.1
70 & Over	32.5	34.1	35.8	37.2	39.2	40.9	42.6	44.5	46.4	48.6	50.7

1 Census of Population.

2.3 ESTIMATES OF SINGAPORE RESIDENTS (FEMALES) BY AGE GROUP, 1983-1993

Thousand

Age Group (Years)	1983	1984	1985	1986	1987	1988	1989	1990 ¹	1991	1992	1993
Total	1,185.7	1,204.6	1,224.1	1,242.1	1,259.7	1,281.9	1,306.3	1,335.0	1,364.7	1,394.5	1,423.9
0 - 4	94.8	95.6	97.8	97.0	96.3	98.7	104.5	107.7	113.1	118.4	119.4
5 - 9	95.4	93.2	92.4	93.8	94.5	96.8	97.1	98.6	98.4	98.1	101.1
10 - 14	106.2	106.5	105.9	103.6	101.3	97.1	95.1	95.6	96.9	97.2	99.2
15 - 19	122.3	116.3	111.0	107.2	105.5	106.3	107.1	106.9	105.1	103.3	99.2
20 - 24	135.6	135.1	133.1	131.1	127.7	123.6	117.5	113.9	112.4	113.5	116.3
25 - 29	132.6	136.8	139.6	141.1	140.9	140.6	140.5	140.0	140.0	139.1	137.4
30 - 34	111.7	115.9	120.7	126.3	131.8	136.5	140.2	143.7	146.2	147.4	148.6
35 - 39	79.5	87.8	99.2	107.5	110.3	114.2	118.7	124.0	130.0	135.8	140.7
40 - 44	67.1	66.6	63.2	62.9	71.5	80.6	88.8	100.7	109.2	112.2	116.3
45 - 49	54.2	57.7	60.3	63.9	66.2	66.7	66.4	63.3	63.1	71.9	81.1
50 - 54	47.9	48.6	50.6	51.8	51.8	52.9	56.0	58.4	62.7	65.6	66.1
55 - 59	38.2	40.6	43.1	44.7	45.8	46.5	47.7	50.1	50.7	50.3	51.5
60 - 64	31.3	32.0	32.3	33.4	35.1	37.1	39.6	41.9	43.2	44.0	44.7
65 - 69	25.9	26.5	27.3	28.0	28.6	29.3	29.9	30.4	31.6	33.2	35.0
70 & Over	43.3	45.4	47.6	49.8	52.4	55.0	57.2	59.8	62.1	64.5	67.3

¹ Census of Population.

2.4 ESTIMATES OF SINGAPORE RESIDENTS BY AGE GROUP, ETHNIC GROUP AND SEX, END JUNE 1993

Age Group (Years)	Total			Chinese			Malays			Indians			Others		
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
	Thousand														
Total	2,873.8	1,449.9	1,423.9	2,228.6	1,117.4	1,111.2	407.6	207.6	200.0	204.1	109.1	95.0	33.5	15.8	17.7
0 - 4	247.1	127.7	119.4	173.7	90.0	83.7	48.8	25.1	23.7	19.5	10.0	9.5	5.1	2.6	2.5
5 - 9	209.8	108.7	101.1	148.4	77.2	71.2	41.6	21.3	20.3	16.6	8.6	8.0	3.2	1.6	1.6
10 - 14	206.1	106.9	99.2	155.9	81.0	74.9	33.4	17.3	16.1	14.5	7.5	7.0	2.3	1.1	1.2
15 - 19	204.4	105.2	99.2	162.1	83.3	78.8	27.8	14.5	13.3	12.8	6.6	6.2	1.7	0.8	0.9
20 - 24	234.5	118.2	116.3	183.6	92.5	91.1	33.2	16.9	16.3	15.7	7.9	7.8	2.0	0.9	1.1
25 - 29	274.4	137.0	137.4	207.5	103.5	104.0	44.1	22.5	21.6	20.0	10.0	10.0	2.8	1.0	1.8
30 - 34	301.0	152.4	148.6	230.9	116.8	114.1	44.9	23.1	21.8	22.0	11.3	10.7	3.2	1.2	2.0
35 - 39	286.6	145.9	140.7	228.3	116.2	112.1	36.3	18.6	17.7	19.2	9.8	9.4	2.8	1.3	1.5
40 - 44	236.6	120.3	116.3	193.3	98.6	94.7	25.5	12.6	12.9	15.5	7.9	7.6	2.3	1.2	1.1
45 - 49	164.1	83.0	81.1	135.4	68.4	67.0	16.6	8.2	8.4	10.5	5.5	5.0	1.6	0.9	0.7
50 - 54	132.0	65.9	66.1	109.0	54.3	54.7	12.6	5.9	6.7	9.0	5.0	4.0	1.4	0.7	0.7
55 - 59	102.8	51.3	51.5	81.5	40.7	40.8	12.8	6.2	6.6	7.3	3.8	3.5	1.2	0.6	0.6
60 - 64	88.3	43.6	44.7	68.8	32.7	36.1	10.3	4.9	5.4	8.0	5.4	2.6	1.2	0.6	0.6
65 - 69	68.1	33.1	35.0	52.0	23.4	28.6	8.7	4.6	4.1	6.4	4.6	1.8	1.0	0.5	0.5
70 & Over	118.0	50.7	67.3	98.2	38.8	59.4	11.0	5.9	5.1	7.1	5.2	1.9	1.7	0.8	0.9
Per Cent															
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0 - 14	23.1	23.7	22.5	21.5	22.2	20.7	30.4	30.7	30.1	24.8	23.9	25.8	31.7	33.5	29.9
15 - 59	67.4	67.5	67.2	68.7	69.3	68.1	62.3	61.9	62.6	64.7	62.2	67.6	56.7	54.4	58.8
60 & Over	9.5	8.8	10.3	9.8	8.5	11.2	7.3	7.4	7.3	10.5	13.9	6.6	11.6	12.1	11.3

2.5 VITAL STATISTICS, 1983-1993

Year	Live-births			Deaths		Natural Increase	Crude Birth Rate ²	Crude Death Rate ²	Rate of Natural Increase ²	Infant Mortality Rate
	Total ¹	Males	Females	Total	Infants					
	Number						Per 1,000 Resident Population			Per 1,000 Live-births
1983	40,585	21,049	19,533	13,321	382	27,264	16.3	5.0	11.3	9.4
1984	41,556	21,661	19,894	13,162	365	28,394	16.5	4.8	11.6	8.8
1985	42,484	22,027	20,452	13,348	394	29,136	16.6	4.9	11.7	9.3
1986	38,379	19,929	18,447	12,821	359	25,558	14.8	4.6	10.1	9.4
1987	43,616	22,570	21,042	13,173	324	30,443	16.6	4.7	11.9	7.4
1988	52,957	27,332	25,624	13,690	368	39,267	19.8	4.9	15.0	6.9
1989	47,669	24,712	22,951	14,069	315	33,600	17.5	4.9	12.6	6.6
1990	51,142	26,500	24,641	13,891	341	37,251	18.4	4.8	13.6	6.7
1991	49,114	25,314	23,798	13,876	269	35,283	17.3	4.7	12.6	5.5
1992	49,402	25,465	23,937	14,337	245	35,065	17.0	4.7	12.3	5.0
1993 ^P	50,226	25,960	24,263	14,461	236	35,765	17.0	4.6	12.4	4.7

1 Figures for males and females may not add up to the total due to unknown sex.

2 Rates refer to those of Singapore residents only.

Source: Registry of Births and Deaths
with effect from January 1989

2.6 AGE SPECIFIC AND TOTAL FERTILITY RATES, GROSS AND NET REPRODUCTION RATES, 1983-1993

Per 1000 Resident Females

Age Group (Years)	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993 ^P
15 - 19	10.4	10.3	9.6	8.6	7.7	7.3	7.2	8.4	8.5	7.9	8.3
20 - 24	72.4	68.6	68.0	60.4	59.7	65.0	59.7	60.5	55.2	53.5	50.9
25 - 29	125.5	124.2	123.9	110.1	124.8	147.5	129.7	139.1	132.4	131.5	133.2
30 - 34	79.9	83.0	85.6	74.4	92.5	118.9	104.5	112.7	108.9	109.6	111.4
35 - 39	29.5	32.1	31.1	28.4	33.5	44.9	42.1	44.9	42.4	42.5	44.5
40 - 44	3.9	4.9	4.5	4.7	5.9	7.4	7.6	7.4	6.5	6.8	7.2
Total Fertility Rate	1,608	1,615	1,614	1,433	1,621	1,956	1,754	1,865	1,770	1,760	1,778
Gross Reproduction Rate	774	772	776	688	781	945	845	898	858	853	858
Net Reproduction Rate	758	755	760	674	764	924	826	885	845	840	845

Note : The rates were computed based on resident live-births per 1,000 resident females.
Resident live-births are those with at least one parent who is a Singapore citizen or permanent resident.

Source : Population Planning Unit
Ministry of Health

2.7 LIVE-BIRTHS BY BIRTH ORDER, 1983-1993

Birth Order	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993 ^P
Number											
Total ¹	40,585	41,556	42,484	38,379	43,616	52,957	47,669	51,142	49,114	49,402	50,226
1st	18,255	18,071	18,638	17,336	17,586	20,522	19,465	20,325	19,623	20,307	20,653
2nd	14,078	15,171	15,498	13,406	16,441	19,495	16,631	18,232	17,578	17,374	17,815
3rd	5,757	5,877	5,900	5,443	6,966	9,806	8,845	9,624	8,938	8,843	8,763
4th	1,655	1,606	1,525	1,337	1,590	2,036	2,017	2,258	2,299	2,223	2,283
5th	470	436	443	382	398	459	471	481	470	441	511
6th & Over	302	276	236	205	235	229	237	218	206	213	198
Per Cent											
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1st	45.0	43.5	43.9	45.2	40.3	38.8	40.8	39.8	39.9	41.1	41.1
2nd	34.7	36.5	36.5	34.9	37.7	36.8	34.9	35.7	35.8	35.2	35.5
3rd	14.2	14.1	13.9	14.2	16.0	18.5	18.6	18.8	18.2	17.9	17.5
4th	4.1	3.9	3.6	3.5	3.6	3.8	4.2	4.4	4.7	4.5	4.5
5th	1.2	1.0	1.0	1.0	0.9	0.9	1.0	0.9	1.0	0.9	1.0
6th & Over	0.7	0.7	0.6	0.5	0.5	0.4	0.5	0.4	0.4	0.4	0.4

¹ Include birth order not stated.

Source: Registry of Births and Deaths
with effect from January 1989

2.8 LIVE-BIRTHS BY PLACE OF OCCURRENCE, 1983-1993

Place of Occurrence	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993 ^P
Number											
Total	40,585	41,556	42,484	38,379	43,616	52,957	47,669	51,142	49,114	49,402	50,226
Public Sector Hospitals	30,695	30,500	30,456	25,896	26,212	28,695	24,991	24,214	23,265	23,275	23,263
Private Sector Hospitals	8,858	10,337	11,375	12,054	17,004	23,908	22,364	26,618	25,622	25,930	26,775
Nursing Homes	337	296	259	137	131	119	81	71	36	39	22
Other Locations	695	423	394	292	269	235	233	239	191	158	166
Per Cent											
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Public Sector Hospitals	75.7	73.4	71.7	67.5	60.1	54.2	52.4	47.3	47.4	47.1	46.3
Private Sector Hospitals	21.8	24.9	26.8	31.4	39.0	45.1	46.9	52.1	52.1	52.5	53.3
Nursing Homes	0.8	0.7	0.6	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.1
Other Locations	1.7	1.0	0.9	0.8	0.6	0.5	0.5	0.5	0.4	0.3	0.3

Source: Registry of Births and Deaths
with effect from January 1989

2.9 MALE AND FEMALE AGE SPECIFIC DEATH RATES, 1988-1993

Per Thousand Residents

Age Group (Years)	Males						Females					
	1988	1989	1990	1991	1992	1993	1988	1989	1990	1991	1992	1993
Total	5.3	5.4	5.2	5.2	5.2	5.0	4.5	4.4	4.3	4.2	4.2	4.3
Under 1 ¹	7.1	7.0	7.1	5.9	5.4	5.0	6.8	6.0	6.2	4.9	4.5	4.2
1 - 4	0.4	0.3	0.4	0.3	0.3	0.3	0.4	0.4	0.2	0.3	0.3	0.3
5 - 9	0.2	0.3	0.2	0.2	0.3	0.1	0.2	0.2	0.1	0.2	0.1	0.2
10 - 14	0.2	0.3	0.3	0.2	0.4	0.3	0.2	0.2	0.2	0.3	0.2	0.2
15 - 19	0.5	0.6	0.5	0.5	0.5	0.5	0.3	0.4	0.2	0.3	0.3	0.2
20 - 24	0.9	0.7	0.8	0.7	0.8	0.8	0.5	0.5	0.4	0.4	0.3	0.3
25 - 29	0.8	0.8	0.8	0.8	0.8	0.6	0.5	0.5	0.5	0.4	0.4	0.3
30 - 34	0.9	1.0	1.0	0.9	0.9	0.7	0.7	0.6	0.6	0.5	0.6	0.5
35 - 39	1.6	1.3	1.4	1.2	1.2	1.0	1.2	1.0	1.0	0.7	0.7	0.8
40 - 44	2.4	2.3	2.2	1.9	2.1	2.0	1.4	1.6	1.4	1.5	1.4	1.4
45 - 49	3.7	3.6	4.0	3.5	3.7	3.4	2.6	2.4	2.4	1.9	2.3	1.9
50 - 54	7.9	7.8	6.9	6.8	6.1	6.2	4.8	4.0	4.2	3.7	3.9	3.9
55 - 59	13.6	14.0	12.0	12.6	11.0	10.6	7.4	6.7	7.4	6.6	6.4	6.7
60 - 64	20.0	21.2	20.9	20.8	20.4	18.6	12.1	12.3	10.9	11.1	10.7	10.2
65 - 69	32.5	32.9	30.2	30.3	31.1	29.4	20.4	19.6	18.7	18.0	17.8	17.6
70 & Over	71.9	73.8	68.2	68.0	68.4	65.5	58.6	56.4	55.4	53.3	53.0	54.0

1 Infant mortality rate (deaths of infants under 1 year of age per thousand live-births).

2.10 DEATHS BY BROAD GROUPS OF CAUSES, 1983-1993

Causes of Death	Number										
	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993 ^p
All Causes	13,321	13,162	13,348	12,821	13,173	13,690	14,069	13,891	13,876	14,337	14,461
Infective & Parasitic Diseases	432	390	375	402	432	430	439	347	321	342	379
of which : Tuberculosis	224	163	177	177	186	168	132	113	104	101	112
Neoplasms	2,903	2,817	2,939	2,921	3,169	3,233	3,321	3,314	3,405	3,497	3,543
of which : Cancer	2,858	2,776	2,893	2,887	3,131	3,194	3,283	3,269	3,361	3,456	3,514
Endocrine, Nutritional & Metabolic Diseases	423	512	492	508	521	525	461	388	359	269	305
of which : Diabetes	373	469	464	479	492	501	419	332	320	238	261
Diseases of the Blood & Blood-forming Organs	33	28	29	30	35	35	48	50	40	33	32
Diseases of the Nervous System & Sense Organs	92	97	87	87	102	133	111	143	117	127	89
Diseases of the Circulatory System	4,436	4,637	4,651	4,482	4,675	4,847	5,082	5,152	5,070	5,270	5,221
of which : Heart & Hypertensive Diseases	2,911	3,156	3,129	3,028	3,251	3,318	3,416	3,385	3,234	3,457	3,470
Cerebrovascular Disease	1,454	1,413	1,418	1,355	1,343	1,414	1,551	1,666	1,700	1,697	1,646
Diseases of the Respiratory System	2,429	2,096	2,241	1,974	1,942	2,110	2,167	2,112	2,289	2,522	2,517
of which : Pneumonia	1,513	1,204	1,287	1,082	998	1,039	1,130	1,191	1,285	1,420	1,548
Bronchitis	77	55	63	53	49	52	33	32	27	46	13
Diseases of the Digestive System	403	369	394	326	329	380	363	374	406	353	345
Diseases of the Genito-Urinary System	375	405	319	343	393	380	370	346	369	362	367
Congenital Anomalies	155	172	189	202	171	201	170	189	164	163	156
of which : Congenital Anomalies of Heart	86	91	84	101	87	98	75	84	82	92	91
Certain Causes of Perinatal Mortality	149	151	147	128	128	127	135	123	89	82	75
Accidents, Poisonings & Violence	1,085	1,095	1,082	1,025	931	958	1,042	1,008	1,074	1,127	630
of which : Motor Vehicle Accidents	323	343	292	265	233	242	245	246	258	240	257
Other Accidents	231	194	214	223	198	168	206	200	229	231	83
Suicides	267	211	327	329	302	367	395	354	319	298	148
Other Diseases & Causes	406	393	403	393	345	331	360	345	173	190	802 ¹
of which : Senility	208	236	170	140	125	112	113	108	16	5	4

Note : Deaths are classified according to the Ninth (1975) Revision of the International Classification of Diseases.

1 Include causes of death that are pending the Coroner's decision.

Source: Registry of Births and Deaths
with effect from January 1989

2.11 RESIDENT POPULATION AGED 60 YEARS AND OVER, 1983-1993

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Demographic Characteristics¹											
Resident Population ('000)	2,406.2	2,443.7	2,482.6	2,518.6	2,553.9	2,598.5	2,647.6	2,705.1	2,762.7	2,818.2	2,873.8
Residents Aged 60 Years & Over ('000)	188.1	194.3	201.0	208.4	217.5	227.2	236.8	246.8	255.8	264.7	274.4
Percentage of Resident Population	7.8	7.9	8.1	8.3	8.5	8.7	8.9	9.1	9.2	9.4	9.5
Sex Ratios (Males Per 1,000 Females) of Residents Aged											
60 - 69 Years	963.3	962.4	973.2	977.2	976.5	977.4	971.2	971.0	969.3	963.7	962.4
70 Years & Over	750.6	751.1	752.1	747.0	748.1	743.6	744.8	744.1	747.2	753.5	753.3
60 Years & Over	871.6	870.1	875.0	874.1	873.4	871.5	869.0	868.3	868.5	868.0	866.7
Literacy Rate of Residents Aged 60 Years & Over ² (Per Thousand Resident Population)											
Males	727	739	751	762	774	785	797	808	822	834	846
Females	234	248	262	275	289	303	317	330	366	401	434
Economic Characteristics³											
Economically Active Persons Aged 60 Years & Over ('000)	45.5	45.6	44.0	40.7	40.6	40.6	43.4	50.7	47.0	52.5	54.4
Percentage of Total Economically Active	3.5	3.5	3.4	3.1	3.1	3.0	3.0	3.2	3.0	3.2	3.3
Employed Persons Aged 15-59 Years ('000)	1,206.4	1,224.4	1,191.4	1,175.3	1,227.1	1,291.4	1,351.0	1,486.3	1,477.9	1,524.1	1,538.5
Self-employed (%)	12.4	12.7	12.7	12.8	12.6	12.0	12.1	8.9	11.5	11.7	11.8
Employees (%)	85.5	85.4	85.4	85.4	85.2	86.3	86.6	90.1	87.4	87.4	87.3
Employed Persons Aged 60 Years & Over ('000)	44.8	44.7	43.2	39.1	39.7	40.2	43.0	50.7	46.5	52.0	53.5
Self-employed (%)	42.8	39.8	37.9	43.0	44.3	40.9	41.4	36.0	35.9	37.7	36.4
Employees (%)	53.8	56.3	58.4	52.5	52.0	55.8	56.1	61.7	61.7	60.0	62.0

1 Figures refer to Singapore residents only and data for 1990 are based on 1990 Population Census.

2 The rates were estimated based on the 1990 Population Census data.

3 Figures refer to Singapore residents and non-residents.

2.12 MARRIAGES REGISTERED BY ETHNIC GROUP OF COUPLE, 1983-1993

Number

Year	All Marriages Registered	Women's Charter					Muslim Law Act			
		Total	Chinese	Indians	Others	Inter-ethnic	Total	Malays	Others	Inter-ethnic
1983	21,711	17,117	15,226	1,029	124	738	4,594	3,657	255	682
1984	24,467	19,973	18,049	1,076	106	742	4,494	3,496	260	738
1985	23,058	18,495	16,603	1,117	82	693	4,563	3,576	261	726
1986	19,760	15,375	13,705	987	94	589	4,385	3,415	241	729
1987	23,100	18,635	16,769	1,050	99	717	4,465	3,545	248	672
1988	24,583	19,782	17,750	1,088	88	856	4,801	3,787	227	787
1989	23,340	18,546	16,468	1,134	110	834	4,794	3,763	269	762
1990	23,953	19,191	16,899	1,140	106	1,046	4,762	3,718	259	785
1991	24,791	19,985	17,740	1,128	116	1,001	4,806	3,724	260	822
1992	25,784	21,025	18,709	1,069	124	1,123	4,759	3,658	266	835
1993	25,298	20,692	18,290	1,095	109	1,198	4,606	3,487	286	833

Note : Data on marriages registered under the Women's Charter exclude marriages previously solemnized under religious and customary rites.

Source : Registry of Marriages
Registry of Muslim Marriages

2.13 MARRIAGES BY AGE GROUP OF GROOMS AND BRIDES, 1991-1993

Age Group (Years)	1991				1992				1993				Number
	Grooms		Brides		Grooms		Brides		Grooms		Brides		
	Women's Charter	Muslim Law Act	Women's Charter	Muslim Law Act	Women's Charter	Muslim Law Act	Women's Charter	Muslim Law Act	Women's Charter	Muslim Law Act	Women's Charter	Muslim Law Act	
All Ages	19,985	4,806	19,985	4,806	21,025	4,759	21,025	4,759	20,692	4,606	20,692	4,606	
Under 20	89	69	716	563	89	56	749	492	89	84	613	455	
20 - 24	3,051	1,103	7,440	2,066	2,854	967	7,583	2,006	2,635	854	7,363	1,843	
25 - 29	9,005	2,183	8,046	1,316	9,311	2,170	8,478	1,330	9,047	2,010	8,365	1,356	
30 - 34	5,079	829	2,564	481	5,507	859	2,821	489	5,496	929	2,829	497	
35 - 39	1,736	285	818	191	2,075	358	928	223	2,118	362	997	241	
40 - 44	586	150	261	109	682	151	325	121	740	151	337	111	
45 - 49	203	52	77	40	252	78	88	53	279	76	121	65	
50 & Over	236	135	63	40	255	120	53	45	288	140	67	38	

Note : See note to Table 2.12.

Source : Registry of Marriages
Registry of Muslim Marriages

2.14 AVERAGE AGE AT MARRIAGE OF GROOMS AND BRIDES, 1983-1993

Years

Year	All Marriages		Women's Charter		Muslim Law Act	
	Grooms	Brides	Grooms	Brides	Grooms	Brides
1983	28.1	24.9	28.3	25.2	27.3	24.0
1984	28.3	25.2	28.5	25.4	27.6	24.3
1985	28.3	25.3	28.5	25.5	27.7	24.5
1986	28.8	25.6	28.9	25.8	28.3	25.0
1987	29.0	25.9	29.1	26.1	28.5	25.2
1988	29.1	26.0	29.1	26.1	28.8	25.6
1989	29.3	26.2	29.4	26.3	28.7	25.4
1990	29.6	26.4	29.8	26.6	28.9	25.7
1991	29.7	26.5	29.8	26.7	29.2	25.8
1992	30.0	26.7	30.1	26.8	29.6	26.2
1993	30.3	26.9	30.4	27.0	29.9	26.5

Source : Registry of Marriages
Registry of Muslim Marriages

2.15 AGE SPECIFIC MARRIAGE RATES, 1970, 1980, 1986-1993

Age Group (Years)	1970	1980	1986	1987	1988	1989	1990	1991	1992	1993
Males (Per Thousand Unmarried Resident Males)										
15 - 19	1.6	1.7	1.0	1.0	0.8	1.1	1.2	1.4	1.3	1.6
20 - 24	52.4	49.9	35.8	37.9	38.8	39.3	36.0	36.1	32.9	29.6
25 - 29	173.0	140.1	87.3	104.1	112.1	104.3	110.7	112.2	116.7	110.7
30 - 34	171.7	138.0	92.5	107.8	111.7	103.9	98.2	108.5	109.9	107.0
35 - 39	113.1	106.3	70.4	87.7	77.1	77.6	69.4	78.2	79.9	78.1
40 - 44	59.5	62.8	60.6	61.1	59.5	63.3	42.1	51.4	50.5	53.0
General Marriage Rate (15-44)	51.6	55.0	45.7	53.4	56.3	55.2	53.6	56.6	57.7	56.0
Females (Per Thousand Unmarried Resident Females)										
15 - 19	19.1	18.4	12.4	11.9	10.8	10.7	11.1	10.9	10.1	8.8
20 - 24	123.8	110.5	77.5	87.9	94.6	88.5	87.4	86.9	80.4	73.0
25 - 29	192.3	136.5	94.1	124.3	130.3	114.4	136.0	139.4	134.7	133.3
30 - 34	99.1	74.3	59.2	74.3	76.7	76.7	70.3	76.8	74.9	75.1
35 - 39	46.0	43.6	31.9	37.8	38.1	35.8	37.0	37.7	36.9	38.7
40 - 44	18.1	22.0	17.3	19.3	20.7	20.3	14.8	15.7	17.6	18.0
General Marriage Rate (15-44)	67.3	68.9	53.9	63.9	67.1	61.7	62.1	63.9	61.3	59.7

Note: Figures for 1970 and 1980 were calculated from total marriages over total population, instead of marriages of residents over resident population.

Source: Registry of Marriages
Registry of Muslim Marriages

2.16 DIVORCES BY ETHNIC GROUP OF COUPLE, 1986-1993

Year	Women's Charter					Muslim Law Act				
	Total	Chinese	Indians	Others	Inter-ethnic	Total	Malays	Indians	Others	Inter-ethnic
	Number									
1986	1,822	1,578	137	18	89	786	617	35	9	125
1987	1,912	1,648	131	24	109	796	636	27	5	128
1988	2,023	1,792	122	16	93	893	714	31	9	139
1989	2,002	1,756	138	16	92	907	712	34	11	150
1990	2,662	2,339	192	22	109	972	762	53	9	148
1991	3,398	3,033	200	14	151	1,021	801	40	6	174
1992	2,942	2,552	227	17	146	1,002	790	38	6	168
1993	2,742	2,412	176	33	121	1,224	996	42	6	180
	Per Cent									
1986	100.0	86.6	7.5	1.0	4.9	100.0	78.5	4.5	1.1	15.9
1987	100.0	86.2	6.8	1.3	5.7	100.0	79.9	3.4	0.6	16.1
1988	100.0	88.6	6.0	0.8	4.6	100.0	79.9	3.5	1.0	15.6
1989	100.0	87.7	6.9	0.8	4.6	100.0	78.5	3.8	1.2	16.5
1990	100.0	87.9	7.2	0.8	4.1	100.0	78.4	5.5	0.9	15.2
1991	100.0	89.3	5.9	0.4	4.4	100.0	78.5	3.9	0.6	17.0
1992	100.0	86.7	7.7	0.6	5.0	100.0	78.8	3.8	0.6	16.8
1993	100.0	88.0	6.4	1.2	4.4	100.0	81.4	3.4	0.5	14.7

Note : Figures for divorces under the Women's Charter include annulments of marriage.

Source : Supreme Court
Syariah Court

2.17 DIVORCEES BY AGE GROUP AND SEX, 1991-1993

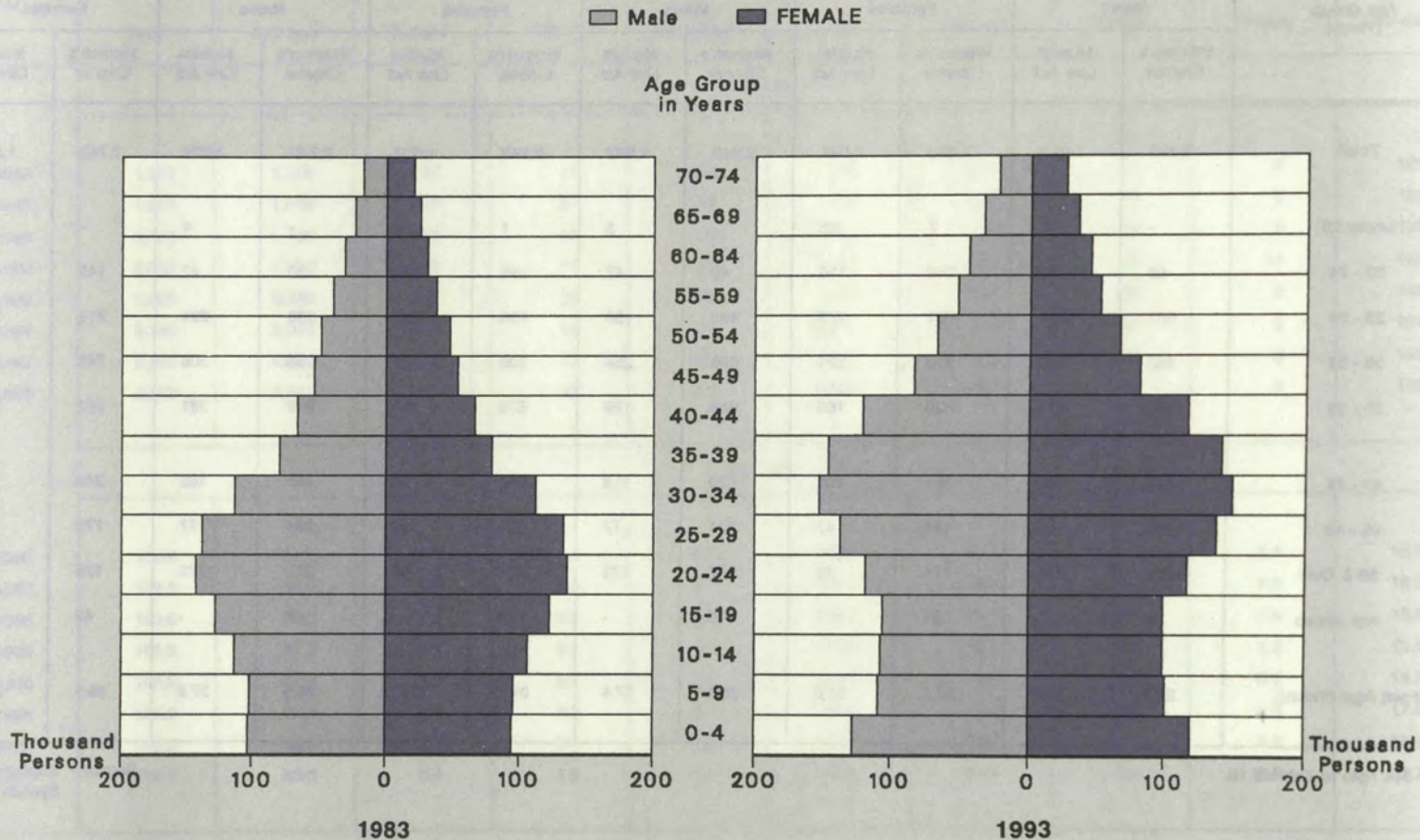
Age Group (Years)	1991				1992				1993				Number
	Males		Females		Males		Females		Males		Females		
	Women's Charter	Muslim Law Act	Women's Charter	Muslim Law Act	Women's Charter	Muslim Law Act	Women's Charter	Muslim Law Act	Women's Charter	Muslim Law Act	Women's Charter	Muslim Law Act	
Total	3,398	1,021	3,398	1,021	2,942	1,002	2,942	1,002	2,742	1,224	2,742	1,224	
Under 20	-	5	3	26	-	3	1	18	-	4	-	17	
20 - 24	69	52	249	136	40	47	195	120	20	42	145	153	
25 - 29	557	201	904	276	423	190	708	253	368	224	612	282	
30 - 34	886	268	913	221	696	254	736	225	656	308	743	299	
35 - 39	779	214	620	168	688	189	579	181	639	281	552	218	
40 - 44	545	130	361	101	520	119	362	99	486	162	349	123	
45 - 49	222	46	156	47	221	77	163	50	264	77	170	72	
50 & Over	260	105	111	46	279	123	124	56	263	126	125	60	
Not Stated	80	-	81	-	75	-	74	-	46	-	46	-	
Mean Age (Years)	37.2	36.7	33.8	33.0	38.1	37.4	34.7	33.7	38.5	37.3	35.1	33.8	

le : See note to Table 2.16.

Source : Supreme Court
Syariah Court

CHART 1

AGE DISTRIBUTION OF SINGAPORE RESIDENTS, 1983 AND 1993



3 LABOUR, EMPLOYMENT, PRODUCTIVITY MOVEMENT AND TRAINING

3 LABOUR, EMPLOYMENT AND PRODUCTIVITY MOVEMENT

Labour Force

Labour Force data were based on annual labour force surveys. The data refer to persons aged fifteen years and over. The reference time is end-June of the respective year.

Definitions

Employed Persons : Refers to those who, during the reference week i) worked for one hour or more either for pay, profit or for family gains ii) had a job or business but were temporarily absent because of illness, injury, mechanical breakdown, labour-management dispute or other reasons.

Unemployed Persons : Refers to those who did not work during the reference period but were available for work and were looking for a job with pay. Persons in the process of starting their own business or taking up a new job after the reference period were also considered as unemployed.

Economically Active Persons : Refers to those who were either employed or unemployed during the reference week.

Economically Inactive Persons : Refers to those who were not working, did not have a job to return to and were not looking for a job during the reference period.

Age-Sex Specific Participation Rate : This refers to the percentage of economically active population to the total population in the specific age-sex groups.

Unemployment Rate : This refers to the percentage of unemployed persons to the total economically active population.

Productivity : This refers to the output per worker in terms of value added at 1985 prices.

Monthly Earnings and Occupational Wages

Statistics on average monthly earnings of workers are compiled based on the payroll of CPF contributors. Data on occupational wages are compiled from the Occupational Wages Survey conducted by the Central Provident Fund (CPF) Board on behalf of the Ministry of Labour. It covers the wages of CPF contributors based on a sample of establishments with at least 25 employees in the private sector.

Definitions

Monthly Earnings : Refers to all remuneration received before deduction of the employees' CPF contribution and personal income tax. It includes annual wage supplement and variable payments/bonuses.

Basic Wage : Refers to payment for work done on piece rate or on an hourly, daily or monthly basis, before deduction of the employees' CPF contribution and personal income tax. It excludes overtime payments, commissions, annual wage supplement, variable payments/bonuses, employer's CPF contributions, Skill Development Fund levy, shift/food/housing/transport allowances, other monetary payments and payments in kind.

Gross Wage : Includes basic wage, overtime payments, commissions, shift/food/housing/transport allowances and other monetary payments. It excludes bonuses.

Hours Worked

Statistics on weekly hours worked are compiled from various establishment surveys conducted over the years by the Ministry of Labour. Prior to 1988, the coverage included private and public sector establishments with at least 10 workers. From 1988, only private sector establishments with at least 25 workers are included. The data for the two periods are thus not strictly comparable.

Definitions

Weekly Hours : Refers to the total number of hours worked during the reference week of the survey. It is the sum of standard hours and overtime hours worked.

Similar data are published in the "Singapore Yearbook of Labour Statistics" published by the Research and Statistics Department of the Ministry of Labour.

Employment Service

The Work Permit and Employment Department of the Ministry of Labour provides free service to Singapore citizens and permanent residents seeking employment and assists employers to recruit workers. Registration for employment assistance by job seeker and notification of job vacancies by employers are voluntary.

Definitions

A registrant refers to an unemployed job seeker who is registered for employment assistance at the Department. Each registration is valid for 6 months. If a registrant wants further assistance after the period, he has to renew his registration.

A new registrant refers to an unemployed registrant seeking employment assistance the first time or an ex-

registrant who is re-registered for employment assistance after a break between his previous and current registration.

Statistics on the number of registrants and the number of vacancies notified and filled are compiled from administrative records.

Central Provident Fund

The Central Provident Fund was set up in 1955 to provide financial security for workers in their retirement or when they are no longer able to work. Over the years, it has evolved into a comprehensive social security scheme, which aims at catering to not only a member's retirement, but also his home ownership and health care needs.

Both the worker and his employer contribute to the worker's savings with the CPF. Different contribution rates apply to workers in different age groups. Each member has three accounts: the Ordinary, Medisave and Special Accounts.

Members can withdraw their CPF savings when they reach 55 years of age after setting aside a minimum sum in their Retirement Account. This is to ensure that they have a

minimum regular income to meet their basic needs during retirement. Members are encouraged to buy approved life annuities with their minimum sums as these give them a guaranteed income for life. Alternatively, they may deposit their savings with approved banks or continue to keep it with the CPF Board. Members may pledge their properties in place of the minimum sum. Since 1 April 1987, Singaporeans and permanent residents can also top up their own or their parents' Retirement Accounts through transfers from their own CPF savings or with cash. Members can also withdraw their CPF savings if they leave Singapore and West Malaysia permanently or if they are permanently disabled.

CPF savings can be used under the various CPF schemes. Savings in the Ordinary Account can be used for housing, approved investments, insurance, education and transfers to top-up parents' Retirement Accounts. Medisave Account savings can be used for hospitalisation expenses and medical insurance, while savings in the Special Account are reserved for old age and contingency purposes.

Savings in the CPF earn a fair rate of interest and are tax-exempt. Since March 1986, the CPF Board has been paying market-related interest rate on members' savings and the rate is adjusted every six months.

CPF Contribution Rates wef 1 July 1993 for Employees other than those in the Pensionable Civil Service

	Contribution by the employer	Contribution by the employee
For employees who are below 55 years		
Employee's total wages for the month		
Not exceeding \$50	Nil	Nil
Between \$50 and \$200	18.5% of total wages	Nil
Between \$200 and \$363	18.5% of ordinary wages	6.5% plus one-third of (total wages minus \$200)
Exceeding \$363	18.5% of ordinary wages up to a maximum of \$1,110 plus 18.5% of additional wages	21.5% of ordinary wages up to a maximum of \$1,290 plus 21.5% of additional wages
For employees who are 55 years or older		
Age of employee		
55 to 59 years	7.5% of total wages	12.5% of total wages
60 to 64 years	7.5% of total wages	7.5% of total wages
65 and older	5% of total wages	5% of total wages

The Productivity Movement

The National Productivity and Quality Council (NPQC) is a non-executive body, entrusted with the task of spearheading the Productivity and Quality Movement in Singapore. It has a tripartite membership, comprising members from the employers groups, employers of the private sector, labour unions, academia and the Government. Its specific objectives are as follows :

- a. To give key inputs to Government on productivity and quality issues related to labour management practices, investment promotion, industry upgrading and trade;
- b. To develop productivity and quality strategies for the country and review rolling five-year plans annually;

- c. To oversee and coordinate the implementation of the quality strategies.

The Council Chairman and Deputy Chairman are the chairmen of NPB and SISIR respectively. Members are appointed for a term of 2 years by the Government. NPB and SISIR serve as the joint secretariat to the Council as well as the NPQC's main implementing arms.

Trade Unions

Data on trade unions and membership are compiled from returns submitted to the Registrar of Trade Unions and cover both employees' and employers' unions.

3.1 LABOUR FORCE, 1983-1993

	Labour Force Aged 15 Years and Over							Participation Rate		Unemployment Rate
Mid-year	Total			Employed		Unemployed				
	Persons	Males	Females	Males	Females	Males	Females	Males	Females	
	Thousand							Per Cent		
1983	1,292.8	833.6	459.3	806.7	444.6	26.9	14.6	81.6	45.7	3.2
1984	1,304.4	829.9	474.4	808.1	461.1	21.8	13.4	81.2	45.8	2.7
1985	1,287.8	819.4	468.4	785.4	449.2	34.1	19.1	79.9	44.9	4.1
1986	1,298.5	817.4	481.1	759.9	454.6	57.5	26.5	79.4	45.6	6.5
1987	1,329.3	827.2	502.1	785.0	481.8	42.2	20.3	78.6	47.0	4.7
1988	1,377.7	846.3	531.5	813.9	517.7	32.4	13.8	78.5	47.8	3.3
1989	1,424.7	865.1	559.7	844.8	549.2	20.2	10.5	78.6	48.4	2.2
1990 ¹	1,562.8	934.3	628.5	916.7	620.3	17.6	8.2	79.0	53.0	1.7
1991	1,554.3	936.4	617.9	917.8	606.5	18.7	11.3	79.8	50.5	1.9
1992	1,619.6	970.8	648.8	944.3	631.8	26.4	17.0	79.9	51.3	2.7
1993	1,635.7	977.5	658.2	952.3	639.7	25.2	18.5	79.1	50.6	2.7

Census of Population.

Source : Ministry of Labour
(Other than Census year)

3.2 AGE-SEX SPECIFIC LABOUR FORCE PARTICIPATION RATES, 1983 AND 1990-1993

Per Cent

Age Group (Years)	1983			1990 ¹			1991			1992			1993		
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
Total	63.8	81.6	45.7	66.0	79.0	53.0	64.8	79.8	50.5	65.3	79.9	51.3	64.5	79.1	50.6
15 - 19	41.4	41.9	40.8	30.9	30.0	31.8	30.4	31.1	29.8	29.3	30.0	28.6	25.3	25.1	25.6
20 - 24	85.5	91.9	78.7	82.5	82.8	82.2	82.9	83.1	82.6	81.2	82.3	80.2	80.2	81.0	79.4
25 - 29	80.8	97.5	63.8	86.4	94.8	77.9	86.0	97.0	75.6	87.0	97.0	77.8	86.5	96.0	77.6
30 - 34	73.8	98.4	48.5	80.5	95.4	65.4	79.8	98.7	61.9	81.5	98.6	64.7	80.5	98.4	64.3
35 - 39	71.5	98.4	44.7	77.4	96.4	57.9	77.5	99.1	56.0	77.3	98.5	56.9	77.5	98.4	57.7
40 - 44	68.6	98.3	39.7	75.7	96.7	54.2	75.9	98.4	54.2	76.0	98.2	54.5	76.3	98.1	54.6
45 - 49	64.0	96.6	32.1	70.7	94.7	45.9	70.3	96.5	46.2	71.6	96.1	47.6	73.0	96.6	49.3
50 - 54	58.2	89.4	25.4	62.2	88.2	35.6	63.2	92.5	34.1	62.6	89.4	36.6	63.1	90.0	36.8
55 - 59	46.9	73.7	18.2	45.6	69.0	22.4	46.3	71.0	21.2	47.3	71.3	22.7	47.0	71.9	23.9
60 - 64	33.7	54.1	12.4	31.4	49.5	13.8	29.7	46.9	12.3	30.5	49.2	12.6	30.6	50.9	10.9
65 - 69	24.3	40.0	9.0	22.2	35.2	9.8	17.3	29.3	6.3	20.5	33.8	7.4	19.0	33.1	6.4
70 - 74	15.3	26.7	5.7	13.8	22.9	6.3	10.2	17.4	4.2	11.8	20.1	5.3	11.9	20.6	3.4
75 & Over	7.4	14.8	2.5	6.5	11.8	2.9	4.9	9.6	1.9	4.7	9.6	1.3	4.5	8.2	1.9

1 Census of Population.

Source : Ministry of Labour
(Other than Census year)

3.3 EMPLOYED PERSONS AGED 15 YEARS AND OVER BY INDUSTRY, 1983-1993

Thousand

Industry	1983	1984	1985	1986	1987	1988	1989	1990 ¹	1991	1992	1993
Total	1,251.2	1,269.1	1,234.6	1,214.4	1,266.9	1,331.6	1,394.0	1,537.0	1,524.3	1,576.2	1,592.0
Agriculture, Fishing & Quarrying	15.1	11.6	11.3	11.5	11.6	6.7	7.2	5.9	4.7	5.5	4.2
Manufacturing	347.6	348.1	314.2	306.6	338.7	379.1	403.7	447.4	429.6	434.1	429.5
Utilities	9.1	9.9	8.2	8.2	7.6	8.4	7.5	6.7	7.1	8.0	7.5
Construction	90.0	107.8	110.0	105.2	97.2	89.6	92.2	122.1	99.0	103.2	102.1
Commerce	284.0	285.8	290.0	280.7	296.7	304.9	318.1	337.5	345.3	356.0	363.6
Transport & Communications	141.3	132.2	125.1	120.6	128.5	129.2	137.7	146.6	152.9	158.4	166.8
Financial & Business Services	101.8	109.0	107.7	105.6	112.3	127.5	137.2	167.2	163.3	171.4	173.4
Other Services	260.5	261.7	265.6	274.0	272.6	284.3	289.1	303.5	322.0	339.2	344.1
Activities Not Adequately Defined	1.7	3.0	2.6	1.9	1.7	1.9	1.3	-	0.3	0.2	0.8

Notes : The Industries are classified according to the Singapore Standard Industrial Classification (SSIC) 1990.
Data for 1983 to 1989 have been revised according to SSIC 1990.
Figures may not add up due to rounding.

Source : Ministry of Labour
(Other than Census year)

1 Census of Population.

3.4 EMPLOYED PERSONS AGED 15 YEARS AND OVER BY OCCUPATION, 1983-1993

Thousand

Occupation	1983	1984	1985	1986	1987	1988	1989	1990 ¹	1991	1992	1993
Total	1,251.2	1,269.2	1,234.6	1,214.4	1,266.9	1,331.6	1,394.0	1,537.0	1,524.3	1,576.2	1,592.0
Legislators, Senior Officials and Managers	94.4	98.1	94.3	89.6	93.8	104.9	117.2	132.1	137.4	157.6	167.0
Professionals	55.1	57.1	56.1	54.6	59.7	61.7	70.3	64.1	77.3	91.6	97.0
Technicians and Associate Professionals	112.3	121.5	122.0	123.7	132.3	153.0	161.8	176.5	185.7	216.5	224.4
Clerical Workers	185.4	188.2	178.0	174.2	178.9	186.5	193.5	201.9	225.5	225.2	233.4
Service Workers, Shop and Market Sales Workers	190.3	194.9	190.0	187.5	199.3	201.0	204.2	212.4	215.7	214.5	215.6
Agricultural and Fishery Workers	16.8	13.8	13.4	13.5	15.2	9.6	9.9	4.2	2.8	3.1	2.3
Production Craftsmen, Plant and Machine Operators, Cleaners and Labourers	539.9	545.1	522.5	510.1	527.9	554.1	579.4	684.4	616.4	602.3	589.9
Others	57.0	50.5	58.4	61.2	59.7	60.9	57.8	61.4	63.6	65.4	62.4

Notes : The occupations are classified according to the Singapore Standard Occupational Classification (SSOC) 1990.

Data for 1983 to 1989 have been revised according to the SSOC 1990.

Figures may not add up due to rounding.

Source : Ministry of Labour
(Other than Census year)

1 Census of Population.

3.5 EMPLOYED PERSONS AGED 15 YEARS AND OVER BY INDUSTRY AND OCCUPATIONAL STATUS, 1993

Thousand

Industry	Occupational Status				
	Total	Employers	Own Account Workers	Employees	Unpaid Family Workers
Total	1,592.0	94.2	107.5	1,376.1	14.3
Agriculture, Fishing & Quarrying	4.2	0.5	0.8	2.9	0.1
Manufacturing	429.5	16.3	5.8	406.4	1.0
Utilities	7.5	-	-	7.5	-
Construction	102.1	12.2	6.9	82.7	0.3
Commerce	363.6	43.0	43.4	265.2	12.0
Transport & Communications	166.8	4.8	30.4	131.4	0.1
Financial & Business Services	173.4	9.8	6.9	156.3	0.4
Other Services	344.1	7.5	13.3	322.9	0.5
Activities Not Adequately Defined	0.8	-	-	0.8	-

Note : The industries are classified according to the Singapore Standard Industrial Classification (SSIC) 1990.

Source : Ministry of Labour

3.6 EMPLOYED PERSONS AGED 15 YEARS AND OVER BY INDUSTRY AND OCCUPATION, 1993

Thousand

Industry \ Occupation									
	Total	Legislators, Senior Officials and Managers	Professionals	Technicians and Associate Professionals	Clerical Workers	Service Workers, Shop and Market Sales Workers	Agricultural and Fishery Workers	Production Craftsmen, Plant and Machine Operators, Cleaners and Labourers	Workers Not Classifiable by Occupation
Total	1,592.0	167.0	97.0	224.4	233.4	215.6	2.3	589.9	62.4
Agriculture, Fishing & Quarrying	4.2	0.6	0.1	0.1	0.2	-	1.8	1.4	-
Manufacturing	429.5	37.2	20.6	53.0	48.7	4.2	-	265.7	-
Utilities	7.5	0.1	0.8	1.9	1.7	0.3	-	2.7	-
Construction	102.1	15.0	4.9	6.6	6.8	0.2	-	68.5	-
Commerce	363.6	74.9	5.1	27.0	54.8	159.4	-	42.4	-
Transport & Communications	166.8	11.3	4.6	21.6	34.6	11.3	-	83.3	-
Financial & Business Services	173.4	21.1	22.7	48.1	51.7	9.0	-	20.8	-
Other Services	344.1	6.8	38.2	66.0	35.0	31.1	0.5	104.3	62.3
Activities Not Adequately Defined	0.8	-	-	-	-	-	-	0.7	0.1

Note : The industries and occupations are classified according to the Singapore Standard Industrial Classification 1990 and Singapore Standard Occupational Classification 1990.

Source : Ministry of Labour

3.7 GOVERNMENT EMPLOYEES BY DIVISIONAL STATUS, 1983-1993

Divisional Status	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993 ^P
Total	Number										
	69,051	69,298	69,630	70,001	69,494	68,336	65,753	63,392	62,062	59,751	59,701
	8,911	9,547	10,158	11,047	11,433	11,518	12,029	12,348	12,534	13,117	13,611
	23,441	23,101	22,915	22,942	22,611	22,766	21,782	21,095	20,646	20,058	19,872
	22,162	22,251	22,369	21,963	21,794	20,901	20,110	20,150	20,369	18,918	18,770
Division IV	14,537	14,399	14,188	14,049	13,656	13,151	11,832	9,799	8,513	7,658	7,448
Total	Per Cent										
	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	12.9	13.8	14.6	15.8	16.4	16.9	18.3	19.5	20.2	21.9	22.8
	33.9	33.3	32.9	32.8	32.5	33.3	33.1	33.3	33.3	33.6	33.3
	32.1	32.1	32.1	31.4	31.4	30.6	30.6	31.8	32.8	31.7	31.4
Division IV	21.1	20.8	20.4	20.0	19.7	19.2	18.0	15.4	13.7	12.8	12.5

Note : Figures exclude daily-rated employees.

Source : Public Service Commission

3.8 CHANGES IN PRODUCTIVITY BY INDUSTRY, 1983-1993

													Per Cent
Industry	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993 ^P		
Total	5.3	6.9	3.1	6.3	4.8	4.5	4.8	3.9	1.5	3.3	6.4		
Total excluding Construction	5.1	6.7	2.4	7.1	4.8	4.4	5.0	4.1	1.7	2.8	7.9		
Manufacturing	9.1	7.2	-1.5	13.6	3.7	2.0	3.8	4.6	3.5	3.8	12.9		
Construction	10.1	9.0	5.7	-4.3	0.8	2.2	-	1.2	2.6	12.3	-8.1		
Commerce	2.1	4.5	0.4	5.5	5.9	10.8	4.1	6.3	3.6	1.6	5.6		
Transport & Communications	8.8	11.9	5.2	10.7	6.3	6.6	5.0	4.9	4.8	5.5	4.1		
Financial & Business Services	4.3	7.7	12.0	0.7	8.3	1.3	2.3	2.5	0.5	0.9	6.4		

Source : Department of Statistics
Ministry of Labour

3.9 AVERAGE MONTHLY EARNINGS BY INDUSTRY, 1983-1993

Dollars

Industry	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
	Nominal										
Total	947	1,048	1,131	1,140	1,176	1,273	1,398	1,528	1,669	1,794	1,918
Manufacturing	818	892	964	976	1,009	1,116	1,243	1,395	1,552	1,686	1,818
Construction	863	908	939	929	926	1,005	1,128	1,275	1,426	1,622	1,713
Commerce	799	892	935	945	977	1,049	1,174	1,305	1,419	1,534	1,631
Transport, Storage & Communications	1,024	1,131	1,213	1,233	1,305	1,373	1,488	1,610	1,677	1,799	1,973
Financing, Insurance, Real Estate & Business Services	1,246	1,390	1,491	1,507	1,564	1,686	1,835	1,996	2,158	2,245	2,374
Community, Social & Personal Services	1,116	1,257	1,375	1,364	1,400	1,517	1,621	1,678	1,844	1,977	2,084

Note : Average monthly earnings are computed using data obtained from the CPF Board. It includes bonuses, if any, but excludes employer's CPF contributions. For 1993, figures exclude all identifiable self-employed.

Source : Ministry of Labour

3.10 AVERAGE BASIC AND GROSS WAGES BY OCCUPATION, 1993

Dollars

Occupation	Basic Wage			Gross Wage		
	Persons	Males	Females	Persons	Males	Females
Managers	5,138	5,491	4,131	5,317	5,689	4,261
Professionals	3,017	3,183	2,715	3,264	3,523	2,806
Technicians and Associate Professionals	2,062	2,183	1,886	2,494	2,782	2,046
Clerical Workers	1,147	1,214	1,126	1,314	1,485	1,259
Service Workers and Shop and Market Sales Workers	1,002	1,083	889	1,377	1,461	1,274
Production Craftsmen and Related Workers	1,139	1,198	771	1,501	1,619	915
Plant and Machine Operators and Assemblers	882	1,081	687	1,234	1,572	919
Cleaners, Labourers and Related Workers	775	813	725	1,029	1,102	932

Source : Ministry of Labour

3.11 AVERAGE WEEKLY HOURS WORKED BY INDUSTRY, 1983-1993

Industry	Hours										
	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
	As at August			As at June		As at September					
TOTAL	45.6	45.6	44.6	45.1	45.5	45.6	46.6	46.5	46.7	46.6	46.9
Agriculture & Fishing	44.4	44.2	44.1	44.9	44.8	44.9	46.4	45.8	46.5	45.2	44.4
Quarrying	49.2	48.0	46.5	46.6	49.4	52.3	51.1	57.0	53.0	54.7	47.8
Manufacturing	48.1	47.8	46.5	47.7	48.4	47.4	48.6	48.5	48.7	48.7	49.2
Utilities	48.3	47.7	47.3	47.3	46.6	na	na	na	na	na	na
Construction	50.5	52.2	51.0	50.0	49.5	48.2	50.0	49.7	50.0	50.5	50.6
Commerce	43.9	43.5	43.3	42.9	42.8	41.7	42.0	42.3	42.7	42.6	42.8
Transport & Communications	46.5	46.0	45.1	45.8	46.0	45.6	47.8	47.5	47.6	46.8	46.8
Financial & Business Services	43.3	43.3	43.3	43.7	43.6	44.2	44.6	44.7	44.0	44.1	44.2
Other Services	39.9	39.4	39.2	39.8	40.8	41.7	41.4	41.4	41.5	42.0	41.7

Note : The data for 1988-1993 refer to private sector firms with at least 25 workers, while those for 1983-1987 refer to private and public sector firms with at least 10 workers. They are thus not strictly comparable.

Source : Ministry of Labour

3.12 EMPLOYMENT SERVICE, 1983-1993

										Number
Year	Number on 'Live' Register ¹	New Registrants			Vacancies Notified			Vacancies Filled		
		Persons	Males	Females	Persons ²	Males	Females	Persons	Males	Females
1983	6,053	12,686	7,968	4,718	29,449	16,261	13,188	4,345	2,986	1,359
1984	6,026	11,162	6,928	4,234	25,632	14,974	10,658	3,743	2,268	1,475
1985	9,897	18,155	11,104	7,051	26,176	13,348	12,828	3,424	2,072	1,352
1986	8,910	18,345	12,997	5,348	38,242	18,262	19,980	2,863	2,049	814
1987	5,703	15,655	10,801	4,854	48,633	21,738	26,895	3,228	2,168	1,060
1988	3,389	9,191	6,177	3,014	37,798	20,380	17,418	2,344	1,509	835
1989	1,885	5,260	3,569	1,691	41,268	22,742	18,526	1,574	1,099	475
1990	1,187	3,462	2,396	1,066	27,624	14,658	12,966	982	643	339
1991	1,037	2,669	1,773	896	28,385	3,649	2,992	933	557	376
1992	891	2,332	1,540	792	23,890	2,971	1,665	797	560	237
1993	975	2,373	1,569	804	16,483	1,452	1,491	765	484	281

- 1 At end of period. Figures exclude those who already have jobs as confirmed by the Central Provident Fund Board's employment records.
- 2 Figures from 1991 include those unspecified by sex.

Source : Ministry of Labour

3.13 CENTRAL PROVIDENT FUND CONTRIBUTORS BY AGE GROUP, 1983-1993 (End of Period)

Age Group (Years)	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Thousand											
Total	917.9	943.0	889.6	912.0	935.3	963.8	988.6	1,021.7	1,052.4	1,074.0	1,107.1
Up to 20	72.1	69.1	47.6	44.4	43.5	40.2	41.4	42.8	42.2	39.6	40.0
20 - 25	203.3	202.2	181.0	177.3	168.7	159.3	148.5	143.0	137.8	135.7	136.5
25 - 30	197.0	203.0	198.1	203.8	206.1	208.8	207.8	206.9	207.0	205.4	204.0
30 - 35	142.4	149.5	149.8	159.8	168.9	178.3	184.2	190.4	194.3	196.8	199.7
35 - 40	91.8	104.9	113.2	119.6	126.6	135.3	142.9	151.6	161.1	168.3	175.5
40 - 45	63.9	63.5	59.4	65.2	77.6	89.3	103.0	117.9	125.6	130.7	137.5
45 - 50	50.5	54.0	54.3	56.5	57.5	59.8	60.5	60.6	68.0	79.0	89.0
50 - 55	37.6	38.4	38.8	39.2	40.3	44.0	48.2	51.7	55.2	55.3	56.9
55 - 60	23.1	24.2	23.4	22.9	23.5	25.0	27.1	30.1	31.9	32.8	35.7
Over 60	21.4	21.6	20.5	19.7	20.1	21.5	23.8	26.2	28.6	29.9	31.8
Not specified	14.8	12.6	3.5	3.6	2.5	2.3	1.2	0.7	0.5	0.5	0.5
Per Cent											
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Up to 20	7.9	7.4	5.3	4.8	4.7	4.2	4.2	4.2	4.0	3.7	3.6
20 - 25	22.1	21.4	20.4	19.4	18.0	16.5	15.0	14.0	13.1	12.6	12.3
25 - 30	21.5	21.5	22.3	22.4	22.0	21.7	21.0	20.3	19.7	19.1	18.4
30 - 35	15.5	15.9	16.8	17.5	18.1	18.5	18.6	18.6	18.5	18.3	18.0
35 - 40	10.0	11.1	12.7	13.1	13.5	14.0	14.5	14.8	15.3	15.7	16.0
40 - 45	7.0	6.7	6.7	7.2	8.3	9.3	10.4	11.5	11.9	12.2	12.4
45 - 50	5.5	5.7	6.1	6.2	6.2	6.2	6.1	5.9	6.5	7.4	8.0
50 - 55	4.1	4.1	4.4	4.3	4.3	4.6	4.9	5.1	5.3	5.1	5.1
55 - 60	2.5	2.6	2.6	2.5	2.5	2.6	2.8	2.9	3.0	3.1	3.2
Over 60	2.3	2.3	2.3	2.2	2.1	2.2	2.4	2.6	2.7	2.8	2.9
Not specified	1.6	1.3	0.4	0.4	0.3	0.2	0.1	0.1	-	-	0.1

Note : Age groups have been re-classified.

Source : Central Provident Fund Board

Data for 1991 and before include self-employed who had made CPF contributions while those from 1992 exclude all self-employed.

3.14 CENTRAL PROVIDENT FUND CONTRIBUTORS BY WAGE LEVEL, 1983-1993 (End of Period)

Monthly Wage Level (\$)	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Thousand											
Total	917.9	943.0	889.6	912.0	935.3	963.8	988.6	1,021.7	1,052.4	1,074.0	1,107.1
Below 200	34.3	35.5	24.6	23.8	23.0	19.4	20.1	19.4	18.4	16.6	16.5
200 - 299	77.4	73.1	57.4	55.1	51.4	42.9	36.0	32.3	29.0	22.9	21.3
300 - 399	85.0	64.8	56.6	60.6	55.4	40.4	38.3	33.5	29.8	24.7	23.6
400 - 499	110.7	91.6	81.3	82.0	76.4	60.2	41.9	36.8	29.4	25.8	23.6
500 - 599	102.5	105.6	101.1	101.7	100.4	87.6	70.5	54.1	41.9	37.8	34.4
600 - 799	140.0	153.5	150.7	157.2	156.7	172.0	170.7	149.6	126.3	106.4	89.4
800 - 999	97.3	102.0	101.2	105.3	111.0	126.7	135.3	139.9	139.7	133.5	121.3
1,000 - 1,499	129.1	147.3	144.9	148.8	158.1	186.9	206.1	229.7	251.2	263.2	270.5
1,500 - 1,999	55.6	66.3	65.2	67.5	74.4	89.9	105.1	125.2	144.6	165.3	184.0
2,000 - 2,499	29.6	35.7	36.2	36.8	41.2	47.9	54.6	68.1	79.7	90.5	104.6
2,500 - 2,999	17.0	19.6	20.7	21.5	24.4	26.8	33.5	40.0	45.9	53.1	60.8
3,000 & Over	32.2	43.4	45.9	47.9	59.8	61.5	73.9	91.1	113.7	130.2	152.0
Not specified	7.2	4.6	3.8	3.8	3.1	1.6	2.6	2.1	2.8	4.0	5.1
Per Cent											
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Below 200	3.7	3.8	2.7	2.6	2.5	2.0	2.0	1.9	1.8	1.6	1.5
200 - 299	8.4	7.7	6.5	6.0	5.5	4.5	3.6	3.2	2.7	2.1	1.9
300 - 399	9.3	6.9	6.4	6.6	5.9	4.2	3.9	3.3	2.8	2.3	2.1
400 - 499	12.1	9.7	9.1	9.0	8.2	6.2	4.2	3.6	2.8	2.4	2.1
500 - 599	11.2	11.2	11.4	11.2	10.7	9.1	7.1	5.3	4.0	3.5	3.1
600 - 799	15.2	16.3	16.9	17.2	16.7	17.8	17.3	14.6	12.0	9.9	8.1
800 - 999	10.6	10.8	11.4	11.6	11.9	13.1	13.7	13.7	13.3	12.4	11.0
1,000 - 1,499	14.1	15.6	16.3	16.3	16.9	19.4	20.9	22.5	23.9	24.5	24.4
1,500 - 1,999	6.1	7.0	7.3	7.4	8.0	9.3	10.6	12.2	13.7	15.4	16.6
2,000 - 2,499	3.2	3.8	4.1	4.0	4.4	5.0	5.5	6.7	7.6	8.4	9.5
2,500 - 2,999	1.8	2.1	2.3	2.4	2.6	2.8	3.4	3.9	4.4	5.0	5.5
3,000 & Over	3.5	4.6	5.2	5.3	6.4	6.4	7.5	8.9	10.8	12.1	13.7
Not specified	0.8	0.5	0.4	0.4	0.3	0.2	0.3	0.2	0.2	0.4	0.5

Note : Data for 1991 and before include self-employed who had made CPF contributions while those from 1992 exclude all self-employed.

Source : Central Provident Fund Board

3.15 CENTRAL PROVIDENT FUND CONTRIBUTORS BY INDUSTRY, 1983-1993
(End of Period)

Industry	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
All Industries	Thousand										
	917.9	943.0	889.6	912.0	935.3	963.8	988.6	1,021.7	1,052.4	1,074.0	1,107.1
	2.3	2.4	2.4	2.6	2.4	2.3	2.2	2.0	1.9	2.4	2.7
	1.7	0.9	0.7	0.7	0.6	0.6	0.4	0.4	0.4	0.4	0.4
	261.0	283.0	251.4	271.1	287.5	297.6	301.5	298.4	297.9	298.0	294.4
	7.7	7.7	7.8	7.7	7.3	7.0	6.9	6.8	6.8	6.7	6.6
	47.9	58.6	54.2	51.6	44.2	41.3	38.7	40.1	42.0	48.5	53.9
	210.6	208.3	194.1	195.4	204.1	215.0	223.4	241.8	254.6	262.3	274.5
	95.1	93.3	90.3	90.0	91.9	98.0	103.1	107.4	110.0	106.6	109.3
	107.0	111.6	108.9	109.0	111.8	117.4	128.1	138.5	145.9	162.8	174.1
	174.3	176.7	179.8	183.9	185.5	184.5	184.2	186.4	192.6	186.2	191.1
	10.3	0.5	-	-	-	0.1	0.1	0.1	0.2	0.1	0.1
All Industries	Per Cent										
	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2
	0.2	0.1	0.1	0.1	0.1	0.1	-	-	-	-	-
	28.4	30.0	28.3	29.7	30.7	30.9	30.5	29.2	28.3	27.8	26.6
	0.8	0.8	0.9	0.8	0.8	0.7	0.7	0.7	0.7	0.6	0.6
	5.2	6.2	6.1	5.6	4.7	4.3	3.9	3.9	4.0	4.5	4.9
	22.9	22.1	21.8	21.4	21.8	22.3	22.6	23.7	24.2	24.4	24.8
	10.4	9.9	10.1	9.9	9.8	10.2	10.4	10.5	10.4	10.0	9.9
	11.7	11.8	12.2	12.0	12.0	12.2	13.0	13.6	13.9	15.2	15.7
	19.0	18.8	20.2	20.2	19.8	19.1	18.7	18.2	18.3	17.3	17.3
	1.1	-	-	-	-	-	-	-	-	-	-

Note : See note to Table 3.14.

Source : Central Provident Fund Board

3.16 CENTRAL PROVIDENT FUND MEMBERS BY AGE GROUP, 1983-1993 (End of Period)

Age Group (Years)	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Thousand											
Total	1,778.9	1,852.5	1,891.7	1,933.8	1,988.5	2,063.4	2,126.9	2,195.2	2,255.7	2,322.8	2,456.4
Up to 20	152.2	142.3	118.9	98.3	95.4	95.8	104.5	112.6	112.6	108.2	108.5
20 - 25	368.6	369.9	355.0	337.6	316.4	290.2	266.5	252.5	239.9	234.0	237.8
25 - 30	362.8	374.7	383.3	389.3	393.3	395.3	393.0	385.9	375.8	361.0	345.9
30 - 35	290.6	310.4	327.0	345.7	359.2	370.0	380.1	391.0	398.2	404.3	410.3
35 - 40	184.4	212.3	242.2	261.2	278.4	297.2	315.1	332.2	350.7	365.4	377.3
40 - 45	131.8	132.3	130.2	144.5	169.1	190.6	217.9	248.2	266.4	284.3	304.7
45 - 50	101.2	111.1	118.4	128.0	132.0	135.8	136.1	133.7	147.9	174.3	198.8
50 - 55	74.2	78.0	84.0	88.8	92.2	99.8	109.3	116.2	125.2	130.9	141.2
Over 55	88.3	94.7	105.5	112.6	122.0	157.2	173.6	192.1	208.4	229.9	301.5
Not specified	24.8	26.8	27.2	27.8	30.5	31.5	30.8	30.8	30.5	30.5	30.4
Per Cent											
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Up to 20	8.6	7.7	6.2	5.1	4.8	4.7	4.9	5.1	5.0	4.7	4.4
20 - 25	20.7	20.0	18.8	17.5	15.9	14.1	12.5	11.5	10.6	10.1	9.7
25 - 30	20.4	20.2	20.3	20.1	19.8	19.2	18.5	17.6	16.7	15.5	14.1
30 - 35	16.3	16.8	17.3	17.9	18.1	17.9	17.9	17.8	17.7	17.4	16.7
35 - 40	10.4	11.5	12.8	13.5	14.0	14.4	14.8	15.1	15.4	15.7	15.4
40 - 45	7.4	7.1	6.9	7.5	8.5	9.2	10.2	11.3	11.8	12.2	12.4
45 - 50	5.7	6.0	6.3	6.6	6.7	6.6	6.4	6.1	6.6	7.5	8.1
50 - 55	4.2	4.2	4.4	4.6	4.6	4.8	5.1	5.3	5.6	5.6	5.7
Over 55	5.9	5.1	5.6	5.8	6.1	7.6	8.2	8.8	9.2	10.0	12.3
Not specified	1.4	1.4	1.4	1.4	1.5	1.5	1.5	1.4	1.4	1.3	1.2

Note : Age groups have been re-classified.
Data include self-employed who had made CPF contributions.

Source : Central Provident Fund Board

3.17 PARTICIPANTS IN TRAINING COURSES CONDUCTED BY NATIONAL PRODUCTIVITY BOARD, 1987-1993

								Number
Courses	1987	1988	1989	1990	1991	1992	1993	
Total	12,814	13,175	20,608	21,823	18,991	26,013	30,060	
Executive Development Programmes	2,017	2,834	4,294	4,270	4,502	3,833	5,338	
Productivity Improvement Programmes	3,899	4,239	6,954	7,226	4,525	4,728	5,085	
Quality Control Circles (QCC) ¹	3,610	3,705	5,528	3,988	4,286	4,230	6,640	
Total Quality Programmes (TQP)	-	-	-	-	1,198 ²	3,453	2,934	
Productivity-Related Management Seminars/Conferences/Talks	3,288	2,397	3,832	4,299	1,725	2,469	2,033	
FAST FORWARD Courses	-	-	-	2,040 ³	2,755	7,300	8,030	

1 Prior to 1992, figures include Labour Management Relations.

2 Refers to period Apr 91 - Dec 91.

3 Refers to period Jul 90 - Dec 90.

Source : National Productivity Board

3.18 QUALITY CONTROL CIRCLES, 1983-1993 (End of Period)

	Number										
	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Registered Quality Control Circles	1,460	2,534	3,519	4,670	5,750	7,493	9,000	10,363	11,720	13,627	14,264
Organisations (Companies, Government Bodies & Statutory Boards)	98	128	143	156	168	186	199	212	234	278	304
Membership	10,861	18,723	25,670	33,971	41,164	53,935	65,032	76,228	81,169	100,089	104,996

Source : National Productivity Board

3.19 TRADE UNIONS AND MEMBERSHIP, 1983-1993

Number

End of Year	Employee Class		Employer Class	
	Unions	Members	Unions	Members
1983	90	205,155	42	6,579
1984	86	192,394	7	997
1985	84	201,132	5	1,170
1986	83	200,613	5	1,146
1987	93	205,717	5	1,188
1988	83	210,918	5	1,203
1989	86	212,874	5	1,207
1990	83	212,204	5	1,039
1991	83	217,086	4	1,064
1992	81	228,686	3	1,052
1993	82	235,723	3	1,045

Source : Ministry of Labour

CHART 2

LABOUR FORCE, 1983-1993 (Aged 15 Years and Over)

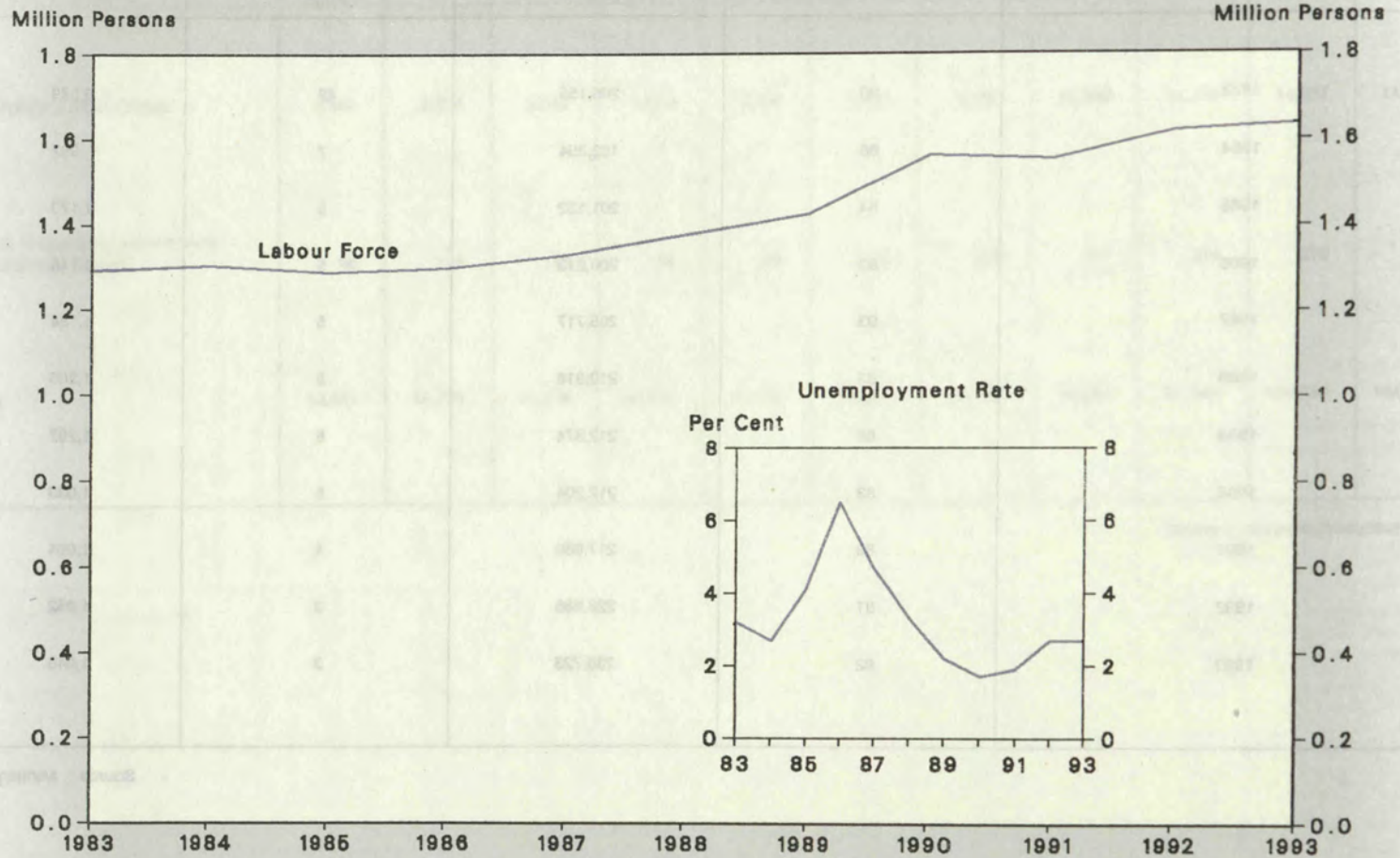


CHART 3

AGE-SEX SPECIFIC LABOUR FORCE PARTICIPATION RATES, 1983 AND 1993

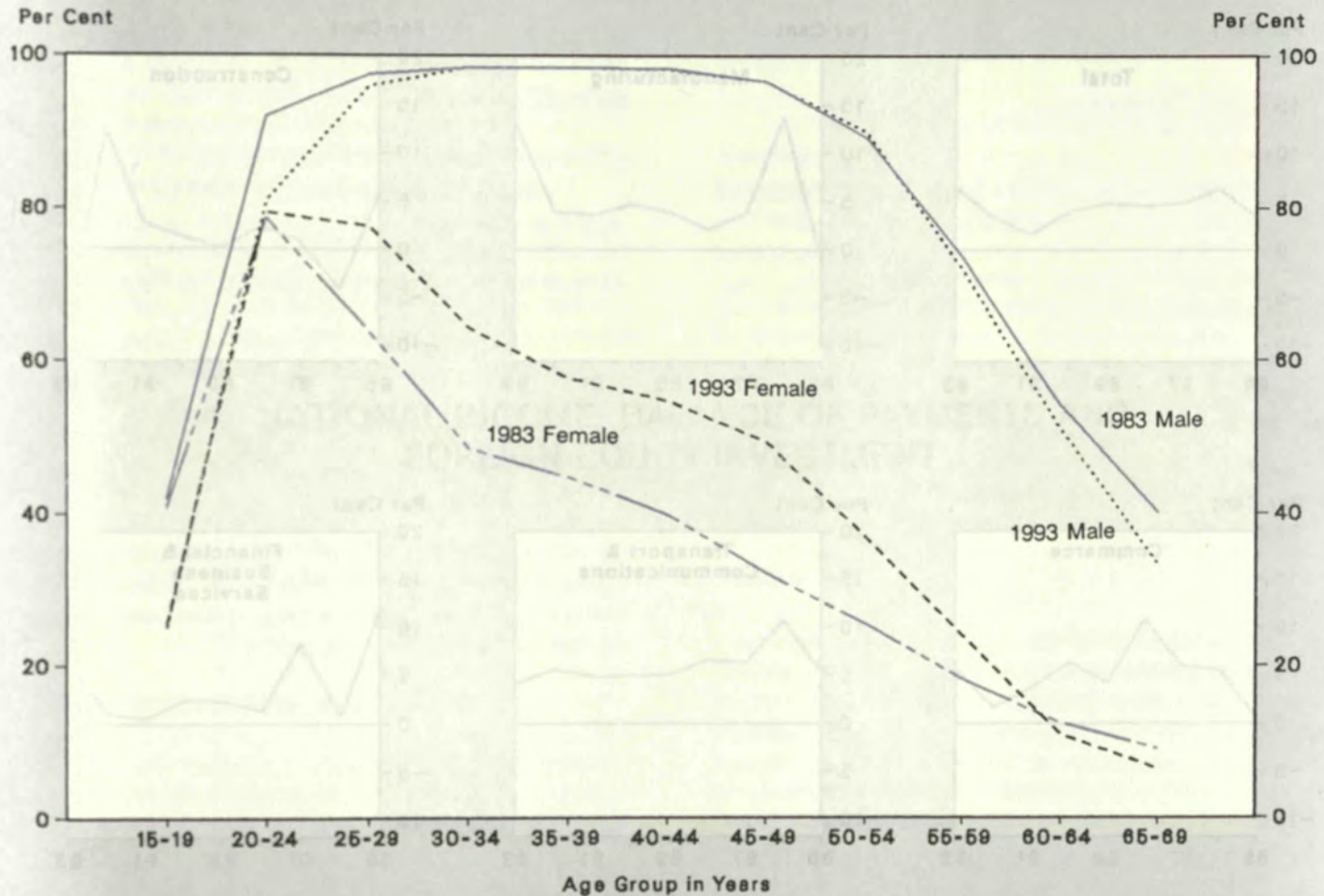
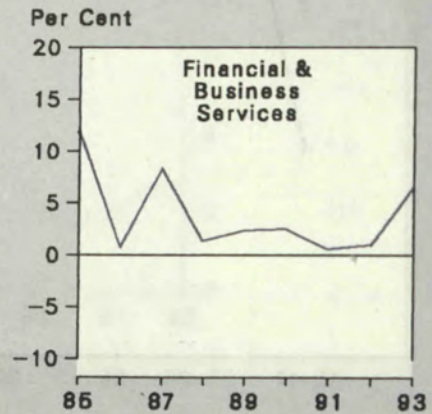
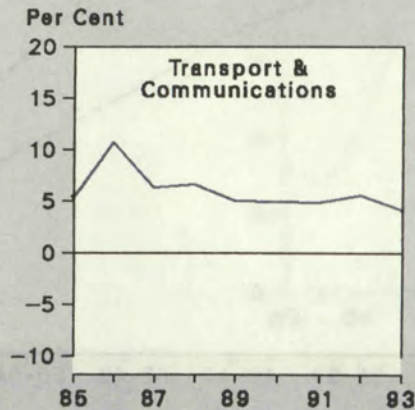
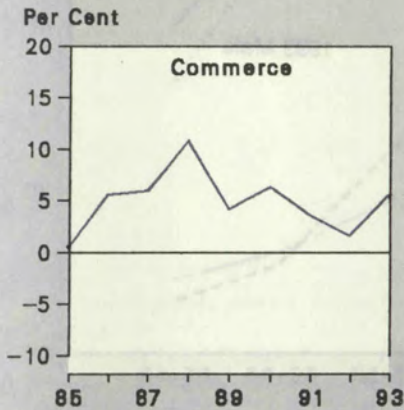
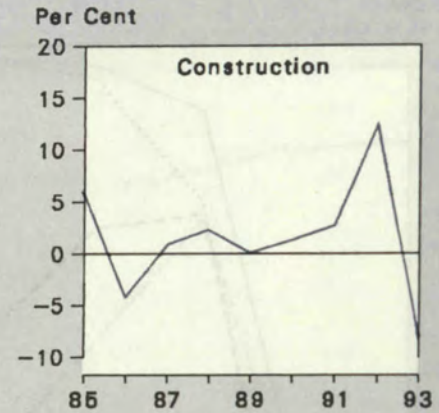
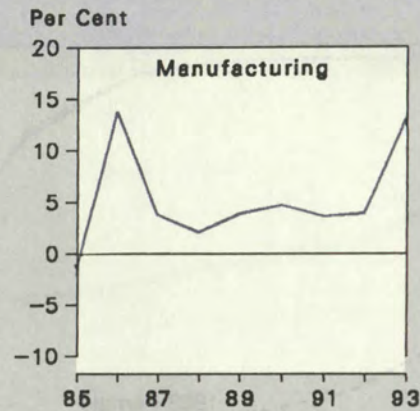
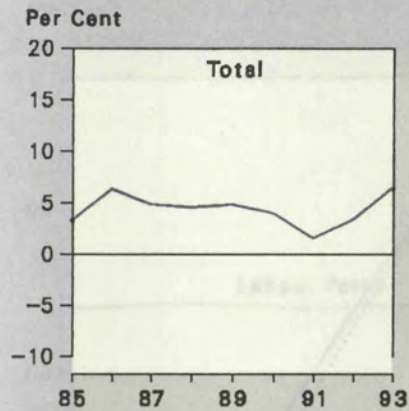


CHART 4

CHANGES IN PRODUCTIVITY BY INDUSTRY, 1985-1993



4 NATIONAL INCOME, BALANCE OF PAYMENTS AND FOREIGN EQUITY INVESTMENT

The first step in calculating GDP is to identify the value of output produced over time. It is necessary to remove the effect of price changes. This is achieved by selecting the price structure of 1955 as the base according to which the goods and services in other years are valued. The

base is 1955

national accounts sector to foreigners and foreign employees and of the operating surplus as recorded in workers. Consequently a large share of the output is

output produced within the territory of Singapore.

the output and expenditure approaches are adopted

for compiling national income statistics in Singapore. The concepts, definitions and methodology given in the United Nations publication, "System of National Accounts, 1953", are closely followed.

National Income Estimates

A third objective of the survey is to provide a basis for the calculation of the balance of payments and foreign equity investment.

national accounts sector to foreigners and foreign employees and of the operating surplus as recorded in workers. Consequently a large share of the output is

national accounts sector to foreigners and foreign employees and of the operating surplus as recorded in workers. Consequently a large share of the output is

GDP Deflator: They are used to adjust the value of output for changes in the price level. The GDP deflator is calculated as the ratio of the current year's GDP to the GDP of the base year, 1955, expressed in constant prices of 1955. The deflator is calculated as the ratio of the current year's GDP to the GDP of the base year, 1955, expressed in constant prices of 1955.

Gross National Product (GNP): It refers to the aggregate value of output produced by productive factors owned by Singapore residents irrespective of whether they are located within Singapore's domestic territory or abroad.

GNP at Constant Prices: It refers to the aggregate value of output produced by Singapore residents irrespective of whether they are located within Singapore's domestic territory or abroad.

GNP at Current Prices: It refers to the aggregate value of output produced by Singapore residents irrespective of whether they are located within Singapore's domestic territory or abroad.

4 NATIONAL INCOME, BALANCE OF PAYMENTS AND FOREIGN EQUITY INVESTMENT

National Income Estimates

The output and expenditure approaches are adopted for compiling national income aggregates of Singapore. The concepts, definitions and methodology given in the United Nations' publication, "A System of National Accounts, 1968" are closely followed.

The development of the Singapore economy depends heavily on foreign capital, foreign technology and foreign workers. Consequently a large share of the compensation of employees and of the operating surplus as recorded in national accounts, accrue to foreigners and foreign enterprises.

The per capita GNP as conventionally defined on a residential basis is therefore not a true reflection of the income of Singaporeans. Hence, a series on indigenous per capita GNP which excludes the foreigners' contribution is compiled. This involves the calculation of income accruing to foreign workers and foreign enterprises which are residents of Singapore and the exclusion of this amount from the GNP.

Definitions

Gross National Product (GNP) : It refers to the aggregate value of output produced by productive factors owned by Singapore residents irrespective of whether they are located within Singapore's domestic territory or abroad.

Indigenous GNP : It refers to the aggregate value of output accrued to Singaporeans.

Gross Domestic Product (GDP) : It refers to the aggregate value of output produced within the domestic territory of Singapore.

Expenditure on GDP : It refers to the sum of private consumption expenditure of households including non-profit institutions, government consumption expenditure, gross capital formation and net exports.

GDP at Constant Prices : In order to compare the real value of output/expenditure over time, it is necessary to remove the effect of price changes. This is achieved by selecting the price structure of 1985 as the base according to which the goods and services in other years are revalued. The

resulting aggregates after adjustment for price changes are known as constant-price estimates.

GDP Deflators : They are the aggregate price indices of the GDP of the economy. They measure implicitly the price level of the current GDP relative to the base year 1985 which is set at 100. The deflators are derived as the ratio of current price estimates of the year in question to the corresponding estimates according to the base year price structure.

Valuation of GDP Estimates : GNP, GDP and Expenditure on GDP are valued at market prices, that is, they are valued at the actual transacted prices and include customs and excise duties and other indirect taxes levied but exclude government grants and subsidies.

With the availability of more comprehensive and up-to-date information, the estimates have been revised, especially for the last two years.

Details on concepts and methodologies used are published in the "Singapore National Accounts 1987".

Balance of Payments Estimates

The Balance of Payments is a systematic record of all economic transactions between the residents of an economy and the residents of the rest of the world in a given period. It

shows the country's trading position, changes in its position as a net foreign lender or borrower and changes in its official reserves holdings. It is very useful for assessing the external performance of an economy and for formulating policies connected with it.

The compilation of the Singapore balance of payments estimates is based on the principles recommended by the International Monetary Fund (IMF) in the fourth edition of the "Balance of Payments Manual (1977)".

The double entry accounting system is used to record the transactions such that every transaction is recorded twice, as a credit in one account and debit in another.

Studies to improve the balance of payments estimates are an on-going process and the estimates are revised as and when appropriate.

Sources of Data

The balance of payments estimates are compiled mainly from trade and shipping statistics, regular survey of companies results and administrative records of government departments and statutory authorities.

The transactions recorded in the balance of payments fall into the following two broad categories:

- a) The current account which consists of transactions relating to Singapore's current national income and expenditure. These include exports and imports of goods and services and unrequited transfers.
- b) The capital account which covers transactions affecting the wealth and debt or the net claims and liabilities of Singapore. Hence, it records transactions that affect the national income in future periods.

Definitions

Merchandise trade balance : It refers to the difference between total exports and total imports of goods on an f.o.b. basis.

Current account balance : It refers to the balance of transactions in goods and services and unrequited transfers. It shows the net change in financial assets arising from Singapore's real transactions.

Overall balance : This is the balance that must be financed by official reserves. It comprises the basic balance and short-term capital movements.

Official foreign reserves : It refers to the holdings of monetary gold, foreign exchange assets, special drawing

rights and reserve position in the International Monetary Fund of the central authorities.

Foreign Equity Investment

Data on foreign equity investment are compiled from balance sheets of all companies in Singapore which have part of their paid-up capital held by foreign residents.

Definition

Foreign Equity : For locally incorporated companies, it refers to the amount of paid-up capital held by foreign investors and the proportionate amount of reserves accrued to them. For local branches of foreign banks it is approximately equal to their "net fixed assets". For local branches of other foreign companies, it refers to the "net amount owed to their head offices".

Other References

"The Singapore National Accounts, 1987", published by the Department of Statistics, contains a chapter on the detailed methodology used to compile Singapore's balance of payments estimates and a data series from 1960 to 1987. Analyses on the balance of payments of Singapore may be found in the various issues of "Economic Survey of Singapore", published by the Ministry of Trade & Industry annually.

4.1 INDIGENOUS GROSS NATIONAL PRODUCT, 1983-1993 (At Current Market Prices)

Million Dollars

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993 ^P
Total Gross Domestic Product	36,733	40,048	38,924	38,664	42,636	49,998	57,461	66,175	73,038	79,083	89,007
Share of Resident Foreigners & Resident Foreign Companies in GDP	8,774	9,578	9,837	10,350	12,302	15,977	18,221	21,373	23,936	25,956	29,456
Indigenous GDP	27,959	30,470	29,087	28,314	30,333	34,021	39,240	44,802	49,102	53,127	59,551
Factor Receipts of Singaporeans from Rest of the World	2,198	2,762	3,297	3,985	4,740	6,057	7,186	9,543	10,629	11,238	11,923
Indigenous GNP	30,157	33,232	32,384	32,298	35,073	40,079	46,426	54,344	59,731	64,364	71,474
Per Capita Indigenous GNP (\$)	12,533	13,599	13,044	12,824	13,733	15,424	17,535	20,090	21,620	22,839	24,871

4.2 OUTPUT, SAVING AND INVESTMENT, 1983-1993 (At Current Market Prices)

Million Dollars

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993 ^P
Gross National Product											
Gross National Product at Market Prices	36,561.1	40,815.1	40,330.4	39,612.5	42,207.1	49,862.0	57,906.5	66,698.0	73,943.4	80,455.5	90,232.4
Gross Domestic Product at Factor Cost	33,718.8	36,551.7	35,619.4	36,069.1	39,766.8	46,637.5	53,057.4	61,112.7	67,535.9	72,807.1	81,625.1
Indirect Taxes	3,014.0	3,496.2	3,304.1	2,594.4	2,869.0	3,360.5	4,403.8	5,061.8	5,501.6	6,275.9	7,381.6
Net Factor Income from Abroad	-171.7	767.2	1,406.9	949.0	-428.7	-136.0	445.3	523.5	905.9	1,372.5	1,225.7
Generation of Gross National Saving											
Gross National Saving	16,306.1	18,596.4	16,543.4	15,588.5	16,304.8	20,224.0	25,805.0	29,939.2	34,642.0	38,089.5	42,274.4
Gross Domestic Saving	16,932.0	18,304.3	15,605.5	15,037.9	17,225.7	20,962.2	26,074.3	30,218.6	34,597.3	37,686.0	42,175.1
Gross Domestic Product at Market Prices Less : Private & Government Consumption Expenditure	36,732.8 20,197.4	40,047.9 21,902.5	38,923.5 23,101.4	38,663.5 23,462.0	42,635.8 25,564.0	49,998.0 28,752.0	57,461.2 31,939.1	66,174.5 35,718.0	73,037.5 38,947.4	79,083.0 41,407.7	89,006.7 46,382.9
Statistical Discrepancy	396.6	158.9	-216.6	-163.6	153.9	-283.8	552.2	-237.9	507.2	10.7	-448.7
Net Factor Income from Abroad	-171.7	767.2	1,406.9	949.0	-428.7	-136.0	445.3	523.5	905.9	1,372.5	1,225.7
Net Transfers from Abroad	-454.2	-475.1	-469.0	-398.4	-492.2	-602.2	-714.6	-802.9	-861.2	-969.0	-1,126.4
Finance of Gross Capital Formation											
Gross Capital Formation	17,595.8	19,417.3	16,551.2	14,894.8	16,636.6	18,435.0	20,373.6	26,143.3	27,745.3	31,983.6	38,981.1
Gross National Saving	16,306.1	18,596.4	16,543.4	15,588.5	16,304.8	20,224.0	25,805.0	29,939.2	34,642.0	38,089.5	42,274.4
Net Borrowing from/Lending (-) to Abroad	1,289.7	820.9	7.8	-693.7	331.8	-1,789.0	-5,431.4	-3,795.9	-6,896.7	-6,105.9	-3,293.3

4.3 GROSS DOMESTIC PRODUCT BY INDUSTRY, 1983-1993

Million Dollars

Industry	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993 ^P
At Current Market Prices											
Total	36,732.8	40,047.9	38,923.5	38,663.5	42,635.8	49,998.0	57,461.2	66,174.5	73,037.5	79,083.0	89,006.7
Agriculture & Fishing	330.9	339.7	292.3	244.5	221.5	203.5	190.0	176.6	165.4	170.8	166.7
Quarrying	140.6	132.2	111.3	75.6	57.3	62.2	69.0	95.6	96.3	49.6	42.9
Manufacturing	8,907.9	9,863.4	9,184.3	10,185.5	12,090.6	14,963.0	17,044.8	19,556.6	21,375.4	22,102.2	24,511.3
Utilities	702.7	773.0	796.0	1,075.4	962.4	1,155.5	1,131.6	1,250.2	1,280.0	1,346.5	1,557.2
Construction	4,202.5	4,943.7	4,167.9	3,149.1	2,885.0	2,811.7	3,106.7	3,613.6	4,697.4	6,054.1	6,604.3
Commerce	6,667.4	6,885.5	6,636.3	6,516.3	7,368.5	8,877.4	10,071.6	12,332.0	13,651.5	14,579.8	15,862.9
Transport & Communications	4,891.9	5,222.3	5,234.5	5,315.6	5,922.8	6,878.1	7,911.7	8,630.3	9,569.7	9,999.8	10,751.5
Financial & Business Services	8,872.0	9,962.7	10,652.0	9,798.3	10,869.9	12,181.3	14,246.6	17,278.9	19,184.8	21,287.9	25,628.7
Other Services	3,812.7	4,238.7	4,577.3	4,509.9	4,691.3	5,208.9	5,939.2	6,661.0	7,403.2	7,877.3	8,515.4
Less : Imputed Bank Service Charge	2,306.8	2,827.4	3,196.5	2,600.3	2,887.3	2,939.9	2,929.3	4,029.2	5,023.9	5,120.6	5,487.6
Add : Import Duties	511.0	514.1	468.1	393.6	453.8	596.3	679.3	608.9	637.7	735.6	853.4
At 1985 Market Prices											
Total	36,537.2	39,572.5	38,923.5	39,641.4	43,371.8	48,203.4	52,657.4	57,271.9	61,081.0	64,771.0	71,211.9
Agriculture & Fishing	311.0	326.5	292.3	260.8	234.0	205.4	191.8	177.3	160.6	162.4	158.5
Quarrying	122.0	120.2	111.3	94.3	93.4	88.1	89.4	81.4	89.3	70.7	54.6
Manufacturing	9,216.4	9,907.6	9,184.3	9,955.8	11,673.2	13,773.2	15,121.5	16,557.6	17,458.2	17,887.3	19,649.1
Utilities	707.8	762.1	796.0	839.9	926.6	1,012.1	1,085.9	1,203.3	1,281.1	1,353.5	1,450.6
Construction	4,266.7	4,927.2	4,167.9	3,234.2	2,916.8	2,804.3	2,845.0	3,043.2	3,675.0	4,408.9	4,761.6
Commerce	6,374.2	6,738.9	6,636.3	6,641.8	7,346.5	8,560.8	9,268.9	10,292.2	11,251.4	11,757.7	12,752.5
Transport & Communications	4,678.1	5,131.8	5,234.5	5,657.7	6,137.5	6,787.7	7,445.2	8,119.5	8,758.4	9,517.8	10,427.2
Financial & Business Services	8,400.0	9,441.0	10,652.0	10,463.3	11,587.0	12,198.2	13,378.2	14,954.0	16,075.6	16,927.6	19,145.1
Other Services	4,142.7	4,372.3	4,577.3	4,802.5	5,060.3	5,231.0	5,492.2	5,893.1	6,305.6	6,602.0	6,971.7
Less : Imputed Bank Service Charge	2,191.7	2,666.6	3,196.5	2,702.5	3,001.5	2,968.6	2,845.1	3,576.3	4,506.0	4,533.0	4,832.2
Add : Import Duties	510.0	511.5	468.1	393.6	398.0	511.2	584.4	526.6	531.8	616.1	673.2

4.4 GROSS DOMESTIC PRODUCT DEFLATORS BY INDUSTRY, 1983-1993 (1985 = 100)

Industry	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993 ^P
Total	100.5	101.2	100.0	97.5	98.3	103.7	109.1	115.5	119.6	122.1	125.0
Agriculture & Fishing	106.4	104.0	100.0	93.8	94.7	99.1	99.1	99.6	103.0	105.2	105.2
Quarrying	115.2	110.0	100.0	80.2	61.3	70.6	77.2	117.4	107.8	70.2	78.6
Manufacturing	96.7	99.6	100.0	102.3	103.6	108.6	112.7	118.1	122.4	123.6	124.7
Utilities	99.3	101.4	100.0	128.0	103.9	114.2	104.2	103.9	99.9	99.5	107.3
Construction	98.5	100.3	100.0	97.4	98.9	100.3	109.2	118.7	127.8	137.3	138.7
Commerce	104.6	102.2	100.0	98.1	100.3	103.7	108.7	119.8	121.3	124.0	124.4
Transport & Communications	104.6	101.8	100.0	94.0	96.5	101.3	106.3	106.3	109.3	105.1	103.1
Financial & Business Services	105.6	105.5	100.0	93.6	93.8	99.9	106.5	115.5	119.3	125.8	133.9
Other Services	92.0	96.9	100.0	93.9	92.7	99.6	108.1	113.0	117.4	119.3	122.1

Note : Refer to gross domestic product at market prices.

4.5 EXPENDITURE ON GROSS DOMESTIC PRODUCT, 1983-1993

Million Dollars

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993 ^P	
	At Current Market Prices											
	Total	36,732.8	40,047.9	38,923.5	38,663.5	42,635.8	49,998.0	57,461.2	66,174.5	73,037.5	79,083.0	89,006.7
	Private Consumption Expenditure	16,202.1	17,569.5	17,552.9	18,191.8	20,249.4	23,415.1	26,040.4	29,024.0	31,601.4	33,973.5	38,042.0
	Government Consumption Expenditure	3,995.3	4,333.0	5,548.5	5,270.2	5,314.6	5,336.9	5,898.7	6,694.0	7,346.0	7,434.2	8,340.9
	Gross Fixed Capital Formation	17,464.2	19,122.2	16,424.8	14,310.2	15,164.9	17,344.1	20,355.9	23,412.0	27,556.5	30,885.9	36,055.8
	Increase in Stocks	131.6	295.1	126.4	584.6	1,471.7	1,090.9	17.7	2,731.3	188.8	1,097.7	2,925.3
	Net Exports of Goods & Services	-663.8	-1,113.0	-945.7	143.1	589.1	2,527.2	5,700.7	4,075.3	6,852.0	5,702.4	3,194.0
	Statistical Discrepancy	-396.6	-158.9	216.6	163.6	-153.9	283.8	-552.2	237.9	-507.2	-10.7	448.7
	At 1985 Market Prices											
	Total	36,537.2	39,572.5	38,923.5	39,641.4	43,371.8	48,203.4	52,657.4	57,271.9	61,081.0	64,771.0	71,211.9
Private Consumption Expenditure	16,852.1	17,711.6	17,552.9	18,287.7	20,052.5	22,757.8	24,669.4	26,525.2	27,931.0	29,309.7	31,986.5	
Government Consumption Expenditure	4,235.9	4,457.2	5,548.5	5,606.8	5,653.9	5,339.1	5,621.4	6,281.7	6,805.0	6,880.1	7,665.4	
Gross Fixed Capital Formation	17,067.7	18,677.4	16,424.8	14,540.2	15,028.0	16,259.6	18,503.4	21,004.5	24,095.8	26,532.5	30,553.1	
Increase in Stocks	242.2	273.0	126.4	637.4	1,478.0	578.4	12.1	1,934.6	136.1	661.8	906.0	
Net Exports of Goods & Services	-1,669.6	-1,431.4	-945.7	349.3	1,248.5	3,489.0	4,610.9	1,908.1	2,722.5	1,896.8	826.5	
Statistical Discrepancy	-191.1	-115.3	216.6	220.0	-89.1	-220.5	-759.8	-382.2	-609.4	-509.9	-725.6	

4.6 DEFLATORS OF EXPENDITURE ON GROSS DOMESTIC PRODUCT, 1983-1993 (1985 = 100)

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993 ^P
Total	100.5	101.2	100.0	97.5	98.3	103.7	109.1	115.5	119.6	122.1	125.0
Private Consumption Expenditure	96.1	99.2	100.0	99.5	101.0	102.9	105.6	109.4	113.1	115.9	118.9
Government Consumption Expenditure	94.3	97.2	100.0	94.0	94.0	100.0	104.9	106.6	108.0	108.1	108.8
Gross Fixed Capital Formation	102.3	102.4	100.0	98.4	100.9	106.7	110.0	111.5	114.4	116.4	118.0
Exports of Goods & Services	107.5	101.5	100.0	86.4	93.1	93.3	95.8	95.9	93.3	90.9	89.4
Imports of Goods & Services	105.8	101.1	100.0	86.6	93.8	94.0	94.7	94.2	90.2	88.3	88.0

4.7 PRIVATE CONSUMPTION EXPENDITURE, 1983-1993

Million Dollars

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993 ^P
Total	At Current Market Prices										
	16,202.1	17,569.5	17,552.9	18,191.8	20,249.4	23,415.1	26,040.4	29,024.0	31,601.4	33,973.5	38,042.0
	4,932.0	5,185.9	5,121.5	5,096.9	5,430.2	6,007.8	6,247.2	6,399.2	6,805.5	7,096.2	7,472.2
	1,681.8	1,665.1	1,569.4	1,656.6	1,870.4	2,087.6	2,214.0	2,624.0	2,640.3	2,679.1	2,848.6
	1,745.3	1,976.6	2,184.9	2,338.1	2,544.5	2,938.6	3,381.7	3,985.4	4,638.5	5,267.6	5,988.1
	1,719.3	1,943.2	2,015.3	2,051.6	2,114.9	2,444.6	2,636.5	2,930.9	3,179.8	3,432.1	3,677.9
	567.4	643.1	702.2	898.1	962.8	1,139.3	1,244.8	1,518.6	1,677.3	1,811.2	1,974.5
	2,743.1	2,816.7	2,678.7	2,609.3	2,997.0	3,688.2	4,298.7	4,798.6	5,054.3	5,616.5	6,506.7
	2,421.0	2,543.0	2,453.5	2,797.4	3,207.1	3,906.3	4,430.9	5,329.1	5,653.0	5,828.8	6,106.4
	3,829.6	3,910.1	3,562.4	3,680.2	4,512.6	5,214.1	6,167.1	7,297.4	7,271.3	7,855.6	9,115.5
	973.4	1,049.5	1,103.5	1,145.8	1,362.3	1,521.3	2,106.9	2,642.8	2,712.3	3,161.2	3,935.2
	4,410.8	4,163.7	3,838.5	4,082.2	4,752.4	5,532.7	6,687.4	8,502.0	8,030.9	8,774.8	9,583.1
Total	At 1985 Market Prices										
	16,852.1	17,711.6	17,552.9	18,287.7	20,052.5	22,757.8	24,669.4	26,525.2	27,931.0	29,309.7	31,986.5
	4,962.4	5,111.3	5,121.5	5,206.7	5,469.0	5,884.5	5,978.3	6,068.0	6,332.6	6,544.8	6,859.6
	1,642.4	1,647.3	1,569.4	1,663.7	1,832.5	1,982.9	2,072.1	2,434.7	2,420.8	2,426.8	2,558.7
	1,794.9	1,984.8	2,184.9	2,412.1	2,674.4	2,956.0	3,260.7	3,498.7	3,759.2	3,943.2	4,142.2
	1,747.1	1,953.3	2,015.3	2,011.9	2,049.0	2,332.6	2,474.9	2,665.5	2,799.2	2,962.6	3,122.0
	633.1	654.6	702.2	902.1	967.5	1,123.8	1,185.0	1,347.6	1,380.1	1,439.1	1,507.1
	2,995.0	2,967.3	2,678.7	2,698.7	2,985.4	3,592.8	4,056.3	4,344.3	4,383.1	4,754.6	5,357.7
	2,480.4	2,534.9	2,453.5	2,741.5	3,135.8	3,812.7	4,232.2	5,016.6	5,261.0	5,310.7	5,643.1
	3,779.3	3,884.1	3,562.4	3,679.4	4,440.1	5,117.7	5,803.1	6,511.8	6,322.8	6,820.0	7,717.0
	992.2	1,049.7	1,103.5	1,161.0	1,366.1	1,490.2	1,993.0	2,430.9	2,428.7	2,767.8	3,300.2
	4,174.7	4,075.7	3,838.5	4,189.4	4,867.3	5,535.4	6,386.2	7,792.9	7,156.5	7,659.9	8,221.1

4.8 GROSS FIXED CAPITAL FORMATION, 1983-1993

Million Dollars

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993 ^P
At Current Market Prices											
Total	17,464.2	19,122.2	16,424.8	14,310.2	15,164.9	17,344.1	20,355.9	23,412.0	27,556.5	30,885.9	36,055.8
Construction & Works	10,876.6	11,954.6	10,007.4	7,908.9	6,986.3	6,666.3	7,436.0	8,365.1	10,958.7	14,066.6	15,806.3
Residential Buildings	5,516.8	6,591.2	5,265.4	3,569.9	3,021.0	3,199.7	3,270.7	3,527.8	4,342.9	5,720.3	7,457.8
Non-residential Buildings	4,336.7	4,200.5	3,284.8	2,133.7	1,772.6	2,054.4	2,819.9	3,638.1	5,061.9	6,600.7	6,560.8
Other Construction & Works	1,023.1	1,162.9	1,457.2	2,205.3	2,192.7	1,412.2	1,345.4	1,199.2	1,553.9	1,745.6	1,787.7
Transport Equipment	2,435.5	2,376.1	1,908.0	1,674.1	1,991.3	2,096.8	3,130.5	3,546.9	4,370.9	4,904.3	5,773.1
Machinery & Equipment	4,152.1	4,791.5	4,509.4	4,727.2	6,187.3	8,581.0	9,789.4	11,500.0	12,226.9	11,915.0	14,476.4
At 1985 Market Prices											
Total	17,067.7	18,677.4	16,424.8	14,540.2	15,028.0	16,259.6	18,503.4	21,004.5	24,095.8	26,532.5	30,553.1
Construction & Works	10,647.4	11,780.7	10,007.4	8,232.5	7,277.4	6,661.5	6,825.2	7,174.2	8,893.0	10,968.5	11,899.8
Residential Buildings	5,551.4	6,549.5	5,265.4	3,722.8	3,135.4	3,186.2	2,989.6	3,011.2	3,492.6	4,364.5	5,407.0
Non-residential Buildings	4,123.8	4,098.5	3,284.8	2,219.1	1,849.9	2,055.0	2,586.4	3,118.0	4,117.6	5,209.9	5,092.1
Other Construction & Works	972.2	1,132.7	1,457.2	2,290.6	2,292.1	1,420.3	1,249.2	1,045.0	1,282.8	1,394.1	1,400.7
Transport Equipment	2,344.0	2,207.0	1,908.0	1,708.5	1,925.1	1,919.5	2,865.5	3,240.3	3,869.5	4,256.2	4,895.3
Machinery & Equipment	4,076.3	4,689.7	4,509.4	4,599.2	5,825.5	7,678.6	8,812.7	10,590.0	11,333.3	11,307.8	13,758.0

4.9 BALANCE OF PAYMENTS, 1983-1993

Million Dollars

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993 ^p
A Current Account Balance	-1,289.7	-820.9	-7.8	693.7	-331.8	1,789.0	5,431.4	3,795.9	6,896.7	6,105.9	3,293.3
Goods & Services (Net)	-835.5	-345.8	461.2	1,092.1	160.4	2,391.2	6,146.0	4,598.8	7,757.9	7,074.9	4,419.7
Merchandise Trade Balance	-12,304.1	-8,684.2	-6,223.5	-4,497.3	-5,152.0	-4,719.3	-4,123.5	-8,550.9	-6,550.3	-9,418.5	-13,032.5
Exports fob	43,168.0	48,340.9	47,376.3	46,457.7	57,838.5	76,458.1	84,977.1	92,611.2	98,739.5	101,106.9	116,270.8
Imports fob	55,472.1	57,025.1	53,599.8	50,955.0	62,990.5	81,177.4	89,100.6	101,162.1	105,289.8	110,525.4	129,303.3
Services Balance	11,468.6	8,338.4	6,684.7	5,589.4	5,312.4	7,110.5	10,269.5	13,149.7	14,308.2	16,493.4	17,452.2
Exports of Services	22,398.2	19,590.9	18,034.3	18,375.3	21,792.0	26,487.5	32,011.9	39,708.0	41,953.5	44,308.2	48,424.7
Shipment	1,472.2	1,512.8	1,501.1	1,521.9	1,877.7	2,459.3	2,696.4	2,962.1	3,111.1	3,169.9	3,656.0
Travel	4,214.8	3,965.0	3,653.0	3,847.9	4,506.2	5,275.5	6,448.9	8,325.4	7,872.0	8,551.6	9,359.7
Investment Income	2,747.7	3,418.4	3,990.9	4,831.9	6,108.2	7,627.4	9,082.9	11,724.6	12,894.6	13,693.8	14,689.0
Official Transaction	214.0	232.4	217.8	211.1	206.6	210.7	189.8	184.1	171.3	183.1	197.6
Other Transportation & Services nec	13,749.5	10,462.3	8,671.5	7,962.5	9,093.3	10,914.6	13,593.9	16,511.8	17,904.5	18,709.8	20,522.4
Imports of Services	10,929.6	11,252.5	11,349.6	12,785.9	16,479.6	19,377.0	21,742.4	26,558.3	27,645.3	27,814.8	30,972.5
Shipment	3,078.8	3,201.9	3,317.6	3,443.2	3,983.9	5,191.0	5,669.3	6,784.0	6,971.6	5,433.8	6,264.3
Travel	1,187.4	1,282.3	1,349.4	1,404.3	1,674.0	1,871.7	2,600.8	3,354.9	3,915.2	4,882.3	4,882.3
Investment Income	2,937.4	2,670.3	2,602.4	3,715.9	5,916.8	6,846.0	7,494.0	9,705.6	10,607.2	11,148.9	12,172.6
Official Transaction	75.3	81.0	91.8	89.7	94.4	129.8	104.0	132.8	141.7	212.0	205.3
Other Transportation & Services nec	3,650.7	4,017.0	3,988.4	4,132.8	4,810.5	5,338.5	5,874.3	6,667.5	6,569.9	7,104.9	7,448.0
Unrequited Transfers (Net)	-454.2	-475.1	-469.0	-398.4	-492.2	-602.2	-714.6	-802.9	-861.2	-969.0	-1,126.4
Private	-436.9	-456.5	-451.2	-374.0	-357.8	-420.3	-470.1	-497.0	-587.2	-659.9	-779.2
Official	-17.3	-18.6	-17.8	-24.4	-134.4	-181.9	-244.5	-305.9	-274.0	-309.1	-347.2
B Capital Account Balance	5,204.4	3,369.9	1,536.9	-967.7	989.6	1,987.6	889.2	8,443.4	1,613.1	9,056.2	15,273.0
Non monetary Sector (Net)	2,378.4	1,769.7	2,554.8	2,820.8	2,799.8	3,982.9	3,507.8	5,398.1	3,283.9	10,228.9	10,677.7
Private	2,558.0	1,794.7	2,594.3	2,997.0	2,842.8	4,023.5	3,590.6	5,462.5	3,311.1	10,244.2	10,693.0
Official	-179.6	-25.0	-39.5	-176.2	-43.0	-40.6	-82.8	-64.4	-27.2	-15.3	-15.3
Monetary Sector (Net)	2,826.0	1,600.2	-1,017.9	-3,788.5	-1,810.2	-1,995.3	-2,618.6	3,045.3	-1,670.8	-1,172.7	4,595.3
Commercial Banks : Foreign Assets ¹	-1,690.3	-4,751.9	-3,057.9	-6,017.0	-3,285.7	-5,071.4	-14,198.2	4,909.1	1,771.1	-9,555.0	1,348.4
Foreign Liabilities	4,516.3	6,352.1	2,040.0	2,228.5	1,475.5	3,076.1	11,579.6	-1,863.8	-3,441.9	8,382.3	3,246.9
C Allocation of Special Drawing Rights	-	-	-	-	-	-	-	-	-	-	-
D Balancing Item	-1,677.0	701.6	1,412.6	1,482.6	1,670.7	-433.0	-986.4	-2,346.8	-1,247.0	-5,203.1	-6,412.6
E Overall Balance (A+B+C+D)	2,237.7	3,250.6	2,941.7	1,208.6	2,328.5	3,343.6	5,334.2	9,892.5	7,262.8	9,959.0	12,153.7
F Official Reserves (Net)¹	-2,237.7	-3,250.6	-2,941.7	-1,208.6	-2,328.5	-3,343.6	-5,334.2	-9,892.5	-7,262.8	-9,959.0	-12,153.7
Special Drawing Rights	-23.4	3.6	-17.6	-31.4	-29.1	-8.2	-14.4	-27.8	-4.2	76.1	-11.9
Reserve Position in the Fund	-1.8	-1.3	-26.0	-24.8	-11.7	12.2	12.8	3.0	12.8	-146.7	-14.8
Foreign Exchange Assets	-2,212.5	-3,252.9	-2,898.1	-1,152.4	-2,287.7	-3,347.6	-5,332.6	-9,867.7	-7,271.4	-9,888.4	-12,127.0

¹ Increase in assets is indicated by a minus (-) sign.

4.10 FOREIGN EQUITY INVESTMENT IN SINGAPORE BY INDUSTRY, 1981-1991
(End of Period)

Million Dollars

Industry	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
Total	16,681.4	20,355.3	22,120.3	24,801.2	25,502.7	28,584.0	34,540.3	41,276.7	47,030.1	57,935.2	62,910.5
Agriculture & Fishing	62.0	56.9	81.5	83.5	75.6	29.7	45.7	44.8	50.7	119.6	83.3
Mining & Quarrying	18.7	9.4	-2.9	-23.5	-39.4	-48.6	-50.4	-55.2	-44.6	-39.8	-39.0
Manufacturing	8,097.6	9,048.8	10,404.7	11,415.3	11,912.0	13,156.2	15,892.7	17,769.2	19,841.9	22,658.0	22,856.2
Construction	211.6	205.1	54.2	153.2	246.2	314.9	199.6	361.2	716.3	614.7	739.9
Commerce	2,697.5	3,451.1	3,732.6	3,765.6	3,512.2	3,493.8	3,848.7	4,592.3	5,447.4	7,541.4	9,571.0
Transport & Storage	553.9	596.5	483.4	372.2	107.8	201.9	516.4	864.9	1,524.2	1,886.6	1,930.4
Financial/Business Services	4,977.5	6,936.0	7,214.5	8,882.4	9,511.2	11,249.2	13,890.1	17,486.1	19,181.8	24,805.4	27,621.5
Social & Personal Services	62.5	51.5	152.3	152.5	177.1	186.9	197.5	213.4	312.4	349.1	147.2

4.11 FOREIGN EQUITY INVESTMENT IN SINGAPORE BY COUNTRY, 1981-1991
(End of Period)

Million Dollars

Country	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
Total	16,681.4	20,355.3	22,120.3	24,801.2	25,502.7	28,584.0	34,540.3	41,276.7	47,030.1	57,935.2	62,910.5
United States	3,236.8	4,271.2	5,027.9	5,210.5	6,170.1	7,233.5	8,500.1	8,319.2	9,157.7	9,951.8	11,108.4
Europe	6,127.0	7,006.2	7,057.5	7,522.8	7,688.7	8,790.4	10,025.6	11,584.8	13,135.2	16,272.0	18,414.7
European Community	5,429.3	6,027.2	5,852.7	6,129.6	6,134.9	6,876.8	7,668.1	8,941.2	10,112.4	13,224.6	15,107.1
United Kingdom	4,471.7	4,899.4	4,534.0	4,572.6	4,365.2	4,590.5	4,894.4	5,473.2	5,615.3	6,951.4	8,238.1
Germany	413.1	456.7	465.3	512.7	565.2	715.8	763.0	851.7	910.5	902.1	1,008.1
Netherlands	382.2	479.6	611.3	708.7	877.2	1,188.7	1,653.8	2,163.2	2,952.4	4,349.6	4,623.2
Others	162.3	191.5	242.1	335.6	327.3	381.8	356.9	453.1	634.2	1,021.6	1,237.7
Switzerland	579.2	788.8	984.1	1,206.3	1,415.4	1,628.2	1,838.5	2,102.6	2,294.0	2,362.3	2,537.6
Others	118.5	190.2	220.7	186.9	138.4	285.4	519.0	541.0	728.8	685.1	770.0
Asia	6,177.6	7,730.4	8,454.2	9,478.2	9,068.2	9,053.5	10,476.0	13,258.8	15,991.0	20,324.3	21,435.3
Japan	1,713.7	2,102.9	2,252.8	2,926.0	3,261.3	3,771.8	4,730.6	6,646.0	8,606.7	11,271.6	12,449.1
Hong Kong	2,187.5	2,647.2	2,732.3	2,780.6	2,352.8	2,121.8	2,636.2	2,886.1	3,530.3	4,220.8	4,187.4
Taiwan	55.9	58.8	77.6	82.6	82.0	83.9	120.6	161.3	208.1	254.1	284.7
Asean	2,044.8	2,687.7	3,254.4	3,553.4	3,165.7	2,859.2	2,721.4	3,310.2	3,343.5	4,338.7	4,164.7
Others	175.7	233.8	137.1	135.6	206.4	216.8	267.2	255.2	302.4	239.1	349.4
Australia	411.3	371.2	478.0	584.3	593.9	1,105.2	1,607.3	3,346.3	3,132.6	3,033.8	3,122.8
Other Countries	728.7	976.3	1,102.7	2,005.4	1,981.8	2,401.4	3,931.3	4,767.6	5,613.6	8,353.4	8,829.2

CHART 5

GROSS NATIONAL PRODUCT (GNP) AND PER CAPITA GNP, 1983-1993

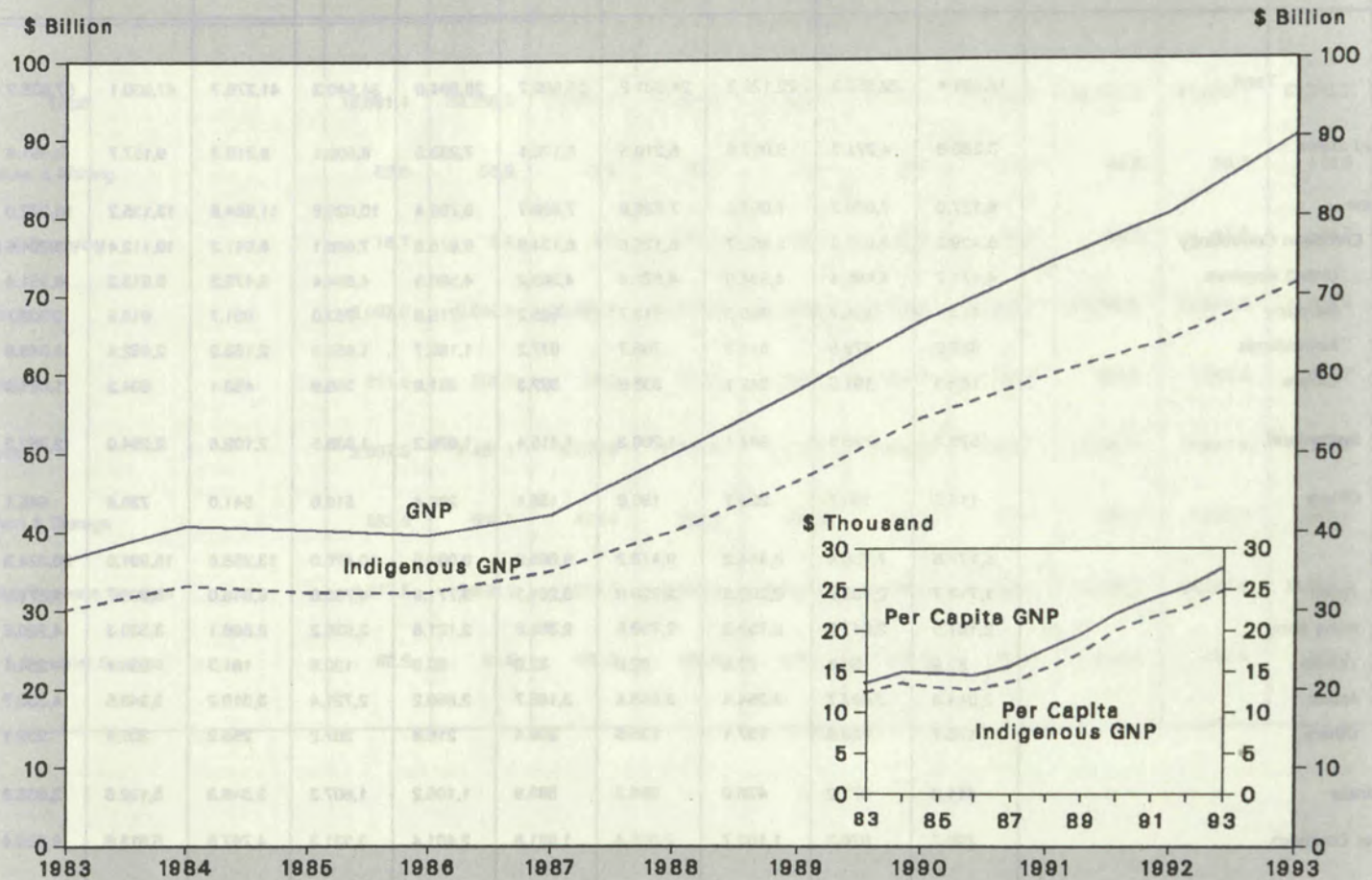
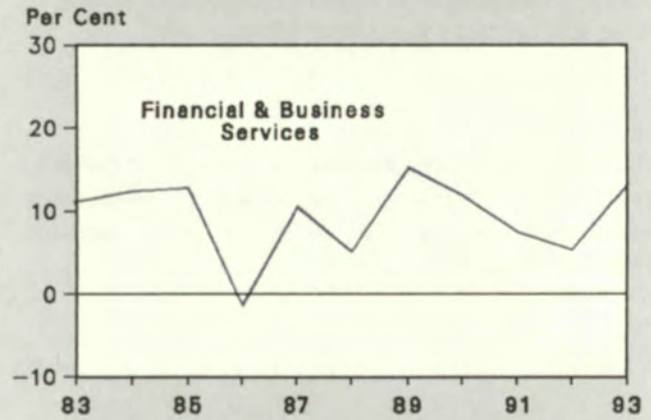
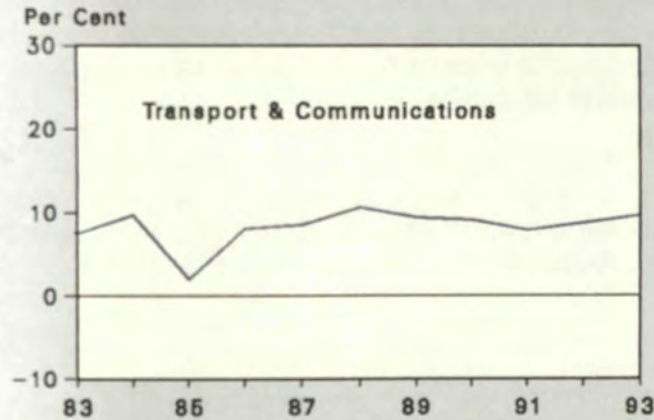
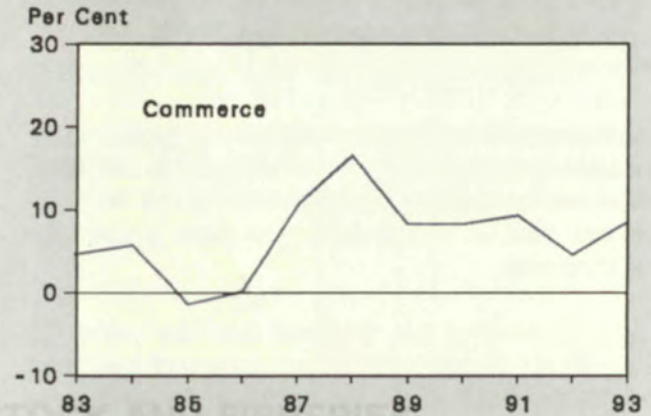
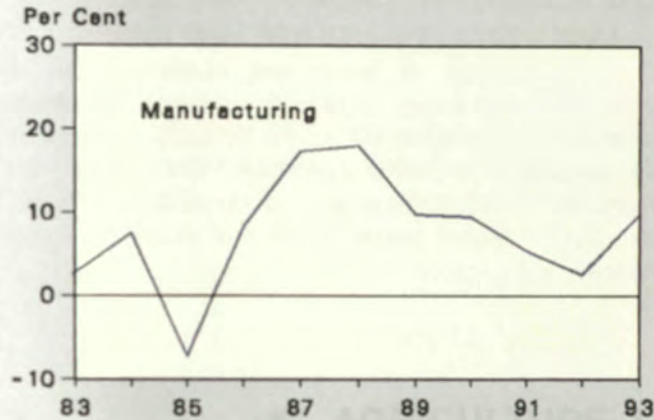


CHART 6

REAL ANNUAL GROWTH RATES OF MAJOR INDUSTRY, 1983-1993
(At 1985 Market Prices)



5 AGRICULTURE, LIVESTOCK AND FISHERIES

Horticulture
The main crops cultivated are vegetables and orchids. Vegetable cultivation is highly intensive, producing mainly leafy vegetables like cai xin, gai lan, wong cai and xian cai, mushrooms and bean sprouts.

and a further 255 hectares are under development. land area of 554 hectares have been successfully developed such technology. Four agrotechnology parks covering a total technology park to house supply, the government has achieved a significant measure of local production of fresh food. Land for farming has declined over the years. To

agricultural purposes. About one per cent of Singapore's land area is used for consumption and exports and approximately 10 per cent in the production of energy, law and wood products for local use. The agrotechnology parks in Singapore are designed mainly

On average, more crops are grown in Singapore than in any other country in the world. The area under cultivation is about 1,000 hectares, which is equivalent to about 0.1 per cent of the land area of Singapore. The main crops grown are vegetables and orchids. The area under cultivation is about 1,000 hectares, which is equivalent to about 0.1 per cent of the land area of Singapore. The main crops grown are vegetables and orchids.

AGRICULTURE, LIVESTOCK AND FISHERIES

The Primary Production Department
Junong and Kim Chuan Alabans under close supervision of
Pigs, sheep, goats and cattle are slaughtered at the

when in full production. expected to produce 80 per cent of eggs consumed locally. The seven large scale layer farms in Agrotechnology parks are Singapore, meets about 30 per cent of eggs consumed locally. Hen egg production, an important farming activity in

plants. laboratories which produce several hundred thousand of livestock, which are supplied by large farms. are exposed to many diseases that cause and which Singapore is renowned for its excellent facilities which ornamental and large plants for export and domestic sale. A number of farms and nurseries grow orchids, and other crops like flowers and shrubs. The area under cultivation is about 1,000 hectares, which is equivalent to about 0.1 per cent of the land area of Singapore. The main crops grown are vegetables and orchids.

5 AGRICULTURE, LIVESTOCK AND FISHERIES

General

The agricultural sector of Singapore is engaged mainly in the production of eggs, fish and vegetables for local consumption and orchids and ornamental fish for exports. About one per cent of Singapore's land area is used for agricultural purposes.

Land for farming has declined over the years. To achieve a significant measure of local production of fresh food supply, the government has initiated the development of agrotechnology parks to house large scale intensive farms using such technology. Four agrotechnology parks covering a total land area of 554 hectares have been successfully developed and a further 526 hectares are under development.

Horticulture

The main crops cultivated are vegetables and orchids. Vegetable cultivation is highly intensive, producing mainly leafy vegetables like cai xin, gai lan, weng cai and xian cai, mushrooms and bean sprouts.

A number of farms and nurseries grow orchids, ornamental and foliage plants for export and domestic sale. Singapore is renowned for her exotic orchid cut-flowers which are exported to many countries. The orchid and other horticultural enterprises are supported by plant tissue laboratories which produce several hundred thousand of plantlets.

Poultry and Livestock

Hen egg production, an important farming activity in Singapore, meets about 30 per cent of eggs consumed locally. The seven large scale layer farms in Agrotechnology parks are expected to produce 80 per cent of eggs consumed locally when in full production.

Pigs, sheep, goats and cattle are slaughtered at the Jurong and Kim Chuan Abattoirs under close supervision of the Primary Production Department.

Fisheries

Local fish production comprises mainly catches from the sea with relatively small quantities from marine and other fish farms. Singapore also imports and exports fish caught by foreign fishing vessels.

The Jurong Fishing Port with its Central Fish Market Complex plays an important role as a major fish landing and distribution point in Singapore. The complex handles the bulk

of fresh fish landed by foreign vessels as well as those imported by air and road. The Punggol Fishing Port and Wholesale Fish Market Complex handle much smaller quantities which are landed mainly by local fishing vessels. There are 22 fish processing plants licensed to manufacture fishery products for domestic as well as exports markets.

There are 80 licensed marine farms covering about 44 hectares of coastal waters, culturing high-value fish like groupers and seabass for the live fish market.

5.1 PRODUCTION OF PRINCIPAL CROPS, 1983-1993

Year	Vegetables	Fruits	Orchid Flowers	Plants
	Tonnes		Million Stalks	Million Plants
1983	35,326	8,070	)	)
1984	32,767	6,950	)	)
1985	28,648	5,610	)	)
1986	20,876	5,450	)	)
1987	16,810	5,080	na	na
1988	10,154	2,815	)	)
1989	6,462	1,446	)	)
1990	8,907	1,060	)	)
1991	4,597	280	)	)
1992	5,189	-	42.2	)
1993	4,800	17	37.0	233 ¹

1 Include potted plants, non-potted plants, ornamental plants, aquatic plants and tissue-cultured plantlets.

Source : Primary Production Department

5.2 LIVESTOCK SLAUGHTERED, 1983-1993

					Number
Year	Pigs	Sheep	Goats	Oxen	
1983	926,005	59,012	249	1,414	
1984	1,026,287	58,045	212	1,471	
1985	1,093,272	53,579	121	1,383	
1986	1,086,304	54,666	747	1,537	
1987	1,106,678	52,363	1,432	1,703	
1988	1,148,832	41,642	310	1,668	
1989	1,134,357	29,643	265	1,423	
1990	1,152,395	28,111	227	1,260	
1991	1,231,648	26,783	385	1,288	
1992	1,266,718	26,677	947	1,409	
1993	1,287,801	24,331	246	1,315	

Source : Primary Production Department

5.3 FISH SUPPLY AND AUCTION, 1983-1993

Tonnes

Year	Fish Supply			Fish Auction
	Local Production	Imports	Exports	
1983	19,099	99,099	56,046	102,573
1984	25,041	107,784	61,239	117,638
1985	22,761	102,139	56,841	112,290
1986	20,279	135,034	80,455	109,531
1987	15,096	133,976	93,724	111,864
1988	13,152	155,588	107,074	103,135
1989	10,565	144,714	103,052	110,774
1990	11,400	161,719	116,213	106,829
1991	11,022	171,551	133,809	106,537
1992	9,198	180,403	121,941	108,589
1993	9,279	167,077	109,966	103,116

Note : Exclude dried, salted and fish in brine.

Source : Primary Production Department
Trade Development Board
with effect from April 1987

6 MANUFACTURING

Census of Industrial Production

A census of manufacturing establishments employing ten or more workers is conducted annually by the Research and Statistics Unit, Economic Development Board. The results provide comprehensive data for the study of structure and trends of the manufacturing sector.

The activities covered in the census include manufacturing, industrial servicing and granite quarrying. They are classified according to the Singapore Standard Industrial Classification of All Economic Activities, 1990 edition which is adapted from the International Standard Industrial Classification of All Economic Activities of the United Nations.

The census is primarily conducted by mail, using two standard questionnaires. The period of reference is the calendar year except for those establishments whose financial years do not coincide with the calendar year.

Definitions

Establishments : An establishment is defined as a manufacturing unit engaged in one manufacturing activity and generally at one location.

Workers : They refer to all persons engaged in the industrial activity of the establishment, that is, all employees, the self-employed and their relatives. Data generally refer to employment as at 30 June, except where establishments commence operation after June.

Remuneration : It refers to the amount expended for the whole year. For employees, total remuneration comprises salaries (include bonuses), contributions to the Central Provident Fund and pensions paid by employers, and other benefits provided. For working proprietors, it refers to the amount withdrawn for their personal use. For unpaid family workers, it refers to allowances.

Gross Output : The gross output of industries refers to the total value of all commodities produced (including by-products) and industrial services rendered during the year .

Materials Used : Materials used cover raw or basic materials, chemicals and packing materials consumed in the production. They refer to the actual consumption during the year.

Census Value Added : Census value added is the additional value generated by the industrial activity of the establishment. It is derived as the difference between the value of gross output and that of total input and work given out.

Index of Industrial Production

The Quarterly Index of Production of manufacturing establishments was rebased to 1992 = 100, using the 1991 value added weighting pattern. The Laspeyres' formula is used for the compilation of the index, ie. the index is calculated as base-weighted arithmetic averages based on the quantities of products.

The Quarterly Index of Industrial Production covers all manufacturing activities classified under Major Division 3 of the Singapore Standard Industrial Classification. Rubber processing, granite quarrying and production undertaken by government departments and statutory boards are not covered by the index. The Annual Index of Industrial Production is the average of the four quarterly indices.

Investment Commitments

Investment Commitments refer to investment projects in terms of gross fixed assets which companies commit to invest in Singapore. Projects are only recorded as commitments if their potential for establishment is favourable and the company has made a firm undertaking to implement the project.

Pioneer Manufacturing Establishments

These are establishments which had been granted approval under the Pioneer Industries Programme of the Economic Expansion Incentives Act. The principal statistics of these establishments were obtained from the Census of Industrial Production.

More detailed statistics on the manufacturing sector are available from the "Report on the Census of Industrial Production", published annually by the Research and Statistics Unit, Economic Development Board.

6.1 PRINCIPAL MANUFACTURING STATISTICS, 1983-1993

Year	Establishments	Workers	Materials	Output	Census Value Added	Remuneration	Capital Expenditure	Direct Exports
	Number		Million Dollars					
1983	3,643	273,228	25,512.8	37,888.3	10,012.4	3,604.6	2,132.4	22,921.6
1984	3,675	276,225	27,861.4	41,704.1	11,268.9	4,073.6	2,191.3	25,331.6
1985	3,529	254,802	25,661.7	38,817.8	10,812.8	4,075.9	1,982.6	24,389.7
1986	3,472	247,732	23,353.7	37,502.9	11,978.3	3,784.6	1,747.6	24,476.9
1987	3,535	277,031	29,196.4	46,337.7	14,539.6	4,189.9	2,739.4	30,500.8
1988	3,643	325,235	35,518.6	56,804.5	17,986.2	5,068.4	3,551.0	37,999.2
1989	3,678	338,043	40,392.8	63,924.1	19,746.2	5,974.6	4,518.1	42,545.9
1990	3,716	352,067	45,515.5	71,578.5	21,694.3	6,861.9	4,190.3	47,099.9
1991	3,795	358,723	46,492.3	74,794.4	23,545.8	7,667.6	4,038.3	45,958.0
1992	3,926	358,788	47,475.4	77,476.8	24,981.5	8,398.4	4,797.3	46,951.6
1993 ^P	4,075	354,515	53,356.3	87,369.2	28,367.7	8,887.0	na	54,051.2

Notes : Figures refer to establishments engaging 10 or more workers.
Data include rubber processing and granite quarrying.

Source : Economic Development Board
with effect from April 1987

6.2 SELECTED AVERAGES AND RATIOS IN THE MANUFACTURING SECTOR, 1983-1993

Year	Census Value Added Per Worker	Output Per Worker	Census Value Added to Output	Remuneration to Census Value Added	Remuneration to Output	Direct Exports to Total Sales	Direct Exports to Output
	Dollars		Per Cent				
1983	36,645	138,669	26.4	36.5	9.7	60.2	60.5
1984	40,796	150,979	27.0	36.1	9.8	61.0	60.7
1985	42,436	152,345	27.9	37.7	10.5	63.0	62.8
1986	48,352	151,385	31.9	31.6	10.1	64.7	65.3
1987	52,483	167,265	31.4	28.8	9.0	65.9	65.8
1988	55,302	174,657	31.7	28.2	8.9	67.1	66.9
1989	58,413	189,100	30.9	30.3	9.3	66.9	66.6
1990	61,620	203,309	30.3	31.6	9.6	65.5	65.8
1991	65,639	208,503	31.5	32.6	10.3	61.3	61.4
1992	69,627	215,940	32.2	33.6	10.8	60.3	60.6
1993 ^P	80,018	246,447	32.5	31.3	10.2	61.6	61.9

Note : See notes to Table 6.1.

Source : Economic Development Board
with effect from April 1987

6.3 MANUFACTURING ESTABLISHMENTS BY INDUSTRY, 1983-1993

Number

Industrial Code	Industry	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993 ^p
311/2	Food	288	300	284	287	283	272	263	265	271	293	303
313	Beverage	16	14	14	15	15	14	14	14	14	14	14
314	Tobacco Products	6	4	4	4	4	4	4	5	4	3	3
321	Textiles & Textile Manufactures	86	79	64	65	63	67	67	65	64	64	67
322	Wearing Apparel except Footwear	391	387	370	370	373	370	372	370	351	347	349
323	Leather & Leather Products	37	38	28	26	24	21	19	17	19	20	20
324	Footwear	51	58	50	50	51	39	35	32	29	27	29
331	Sawn Timber & Other Wood Products except Furniture	111	103	108	100	94	89	91	82	76	74	76
332	Furniture & Fixtures except primarily of Metal, Stone & Plastics	125	142	145	156	148	154	153	141	139	135	145
341	Paper & Paper Products	90	88	83	80	81	88	89	92	95	100	103
342	Printing & Publishing	313	317	297	311	315	308	324	327	342	361	376
351	Industrial Chemicals & Gases	52	57	57	59	62	65	73	77	77	74	74
352	Paints, Pharmaceuticals & Other Chemical Products	86	90	89	88	86	88	88	93	94	97	99
353/4	Petroleum Refineries & Petroleum Products	11	12	12	11	11	11	11	15	17	18	18
355	Processing of Jelutong & Gum Damar	7	7	7	7	7	5	5	4	4	3	3
356	Rubber Products except Footwear & Toys	29	31	24	22	26	25	24	26	27	25	25
357	Plastic Products	229	237	229	217	239	279	278	285	288	295	310
361/2	Pottery, China, Earthenware & Glass Products	10	13	12	10	8	8	9	8	10	12	13
363	Structural Clay Products	11	11	10	9	8	8	8	7	6	6	7
364	Cement	5	5	6	6	6	5	5	5	5	5	5

6.3 MANUFACTURING ESTABLISHMENTS BY INDUSTRY, 1983-1993 *(continued)*

Industrial Code	Industry	Number										
		1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993 ^p
365	Structural Cement & Concrete Products	49	52	52	51	45	36	32	31	32	33	36
369	Non-metallic Mineral Products	25	27	29	29	25	24	23	22	24	27	28
371	Iron & Steel	16	16	16	14	12	10	11	14	13	15	16
372	Non-ferrous Metals	16	17	16	15	18	19	19	21	21	20	20
381	Fabricated Metal Products except Machinery & Equipment	432	444	444	425	434	454	463	479	518	528	543
382	Machinery except Electrical & Electronic	344	348	355	355	372	378	385	406	414	464	484
383	Electrical Machinery, Apparatus, Appliances & Supplies	123	123	125	112	115	133	129	132	139	149	154
384	Electronic Products & Components	166	172	167	161	202	225	233	240	243	247	257
385	Transport Equipment	286	250	217	197	183	218	225	217	238	246	261
386	Instrumentation Equipment, Photographic & Optical Goods	46	46	41	40	45	47	49	57	61	60	63
390	Other Manufacturing Industries	159	160	149	157	159	160	159	154	150	155	165
	Total Manufacturing excluding Rubber Processing	3,616	3,648	3,504	3,449	3,514	3,624	3,660	3,703	3,785	3,917	4,066
	Rubber Processing	10	8	7	7	5	5	5	4	3	3	3
	Total Manufacturing including Rubber Processing	3,626	3,656	3,511	3,456	3,519	3,629	3,665	3,707	3,788	3,920	4,069
	Granite Quarrying	17	19	18	16	16	14	13	9	7	6	6
	Total	3,643	3,675	3,529	3,472	3,535	3,643	3,678	3,716	3,795	3,926	4,075

Notes : Figures refer to establishments engaging 10 or more workers.
Data have been classified according to Singapore Standard Industrial Classification 1990.

Source : Economic Development Board
with effect from April 1987

6.4 MANUFACTURING OUTPUT BY INDUSTRY, 1983-1993

Million Dollars

Industrial Code	Industry	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993 ^P
311/2	Food	1,931.3	2,236.7	2,309.1	2,198.0	1,872.3	2,111.8	2,228.6	2,044.1	2,102.8	2,142.1	2,206.4
313	Beverage	318.1	309.5	319.5	365.3	408.8	464.7	537.7	510.6	525.1	555.9	560.4
314	Tobacco Products	206.6	184.5	188.4	176.1	172.8	188.4	220.3	287.6	330.5	370.0	415.9
321	Textiles & Textile Manufactures	269.3	248.2	197.8	239.2	317.1	360.6	395.5	394.6	401.7	388.3	338.2
322	Wearing Apparel except Footwear	938.9	1,084.9	1,035.4	1,241.3	1,562.3	1,694.3	1,790.4	1,729.8	1,739.1	1,631.5	1,305.2
323	Leather & Leather Products	41.2	40.1	35.9	34.3	38.0	58.2	62.3	54.8	62.7	75.6	85.4
324	Footwear	44.2	48.1	35.5	37.9	42.5	45.1	49.4	50.4	52.6	48.0	46.5
331	Sawn Timber & Other Wood Products except Furniture	473.5	398.5	338.0	293.4	321.0	390.6	396.7	350.1	297.4	293.0	276.6
332	Furniture & Fixtures except primarily of Metal, Stone & Plastics	278.4	350.9	359.9	353.2	374.2	464.7	488.1	516.3	517.2	531.2	584.9
341	Paper & Paper Products	357.1	396.8	408.3	439.2	591.2	701.2	760.1	816.3	869.5	802.4	808.0
342	Printing & Publishing	812.4	913.8	895.7	952.2	1,119.1	1,334.0	1,551.6	1,742.9	1,929.2	2,133.4	2,323.3
351	Industrial Chemicals & Gases	522.8	1,239.9	1,690.7	1,724.2	2,387.2	3,259.3	3,067.9	3,150.0	3,091.8	2,643.1	2,719.8
352	Paints, Pharmaceuticals & Other Chemical Products	764.8	940.2	891.1	1,094.0	1,275.6	1,429.2	1,592.9	1,771.9	2,251.8	2,292.5	2,315.4
353/4	Petroleum Refineries & Petroleum Products	13,163.6	12,448.8	11,031.3	6,990.3	7,491.1	7,663.1	8,765.1	11,364.5	11,288.4	10,272.1	11,350.7
355	Processing of Jelutong & Gum Damar	25.2	21.2	20.6	19.2	18.9	19.1	25.6	23.0	15.4	12.3	12.3
356	Rubber Products except Footwear & Toys	76.7	83.5	70.1	71.8	95.6	120.0	136.9	123.7	145.9	150.3	158.7
357	Plastic Products	580.0	670.4	612.4	611.3	843.5	1,234.3	1,349.6	1,428.6	1,608.5	1,596.3	1,629.8
361/2	Pottery, China, Earthenware & Glass Products	94.3	80.7	29.5	15.6	10.7	13.6	108.2	145.5	149.0	176.1	179.1
363	Structural Clay Products	58.9	67.4	46.8	29.5	33.9	30.5	31.1	30.5	41.6	54.0	45.2
364	Cement	441.4	281.3	164.7	152.6	121.5	128.6	175.0	232.8	333.6	374.1	457.6

6.4 MANUFACTURING OUTPUT BY INDUSTRY, 1983-1993 (continued)

Million Dollars

Industrial Code	Industry	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993 ^P
365	Structural Cement & Concrete Products	600.9	657.2	585.8	487.4	372.6	341.1	376.1	473.1	624.1	702.9	866.0
369	Non-metallic Mineral Products	137.2	113.8	98.2	98.4	110.7	136.2	138.7	126.1	133.0	156.5	165.5
371	Iron & Steel	335.7	336.2	340.2	376.3	382.6	427.6	525.9	581.9	536.4	524.0	616.2
372	Non-ferrous Metals	142.3	197.3	224.8	245.6	167.2	205.4	184.9	216.0	198.3	208.3	194.8
381	Fabricated Metal Products except Machinery & Equipment	1,897.8	2,032.7	1,832.9	1,936.5	2,381.7	3,110.6	3,547.5	3,804.5	4,129.2	4,362.5	4,624.3
382	Machinery except Electrical & Electronic	1,972.2	1,831.0	1,768.9	1,652.3	1,960.3	2,481.1	3,056.3	3,380.7	3,723.0	3,861.3	3,587.1
383	Electrical Machinery, Apparatus, Appliances & Supplies	1,224.3	1,482.5	1,337.2	1,458.5	1,843.0	2,182.5	2,517.2	2,433.9	2,639.9	2,647.3	2,710.8
384	Electronic Products & Components	6,891.0	9,569.5	9,014.0	11,214.5	16,409.6	21,590.3	24,692.3	27,878.1	28,957.7	32,044.3	40,440.0
385	Transport Equipment	1,867.8	1,956.0	1,789.0	1,803.3	2,093.3	2,717.8	3,165.4	3,790.9	4,014.1	4,397.0	4,414.6
386	Instrumentation Equipment, Photographic & Optical Goods	269.4	300.1	329.0	375.3	456.7	576.5	671.8	783.0	860.5	946.5	1,031.7
390	Other Manufacturing Industries	484.1	556.1	494.3	571.8	809.1	989.5	1,017.5	1,097.1	1,005.0	882.8	741.5
	Total Manufacturing excluding Rubber Processing	37,221.5	41,077.9	38,495.1	37,258.7	46,084.0	56,470.0	63,626.3	71,333.2	74,575.0	77,275.9	87,211.8
	Rubber Processing	428.7	402.4	160.0	126.8	155.8	243.7	205.0	124.7	71.3	73.5	59.3
	Total Manufacturing including Rubber Processing	37,650.2	41,480.2	38,655.1	37,385.5	46,239.8	56,713.7	63,831.3	71,457.9	74,646.3	77,349.4	87,271.2
	Granite Quarrying	238.1	223.8	162.7	117.4	97.9	90.8	92.9	120.6	148.1	127.4	98.0
	Total	37,888.3	41,704.1	38,817.8	37,502.9	46,337.7	56,804.5	63,924.1	71,578.5	74,794.4	77,476.8	87,369.2

Note : See notes to Table 6.3.

Source : Economic Development Board
with effect from April 1987

6.5 CENSUS VALUE ADDED OF MANUFACTURING ESTABLISHMENTS BY INDUSTRY, 1983-1993

Million Dollars

Industrial Code	Industry	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993 ^P
311/2	Food	351.5	377.9	395.3	405.7	451.6	527.1	567.5	583.4	625.5	653.7	670.0
313	Beverage	147.9	152.1	166.9	190.4	205.7	243.0	247.4	251.7	265.0	277.6	280.3
314	Tobacco Products	89.4	79.4	77.7	78.4	87.0	88.7	97.6	116.1	127.3	158.1	194.8
321	Textiles & Textile Manufactures	92.2	81.0	64.3	77.7	101.2	113.6	122.4	129.8	125.6	120.8	111.9
322	Wearing Apparel except Footwear	333.0	364.5	345.7	361.9	464.8	534.6	544.5	532.8	522.0	493.9	432.7
323	Leather & Leather Products	12.7	13.6	11.4	10.6	12.0	17.2	22.7	19.8	21.7	26.7	29.9
324	Footwear	18.1	19.4	12.6	12.0	13.1	12.3	14.4	16.4	15.6	15.4	13.9
331	Sawn Timber & Other Wood Products except Furniture	140.9	115.8	94.5	82.3	81.9	101.9	112.9	98.8	79.1	77.2	64.4
332	Furniture & Fixtures except primarily of Metal, Stone & Plastics	108.6	129.9	132.9	131.0	133.1	154.4	164.2	161.9	171.4	184.7	211.2
341	Paper & Paper Products	149.2	166.9	180.1	191.1	239.6	269.3	293.2	343.0	358.9	349.6	353.1
342	Printing & Publishing	452.1	522.9	511.4	531.4	603.8	697.9	788.6	932.5	1,043.5	1,213.5	1,359.2
351	Industrial Chemicals & Gases	191.6	310.3	358.4	574.1	915.0	1,376.5	1,184.2	1,058.2	960.7	835.7	856.6
352	Paints, Pharmaceuticals & Other Chemical Products	451.5	592.4	536.1	700.3	815.1	877.6	952.1	1,088.1	1,486.9	1,489.9	1,506.3
353/4	Petroleum Refineries & Petroleum Products	1,382.6	955.6	873.7	779.9	728.2	993.5	1,248.4	1,662.3	2,022.8	1,749.9	1,986.2
355	Processing of Jelutong & Gum Damar	3.8	3.8	3.6	3.7	3.6	3.5	3.5	3.3	3.1	2.8	2.8
356	Rubber Products except Footwear & Toys	36.1	40.3	34.8	37.0	45.2	54.2	63.4	59.6	70.9	75.0	78.8
357	Plastic Products	209.9	243.6	231.0	232.4	297.3	409.2	476.5	538.9	609.4	634.1	653.8
361/2	Pottery, China, Earthenware & Glass Products	33.9	35.0	10.9	6.1	5.8	6.4	22.3	60.7	65.1	92.4	97.1
363	Structural Clay Products	29.5	36.6	25.0	19.0	21.4	18.2	17.7	16.0	24.3	32.7	28.1
364	Cement	105.4	46.1	34.1	34.5	27.8	30.8	51.0	70.2	126.2	151.4	187.2

6.5 CENSUS VALUE ADDED OF MANUFACTURING ESTABLISHMENTS BY INDUSTRY, 1983-1993 (continued)

Million Dollars

Industrial Code	Industry	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993 ^p
365	Structural Cement & Concrete Products	192.1	235.0	213.6	150.7	110.4	93.8	105.9	123.9	151.9	160.5	205.5
369	Non-metallic Mineral Products	56.4	45.8	35.4	39.9	51.3	62.7	56.3	59.2	60.9	76.4	82.6
371	Iron & Steel	124.7	123.7	108.1	119.2	139.9	167.5	188.5	175.9	176.5	198.7	221.4
372	Non-ferrous Metals	26.3	35.1	30.3	29.9	41.4	53.9	57.2	73.6	67.0	74.6	68.6
381	Fabricated Metal Products except Machinery & Equipment	706.4	761.9	681.2	720.4	859.5	1,081.6	1,229.0	1,323.8	1,503.5	1,647.1	1,806.9
382	Machinery except Electrical & Electronic	819.8	821.3	788.7	739.1	731.6	962.2	1,142.8	1,267.6	1,417.3	1,484.7	1,422.3
383	Electrical Machinery, Apparatus, Appliances & Supplies	464.5	573.4	519.8	545.1	663.7	784.1	893.8	879.8	967.4	1,025.0	1,066.0
384	Electronic Products & Components	1,890.9	2,894.7	2,838.8	3,676.9	5,011.7	6,278.5	6,979.8	7,716.6	8,027.6	8,924.9	11,566.7
385	Transport Equipment ¹	933.0	1,011.1	1,034.4	1,011.8	1,106.8	1,323.8	1,422.1	1,613.7	1,712.6	1,988.1	2,039.8
386	Instrumentation Equipment, Photographic & Optical Goods	120.3	163.7	196.0	227.1	261.4	316.0	340.2	363.4	396.7	468.8	512.8
390	Other Manufacturing Industries	148.0	153.3	155.5	180.4	240.0	264.3	265.3	265.6	243.4	227.3	201.4
	Total Manufacturing excluding Rubber Processing	9,822.1	11,106.3	10,702.3	11,900.0	14,470.8	17,918.2	19,675.7	21,606.8	23,449.9	24,911.1	28,312.2
	Rubber Processing	33.5	16.2	7.3	8.0	9.9	14.1	14.4	8.5	3.6	7.8	5.3
	Total Manufacturing including Rubber Processing	9,855.6	11,122.4	10,709.6	11,908.0	14,480.7	17,932.3	19,690.1	21,615.3	23,453.5	24,918.9	28,317.5
	Granite Quarrying	156.9	146.4	103.2	70.3	58.8	53.9	56.1	79.0	92.3	62.6	50.2
	Total	10,012.4	11,268.9	10,812.8	11,978.3	14,539.6	17,986.2	19,746.2	21,694.3	23,545.8	24,981.5	28,367.7

Note : See notes to Table 6.3.

Source : Economic Development Board
with effect from April 1987

6.6 WORKERS IN MANUFACTURING BY INDUSTRY, 1983-1993

Number

Industrial Code	Industry	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993 ^p
311/2	Food	10,290	10,264	9,718	9,606	10,163	10,408	10,391	10,615	11,104	11,565	11,796
313	Beverage	2,494	2,398	2,273	2,264	2,258	2,304	2,406	2,439	2,440	2,306	2,315
314	Tobacco Products	865	809	753	752	709	564	583	731	816	753	739
321	Textiles & Textile Manufactures	4,542	3,903	2,814	2,662	2,918	3,324	3,355	3,406	3,343	3,286	3,056
322	Wearing Apparel except Footwear	27,234	25,710	24,782	24,812	27,718	29,402	29,105	27,694	25,915	23,434	20,060
323	Leather & Leather Products	971	950	646	577	598	686	717	677	788	836	836
324	Footwear	1,248	1,249	889	922	946	832	725	781	638	536	483
331	Sawn Timber & Other Wood Products except Furniture	6,081	4,930	4,100	3,274	3,022	3,173	3,002	2,574	2,204	2,107	2,086
332	Furniture & Fixtures except primarily of Metal, Stone & Plastics	6,737	7,466	7,045	7,404	7,457	7,719	7,143	6,521	6,463	6,310	6,436
341	Paper & Paper Products	3,860	3,675	3,462	3,315	3,590	4,093	4,341	4,604	4,932	5,032	5,163
342	Printing & Publishing	13,308	13,820	12,948	12,886	13,023	14,202	15,299	15,805	16,835	17,253	17,943
351	Industrial Chemicals & Gases	2,382	3,315	3,279	3,180	3,311	3,716	4,326	4,750	4,814	4,862	4,857
352	Paints, Pharmaceuticals & Other Chemical Products	4,531	4,520	4,485	4,264	4,394	4,591	4,685	5,168	5,282	5,506	5,567
353/4	Petroleum Refineries & Petroleum Products	3,755	3,605	3,494	3,367	3,245	3,125	3,113	3,291	3,725	3,808	3,998
355	Processing of Jelutong & Gum Damar	173	145	126	143	139	90	93	74	81	69	69
356	Rubber Products except Footwear & Toys	1,283	1,307	1,055	1,015	1,171	1,419	1,433	1,537	1,679	1,622	1,625
357	Plastic Products	9,340	9,160	8,706	8,109	9,977	12,214	12,967	13,881	15,505	15,644	16,145
361/2	Pottery, China, Earthenware & Glass Products	993	1,010	347	233	144	163	853	798	880	899	901
363	Structural Clay Products	679	641	549	436	383	361	358	305	293	294	284
364	Cement	579	552	547	424	408	366	380	416	420	450	462

6.6 WORKERS IN MANUFACTURING BY INDUSTRY, 1983-1993 (continued)

												Number
Industrial Code	Industry	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993 ^P
365	Structural Cement & Concrete Products	3,697	4,559	4,367	4,367	2,777	2,206	2,213	2,160	2,260	2,234	2,323
369	Non-metallic Mineral Products	1,600	1,418	1,384	1,387	1,470	1,820	1,764	1,475	1,332	1,741	1,767
371	Iron & Steel	1,701	1,667	1,564	1,349	1,329	1,516	1,615	1,730	1,787	1,756	1,677
372	Non-ferrous Metals	441	504	490	454	616	670	737	815	824	788	781
381	Fabricated Metal Products except Machinery & Equipment	21,313	20,923	20,061	18,900	21,365	26,004	27,085	28,440	30,593	30,200	29,958
382	Machinery except Electrical & Electronic	20,334	18,833	18,470	17,062	18,471	20,695	22,606	24,189	24,113	25,958	25,672
383	Electrical Machinery, Apparatus, Appliances & Supplies	16,347	17,348	16,892	16,241	18,836	22,064	22,366	21,989	20,768	19,905	19,447
384	Electronic Products & Components	65,837	73,022	65,617	68,772	84,910	111,559	116,080	122,797	123,358	122,562	121,336
385	Transport Equipment	26,845	24,759	21,748	17,062	17,442	20,257	22,396	26,133	29,737	31,699	31,192
386	Instrumentation Equipment, Photographic & Optical Goods	5,224	5,395	5,119	5,252	6,151	7,392	7,634	8,263	8,577	8,841	9,018
390	Other Manufacturing Industries	6,422	6,534	5,780	6,191	7,368	7,778	7,804	7,616	6,768	6,138	6,138
	Total Manufacturing excluding Rubber Processing	271,106	274,391	253,510	246,682	276,309	324,713	337,575	351,674	358,274	358,394	354,130
	Rubber Processing	980	689	516	425	216	197	187	169	179	136	133
	Total Manufacturing including Rubber Processing	272,086	275,080	254,026	247,107	276,525	324,910	337,762	351,843	358,453	358,530	354,263
	Granite Quarrying	1,142	1,145	776	625	506	325	281	224	270	258	252
	Total	273,228	276,225	254,802	247,732	277,031	325,235	338,043	352,067	358,723	358,788	354,515

Note : See notes to Table 6.3.

Source : Economic Development Board
with effect from April 1987

6.7 REMUNERATION IN MANUFACTURING BY INDUSTRY, 1983-1993

Million Dollars

Industrial Code	Industry	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993 ^p
311/2	Food	128.8	147.6	156.5	146.5	151.2	164.5	183.6	203.9	235.6	256.7	279.8
313	Beverage	36.5	40.6	44.1	40.7	39.6	45.2	49.5	63.7	72.8	70.8	76.4
314	Tobacco Products	19.2	21.1	20.8	18.8	17.9	18.9	21.5	25.4	28.9	30.2	32.2
321	Textiles & Textile Manufactures	49.1	45.9	35.1	32.7	39.0	45.1	51.1	55.1	60.4	61.8	60.7
322	Wearing Apparel except Footwear	216.1	236.9	227.3	222.7	255.6	289.2	316.5	320.7	322.0	314.6	299.5
323	Leather & Leather Products	8.2	8.7	6.9	6.0	6.4	8.6	10.3	10.2	13.2	15.4	16.5
324	Footwear	10.3	11.3	7.4	6.6	6.9	7.1	8.1	8.9	8.4	8.9	8.2
331	Sawn Timber & Other Wood Products except Furniture	66.3	56.2	47.9	37.5	37.4	41.6	45.8	43.2	41.9	42.6	44.2
332	Furniture & Fixtures except primarily of Metal, Stone & Plastics	62.5	73.6	74.3	75.1	76.9	90.9	92.0	97.6	103.2	106.5	111.7
341	Paper & Paper Products	52.3	53.3	54.8	54.3	63.8	74.7	87.3	98.2	115.0	124.3	132.4
342	Printing & Publishing	193.3	231.4	233.7	234.7	243.5	285.8	345.0	375.6	462.6	487.7	531.6
351	Industrial Chemicals & Gases	46.9	89.5	100.3	91.4	99.2	117.1	150.3	195.2	213.5	227.2	232.7
352	Paints, Pharmaceuticals & Other Chemical Products	88.6	96.3	101.4	98.0	100.8	111.9	127.2	155.4	171.4	192.6	209.5
353/4	Petroleum Refineries & Petroleum Products	148.0	151.4	154.6	148.8	148.4	154.2	174.3	204.0	241.5	252.7	275.4
355	Processing of Jelutong & Gum Damar	1.9	1.9	1.9	1.7	1.5	1.4	1.5	1.5	1.7	1.6	1.6
356	Rubber Products except Footwear & Toys	17.0	19.6	17.3	16.0	19.9	23.7	26.4	30.5	36.7	39.0	39.2
357	Plastic Products	92.7	104.7	104.9	101.9	121.9	160.7	193.9	228.8	270.6	301.7	317.1
361/2	Pottery, China, Earthenware & Glass Products	16.3	17.8	5.9	3.1	1.9	2.2	12.7	18.2	22.4	25.4	25.7
363	Structural Clay Products	11.2	11.7	9.3	6.5	5.6	5.3	6.1	6.2	6.4	7.5	7.8
364	Cement	12.3	12.4	12.2	9.2	8.4	8.5	10.5	13.3	17.8	21.5	24.1

6.7 REMUNERATION IN MANUFACTURING BY INDUSTRY, 1983-1993 (continued)

Million Dollars

Industrial Code	Industry	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993 ^p
365	Structural Cement & Concrete Products	57.2	72.6	74.9	69.3	40.5	34.1	37.3	40.3	49.8	54.6	59.2
369	Non-metallic Mineral Products	24.3	20.4	21.3	21.2	21.6	26.0	27.8	27.4	31.6	35.6	38.5
371	Iron & Steel	36.9	39.6	39.6	33.7	33.1	37.1	44.9	48.7	53.2	58.3	58.0
372	Non-ferrous Metals	7.1	8.6	8.7	9.2	11.1	14.3	17.3	21.1	23.0	25.6	26.4
381	Fabricated Metal Products except Machinery & Equipment	279.4	304.7	316.4	289.4	334.6	409.9	487.8	559.4	653.5	702.6	760.9
382	Machinery except Electrical & Electronic	341.1	362.6	377.0	319.2	335.5	403.9	488.5	567.0	630.7	736.9	757.5
383	Electrical Machinery, Apparatus, Appliances & Supplies	203.9	244.9	251.9	221.0	245.9	303.7	340.2	367.4	409.1	428.4	447.7
384	Electronic Products & Components	750.1	936.6	959.6	975.9	1,188.4	1,559.5	1,836.0	2,159.8	2,325.9	2,539.5	2,729.9
385	Transport Equipment	467.6	478.9	445.6	336.8	351.4	417.0	541.4	628.7	730.1	902.6	949.5
386	Instrumentation Equipment, Photographic & Optical Goods	60.5	69.6	69.9	68.3	83.6	99.5	119.4	158.3	183.6	199.0	209.5
390	Other Manufacturing Industries	66.3	74.4	72.2	72.8	84.4	94.9	107.7	118.5	119.4	115.4	112.1
	Total Manufacturing excluding Rubber Processing	3,571.9	4,045.0	4,053.7	3,769.1	4,176.0	5,056.5	5,961.6	6,852.2	7,655.9	8,387.1	8,875.6
	Rubber Processing	15.0	9.3	7.9	4.7	4.5	4.1	5.9	3.5	4.5	3.7	3.8
	Total Manufacturing including Rubber Processing	3,586.9	4,054.3	4,061.6	3,773.8	4,180.5	5,060.7	5,967.5	6,855.7	7,660.4	8,390.8	8,879.3
	Granite Quarrying	17.7	19.3	14.3	10.8	9.4	7.7	7.1	6.2	7.3	7.7	7.7
	Total	3,604.6	4,073.6	4,075.9	3,784.6	4,189.9	5,068.4	5,974.6	6,861.9	7,667.6	8,398.4	8,887.0

Note : See notes to Table 6.3.

Source : Economic Development Board
with effect from April 1987

6.8 VALUE OF OUTPUT OF SELECTED MANUFACTURED PRODUCTS, 1982-1992

Million Dollars

Commodity	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Soft Drinks	164.8	171.1	157.5	159.2	201.5	236.9	255.6	254.8	267.5	277.7	309.6
Fabrics	156.8	107.9	108.6	88.4	123.8	111.2	142.8	164.7	154.3	150.4	135.7
Newspapers	68.1	67.5	68.9	68.9	76.9	79.0	82.1	91.2	96.2	102.6	108.0
Paints	117.2	119.1	137.8	135.1	136.9	165.4	207.4	238.8	267.0	309.8	355.3
Pharmaceutical Products	283.1	370.0	504.3	475.7	691.1	811.2	871.8	972.0	1,032.0	1,436.6	1,373.1
Aviation Kerosene	2,961.7	2,645.6	2,686.5	2,030.2	1,377.0	1,565.5	1,717.8	1,670.1	2,290.2	2,062.4	1,935.8
Diesel Oil	4,295.6	3,510.4	2,937.2	2,918.6	1,565.7	2,110.1	2,264.9	2,638.9	3,970.1	3,889.8	3,458.4
Fuel Oil	3,509.6	3,201.5	3,584.9	2,872.3	1,666.7	1,586.9	1,472.2	1,805.0	1,905.8	1,465.9	1,399.2
Lubricating Oil	713.7	711.1	606.5	378.5	529.3	406.0	457.4	532.1	523.3	601.0	632.5
Motor Spirit	-	967.3	826.6	863.3	590.2	702.1	701.2	918.8	1,278.5	1,177.6	1,134.0
Naphtha	1,302.5	1,155.7	1,085.4	904.6	514.8	527.9	490.4	562.8	717.3	865.0	925.1
Cement	405.7	441.4	280.0	164.4	151.8	120.8	127.5	173.4	231.3	333.6	374.1
Ready-mixed Concrete	281.3	361.3	359.9	305.2	257.9	215.5	195.5	238.6	316.9	434.2	497.1
Metal Stampings	83.8	105.4	146.1	115.8	168.6	231.6	328.4	405.9	530.1	598.6	564.4
Oil Rigs & Oilfield Equipment	1,341.1	938.3	706.9	609.1	490.5	467.2	480.2	583.0	780.1	985.6	843.3
Motors	81.2	108.0	136.7	153.1	180.5	264.3	345.6	426.6	388.1	416.4	366.4
Disk Drives	-	544.6	439.8	1,112.2	2,044.4	3,653.2	4,800.7	5,002.6	6,967.0	6,545.1	7,724.6
Telephones	-	-	-	-	203.6	474.2	764.6	714.6	587.9	528.9	401.2
Television Receivers	495.7	470.3	469.1	566.0	578.4	860.4	1,172.0	1,221.3	1,441.2	1,452.0	1,135.5
Radios (excluding Radio Cassette Recorders)	206.5	217.3	101.0	156.1	151.8	178.3	208.5	174.3	141.5	126.3	93.5
Cassette Recorders (with or without radio)	524.2	569.8	809.7	702.9	730.5	1,176.8	1,157.3	1,229.5	1,285.0	1,347.6	1,138.5
Capacitors	84.8	86.8	100.8	84.4	101.7	136.7	202.2	274.6	307.2	394.1	409.7
Shipbuilding & Repairing	1,502.7	1,237.5	1,240.3	923.1	913.0	1,047.4	1,549.9	2,030.4	2,405.4	2,567.7	2,447.6
Marine Engines & Parts	151.4	110.5	106.1	89.0	99.0	100.9	158.3	202.0	183.3	221.8	231.3
Jewellery	143.0	150.7	203.4	144.0	142.7	153.1	243.4	271.4	343.0	341.6	333.4
Toys	93.3	94.7	119.2	135.1	187.9	339.6	384.1	306.6	265.6	275.3	220.6

Source : Economic Development Board
with effect from April 1987

6.9 QUARTERLY INDEX OF INDUSTRIAL PRODUCTION, 1992 AND 1993
(1992 = 100)

Industrial Code	Major Industry Group	1992				1993			
		1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr
	Total Manufacturing excluding Rubber Processing	91.9	97.5	103.2	107.3	99.5	109.2	114.7	115.9
311/2	Food	97.4	96.6	103.6	102.1	94.4	103.7	106.8	110.2
313	Beverage	97.9	96.9	105.0	100.2	94.8	96.9	105.6	96.6
314	Cigarettes & Other Tobacco Products	102.3	104.7	79.4	113.6	89.6	92.0	106.3	125.0
321	Textiles & Textile Manufactures	97.3	106.3	107.2	89.2	82.0	93.7	85.6	90.2
322	Wearing Apparel except Footwear	88.4	100.1	112.8	98.6	72.2	82.4	87.8	74.9
323	Leather & Leather Products	95.9	99.4	93.8	110.8	115.2	101.8	101.5	119.4
324	Footwear	110.8	106.1	87.4	95.7	113.1	82.3	84.7	70.5
331	Sawn Timber & Other Wood Products except Furniture	98.4	99.5	99.6	102.6	85.9	98.2	98.5	86.5
332	Furniture & Fixtures except primarily of Metal, Stone & Plastics	90.0	96.3	103.3	110.5	97.0	103.9	113.7	120.4
341	Paper & Paper Products	93.4	99.2	105.2	102.2	87.5	101.2	107.8	102.6
342	Printing & Publishing	87.4	99.2	104.7	108.7	93.1	107.5	112.5	118.7
351	Industrial Chemicals & Gases	105.1	103.0	94.6	97.4	106.2	109.9	111.0	93.0
352	Paints & Pharmaceutical & Other Chemical Products	104.2	96.7	101.5	97.5	99.6	116.9	89.7	106.7
353/4	Petroleum Refineries & Petroleum Products	105.8	93.2	89.4	111.7	111.3	108.3	115.4	120.0
356	Rubber Products except Footwear & Toys	94.8	101.3	106.3	97.7	87.6	110.1	117.1	109.1
357	Plastic Products	92.8	98.8	107.4	100.9	93.6	105.1	115.9	114.8
361/2	Pottery, China, Earthenware & Glass Products	82.9	102.3	110.4	104.4	96.2	96.3	106.7	115.0

6.9 QUARTERLY INDEX OF INDUSTRIAL PRODUCTION, 1992 AND 1993 (continued)
(1992 = 100)

Industrial Code	Major Industry Group	1992				1993			
		1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr
363	Bricks, Tiles & Other Structural Clay Products	91.6	108.5	103.9	96.0	84.5	95.0	84.6	78.5
364	Cement	88.6	94.4	103.7	113.2	104.3	117.4	135.9	132.4
365	Structural Cement & Concrete Products	96.2	90.9	105.4	107.4	112.6	112.7	131.9	140.4
369	Non-metallic Mineral Products	77.8	91.7	110.1	120.5	93.0	105.1	102.2	109.1
371	Iron & Steel	84.3	88.2	105.5	122.1	107.4	104.8	108.7	119.2
372	Non-ferrous Metals	96.0	94.6	112.1	97.3	87.7	89.1	103.3	95.7
381	Fabricated Metal Products except Machinery & Equipment	91.2	98.4	105.9	104.5	95.8	105.0	109.5	104.3
382	Machinery except Electrical & Electronic	90.2	100.2	102.3	107.4	88.7	96.5	93.2	95.7
383	Electrical Machinery, Apparatus, Appliances & Supplies	92.7	99.6	106.4	101.3	91.4	105.4	109.1	107.6
384	Electronic Products & Components	84.1	95.4	105.6	114.8	107.5	119.3	131.3	134.0
385	Transport Equipment	96.7	103.0	101.5	98.8	87.4	97.7	107.3	104.2
386	Instrumentation Equipment, Photographic & Optical Goods	93.0	97.0	108.2	101.7	94.8	105.1	121.8	112.0
390	Other Manufacturing Industries	95.0	99.2	109.9	95.9	75.7	83.3	89.1	84.8

Source: Economic Development Board

6.10 ANNUAL INDEX OF INDUSTRIAL PRODUCTION, 1986-1993
(1992 = 100)

Industrial Code	Major Industry Group	1986	1987	1988	1989	1990	1991	1992	1993
	Total Manufacturing excluding Rubber Processing	55.1	64.7	76.5	84.2	92.6	97.6	100.0	109.8
311/2	Food	83.3	84.4	92.0	94.7	92.3	97.3	100.0	103.8
313	Beverage	62.7	75.0	84.0	81.7	88.5	89.3	100.0	98.5
314	Cigarettes & Other Tobacco Products	24.4	20.7	37.2	54.5	79.6	88.6	100.0	103.2
321	Textiles & Textile Manufactures	84.5	97.0	104.1	108.6	101.9	109.3	100.0	87.9
322	Wearing Apparel except Footwear	93.0	109.4	116.3	118.6	110.7	110.2	100.0	79.3
323	Leather & Leather Products	124.3	139.4	130.8	110.2	106.8	87.0	100.0	109.5
324	Footwear	61.9	74.0	88.7	79.8	84.3	120.3	100.0	87.6
331	Sawn Timber & Other Wood Products except Furniture	132.2	142.5	141.1	124.7	116.9	99.3	100.0	92.3
332	Furniture & Fixtures except primarily of Metal, Stone & Plastics	93.9	91.0	96.6	93.8	93.2	98.8	100.0	108.8
341	Paper & Paper Products	69.4	92.3	101.5	103.6	108.6	113.3	100.0	99.8
342	Printing & Publishing	58.1	63.6	70.3	77.9	85.9	93.3	100.0	108.0
351	Industrial Chemicals & Gases	67.2	80.0	85.5	91.1	103.5	105.3	100.0	105.0
352	Paints & Pharmaceutical & Other Chemical Products	51.7	52.1	53.9	63.9	83.3	109.1	100.0	103.2
353/4	Petroleum Refineries & Petroleum Products	76.5	71.1	74.4	84.6	96.0	99.2	100.0	113.8
356	Rubber Products except Footwear & Toys	105.8	110.9	107.3	107.1	95.2	108.0	100.0	106.0
357	Plastic Products	65.6	81.4	93.5	93.7	92.8	102.5	100.0	107.4
361/2	Pottery, China, Earthenware & Glass Products	63.2	68.4	75.2	70.8	81.9	86.6	100.0	103.5

6.10 ANNUAL INDEX OF INDUSTRIAL PRODUCTION, 1986-1993 *(continued)*
(1992 = 100)

Industrial Code	Major Industry Group	1986	1987	1988	1989	1990	1991	1992	1993
363	Bricks, Tiles & Other Structural Clay Products	55.0	62.3	62.6	69.0	67.4	80.8	100.0	85.6
364	Cement	67.3	56.9	59.4	63.4	68.9	87.9	100.0	122.5
365	Structural Cement & Concrete Products	91.2	70.4	64.7	68.7	79.1	93.7	100.0	124.4
369	Non-metallic Mineral Products	38.6	57.0	59.3	90.1	91.2	91.0	100.0	102.3
371	Iron & Steel	83.5	86.6	92.0	94.6	101.9	96.9	100.0	110.0
372	Non-ferrous Metals	72.6	78.7	80.2	74.8	86.4	89.5	100.0	93.9
381	Fabricated Metal Products except Machinery & Equipment	68.2	77.8	91.7	95.2	93.9	94.6	100.0	103.7
382	Machinery except Electrical & Electronic	50.0	58.3	70.2	82.8	89.3	100.8	100.0	93.5
383	Electrical Machinery, Apparatus, Appliances & Supplies	55.1	72.8	86.9	98.9	91.6	99.9	100.0	103.4
384	Electronic Products & Components	43.9	57.7	73.9	81.3	91.9	91.9	100.0	123.0
385	Transport Equipment	54.2	58.6	70.6	86.0	95.6	100.2	100.0	99.2
386	Instrumentation Equipment, Photographic & Optical Goods	42.8	50.0	61.6	62.0	71.6	95.3	100.0	108.4
390	Other Manufacturing Industries	98.1	160.6	170.0	119.6	127.0	125.3	100.0	83.2

Source : Economic Development Board
with effect from April 1987

6.11 NET INVESTMENT COMMITMENTS IN MANUFACTURING BY INDUSTRY, 1983-1993

Million Dollars

Industry	1983 ¹	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Total	1,775.8	1,828.4	1,120.4	1,450.0	1,743.0	2,007.4	1,958.7	2,487.4	2,934.0	3,481.0	3,893.3
Food & Beverages	185.9	154.4	55.5	83.3	156.6	168.4	34.1	43.8	39.8	76.5	92.9
Textiles	7.3	0.3	3.2	5.6	3.0	10.6	2.0	2.8	11.2	5.2	-
Wearing Apparel	2.8	6.7	0.7	-	6.8	0.9	0.4	0.2	5.7	10.0	0.4
Leather & Rubber	22.9	8.1	4.9	0.4	8.5	5.6	-	10.0	4.4	2.8	1.7
Wood Products	8.0	15.8	21.3	11.4	14.7	-	2.1	8.6	2.8	4.6	-
Paper Products & Printing	22.1	111.3	32.3	36.2	25.1	72.0	93.8	76.2	109.4	89.5	87.3
Industrial Chemicals	52.1	8.1	34.5	78.0	32.9	124.7	213.5	265.9	322.0	294.3	783.5
Other Chemical Products	106.2	30.7	18.2	111.5	11.0	25.7	21.7	35.0	243.4	248.4	340.4
Petroleum	367.1	358.8	190.0	116.0	122.4	-	290.0	381.0	99.5	454.2	84.6
Plastic Products	27.7	33.4	19.4	42.6	115.9	53.5	37.8	8.9	87.2	110.8	48.3
Non-metallic Mineral Products	136.0	24.6	88.4	9.3	6.2	133.8	-	9.0	47.9	63.1	126.1
Basic Metals	36.8	18.1	2.9	8.3	5.2	15.3	86.6	-	2.8	34.3	69.4
Fabricated Metal Products	167.4	71.5	39.5	82.0	104.3	109.9	101.0	103.1	127.1	152.5	150.3
Machinery except Electrical	84.5	225.9	125.0	205.6	93.5	180.5	131.0	186.2	376.5	343.7	330.8
Electrical Machinery & Appliances	57.9	30.1	76.0	130.8	128.1	97.3	77.7	98.5	17.0	17.9	93.6
Electronic Products & Components	293.8	625.8	300.1	391.1	710.3	838.3	699.2	1,098.6	1,243.4	1,257.3	1,227.4
Transport Equipment	92.7	72.5	88.3	64.0	61.7	110.4	50.8	114.1	124.3	167.1	341.2
Precision Equipment	65.8	17.0	2.0	53.8	116.6	44.0	93.0	21.1	34.0	138.3	113.7
Other Products	-	1.6	3.5	-	11.8	0.7	14.3	-	35.7	10.5	1.8
Servicing/Engineering	38.9	13.8	14.8	19.9	8.4	15.9	9.8	24.3	-	-	-

Note : Net investment commitments refer to gross commitments less projects withdrawn or uncertain as at 31 December 1993.

Source : Economic Development Board

1 Exclude Petrochemicals.

6.12 NET INVESTMENT COMMITMENTS IN MANUFACTURING BY COUNTRY OF ORIGIN, 1983-1993

Million Dollars

Country	1983 ¹	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Total	1,775.8	1,828.4	1,120.4	1,450.0	1,743.0	2,007.4	1,958.7	2,487.4	2,934.0	3,481.0	3,893.3
Local	506.0	493.7	232.4	259.4	295.0	349.6	333.3	269.5	472.9	748.0	741.0
Foreign	1,269.8	1,334.7	888.0	1,190.6	1,448.0	1,657.8	1,625.4	2,217.9	2,461.1	2,733.0	3,152.3
United States	571.7	805.9	427.3	443.4	543.5	586.6	520.2	1,054.8	969.2	1,201.4	1,452.2
Japan	166.6	166.6	244.1	493.8	601.1	691.3	541.2	708.2	713.2	858.0	779.4
Europe	394.1	325.1	201.0	218.8	285.8	358.1	544.2	435.3	684.2	618.7	857.2
European Community (EC)	338.8	318.9	180.9	204.8	241.0	345.1	525.4	395.5	615.9	536.1	771.0
United Kingdom	207.5	186.6	69.4	93.4	42.4	56.6	174.6	89.9	186.5	305.5	357.8
Netherlands	99.2	70.3	75.2	57.1	70.9	82.9	174.0	72.6	216.2	43.1	7.7
Germany	12.8	14.3	20.1	16.7	90.3	46.7	26.4	165.7	60.2	106.4	204.6
France	6.8	-	15.1	27.8	15.2	86.0	106.0	60.4	75.2	34.1	124.9
Italy	5.1	44.8	-	5.1	22.0	68.0	32.8	-	70.1	26.7	43.3
Other EC Countries	7.4	2.9	1.1	4.7	0.2	4.8	11.6	6.9	7.7	20.6	32.7
Switzerland	15.4	2.7	4.7	7.7	27.8	10.1	0.9	32.7	12.6	63.1	66.3
Other European Countries	39.9	3.6	15.4	6.3	17.0	2.9	18.0	7.1	55.7	19.3	19.9
Others	137.4	37.1	15.6	34.6	17.6	21.7	19.8	19.6	94.5	55.0	63.5

1 Exclude Petrochemicals.

Source : Economic Development Board

6.13 PRINCIPAL STATISTICS OF PIONEER MANUFACTURING ESTABLISHMENTS, 1982-1992

End of Year	Establishments	Workers	Materials	Output	Census Value Added	Remuneration	Paid-up Capital	Gross Fixed Assets	Direct Exports
	Number		Million Dollars						
1982	412	105,480	13,778	19,888	4,847	1,333	2,112	8,275	13,992
1983	442	112,510	13,950	20,683	5,379	1,560	2,540	9,124	14,824
1984	448	121,269	16,392	24,237	6,361	1,855	2,805	10,233	17,736
1985	448	115,079	15,603	23,539	6,499	1,983	3,964	12,420	17,708
1986	430	115,852	13,792	22,867	7,819	1,903	4,248	13,112	17,835
1987	430	131,791	18,362	29,426	9,647	2,124	4,506	14,413	23,027
1988	423	157,433	22,180	35,117	11,765	2,534	5,198	16,536	27,824
1989	398	158,084	24,169	37,764	12,032	2,842	6,342	18,151	30,023
1990	415	166,078	28,230	43,435	13,470	3,308	6,191	20,308	33,828
1991	432	170,584	29,295	46,077	14,922	3,733	6,756	22,395	33,863
1992	420	166,724	30,010	47,330	15,365	3,989	7,089	24,661	33,531

Source : Economic Development Board
with effect from April 1987

6.14 PRINCIPAL STATISTICS OF PIONEER MANUFACTURING ESTABLISHMENTS BY INDUSTRY GROUP, DECEMBER 1992

Industry Group	Estab- lishments	Workers	Materials	Output	Census Value Added	Remunera- tion	Paid-up Capital	Gross Fixed Assets	Direct Exports	Value Added Per Worker
	Number		Million Dollars							\$'000
Total	420	166,724	30,010	47,330	15,365	3,989	7,089	24,661	33,531	92
Food & Beverages	8	1,145	212	343	120	34	113	213	199	105
Textiles & Garments	10	2,188	80	163	60	39	131	178	151	27
Printing & Paper Products	6	1,041	117	284	156	34	15	266	240	150
Industrial Chemicals & Gases	28	3,177	1,342	2,111	649	157	1,032	2,870	1,419	204
Chemical Products	17	2,124	303	1,540	1,219	83	224	572	1,433	574
Petroleum & Petroleum Products	5	2,809	5,529	7,364	1,589	198	383	6,605	1,340	566
Rubber Products	4	660	17	49	28	17	40	77	40	42
Plastic Products	17	2,380	115	276	124	45	45	265	99	52
Non-metallic Mineral Products	8	1,817	149	353	175	46	114	371	126	96
Basic Metal Industries	8	1,682	290	551	210	59	115	446	162	125
Fabricated Metal Products	51	8,263	601	1,226	555	202	344	1,008	580	67
Non-electrical Machinery	60	10,793	816	1,636	723	310	243	1,310	1,306	67
Electrical Machinery	34	13,738	891	1,737	744	286	303	1,215	1,251	54
Electronic Products	106	99,889	18,821	27,526	7,930	2,096	3,534	7,576	23,219	79
Transport Equipment	20	6,780	315	1,254	638	212	293	903	1,119	94
Instrumentation Equipment	27	6,576	324	750	385	143	94	614	707	59
Miscellaneous	11	1,662	89	167	60	29	66	171	140	36

Source : Economic Development Board

6.15 INDICES OF UNIT BUSINESS COST AND UNIT LABOUR COST, 1983-1993
(1988 = 100)

	Unit Business Cost of Manufacturing				Unit Labour Cost of Overall Economy
	Total	Unit Labour Cost	Services Cost	Government Rates & Fees	
Period \ Weights ¹	100.0	49.4	48.3	2.3	
1983	110.1	105.5	112.6	148.1	108.1
1984	114.6	112.2	115.0	150.4	112.4
1985	114.5	119.8	107.9	132.6	113.5
1986	100.4	101.7	99.4	95.4	100.8
1987	96.9	96.2	97.6	96.7	96.7
1988	100.0	100.0	100.0	100.0	100.0
1989	107.0	111.4	102.2	110.4	108.9
1990	114.8	122.3	106.5	129.0	118.1
1991	121.1	131.5	109.2	149.8	126.4
1992	125.2	140.3	108.2	159.5	129.6
1993	123.9	135.8	110.1	158.3	129.0

¹ The weights are based on the 1988 input structure and are used in the compilation of the indices from 1988 onwards.

CHART 7

QUARTERLY INDEX OF INDUSTRIAL PRODUCTION, 1987-1993
(1992 = 100)

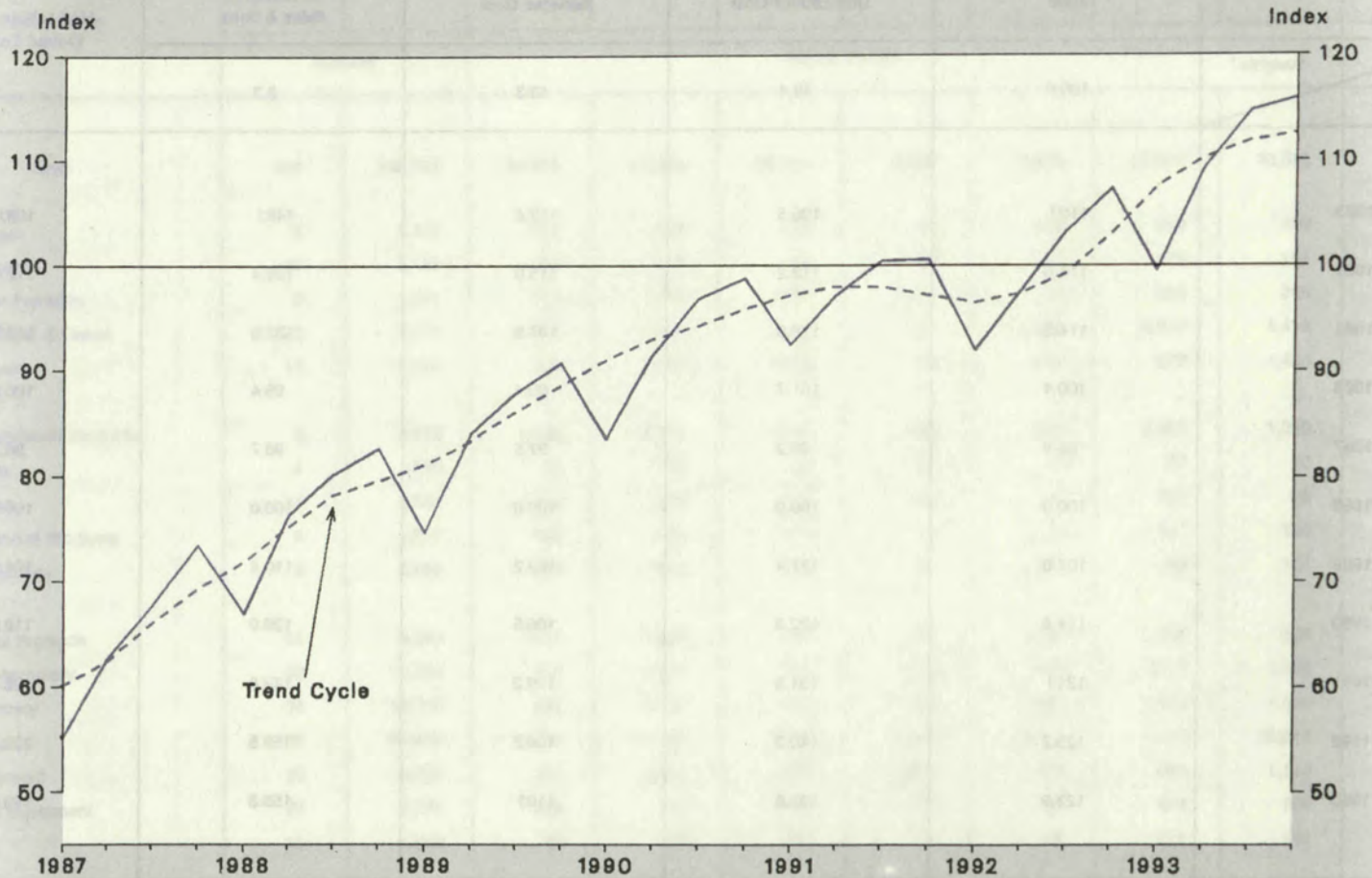
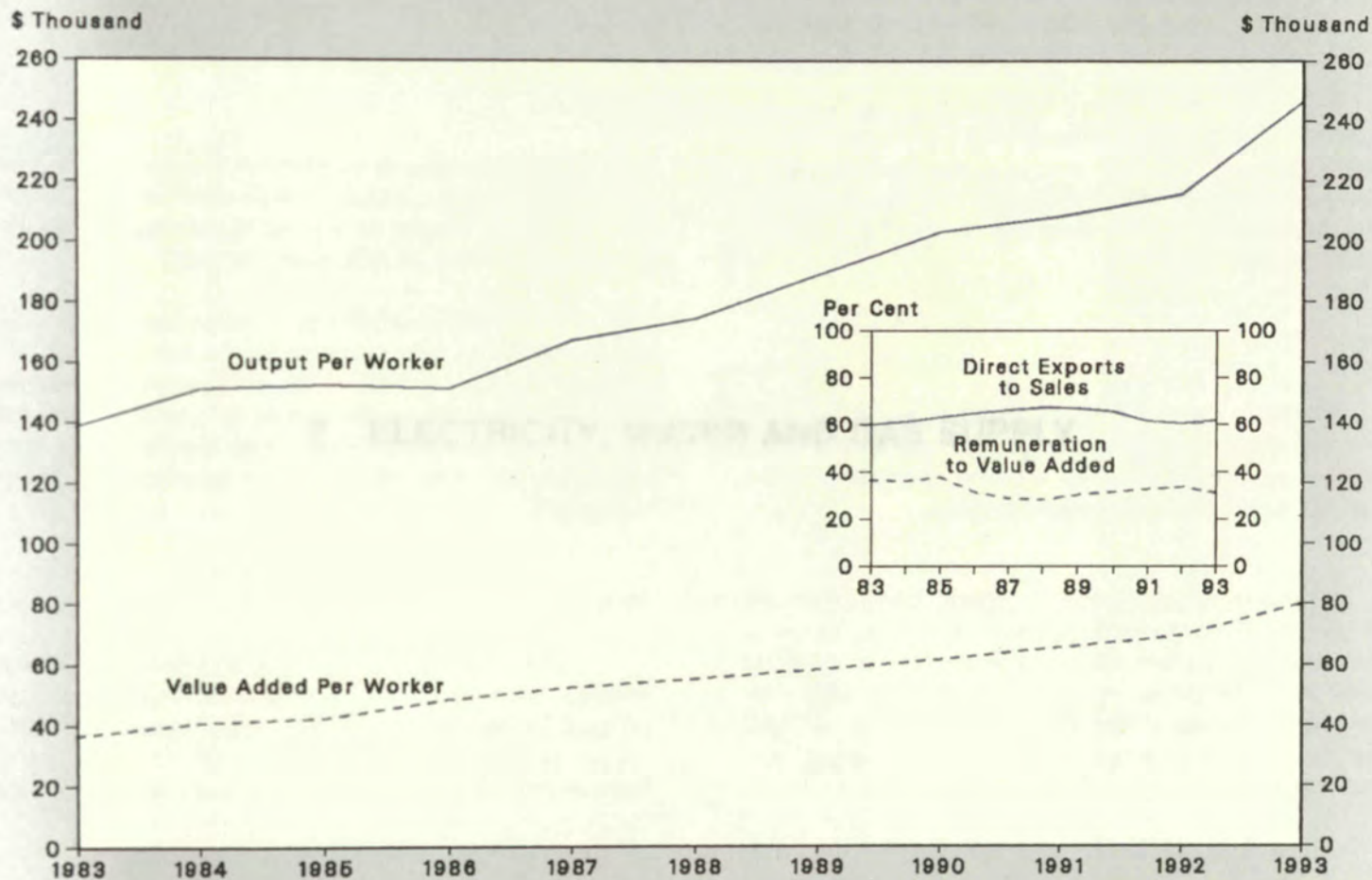


CHART 8

SELECTED RATIOS IN MANUFACTURING, 1983-1993



1997 law by which the Singaporean Government has set the framework for the water and gas supply industry. The law provides for the creation of a public utility company to manage the water and gas supply.

Water

Potable water is available in Singapore at the turn of the tap. The quality of water is well within the Guidelines for Drinking Water Quality set by the World Health Organization and is safe to drink straight from the tap.

Water supplies are drawn mainly from 19 surrounding reservoirs, 14 in Singapore and 5 in Johor. Water is also tapped from rivers in Johor. After purification and treatment at the water treatment plant, water is pumped into service. The water is then distributed into the distribution network consisting of 4,412 kilometres of pipelines for supply to customers.

Gas

Gas is produced by eight natural gas refineries at the Kallang Gasworks which has a total installed production capacity of about 1,000 million cubic metres per day. Gas produced during off-peak periods is stored in the holders in Kallang and Queenstown and used to supplement the supply

of gas during the winter months. The gas is transported by pipeline to the main distribution system and is supplied to customers by the Singapore Gas Company Limited (SGCL).

The Public Utilities Board (PUB) is responsible for the production and distribution of electricity, water and gas in Singapore. Today, Singapore enjoys a standard of utilities supply rated among the best in the world. The deciding factor was the Republic's ability to meet the needs of companies competing worldwide.

Electricity

Electricity was first made available in the Republic in 1908. Today, electricity is generated by the Singapore Electric Light and Power Corporation Limited (SELCO). The total installed generating capacity is 4,213 megawatts (MW).

A network of 230 kilovolt (kV), 66kV, 22kV, 6.6kV and 0.4 kV cables interlinked by transformers at substations forms the transmission and distribution system whereby electricity is supplied from the power stations to the customers. The network now consists of about 19,000 kilometres of cable circuits, 28,000 megawatt-amperes of transformer capacity and 6,100 substations.

7 ELECTRICITY, WATER AND GAS SUPPLY

The Public Utilities Board (PUB) is responsible for the production and distribution of electricity, water and gas in Singapore. Today, Singapore enjoys a standard of utilities supply rated among the best in the world. The deciding factor was the Republic's ability to meet the needs of companies competing worldwide.

Electricity

Electricity was first made available to the Republic in 1906. Today, electricity is generated at power stations at Pulau Seraya, Senoko, Jurong and Pasir Panjang. The total installed generating capacity is 4,513 megawatt (MW).

A network of 230 kilovolt (kV), 66kV, 22kV, 6.6kV and 0.4 kV cables interlinked by transformers at substations forms the transmission and distribution system whereby electricity is supplied from the power stations to the customers. The network now consists of about 19,000 kilometres of cable circuits, 29,000 megavolt-amperes of transformer capacity and 6,100 substations.

Water

Potable water is available in Singapore at the turn of the tap. The quality of water is well within the Guidelines for Drinking Water Quality set by the World Health Organisation and is safe to drink straight from the tap.

Water supplies are drawn mainly from 19 impounding reservoirs, 14 in Singapore and 5 in Johor. Water is also tapped from rivers in Johor. After purification and treatment at the nine treatment works, water is pumped into service reservoirs for storage as well as into the distribution network consisting of 4,412 kilometres of pipelines for supply to customers.

Gas

Gas is produced by eight naphtha reformers at the Kallang Gasworks which has a total installed production capacity of about 1.092 million cubic metres per day. Gas produced during off-peak periods is stored in the holders in Kallang and Queenstown and used to supplement the supply

during the peak demand periods. There is a total of 2,097 kilometres of gas mains in use. Kallang Gasworks will be relocated to Senoko by end-1996.

Data on monthly electricity, water and gas production and sales may be obtained from the "Monthly Digest of Statistics" published by the Department of Statistics.

Year	Electricity Generated (GWh)	Electricity Consumed (GWh)	Electricity Imports (GWh)	Electricity Exports (GWh)	Water Produced (Million Litres)	Water Consumed (Million Litres)	Gas Produced (Million Cubic Metres)	Gas Consumed (Million Cubic Metres)	Gas Imports (Million Cubic Metres)	Gas Exports (Million Cubic Metres)	Number of Customers (End of Period)
1984/85	1,147.7	1,147.7	0.0	0.0	1,147.7	1,147.7	1,147.7	1,147.7	0.0	0.0	1,147.7
1985/86	1,147.7	1,147.7	0.0	0.0	1,147.7	1,147.7	1,147.7	1,147.7	0.0	0.0	1,147.7
1986/87	1,147.7	1,147.7	0.0	0.0	1,147.7	1,147.7	1,147.7	1,147.7	0.0	0.0	1,147.7
1987/88	1,147.7	1,147.7	0.0	0.0	1,147.7	1,147.7	1,147.7	1,147.7	0.0	0.0	1,147.7
1988/89	1,147.7	1,147.7	0.0	0.0	1,147.7	1,147.7	1,147.7	1,147.7	0.0	0.0	1,147.7
1989/90	1,147.7	1,147.7	0.0	0.0	1,147.7	1,147.7	1,147.7	1,147.7	0.0	0.0	1,147.7
1990/91	1,147.7	1,147.7	0.0	0.0	1,147.7	1,147.7	1,147.7	1,147.7	0.0	0.0	1,147.7
1991/92	1,147.7	1,147.7	0.0	0.0	1,147.7	1,147.7	1,147.7	1,147.7	0.0	0.0	1,147.7
1992/93	1,147.7	1,147.7	0.0	0.0	1,147.7	1,147.7	1,147.7	1,147.7	0.0	0.0	1,147.7
1993/94	1,147.7	1,147.7	0.0	0.0	1,147.7	1,147.7	1,147.7	1,147.7	0.0	0.0	1,147.7
1994/95	1,147.7	1,147.7	0.0	0.0	1,147.7	1,147.7	1,147.7	1,147.7	0.0	0.0	1,147.7
1995/96	1,147.7	1,147.7	0.0	0.0	1,147.7	1,147.7	1,147.7	1,147.7	0.0	0.0	1,147.7
1996/97	1,147.7	1,147.7	0.0	0.0	1,147.7	1,147.7	1,147.7	1,147.7	0.0	0.0	1,147.7
1997/98	1,147.7	1,147.7	0.0	0.0	1,147.7	1,147.7	1,147.7	1,147.7	0.0	0.0	1,147.7
1998/99	1,147.7	1,147.7	0.0	0.0	1,147.7	1,147.7	1,147.7	1,147.7	0.0	0.0	1,147.7
1999/00	1,147.7	1,147.7	0.0	0.0	1,147.7	1,147.7	1,147.7	1,147.7	0.0	0.0	1,147.7
2000/01	1,147.7	1,147.7	0.0	0.0	1,147.7	1,147.7	1,147.7	1,147.7	0.0	0.0	1,147.7
2001/02	1,147.7	1,147.7	0.0	0.0	1,147.7	1,147.7	1,147.7	1,147.7	0.0	0.0	1,147.7

7.1 ELECTRICITY GENERATION AND SALES, 1983-1993

Year	Generation	Sales					Number of Customers (End of Period)
		Total	Domestic	Manufacturing	Other Industries	Export	
	Million Kilowatt Hours						
1983	8,665.1	7,697.6	1,313.0	3,504.9	2,824.9	54.8	611,449
1984	9,451.8	8,398.8	1,336.2	3,926.7	3,062.9	73.0	670,736
1985	9,917.0	8,871.2	1,461.8	4,018.6	3,340.4	50.4	712,450
1986	10,576.5	9,475.8	1,565.3	4,267.8	3,642.7	-	731,163
1987	11,813.8	10,616.6	1,728.7	4,843.6	4,044.3	-	750,860
1988	13,017.5	11,734.8	1,864.1	5,471.7	4,399.0	-	783,970
1989	14,039.0	12,687.5	1,946.1	6,053.6	4,687.9	-	804,629
1990	15,617.6	14,194.4	2,392.0	6,738.9	5,063.4	-	821,846
1991	16,596.6	15,088.9	2,657.8	7,079.2	5,351.9	-	838,167
1992	17,543.3	15,948.0	2,888.4	7,305.0	5,754.6	-	863,510
1993	18,962.4	17,194.1	3,124.4	7,792.9	6,225.0	51.8	890,995

Source : Public Utilities Board

7.2 WATER TREATMENT AND SALES, 1983-1993

Year	Treatment	Sales							Number of Customers (End of Period)
		Total	Domestic	Shipping	Commerce & Industry	Government & Statutory Boards	Johore		
		Thousand Cubic Metres							
1983	336,770.7	307,322.3	132,438.2	3,267.9	93,534.8	27,798.1	50,283.3	579,269	
1984	359,662.5	317,942.0	136,217.8	2,586.5	94,889.2	31,618.0	52,630.5	636,651	
1985	366,214.7	322,677.7	141,706.5	2,161.5	89,406.6	32,667.9	56,735.2	680,767	
1986	366,024.8	324,664.3	144,547.6	2,164.4	87,300.0	32,480.8	58,171.5	698,667	
1987	378,060.1	334,679.7	151,772.7	1,856.6	95,084.1	33,285.4	52,680.9	716,252	
1988	389,487.6	344,073.8	159,657.5	2,453.7	99,318.8	35,503.6	47,140.2	748,036	
1989	400,114.4	355,635.5	165,439.0	2,682.3	107,134.0	34,868.9	45,511.3	765,801	
1990	415,128.5	374,222.4	177,343.3	2,914.5	113,148.3	29,391.9	51,424.4	782,555	
1991	434,066.5	399,013.2	187,659.1	3,069.2	117,811.5	26,628.1	63,845.2	799,049	
1992	451,126.1	419,565.6	197,368.8	3,010.6	125,196.8	27,719.0	66,270.5	823,229	
1993	465,428.8	433,940.4	205,251.0	2,982.0	134,375.5	28,130.5	63,201.4	848,758	

Source : Public Utilities Board

7.3 GAS PRODUCTION AND SALES, 1983-1993

Year	Production	Sales				Number of Customers (End of Period)
		Total	Domestic		Non-domestic	
			Public Housing	Others		
Million Kilowatt Hours Equivalent						
1983	605.4	566.5	261.0	61.0	244.5	190,087
1984	609.4	573.1	267.1	60.6	245.4	188,445
1985	569.9	541.3	251.9	56.1	233.3	185,246
1986	577.3	549.8	243.7	51.7	254.4	186,507
1987	623.5	604.2	245.1	49.1	310.0	189,610
1988	681.1	668.7	256.2	49.6	362.9	205,930
1989	722.4	709.5	271.4	48.7	389.4	218,627
1990	807.1	784.8	283.5	47.8	453.5	229,935
1991	883.7	866.3	298.0	47.7	520.6	243,811
1992	943.3	929.2	306.9	46.5	575.8	259,928
1993	1,016.8	1,006.8	326.3	47.3	633.2	274,929

Source : Public Utilities Board

8 BUILDING CONSTRUCTION AND HOUSING

EDUCATION AND HOUSING

8 BUILDING CONSTRUCTION AND HOUSING

Building Construction

Building construction refers to erection of new building, and addition/alteration to existing building, but excludes erection of temporary structures, illegal building works or minor works which do not require planning approval. Data on planning approval, building plan approval and notice of commencement are compiled from the administrative records of Development Control Division, Urban Redevelopment Authority (URA) and Building Control Division of the Public Works Department (PWD). Records on notice of tender invitation and completion are collected through surveys conducted by the Research Section, URA. Statistics on contracts awarded and progress payments certified are collected through surveys conducted by the Construction Economics Research Unit, Construction Industry Development Board (CIDB).

Definitions

Planning Approval : Refers to the planning permission granted by the Minister or the Competent Authority to develop any land in accordance with the development rules in force.

Building Plan Approval (Private Sector Only) : Refers to the permission granted to building plans and specifications submitted in accordance with Building Control Act.

Building Commencement : For the private sector, it refers to the Notice of Intention to Commence Building Works submitted by architects/professional engineers to the Building Control Division, PWD. For the public sector, it refers to the tender invitation stage for construction works.

Building Completion : Refers to those declared in the survey returns from architects, engineers and public authorities on completed projects.

Gross Floor Area : Refers to the total area of floor space within a building as measured between party walls, including the thickness of external walls and all other covered areas such as covered car park decks. Area for open airwells is excluded.

Estimated Cost of Construction : Refers to the cost of building and ancillary works, excluding development charges, professional fees, costs of land and furnishings.

Contracts Awarded : Refers to the full contract given to the main contractor by the architect, engineer or developer/owner even though part or all the works may be further sub-contracted to another contractor.

Progress Payment Certified : Refers to value of all construction works done and certified for progress payment. Where construction works are carried out by the developer/owner himself and the architect does not certify progress payments, the expenses incurred on the construction work are taken to be the progress payments certified.

More details of building construction statistics may be obtained from the "Monthly Bulletin of Construction Statistics", "Construction Statistics Quarterly" and "Real Estate Statistics Quarterly" published by the Research Section, URA. Details on contracts awarded and progress payments certified may be obtained from the "Construction Focus" and "Construction Economics Report" published by the CIDB.

Housing

The Housing and Development Board (HDB), established on 1 February 1960, is the public housing authority of Singapore. It is responsible for planning and developing housing and related facilities for sale and rental, and providing mortgage financing to flat buyers. It also undertakes projects for the Government and other authorities on an agency basis.

These include projects such as land reclamation, design and construction of bus interchanges and sports complexes. HDB's operations are financed mainly by Government loans.

HDB is currently into its seventh five-year building programme (1991-1995). Some 17,891 flats were built in 1993. To meet the demand for public housing, HDB will be building 27,000 to 30,000 new flats a year over the next three years. With more than 87% of Singapore's population living in HDB flats, HDB also concentrates on improving the quality of public housing through better planning and design, efficient estate management and housing administration, and the upgrading of older HDB estates.

The Upgrading Programme, announced in July 1989, aims to bridge the gap between the standards of the older estates and those of the newer towns. Improvement works will be carried out within the flat, in the common areas outside the flat, as well as the areas outside the apartment block. The construction works for six demonstration precincts commenced in February/March 1993. With the overwhelming support for the upgrading programme from the six demonstration precincts, the Government brought forward the steady phase of the programme and announced the first batch of six precincts in May 1992. The second batch of six precincts was announced in April 1993 and the third batch of five precincts in October 1993.

The Sale of Tenanted Shops Programme was implemented in July 1992 to encourage shopkeepers to invest

and upgrade their operations. The sale programme has received very good response from tenants. In all, about 14,000 shops will be sold over a six-year period.

HDB also launched the Sale of Sites Programme to

facilitate greater participation by the private sector in the development of residential estates and commercial facilities within HDB new towns. Under the programme, 21 land parcels in HDB new towns were sold for residential development between 1989 and 1993. During the same period, 15 parcels of land were sold for commercial development.

8.1 PLANNING APPROVALS, 1983-1993

Year	Total			Public Sector			Private Sector		
	Number	Gross Floor Area ('000 Sq M)	Estimated Cost of Construction (\$ Million)	Number	Gross Floor Area ('000 Sq M)	Estimated Cost of Construction (\$ Million)	Number	Gross Floor Area ('000 Sq M)	Estimated Cost of Construction (\$ Million)
1983	1,769	11,669.0	8,077.2	251	7,860.0	4,216.1	1,518	3,809.0	3,861.1
1984	1,780	8,932.8	5,705.6	233	5,983.2	2,993.6	1,547	2,949.6	2,712.0
1985	1,361	7,769.0	3,971.0	272	6,102.9	2,323.7	1,089	1,666.1	1,647.3
1986	1,481	8,615.9	4,315.0	262	7,176.4	3,204.7	1,219	1,439.5	1,110.3
1987	1,830	7,517.1	3,646.3	207	5,310.9	2,150.6	1,623	2,206.2	1,495.7
1988	2,000	5,078.6	3,678.1	292	2,478.4	1,685.5	1,708	2,600.2	1,992.6
1989	2,112	5,234.5	4,467.1	313	1,659.0	1,112.4	1,799	3,575.5	3,354.7
1990	2,267	6,876.3	6,008.1	356	2,806.8	2,014.9	1,911	4,069.5	3,993.2
1991	1,977	7,700.8	8,866.2	319	3,338.0	2,547.8	1,658	4,362.8	6,318.4
1992	2,356	10,181.2	10,258.3	470	6,033.4	4,996.0	1,886	4,147.8	5,262.3
1993 ^P	2,275	8,575.4	9,481.9	441	4,315.5	3,340.9	1,834	4,259.9	6,141.0

Source : Ministry of National Development
Urban Redevelopment Authority
with effect from September 1989

8.2 COMMENCEMENT OF BUILDING CONSTRUCTION, 1983-1993

Year	Total			Public Sector			Private Sector		
	Number	Gross Floor Area ('000 Sq M)	Estimated Cost of Construction (\$ Million)	Number	Gross Floor Area ('000 Sq M)	Estimated Cost of Construction (\$ Million)	Number	Gross Floor Area ('000 Sq M)	Estimated Cost of Construction (\$ Million)
1983	2,042	12,454.5	8,590.1	654	8,798.2	4,860.3	1,388	3,656.3	3,729.8
1984	1,996	8,112.0	5,446.6	562	6,179.7	3,496.1	1,434	1,932.3	1,950.5
1985	1,606	6,141.2	3,241.1	542	5,079.0	2,205.6	1,064	1,062.2	1,035.5
1986	1,596	5,428.1	2,653.7	507	4,769.1	2,117.7	1,089	659.0	536.0
1987	1,936	4,309.9	2,868.6	453	2,552.5	1,501.2	1,483	1,757.4	1,367.4
1988	2,247	4,278.2	3,033.4	435	2,249.2	1,392.7	1,812	2,029.0	1,640.7
1989	2,312	6,635.3	6,531.2	364	2,315.9	1,640.1	1,948	4,319.4	4,891.1
1990	2,971	7,496.9	7,621.3	368	4,113.1	2,884.7	2,603	3,383.8	4,736.6
1991	2,907	8,714.3	9,189.9	416	5,166.0	4,282.7	2,491	3,548.3	4,907.2
1992	3,050	9,477.5	10,103.9	417	5,936.3	5,145.7	2,633	3,541.2	4,958.2
1993 ^P	3,379	9,469.7	9,661.6	413	5,190.6	3,861.4	2,966	4,279.1	5,800.2

Source : Ministry of National Development
Urban Redevelopment Authority
with effect from September 1989

8.3 CONSTRUCTION PROJECTS COMPLETED, 1983-1993

Year	Total			Public Sector			Private Sector		
	Number	Gross Floor Area ('000 Sq M)	Cost of Construction (\$ Million)	Number	Gross Floor Area ('000 Sq M)	Cost of Construction (\$ Million)	Number	Gross Floor Area ('000 Sq M)	Cost of Construction (\$ Million)
1983	1,641	6,725.1	4,609.3	518	3,893.9	2,052.9	1,123	2,831.2	2,556.4
1984	2,006	14,989.5	8,834.4	675	11,662.1	5,300.0	1,331	3,327.4	3,534.4
1985	1,925	11,423.9	6,621.2	614	8,545.5	3,672.8	1,311	2,878.4	2,948.4
1986	1,661	9,040.9	6,425.6	518	6,231.0	3,102.1	1,143	2,809.9	3,323.5
1987	1,822	7,160.0	4,330.1	486	5,504.4	2,548.1	1,336	1,655.6	1,782.0
1988	1,761	6,382.7	3,245.3	421	5,044.6	1,957.9	1,340	1,338.1	1,287.4
1989	1,974	4,167.9	2,965.9	422	2,408.1	1,207.7	1,552	1,759.8	1,758.2
1990	2,381	4,897.2	4,086.2	367	2,588.6	1,615.4	2,014	2,308.6	2,470.8
1991	2,604	4,597.6	4,051.8	372	2,277.5	1,431.8	2,232	2,320.1	2,620.0
1992	2,740	7,024.7	6,629.6	346	4,041.8	2,592.3	2,394	2,982.9	4,037.3
1993 *	2,764	6,852.0	7,169.2	303	3,392.3	2,276.6	2,461	3,459.7	4,892.6

Source : Ministry of National Development
Urban Redevelopment Authority
with effect from September 1989

8.4 PLANNING APPROVALS BY TYPE OF DEVELOPMENT, 1983-1993

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993 ^p
All Types	Number										
	1,769	1,780	1,361	1,481	1,830	2,000	2,112	2,267	1,977	2,356	2,275
	Residential	983	986	646	773	1,076	1,009	933	628	843	896
	Commercial	137	137	116	139	135	200	359	517	585	506
	Industrial	378	384	290	273	381	455	530	731	585	478
	Others	271	273	309	296	238	336	290	338	288	395
All Types	Gross Floor Area (Thousand Square Metres)										
	11,669.0	8,932.8	7,769.0	8,615.9	7,517.1	5,078.6	5,234.5	6,876.3	7,700.8	10,181.2	8,575.4
	Residential	8,745.6	6,432.8	5,888.6	6,598.2	5,886.5	3,394.3	2,385.5	3,804.3	3,806.0	5,458.3
	Commercial	698.7	787.3	409.7	279.7	195.9	270.0	766.9	800.0	1,543.2	825.7
	Industrial	1,180.8	881.0	933.9	558.6	868.2	693.8	1,470.7	1,572.4	1,766.4	1,315.8
	Others	1,043.9	831.7	536.8	1,179.4	566.5	720.5	611.4	699.6	585.2	975.6
All Types	Estimated Cost of Construction (Million Dollars)										
	8,077.2	5,705.6	3,971.0	4,315.0	3,646.3	3,678.1	4,467.1	6,008.1	8,866.2	10,258.3	9,481.9
	Residential	5,312.1	3,427.8	2,231.7	2,627.1	2,562.5	2,034.1	1,640.3	2,681.8	2,966.3	4,605.1
	Commercial	981.8	722.0	579.7	219.1	165.2	327.9	1,075.3	1,204.9	3,559.0	1,731.9
	Industrial	880.6	627.9	526.1	361.5	545.7	489.2	1,080.2	1,212.7	1,502.2	1,334.4
	Others	902.7	927.9	633.5	1,107.3	372.9	826.9	671.3	908.7	838.7	1,210.5

Source : Ministry of National Development
Urban Redevelopment Authority
with effect from September 1989

8.5 PLANNING APPROVALS BY TYPE OF DEVELOPMENT IN THE PUBLIC SECTOR, 1983-1993

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993 ^P
Number											
All Types	251	233	272	262	207	292	313	356	319	470	441
Residential	40	30	22	38	27	23	38	45	59	127	147
Commercial	14	13	9	17	17	16	56	74	46	74	47
Industrial	9	3	1	-	5	8	14	13	20	25	18
Others	188	187	240	207	158	245	205	224	194	244	229
Gross Floor Area (Thousand Square Metres)											
All Types	7,860.0	5,983.2	6,102.9	7,176.4	5,310.9	2,478.4	1,659.0	2,806.8	3,338.0	6,033.4	4,315.5
Residential	6,712.7	4,906.1	5,227.5	5,900.2	4,876.4	1,778.7	997.1	2,215.2	2,421.3	4,836.9	3,574.3
Commercial	39.2	245.6	131.2	178.3	76.5	30.2	64.2	70.0	22.3	123.7	85.5
Industrial	281.8	123.5	308.5	-	33.5	141.0	191.8	105.9	385.2	467.3	157.2
Others	826.3	708.0	435.7	1,097.9	324.5	528.5	405.9	415.7	509.2	605.5	498.5
Estimated Cost of Construction (Million Dollars)											
All Types	4,216.1	2,993.6	2,323.7	3,204.7	2,150.6	1,685.5	1,112.4	2,014.9	2,547.8	4,996.0	3,340.9
Residential	3,170.2	1,952.4	1,610.1	2,038.7	1,807.0	765.0	487.7	1,241.7	1,493.8	3,246.1	2,282.1
Commercial	44.8	156.9	82.6	126.2	42.0	56.0	52.8	119.1	47.7	143.4	110.7
Industrial	195.8	48.5	106.0	-	20.5	105.1	87.6	66.2	263.0	466.7	127.3
Others	805.3	835.8	525.0	1,039.8	281.1	759.4	484.3	587.9	743.3	1,139.8	820.8

Source : Ministry of National Development
Urban Redevelopment Authority
with effect from September 1989

8.6 PLANNING APPROVALS BY TYPE OF DEVELOPMENT IN THE PRIVATE SECTOR, 1983-1993

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993 ^P
Number											
All Types	1,518	1,547	1,089	1,219	1,623	1,708	1,799	1,911	1,658	1,886	1,834
Residential	943	956	624	735	1,049	986	895	636	569	716	749
Commercial	123	124	107	122	118	184	303	443	397	511	459
Industrial	369	381	289	273	376	447	516	718	598	560	460
Others	83	86	69	89	80	91	85	114	94	99	166
Gross Floor Area (Thousand Square Metres)											
All Types	3,809.0	2,949.6	1,666.1	1,439.5	2,206.2	2,600.2	3,575.5	4,069.5	4,362.8	4,147.8	4,259.9
Residential	2,032.9	1,526.7	661.1	698.0	1,010.1	1,615.6	1,388.4	1,589.1	1,384.7	2,364.6	1,884.0
Commercial	659.5	541.7	278.5	101.4	119.4	239.8	702.7	730.0	1,520.9	394.1	740.2
Industrial	899.0	757.5	625.4	558.6	834.7	552.8	1,278.9	1,466.5	1,381.2	1,338.4	1,158.6
Others	217.6	123.7	101.1	81.5	242.0	192.0	205.5	283.9	76.0	50.7	477.1
Estimated Cost of Construction (Million Dollars)											
All Types	3,861.1	2,712.0	1,647.3	1,110.3	1,495.7	1,992.6	3,354.7	3,993.2	6,318.4	5,262.3	6,141.0
Residential	2,141.9	1,475.4	621.6	588.4	755.5	1,269.1	1,152.6	1,440.1	1,472.5	2,697.4	2,323.0
Commercial	937.0	565.1	497.1	92.9	123.2	271.9	1,022.5	1,085.8	3,511.3	939.1	1,621.2
Industrial	684.8	579.4	420.1	361.5	525.2	384.1	992.6	1,146.5	1,239.2	1,529.9	1,207.1
Others	97.4	92.1	108.5	67.5	91.8	67.5	187.0	320.8	95.4	95.9	989.7

Source : Ministry of National Development
Urban Redevelopment Authority
with effect from September 1989

8.7 COMMENCEMENT OF BUILDING CONSTRUCTION BY TYPE OF DEVELOPMENT, 1983-1993

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993 ^P
Number											
All Types	2,042	1,996	1,606	1,596	1,936	2,247	2,312	2,971	2,907	3,050	3,379
Residential	999	904	693	661	891	1,054	1,027	1,470	1,334	1,533	1,880
Commercial	210	274	228	294	331	291	459	592	612	701	650
Industrial	400	405	286	296	367	535	500	586	646	553	581
Others	433	413	399	345	347	367	326	323	315	263	268
Gross Floor Area (Thousand Square Metres)											
All Types	12,454.5	8,112.0	6,141.2	5,428.1	4,309.9	4,278.2	6,635.3	7,496.9	8,714.3	9,477.5	9,469.7
Residential	9,141.2	5,881.7	4,969.6	4,313.0	2,870.6	2,812.2	3,239.1	4,030.3	5,236.4	6,645.1	6,740.9
Commercial	940.0	657.0	350.1	141.4	120.6	196.5	1,433.8	1,227.3	873.0	615.5	389.7
Industrial	943.7	664.2	277.4	282.5	644.5	800.4	1,246.0	1,545.1	1,750.8	1,224.5	1,797.0
Others	1,429.6	909.1	544.1	691.2	674.2	469.1	716.4	694.2	854.1	992.4	542.1
Estimated Cost of Construction (Million Dollars)											
All Types	8,590.1	5,446.6	3,241.1	2,653.7	2,868.6	3,033.4	6,531.2	7,621.3	9,189.9	10,103.9	9,661.6
Residential	4,972.7	2,730.0	2,101.5	1,679.9	1,542.9	1,634.4	2,265.5	2,737.8	4,052.8	5,346.8	5,622.8
Commercial	1,208.8	860.2	384.4	150.7	164.4	241.3	2,426.2	2,651.7	1,967.1	1,390.7	977.8
Industrial	783.4	517.0	216.1	228.7	494.4	600.3	1,026.6	1,267.0	1,821.5	1,515.2	1,888.0
Others	1,625.2	1,339.4	539.1	594.4	666.9	557.4	812.9	964.8	1,348.5	1,851.2	1,173.0

Source : Ministry of National Development
Urban Redevelopment Authority
with effect from September 1989

8.8 COMMENCEMENT OF BUILDING CONSTRUCTION BY TYPE OF DEVELOPMENT IN THE PUBLIC SECTOR, 1983-1993

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993 ^P	
All Types	Number											
	654	562	542	507	453	435	364	368	416	417	413	
	Residential	206	179	158	183	139	117	85	99	119	159	170
	Commercial	52	49	34	37	29	36	34	21	66	82	60
	Industrial	32	17	14	29	24	30	23	43	39	33	46
	Others	364	317	336	258	261	252	222	205	192	143	137
All Types	Gross Floor Area (Thousand Square Metres)											
	8,798.2	6,179.7	5,079.0	4,769.1	2,552.5	2,249.2	2,315.9	4,113.1	5,166.0	5,936.3	5,190.6	
	Residential	7,315.0	5,140.5	4,462.5	4,052.2	2,088.4	1,692.1	1,787.0	3,130.2	3,880.2	4,814.4	4,514.9
	Commercial	289.2	219.5	129.8	75.1	1.8	21.0	119.1	15.8	113.0	130.1	72.6
	Industrial	120.4	43.9	-	-	35.5	167.5	78.5	417.4	536.3	117.1	184.7
	Others	1,073.6	775.8	486.7	641.8	426.8	368.6	331.3	549.7	636.5	874.7	418.4
All Types	Estimated Cost of Construction (Million Dollars)											
	4,860.3	3,496.1	2,205.6	2,117.7	1,501.2	1,392.7	1,640.1	2,884.7	4,282.7	5,145.7	3,861.4	
	Residential	3,024.1	2,002.8	1,639.3	1,471.5	886.7	747.7	931.7	1,769.8	2,543.5	3,137.6	2,614.1
	Commercial	218.5	217.5	73.2	81.3	13.5	40.2	177.8	27.4	142.2	187.7	115.3
	Industrial	102.2	30.2	7.0	18.3	30.2	121.8	85.8	324.0	639.7	169.0	211.4
	Others	1,515.5	1,245.6	486.1	546.6	570.8	483.0	444.8	763.5	957.3	1,651.4	920.6

Source : Ministry of National Development
Urban Redevelopment Authority
with effect from September 1989

8.9 COMMENCEMENT OF BUILDING CONSTRUCTION BY TYPE OF DEVELOPMENT IN THE PRIVATE SECTOR, 1983-1993

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993 ^P
Number											
All Types	1,388	1,434	1,064	1,089	1,483	1,812	1,948	2,603	2,491	2,633	2,966
Residential	793	725	535	478	752	937	942	1,371	1,215	1,374	1,710
Commercial	158	225	194	257	302	255	425	571	546	619	590
Industrial	368	388	272	267	343	505	477	543	607	520	535
Others	69	96	63	87	86	115	104	118	123	120	131
Gross Floor Area (Thousand Square Metres)											
All Types	3,656.3	1,932.3	1,062.2	659.0	1,757.4	2,029.0	4,319.4	3,383.8	3,548.3	3,541.2	4,279.1
Residential	1,826.2	741.2	507.1	260.8	782.2	1,120.1	1,452.1	900.1	1,356.2	1,830.7	2,226.0
Commercial	650.8	437.5	220.3	66.3	118.8	175.5	1,314.7	1,211.5	760.0	485.4	317.1
Industrial	823.3	620.3	277.4	282.5	609.0	632.9	1,167.5	1,127.7	1,214.5	1,107.4	1,612.3
Others	356.0	133.3	57.4	49.4	247.4	100.5	385.1	144.5	217.6	117.7	123.7
Estimated Cost of Construction (Million Dollars)											
All Types	3,729.8	1,950.5	1,035.5	536.0	1,367.4	1,640.7	4,891.1	4,736.6	4,907.2	4,958.2	5,800.2
Residential	1,948.6	727.2	462.2	208.4	656.2	886.7	1,333.8	968.0	1,509.3	2,209.2	3,008.7
Commercial	990.3	642.7	311.2	69.4	150.9	201.1	2,248.4	2,624.3	1,824.9	1,203.0	862.5
Industrial	681.2	486.8	209.1	210.4	464.2	478.5	940.8	943.0	1,181.8	1,346.2	1,676.6
Others	109.7	93.8	53.0	47.8	96.1	74.4	368.1	201.3	391.2	199.8	252.4

Source : Ministry of National Development
Urban Redevelopment Authority
with effect from September 1989

8.10 CONSTRUCTION PROJECTS COMPLETED BY TYPE OF DEVELOPMENT, 1983-1993

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993 ^P
All Types	Number										
	1,641	2,006	1,925	1,661	1,822	1,761	1,974	2,381	2,604	2,740	2,764
	700	877	933	752	814	822	873	1,011	1,230	1,269	1,386
	182	289	218	279	342	250	367	587	469	622	593
	396	437	361	257	329	389	424	461	607	580	547
	363	403	413	373	337	300	310	322	298	269	238
All Types	Gross Floor Area (Thousand Square Metres)										
	6,725.1	14,989.5	11,423.9	9,040.9	7,160.0	6,382.7	4,167.9	4,897.2	4,597.6	7,024.7	6,852.0
	3,754.7	11,217.2	9,221.5	6,250.9	5,092.6	4,863.1	2,889.5	2,658.1	2,600.5	4,262.4	3,978.5
	850.8	1,506.3	728.2	1,448.6	821.4	359.9	293.7	416.7	368.6	711.6	958.6
	1,549.3	1,531.1	984.9	473.2	360.7	637.3	672.4	968.7	1,338.0	1,348.6	1,173.3
	570.3	734.9	489.3	868.2	885.3	522.4	312.3	853.7	290.5	702.1	741.6
All Types	Cost of Construction (Million Dollars)										
	4,609.3	8,834.4	6,621.2	6,425.6	4,330.1	3,245.3	2,965.9	4,086.2	4,051.8	6,629.6	7,169.2
	1,958.0	4,994.8	4,497.4	2,828.3	2,018.5	1,821.0	1,534.8	1,537.8	1,628.3	2,660.4	2,948.5
	801.6	1,856.5	892.3	2,256.9	1,103.0	403.4	390.2	896.9	627.2	1,687.0	2,007.8
	1,144.8	1,035.9	699.5	333.9	264.5	529.8	618.1	782.4	1,267.5	1,334.3	1,238.7
	704.9	947.2	532.0	1,006.5	944.1	491.1	422.8	869.1	528.8	947.9	974.2

Source : Ministry of National Development
Urban Redevelopment Authority
with effect from September 1989

8.11 PUBLIC SECTOR CONSTRUCTION PROJECTS COMPLETED BY TYPE OF DEVELOPMENT, 1983-1993

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993 ^P
Number											
All Types	518	675	614	518	486	421	422	367	372	346	303
Residential	137	235	227	171	189	166	120	78	82	113	95
Commercial	40	60	28	31	32	29	59	50	56	68	47
Industrial	47	39	29	19	22	22	21	25	42	30	30
Others	294	341	330	297	243	204	222	214	192	135	131
Gross Floor Area (Thousand Square Metres)											
All Types	3,893.9	11,662.1	8,545.5	6,231.0	5,504.4	5,044.6	2,408.1	2,588.6	2,277.5	4,041.8	3,392.3
Residential	2,561.2	9,960.1	7,511.6	5,099.7	4,480.9	4,399.9	2,009.9	1,670.4	1,681.0	3,346.7	2,548.7
Commercial	259.5	464.5	272.6	274.0	212.5	121.0	33.4	36.1	85.2	55.1	10.6
Industrial	623.8	583.1	349.0	44.0	-	59.7	104.3	96.6	270.7	172.4	228.5
Others	449.4	654.4	412.3	813.3	811.0	464.0	260.5	785.5	240.6	467.6	604.5
Cost of Construction (Million Dollars)											
All Types	2,052.9	5,300.0	3,672.8	3,102.1	2,548.1	1,957.9	1,207.7	1,615.4	1,431.8	2,592.3	2,276.6
Residential	930.4	3,754.2	2,798.5	1,799.2	1,479.2	1,421.0	771.2	701.9	708.5	1,644.6	1,311.6
Commercial	211.7	434.6	235.8	307.3	203.1	66.0	31.3	47.0	79.2	111.1	37.2
Industrial	300.5	272.9	165.5	32.4	9.7	38.4	55.2	83.0	222.2	202.6	172.7
Others	610.3	838.3	473.0	963.2	856.1	432.5	350.0	783.5	421.7	634.0	755.1

Source : Ministry of National Development
Urban Redevelopment Authority
with effect from September 1989

8.12 PRIVATE SECTOR CONSTRUCTION PROJECTS COMPLETED BY TYPE OF DEVELOPMENT, 1983-1993

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993 ^P
All Types	Number										
	1,123	1,331	1,311	1,143	1,336	1,340	1,552	2,014	2,232	2,394	2,461
	Residential	563	642	706	581	625	656	753	933	1,148	1,291
	Commercial	142	229	190	248	310	221	308	537	413	554
	Industrial	349	398	332	238	307	367	403	436	565	517
	Others	69	62	83	76	94	96	88	106	134	107
All Types	Gross Floor Area (Thousand Square Metres)										
	2,831.2	3,327.4	2,878.4	2,809.9	1,655.6	1,338.1	1,759.8	2,308.6	2,320.1	2,982.9	3,459.7
	Residential	1,193.5	1,257.1	1,709.9	1,151.2	611.7	463.2	879.6	987.7	919.5	1,429.8
	Commercial	591.3	1,041.8	455.6	1,174.6	608.9	238.9	260.3	380.6	283.4	948.0
	Industrial	925.5	948.0	635.9	429.2	360.7	577.6	568.1	872.1	1,067.3	944.8
	Others	120.9	80.5	77.0	54.9	74.3	58.4	51.8	68.2	49.9	137.1
All Types	Cost of Construction (Million Dollars)										
	2,556.4	3,534.4	2,948.4	3,323.5	1,782.0	1,287.4	1,758.2	2,470.8	2,620.0	4,037.3	4,892.6
	Residential	1,027.6	1,240.6	1,698.9	1,029.1	539.3	400.0	763.6	835.9	919.8	1,636.9
	Commercial	589.9	1,421.9	656.5	1,949.6	899.9	337.4	358.9	849.9	547.8	1,575.9
	Industrial	844.3	763.0	534.0	301.5	254.8	491.4	562.9	699.4	1,045.3	1,066.0
	Others	94.6	108.9	59.0	43.3	88.0	58.6	72.8	85.6	107.1	219.1

Source : Ministry of National Development
Urban Redevelopment Authority
with effect from September 1989

8.13 BUILDING PLAN APPROVALS BY TYPE OF DEVELOPMENT IN THE PRIVATE SECTOR, 1983-1993

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993 ^P
All Types	Number										
	1,533	1,669	1,322	1,207	1,457	1,894	2,230	2,988	2,732	2,646	2,856
	Residential	825	862	652	556	687	985	1,132	1,487	1,292	1,307
	Commercial	198	260	243	270	337	298	447	653	684	629
	Industrial	422	444	350	296	346	497	538	710	655	545
	Others	88	103	77	85	87	114	113	132	110	131
All Types	Gross Floor Area (Thousand Square Metres)										
	5,538.6	2,822.2	1,958.7	889.1	1,178.7	1,900.9	2,832.9	2,836.9	3,967.6	3,270.0	3,580.0
	Residential	2,083.1	1,132.7	880.0	483.6	535.4	988.3	1,149.2	1,216.5	1,078.3	1,411.1
	Commercial	2,144.6	802.0	581.4	70.6	119.7	149.6	385.0	532.3	1,500.0	762.5
	Industrial	1,015.9	680.5	422.4	260.5	396.7	635.5	1,080.4	870.8	1,256.0	990.4
	Others	295.0	207.0	74.9	74.4	126.9	127.5	218.3	217.3	133.3	106.0
All Types	Estimated Cost of Construction (Million Dollars)										
	6,396.4	2,884.0	1,952.7	835.2	917.0	1,648.2	2,648.9	3,202.6	5,774.7	4,581.7	5,141.3
	Residential	2,186.4	1,195.4	762.5	441.6	434.6	801.7	963.9	1,204.8	1,218.8	1,654.6
	Commercial	3,216.8	1,087.3	771.1	122.1	141.9	174.7	686.9	1,025.0	3,215.8	1,751.9
	Industrial	890.0	505.8	345.3	194.3	286.6	578.1	885.1	705.3	1,138.0	1,023.0
	Others	103.2	95.5	73.8	77.2	53.9	93.7	113.0	267.5	202.1	152.2

Source : Ministry of National Development
Urban Redevelopment Authority
with effect from September 1989

8.14 RESIDENTIAL UNITS IN THE PUBLIC SECTOR BY TYPE OF BUILDING AND STAGE OF DEVELOPMENT, 1983-1993

Number

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993 ^P
All Types	Planning Approval Stage										
	54,709	39,018	33,339	38,536	30,283	10,623	5,710	11,849	12,361	24,776	19,207
	Detached	-	-	-	-	-	-	-	-	-	-
	Terrace	-	-	-	1	-	6	-	-	-	-
	Flats	54,709	38,922	33,319	37,705	29,982	10,623	5,704	11,849	12,361	19,207
	Others	-	96	20	830	301	-	-	-	-	-
All Types	Building of Commencement Stage										
	59,201	39,676	31,854	26,584	13,083	10,631	10,885	16,146	20,136	24,951	25,626
	Detached	-	-	-	-	-	-	-	-	-	-
	Terrace	-	-	-	-	-	-	4	-	-	-
	Flats	59,105	39,676	31,834	26,584	13,083	10,631	10,885	16,142	20,136	24,951
	Others	96	-	20	-	-	-	-	-	-	-
All Types	Building Completion Stage										
	19,275	78,288	59,633	38,519	32,859	29,149	12,328	10,562	10,348	18,165	12,978
	Detached	-	16	-	-	-	-	-	-	-	-
	Terrace	-	12	-	-	-	-	-	-	4	-
	Flats	19,275	78,244	59,633	38,403	32,859	28,319	12,328	10,348	18,161	12,978
	Others	-	16	-	116	-	830	-	-	-	-

Note : Figures refer to erections of residential units only.
They do not include additions or alterations.

Source : Ministry of National Development
Urban Redevelopment Authority
with effect from September 1989

8.15 RESIDENTIAL UNITS IN THE PRIVATE SECTOR BY TYPE OF BUILDING AND STAGE OF DEVELOPMENT, 1983-1993

											Number
											1993 ^P
1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993 ^P	
Planning Approval Stage											
All Types	8,933	6,484	2,535	2,848	3,984	6,676	5,383	6,538	5,566	10,512	10,073
Detached	291	289	174	137	202	234	201	191	175	244	279
Semi-detached	566	912	192	290	457	396	451	312	276	594	505
Terrace	1,030	1,396	384	765	1,562	2,119	1,374	1,012	721	834	533
Flats	7,035	3,883	1,785	1,649	1,752	3,926	1,298	1,486	1,231	2,330	2,797
Condominium							2,059	3,537	3,163	6,510	5,959
Others	11	4	-	7	11	1	-	-	-	-	-
Building Plan Approval Stage											
All Types	9,436	4,461	3,777	2,074	2,051	3,988	4,769	4,570	4,327	6,714	9,267
Detached	239	273	165	75	126	173	194	156	149	167	211
Semi-detached	418	477	528	235	336	382	321	368	251	397	434
Terrace	639	663	824	504	655	1,802	1,233	1,359	759	869	328
Flats	8,132	3,045	2,259	1,253	934	1,629	716	1,306	959	1,231	2,459
Condominium							2,305	1,381	2,209	4,050	5,835
Others	8	3	1	7	-	2	-	-	-	-	-
Building of Commencement Stage											
All Types	7,465	2,929	2,107	991	3,246	4,720	5,669	3,346	6,616	8,411	10,640
Detached	223	211	107	53	108	217	153	155	154	200	290
Semi-detached	487	430	420	183	461	350	336	387	261	375	532
Terrace	836	504	544	422	1,225	1,654	1,620	744	810	573	1,018
Flats	5,906	1,781	1,035	326	1,451	2,498	1,149	1,270	1,325	1,260	2,011
Condominium							2,411	790	4,066	6,003	6,789
Others	13	3	1	7	1	1	-	-	-	-	-
Building Completion Stage											
All Types	4,919	5,441	7,388	5,173	2,295	1,705	3,741	3,647	3,520	3,595	5,812
Detached	161	144	179	109	157	85	135	168	145	121	157
Semi-detached	357	290	377	385	275	345	376	348	347	282	529
Terrace	481	365	674	365	457	625	882	1,227	1,426	869	1,250
Flats	3,902	4,595	6,150	4,312	1,393	650	575	675	868	793	1,398
Condominium							1,773	1,229	734	1,530	2,478
Others	18	47	8	2	13	-	-	-	-	-	-

Note : Figures refer to erections of residential units only.
They do not include additions or alterations.

Source : Ministry of National Development
Urban Redevelopment Authority
with effect from September 1989

8.16 PROPERTIES UNDER THE MANAGEMENT OF HOUSING AND DEVELOPMENT BOARD, 1983-1993

Number

End of Year	Residential								Shops ¹
	Total	1-room	2-room	3-room	4-room	5-room	Executive ²	HUDC ³	
1983	430,169	60,982	48,563	203,116	81,082	31,345	1,867	3,214	18,729
1984	506,340	60,283	48,622	229,671	116,764	40,678	5,400	4,922	21,209
1985	551,767	60,105	48,566	242,878	139,136	45,097	8,266	7,719	25,175
1986	585,445	58,957	48,002	252,039	157,902	51,484	11,454	5,607	25,896
1987	612,826	58,237	47,713	256,648	171,557	58,776	14,288	5,607	26,136
1988	630,645	53,356	46,590	254,449	185,709	66,864	18,070	5,607	26,637
1989	610,955	28,741	42,226	252,541	193,538	69,435	19,002	5,472	30,553
1990	623,821	28,697	42,206	252,044	202,046	71,754	21,602	5,472	30,473
1991	626,313	28,125	38,445	248,358	207,773	74,714	23,426	5,472	30,594
1992	641,016	27,470	36,671	247,030	211,455	83,213	29,713	5,464	30,691 ⁴
1993	655,487	27,446	36,682	244,824	215,467	90,431	35,173	5,464	30,697

1 Include Industrial units.

2 From 1987, figures include multi-generation flats.

3 From 1989, figures include landed properties.

4 Figures exclude 97 sold Industrial units.

Source : Housing & Development Board

8.17 RESIDENTIAL UNITS CONSTRUCTED AND SOLD BY HOUSING AND DEVELOPMENT BOARD, 1983-1993

Year	Flats Constructed	Flats Sold Under 'Home Ownership Scheme' ¹	Percentage of Population Living in Public Flats ³ (End of Period)
	Number		
1983	40,062	34,013	77
1984	67,017	81,823	81
1985	46,370 ²	34,856	84
1986	38,907 ²	30,575	85
1987	29,008	25,635	86
1988	27,071	40,688	87
1989	11,793	17,986	88
1990	13,739	13,692	87
1991	10,452	15,002	87
1992	18,482 ⁴	19,188	87
1993	17,891	19,594	87

1 Flats are considered 'sold' only when keys are issued to the applicants. From 1989, figures include HUDC units.

2 Include middle-income housing units completed by Urban Redevelopment Authority.

3 From 1990 onwards, data refer to resident population.

4 Exclude 96 units due to reclassification.

Source : Housing & Development Board

8.18 CONTRACTS AWARDED BY SECTOR AND TYPE OF WORK, 1983-1993

Million Dollars

Sector / Type of Work	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993 ^P
Both Sectors	9,609.9	6,962.6	4,836.4	3,897.7	4,040.2	3,390.7	5,500.6	8,034.3	7,873.5	12,832.2	10,555.9
Building Work	7,983.5	4,682.4	2,871.8	2,273.2	2,903.6	2,709.9	4,296.5	6,838.8	6,597.2	11,037.6	8,665.9
Residential	3,876.8	2,721.0	1,672.6	1,492.4	1,638.8	1,585.9	1,737.0	2,695.3	2,685.0	5,171.7	4,633.7
Commerical	2,377.8	513.0	223.9	105.1	145.5	256.2	967.4	2,050.2	1,774.1	3,476.2	1,242.3
Industrial	699.7	455.1	160.9	135.4	540.9	410.7	893.1	1,004.2	1,220.9	1,541.8	1,448.9
Others	1,029.2	993.3	814.3	540.3	578.4	457.2	699.1	1,089.1	917.1	847.9	1,341.0
Civil Engineering Work	1,626.4	2,280.2	1,964.6	1,624.5	1,136.6	680.8	1,204.1	1,195.6	1,276.3	1,794.6	1,890.0
Private Sector	4,151.0	1,493.5	683.9	385.1	1,264.5	1,586.5	2,689.9	4,337.5	4,019.5	6,770.8	4,354.0
Building Work	4,151.0	1,493.5	683.9	380.9	1,255.4	1,449.8	2,655.1	4,275.2	4,004.6	6,691.7	4,290.0
Residential	1,305.1	626.9	353.7	154.6	573.0	812.9	841.9	1,241.0	1,147.0	1,967.8	1,807.1
Commerical	2,231.0	386.4	121.1	50.6	89.3	222.9	903.1	1,930.5	1,714.7	3,237.0	977.0
Industrial	542.8	413.2	152.4	124.1	503.9	338.5	728.6	766.8	1,024.4	1,346.1	1,220.1
Others	72.1	67.1	56.8	51.7	89.3	75.6	181.6	337.0	118.5	140.8	285.8
Civil Engineering Work	-	-	-	4.2	9.1	136.7	34.8	62.3	14.9	79.1	64.0
Public Sector	5,458.8	5,469.1	4,152.4	3,512.6	2,775.7	1,804.2	2,810.7	3,696.8	3,854.0	6,061.4	6,201.9
Building Work	3,832.5	3,188.8	2,187.9	1,892.3	1,648.2	1,260.1	1,641.4	2,563.5	2,592.5	4,345.9	4,375.8
Residential	2,571.7	2,094.1	1,318.9	1,337.9	1,065.8	773.1	895.1	1,454.3	1,538.0	3,203.9	2,826.6
Commerical	146.8	126.7	102.9	54.5	56.2	33.3	64.3	119.6	59.4	239.1	265.3
Industrial	156.9	41.9	8.5	11.4	37.0	72.2	164.5	237.5	196.5	195.7	228.8
Others	957.2	926.1	757.6	488.6	489.1	381.6	517.5	752.1	798.6	707.1	1,055.2
Civil Engineering Work	1,626.4	2,280.2	1,964.6	1,620.3	1,127.5	544.1	1,169.3	1,133.2	1,261.4	1,715.5	1,826.0

Source : Ministry of National Development
Urban Redevelopment Authority
Construction Industry Development Board
with effect from October 1993

8.19 PROGRESS PAYMENTS CERTIFIED BY SECTOR AND TYPE OF WORK, 1983-1993

Million Dollars											
Sector / Type of Work	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993 ^P
Both Sectors	8,193.3	8,503.2	6,647.3	5,422.0	4,677.8	3,942.0	4,314.3	4,916.4	6,819.8	8,871.2	9,558.5
Building Work	7,187.2	7,309.7	5,271.0	3,412.8	2,658.7	2,685.2	3,254.8	3,950.1	5,539.2	7,345.5	8,244.1
Residential	3,988.9	4,125.7	2,832.6	1,835.6	1,476.4	1,409.1	1,517.3	1,673.3	2,276.8	3,106.7	4,160.4
Commerical	1,608.8	1,683.0	1,171.0	562.5	337.7	215.7	501.8	787.9	1,305.1	2,010.7	1,812.7
Industrial	890.1	717.9	388.9	217.3	299.1	534.6	602.4	891.1	1,139.6	1,348.2	1,202.6
Others	699.4	783.1	878.4	797.4	545.5	525.7	633.3	597.9	817.8	879.8	1,068.4
Civil Engineering Work	1,006.0	1,193.5	1,376.3	2,009.2	2,019.0	1,256.8	1,059.5	966.3	1,280.5	1,525.7	1,314.5
Private Sector	3,267.0	3,366.3	2,335.7	1,173.9	925.6	1,291.5	1,987.3	2,400.3	3,438.7	4,602.3	4,522.8
Building Work	3,267.0	3,366.3	2,335.7	1,168.9	909.7	1,237.4	1,787.8	2,325.8	3,336.6	4,505.5	4,440.5
Residential	1,242.4	1,324.1	955.7	438.6	362.1	513.5	719.5	821.6	979.9	1,244.2	1,472.5
Commerical	1,309.0	1,391.9	974.8	466.5	203.4	165.6	463.4	707.7	1,221.3	1,909.1	1,671.4
Industrial	641.1	555.5	348.9	207.2	279.7	489.2	525.9	690.7	953.2	1,136.8	1,020.0
Others	74.5	94.7	56.2	56.6	64.7	69.1	79.0	105.8	182.3	215.4	276.6
Civil Engineering Work	-	-	-	5.0	15.9	54.2	199.4	74.5	102.1	96.8	82.3
Public Sector	4,926.3	5,136.9	4,311.6	4,248.1	3,752.2	2,650.5	2,327.1	2,516.1	3,381.1	4,268.9	5,035.7
Building Work	3,920.3	3,943.4	2,935.3	2,243.9	1,749.0	1,447.8	1,466.9	1,624.3	2,202.6	2,840.0	3,803.6
Residential	2,746.5	2,801.6	1,876.8	1,397.0	1,114.4	895.6	797.8	851.6	1,296.9	1,862.5	2,687.9
Commerical	299.8	291.1	196.2	96.0	134.4	50.2	38.4	80.2	83.7	101.6	141.3
Industrial	249.0	162.4	40.0	10.1	19.5	45.4	76.5	200.4	186.5	211.5	182.6
Others	625.0	688.4	822.2	740.8	480.8	456.6	554.3	492.1	635.5	664.4	791.8
Civil Engineering Work	1,006.0	1,193.5	1,376.3	2,004.2	2,003.2	1,202.7	860.1	891.8	1,178.5	1,428.9	1,232.1

Source : Ministry of National Development
Urban Redevelopment Authority
Construction Industry Development Board
with effect from October 1993

9 COMMERCE AND SERVICES

9 COMMERCE AND SERVICES

The first statistical inquiry on the Services Sector was conducted by the Department of Statistics for the reference year 1967 and that on the Commerce Sector for the reference year 1968. The next inquiries on these two sectors were for reference years 1972 and 1973 respectively. Since then they were conducted biennially until 1985 and subsequently on an annual basis.

Scope and Coverage

The Survey of Services covers all establishments including statutory boards and non-profit organisations engaged in transport, storage and communications, financial, insurance, real estate and business services and community, social and personal services as classified under Major Divisions 7, 8 and 9 of the "Singapore Standard Industrial Classification (SSIC)". Government ministries and departments, foreign missions, political parties, taxi and trishaw operators, independent artistes and domestic servants are outside the scope of the survey. From the reference year 1986, establishments engaged in financial activities such as banking, financial, stock-broking and insurance services are surveyed by the Monetary Authority of Singapore.

The Survey of Commerce covers all establishments except hawkers and stallholders, engaged in wholesale and retail trades, restaurants and hotels as classified under Major Division 6 of the SSIC.

Prior to 1976, both surveys were conducted on a census basis. From 1976, they were sample surveys, except for the years 1983 and 1984, where censuses of commerce and services were respectively taken again. For sample surveys, stratified sampling by industry was adopted. Within each industry, establishments with large operating receipts were selected with certainty and the rest were sampled.

The statistical unit used in both surveys is the establishment. A separate return is normally required from each branch of a multi-activity firm, organisation or enterprise. However, a consolidated return is allowed if the accounts are so kept that it is not possible for the respondent to comply.

Definitions

Establishment : Refers to a business or organisation unit engaged in one activity and generally operating in a single location.

Employment : Refers to the total number of persons engaged including part-time employees, working proprietors and partners, working directors and unpaid family workers as at 30 June of the reference year. It includes those temporarily away on leave.

Remuneration : Refers to the amount paid to employees in the form of wages and salaries, bonuses and allowances, CPF/ pension fund contributions and that given to unpaid family workers and directors as allowances, fees and benefits in kind.

Turnover/Operating Receipts : Refers to the total receipts and receivables from sales of goods and services including commissions and brokerage fees, insurance premiums and rental income. For financial institutions, operating receipts include interest, dividend income and gains from transactions in stocks and shares and foreign exchange.

Operating Expenditure : Refers to the aggregate of all current expenditure after adjustment for changes in stocks and work-in-progress. For insurance companies, claims, surrenders, cash bonus and annuities paid and increases in insurance funds or liability reserves are also included in operating expenditure.

Operating Surplus : Refers to the amount of operating receipts less operating expenditure plus depreciation of fixed assets. For local offices of foreign airlines and foreign shipping lines, representative offices of foreign banks and

companies and non-profit organisations, operating surplus refers only to depreciation of fixed assets.

Value Added : Comprises the value of operating surplus, remuneration and indirect taxes. However, for financial and insurance services, value added is computed on a different basis. For the Monetary Authority of Singapore, Board of Commissioners of Currency, Central Provident Fund Board and investment companies, value added is the sum of remuneration, depreciation allowances and indirect taxes. For other financial institutions, value added refers to the sum of operating surplus, remuneration and indirect taxes less dividends received, and net gains from stocks and share transactions, commodity and financial futures and gold trading. For insurance companies, value added refers to the sum of operating surplus, remuneration, and imputed amount of commissions paid, interest payments and indirect taxes less interest and dividends received and net gains from foreign exchange, stocks and share transactions as well as gold trading.

Sales Indices of Retail and Catering Trade

The sales indices of retail and catering trade are compiled from the results of the Retail and Catering Trade Sales Survey first started in 1985. The survey covers a sample of retail establishments which are defined as those selling merchandise directly to the consumers and catering

establishments which are defined as those selling prepared food and drinks for in-premises consumption or on a take-away basis such as restaurants, fast food outlets, coffee houses, cafes, coffee shops, creameries, snack bars, canteens and food caterers. Hawkers and stall holders selling cooked food and prepared drinks are not considered as catering establishments.

For the compilation of indices of restaurant sales, administrative data on cess collection on food and beverages levied by the Singapore Tourist Promotion Board are used.

The overall indices are compiled by assigning weights to the key establishments based on their turnover in the base year. Two series of the indices are compiled and presented,

one in current prices and the other in constant prices for which the effects of price changes are discounted. The base year of the index is 1991.

Further information on the concepts and methodology and detailed statistics prior to the 1990 reference year may be obtained from the "Report on the Survey of Services", and the "Report on the Survey of Wholesale Trade, Retail Trade, Restaurants and Hotels". From the 1990 reference year, they can be obtained from the various industry-specific reports under the Economic Survey Series, viz "Transport & Communications", "Real Estate & Business Services", "Community, Social & Personal Services", "Wholesale & Retail", "Hotels & Catering" and "The Services Sector".

9.1 PRINCIPAL STATISTICS OF THE COMMERCE SECTOR BY INDUSTRY, 1988-1992

Year	Establishments	Employment	Remuneration	Turnover	Operating Expenditure	Operating Surplus	Value Added
	Number		Million Dollars				
	Total						
1988	41,600	248,504	3,472	111,935	108,770	3,767	7,470
1989	43,455	265,329	4,219	137,901	133,787	4,822	9,290
1990	43,277	279,800	5,111	183,930	178,581	6,187	11,646
1991	44,679	288,183	5,881	214,597	209,318	6,224	12,459
1992 ^P	45,919	309,073	6,848	240,064	235,539	5,644	12,901
	Wholesale Trade						
1988	20,448	113,059	2,220	94,510	92,311	2,546	4,834
1989	21,576	123,560	2,735	117,921	115,156	3,183	5,987
1990	22,439	136,133	3,383	162,966	159,022	4,445	7,920
1991	23,575	145,847	4,002	192,841	188,757	4,675	8,798
1992 ^P	24,820	158,993	4,748	215,818	212,623	3,917	8,793
	Retail Trade						
1988	17,992	73,586	606	14,529	13,820	804	1,510
1989	18,638	74,815	713	16,532	15,625	1,013	1,832
1990	17,708	74,875	808	16,890	16,032	978	1,917
1991	17,832	75,015	894	17,541	16,871	791	1,802
1992 ^P	17,798	78,152	1,014	19,642	18,908	881	2,043
	Hotels and Catering						
1988	3,160	61,859	646	2,896	2,640	417	1,127
1989	3,241	66,954	771	3,448	3,006	626	1,471
1990	3,130	68,792	920	4,074	3,527	764	1,809
1991	3,272	67,321	984	4,215	3,690	758	1,858
1992 ^P	3,301	71,928	1,086	4,604	4,008	846	2,066

Note : Figures may not add up to the total due to rounding.

9.2 SELECTED AVERAGES AND RATIOS IN THE COMMERCE SECTOR, 1988-1992

Year	Turnover	Operating Surplus	Value Added	Value Added Per Person Engaged	Operating Surplus to Turnover	Remuneration to Operating Expenditure	Remuneration to Value Added
	Per Establishment						
	Thousand Dollars					Per Cent	
Total							
1988	2,691	91	180	30	3.4	3.2	46.5
1989	3,173	111	214	35	3.5	3.2	45.4
1990	4,250	143	269	42	3.4	2.9	43.9
1991	4,803	139	279	43	2.9	2.8	47.2
1992 ^P	5,228	123	281	42	2.4	2.9	53.1
Wholesale Trade							
1988	4,622	125	236	43	2.7	2.4	45.9
1989	5,465	148	277	48	2.7	2.4	45.7
1990	7,263	198	353	58	2.7	2.1	42.7
1991	8,180	198	373	60	2.4	2.1	45.5
1992 ^P	8,695	158	354	55	1.8	2.2	54.0
Retail Trade							
1988	808	45	84	21	5.5	4.4	40.1
1989	887	54	98	24	6.1	4.6	38.9
1990	954	55	108	26	5.8	5.0	42.1
1991	984	44	101	24	4.5	5.3	49.6
1992 ^P	1,104	50	115	26	4.5	5.4	49.6
Hotels & Catering							
1988	916	132	357	18	14.4	24.5	57.4
1989	1,064	193	454	22	18.1	25.6	52.4
1990	1,302	244	578	26	18.8	26.1	50.9
1991	1,288	232	568	28	18.0	26.7	52.9
1992 ^P	1,395	256	626	29	18.4	27.1	52.6

9.3 PRINCIPAL STATISTICS OF THE SERVICES SECTOR BY INDUSTRY, 1988-1992

Year	Establishments	Employment	Remuneration	Operating Receipts	Operating Expenditure	Operating Surplus	Value Added
	Number			Million Dollars			
Transport, Storage and Communication Services							
1988	5,958	90,837	2,072	15,081	11,622	4,291	6,592
1989	5,877	96,949	2,486	17,322	13,399	4,827	7,576
1990	5,970	99,719	2,747	18,794	14,890	5,031	8,059
1991	6,503	103,301	3,169	20,509	16,137	5,714	9,215
1992 ^p	6,654	102,064	3,090	21,540	17,246	5,773	9,232
Financial and Insurance Services ¹							
1988	2,454	10,264	288	6,805	3,478	3,392	675
1989	2,632	10,928	318	8,551	5,051	3,584	885
1990	2,724	11,733	386	10,970	6,266	4,786	1,006
1991	3,128	12,003	437	12,695	7,693	5,096	918
1992 ^p	3,342	11,950	497	11,551	6,491	5,176	1,045
Real Estate and Business Services							
1988	9,469	71,892	1,474	12,821	11,317	1,960	3,720
1989	9,629	75,115	1,787	13,162	10,580	3,043	5,156
1990	10,943	90,142	2,273	16,639	13,452	3,790	6,496
1991	12,551	97,190	2,796	19,503	15,733	4,481	7,802
1992 ^p	12,245	96,167	2,998	19,743	15,568	4,842	8,430
Community, Social and Personal Services ²							
1988	9,538	55,384	602	2,690	2,353	437	1,378
1989	9,800	63,597	840	3,278	2,952	465	1,711
1990	9,013	57,688	972	3,628	3,325	470	1,941
1991	9,825	62,808	1,200	4,393	4,001	618	2,404
1992 ^p	10,087	69,683	1,411	5,123	4,722	667	2,760
Non-profit Organisations ³							
1988	4,689	39,213	922	564	1,873	169	1,129
1989	4,856	41,898	1,041	774	2,155	186	1,280
1990	4,436	40,283	1,103	1,047	2,445	197	1,371
1991	4,340	41,609	1,256	1,136	2,847	192	1,517
1992 ^p	5,039	45,907	1,439	1,328	3,392	210	1,723

¹ Data exclude establishments within the purview of Monetary Authority of Singapore (MAS).

² The formula for computing value added of community, social and personal services has been revised.

³ Data exclude mutual benefit organisations, citizens' consultative committees & residents' committees.

9.4 SELECTED AVERAGES AND RATIOS IN THE SERVICES SECTOR, 1988-1992
(Excluding Non-Profit Organisations)

Year	Operating Receipts	Operating Surplus	Value Added	Value Added Per Person Engaged	Operating Surplus to Operating Receipts	Remuneration to Operating Expenditure	Remuneration to Value Added
	Per Establishment						
	Thousand Dollars						
Total							
1988	1,364	368	451	54	27.0	15.4	35.9
1989	1,515	427	549	62	28.2	17.0	35.4
1990	1,746	491	611	68	28.1	16.8	36.4
1991	1,784	497	635	74	27.9	17.5	37.4
1992 ^P	1,793	509	664	77	28.4	18.2	37.2
Transport, Storage & Communication Services							
1988	2,531	720	1,106	73	28.5	17.8	31.4
1989	2,947	821	1,289	78	27.9	18.6	32.8
1990	3,148	843	1,350	81	26.8	18.4	34.1
1991	3,154	879	1,417	89	27.9	19.6	34.4
1992 ^P	3,237	868	1,387	90	26.8	17.9	33.5
Financial & Insurance Services ¹							
1988	2,773	1,382	275	66	49.8	8.3	42.6
1989	3,249	1,362	336	81	41.9	6.3	35.9
1990	4,027	1,757	369	86	43.6	6.2	38.4
1991	4,058	1,629	293	76	40.1	5.7	47.6
1992 ^P	3,456	1,549	313	87	44.8	7.7	47.6
Real Estate & Business Services							
1988	1,354	207	393	52	15.3	13.0	39.6
1989	1,367	316	536	69	23.1	16.9	34.7
1990	1,521	346	594	72	22.8	16.9	35.0
1991	1,554	357	622	80	23.0	17.8	35.8
1992 ^P	1,612	395	688	88	24.5	19.3	35.6
Community, Social & Personal Services							
1988	282	46	144	25	16.2	25.6	43.7
1989	335	47	175	27	14.2	28.5	49.1
1990	403	52	215	34	13.0	29.2	50.1
1991	447	63	245	38	14.1	30.0	49.9
1992 ^P	508	66	274	40	13.0	29.9	51.1

Note : The formula for computing value added of community, social and personal services has been revised.

1 Data exclude establishments within the purview of MAS.

9.5 RETAIL SALES INDEX, 1985-1993
(1991 = 100)

	Total	Total (excl Motor Vehicles)	Textiles & Personal Effects	Furniture & Household Equipment	Motor Vehicles	Petrol Service Stallions	Department Stores & Supermarkets	Provision & Sundry Shops	Others	
Weights	10,000	8,087	2,043	1,160	1,913	505	1,766	853	1,760	
Period										
	At Current Prices									
	1985	59.3	75.0	83.9	91.5	22.2	84.4	56.6	95.1	71.9
	1986	52.0	66.7	61.0	73.3	17.7	64.0	60.6	91.4	71.4
	1987	67.1	79.8	85.1	80.4	32.6	66.8	73.1	101.1	80.4
	1988	86.4	88.1	98.0	82.5	81.6	63.2	86.3	98.8	92.2
	1989	97.3	95.2	103.7	87.9	102.8	76.3	97.4	94.4	98.0
	1990	99.6	100.6	111.2	94.1	97.0	91.7	100.1	98.6	100.4
	1991	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	1992	109.4	104.3	109.2	101.1	123.3	106.9	103.9	98.1	104.0
	1993 ^P	119.5	106.9	106.3	103.6	172.8	110.6	112.3	100.0	106.7
	At Constant Prices									
	1985	63.1	77.0	81.0	92.5	27.8	73.4	59.9	100.8	77.1
	1986	56.1	70.4	57.2	74.5	20.4	78.0	65.4	98.8	75.2
	1987	69.2	82.4	75.7	80.9	33.6	84.9	78.3	108.0	83.7
	1988	86.6	90.0	87.5	82.5	77.3	84.8	89.8	102.8	94.1
	1989	96.4	96.6	97.9	88.2	95.9	92.2	99.6	94.9	99.2
	1990	98.5	101.3	108.9	94.5	91.1	95.6	101.9	97.4	100.9
	1991	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	1992	109.7	105.2	115.2	101.5	122.1	107.6	102.3	96.8	104.2
	1993 ^P	115.1	106.2	108.0	103.5	152.5	112.9	108.9	95.7	106.4

9.6 SALES INDEX OF CATERING TRADE, 1985-1993 (1991 = 100)

		Total	Restaurants	Fast Food Outlets	Other Eating Places
Period	Weights	1,000	411	134	455
		At Current Prices			
1985		69.4	68.5	53.0	79.4
1986		64.0	63.2	54.0	71.1
1987		68.8	67.8	59.9	75.8
1988		78.6	79.1	72.4	80.8
1989		88.7	90.2	81.7	88.6
1990		96.2	97.4	94.0	94.6
1991		100.0	100.0	100.0	100.0
1992		107.4	107.5	111.9	104.9
1993		114.2	114.0	126.8	110.7
		At Constant Prices			
1985		76.0	75.8	59.6	83.7
1986		70.2	70.6	59.7	74.8
1987		74.7	74.5	65.2	79.8
1988		84.6	85.6	78.7	85.0
1989		93.1	95.0	87.9	91.3
1990		98.0	99.1	97.4	95.9
1991		100.0	100.0	100.0	100.0
1992		104.7	104.4	109.1	103.4
1993		109.8	108.8	121.4	107.3

Note : Catering trade refers to the sales of prepared food and drinks for in-premises consumption or on a take-away basis. All eating places are included with the exception of hawker stalls.

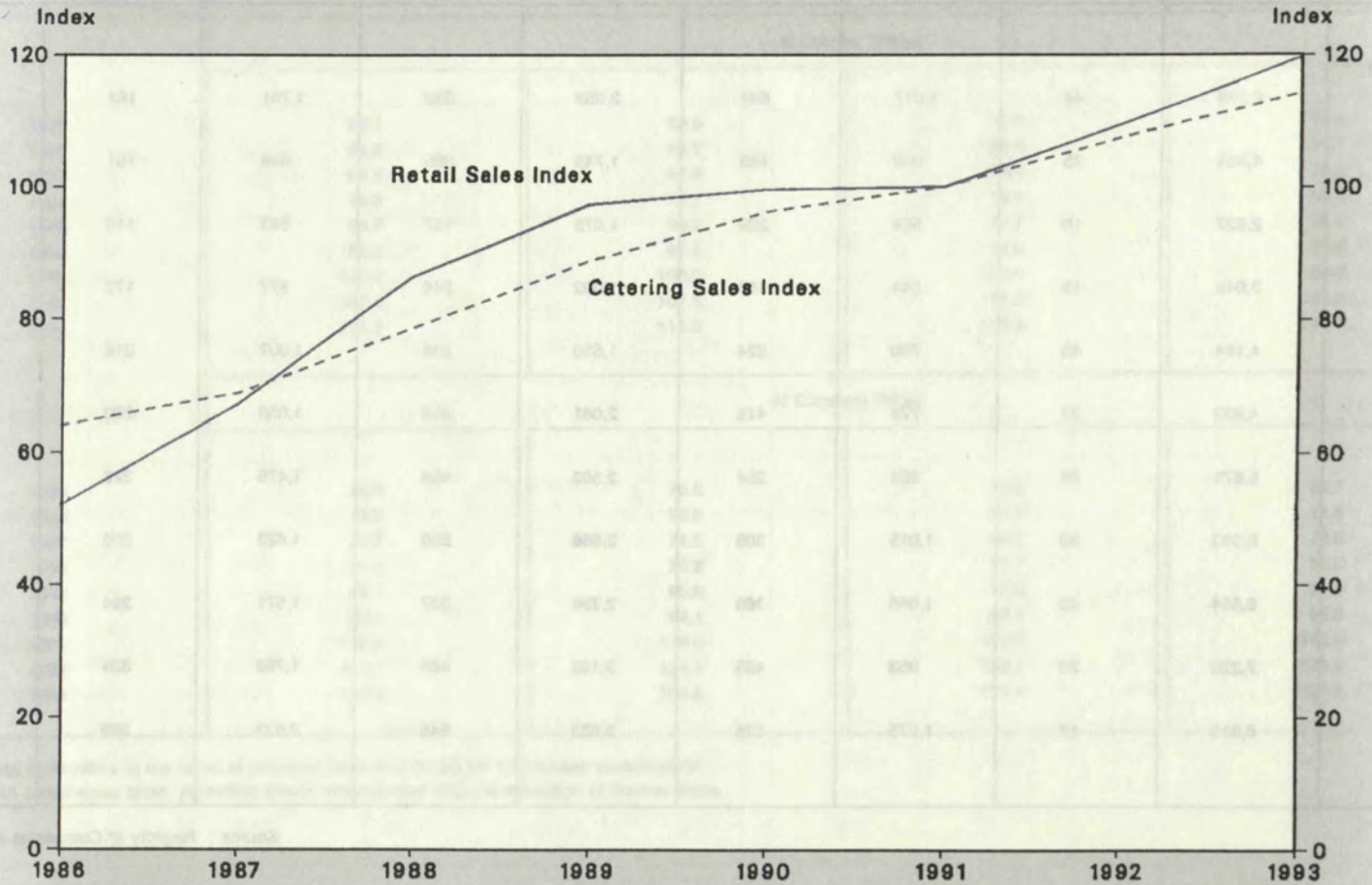
9.7 NEW COMPANIES FORMED BY INDUSTRY, 1983-1993

									Number
Period	Total	Agriculture, Fishing, Mining & Quarrying	Manufacturing	Construction	Commerce	Transport & Communications	Financial & Business Services	Other Services	Not Stated
1983	6,278	44	1,017	694	2,259	332	1,761	161	10
1984	4,601	25	909	489	1,745	285	988	151	9
1985	2,827	18	569	229	1,075	157	593	110	76
1986	3,046	13	544	166	1,092	248	577	172	234
1987	4,184	43	700	224	1,550	235	1,007	218	207
1988	4,932	32	778	419	2,081	352	1,069	200	1
1989	5,871	26	924	254	2,502	464	1,475	226	-
1990	6,503	30	1,015	305	2,666	558	1,623	306	-
1991	6,654	40	1,056	360	2,796	537	1,571	294	-
1992	7,220	23	953	465	3,162	485	1,798	334	-
1993	8,816	17	1,075	525	3,632	545	2,623	399	-

Source : Registry of Companies and Businesses

CHART 9

SALES INDICES OF RETAIL AND CATERING TRADE, 1986-1993
(At Current Prices)
(1991 = 100)



10 EXTERNAL TRADE

10 EXTERNAL TRADE

Sources of Data

From April 1987, Singapore's external trade statistics are compiled by the Trade Development Board from import and export permits submitted to the Controller and Registrar of Imports and Exports, or the Director-General of Customs and Excise, Singapore, except for the following:-

- (i) Postal packages which are based on particulars furnished by the Singapore Post Pte Ltd; and
- (ii) Bunkers and stores supplied to non-Singapore registered ships and aircraft, which are compiled from statements furnished by ships and aircraft agents to the Trade Development Board.

Prior to April 1987, external trade statistics were compiled by the Department of Statistics from the same sources.

Coverage

The "general" system for recording trade statistics is

adopted in Singapore. Under this system, all goods imported into or exported from Singapore are included in the external trade statistics with the following major exceptions:

- (i) Transshipment cargo on through bills of lading or through air waybills;
- (ii) Fish and other marine produce landed by Singapore and Peninsular Malaysian registered vessels direct from sea;
- (iii) Goods imported and exported by, or on behalf of, diplomatic services and Armed Forces;
- (iv) Exposed cinematographic films imported or exported on rental basis;
- (v) Television news films, news or press materials;
- (vi) Ships and aircraft arriving for or departing after repairs;
- (vii) Goods temporarily taken in or out of the country to be returned after a specific purpose eg for exhibition;

- (viii) Personal and household effects accompanying passengers or crews;
- (ix) Samples and specimens for test or analysis; and unaccompanied personal effects and gifts not exceeding the value of \$300;
- (x) Gold bullion and gold coins; and
- (xi) Issued currency notes and coins.

Ships and aircraft are included if they are imported or exported as merchandise whether or not they arrive or depart under their own power.

Definitions

Imports : Refers to all goods brought into Singapore, except those specified as excluded under the **Coverage** section, irrespective of whether they are for consumption, for processing, for use in manufacturing, or for subsequent re-shipment to other countries.

Exports : Refers to all goods taken out of Singapore, except those specified as excluded under the **Coverage** section. It comprises domestic exports and re-exports.

Domestic Exports : Refers to exports of Singapore origin. It comprises (i) primary commodities grown or produced in Singapore; and (ii) goods which have been transformed, that is, manufactured, assembled or processed in Singapore including those with imported materials or parts.

Re-exports : Refers to all goods which are exported from Singapore in the same form as they have been imported without any transformation. Re-packing, splitting into lots, sorting or grading, marking, etc are not considered as undergoing the process of transformation.

Trade at 1990 Prices : This is obtained by adjusting the recorded value of trade using import/export price indices with base year 1990 = 100. The series on trade at 1990 prices indicate the true level of trade free of the effect of price changes.

Valuation

Imports are valued at cif, that is, the value of goods at the frontier of the exporting country plus the cost of insurance and freight to the registration area. Customs duties and other import charges payable in the registration area are not included in the value of imports.

Exports are valued at fob, that is, the value of goods to the purchaser abroad up to the point where the goods are deposited on board the outgoing vessel, aircraft or vehicle.

Classification

With effect from 1 January 1989, the trade classification adopted for documenting Singapore external trade is the

1989 Singapore Trade Classification and Customs Duties, which is based on the Harmonized System (HS). However, for the publication of external trade statistics, a classification based on the Standard International Trade Classification (Revision 3) is used. Imports are classified by the country of origin and exports by the country of destination.

Detailed monthly trade statistics are available in the "Singapore Trade Statistics, Imports and Exports".

10.1 EXTERNAL TRADE BY TYPE, 1983-1993

Million Dollars

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
At Current Prices											
Total Trade	105,659.1	112,473.6	107,996.3	104,530.9	128,680.9	167,278.0	183,980.2	205,011.9	216,074.4	220,880.7	257,076.2
Exports	46,154.9	51,340.0	50,178.8	48,985.5	60,265.7	79,051.3	87,116.5	95,206.0	101,879.5	103,351.0	119,473.4
Oil	16,010.3	16,179.3	16,452.2	12,361.2	12,198.0	12,352.8	13,443.0	17,295.1	17,371.0	13,509.8	14,611.7
Non-oil	30,144.6	35,160.7	33,726.6	36,624.3	48,067.7	66,698.5	73,673.5	77,910.9	84,508.5	89,841.2	104,861.8
Domestic Exports	29,206.4	33,051.2	32,575.5	32,062.4	39,070.6	49,555.2	55,251.7	62,754.1	66,031.1	66,336.8	75,394.0
Oil	15,233.6	15,743.8	15,840.1	11,980.3	11,753.5	11,341.0	13,223.9	17,136.6	17,201.8	13,408.8	14,556.6
Non-oil	13,972.8	17,307.4	16,735.4	20,082.1	27,317.1	38,214.2	42,027.8	45,617.5	48,829.3	52,928.0	60,837.4
Re-exports	16,948.5	18,288.8	17,603.3	16,923.1	21,195.1	29,496.1	31,864.8	32,451.9	35,848.4	37,014.2	44,079.4
Imports	59,504.2	61,133.6	57,817.5	55,545.4	68,415.2	88,226.7	96,863.7	109,805.9	114,194.9	117,529.7	137,602.8
Oil	18,611.7	16,961.4	17,031.0	10,994.5	12,525.6	12,422.2	13,407.5	17,398.8	16,050.2	14,987.2	14,911.8
Non-oil	40,892.5	44,172.3	40,786.5	44,550.9	55,889.6	75,804.5	83,456.2	92,407.1	98,144.7	102,542.5	122,691.0
At 1990 Prices											
Total Trade	95,147.0	102,599.6	99,885.1	112,274.2	127,981.6	166,847.7	182,447.0	205,012.0	224,940.5	240,302.6	284,345.7
Exports	39,778.4	45,220.6	45,023.9	51,903.4	59,872.7	79,297.3	86,858.3	95,206.0	107,013.6	114,669.2	134,883.9
Oil	10,577.6	11,478.6	11,891.8	15,780.8	13,635.5	16,564.9	16,052.6	17,295.1	19,681.8	17,464.9	20,113.9
Non-oil	29,200.8	33,742.0	33,132.1	36,122.6	46,237.2	62,732.4	70,805.7	77,910.9	87,331.8	97,204.3	114,770.0
Domestic Exports	23,071.1	27,493.6	27,203.0	34,504.4	39,208.7	51,731.7	56,396.7	62,754.2	70,535.2	76,034.9	88,718.6
Oil	10,044.3	11,171.3	11,471.3	15,289.1	13,175.6	15,239.6	15,792.9	17,136.6	19,490.0	17,340.7	20,036.4
Non-oil	13,026.8	16,322.3	15,731.7	19,215.3	26,033.1	36,492.1	40,603.8	45,617.6	51,045.2	58,694.2	68,682.2
Re-exports	16,707.3	17,727.0	17,820.9	17,399.0	20,664.0	27,565.6	30,461.6	32,451.8	36,478.4	38,634.3	46,165.3
Imports	55,368.6	57,379.0	54,861.2	60,370.8	68,108.9	87,550.4	95,588.7	109,806.0	117,926.9	125,633.4	149,461.8
Oil	12,693.0	11,974.6	11,681.6	14,419.5	13,013.2	16,504.8	15,579.0	17,398.9	18,043.3	18,466.7	20,791.8
Non-oil	42,675.6	45,404.4	43,179.6	45,951.3	55,095.7	71,045.6	80,009.7	92,407.1	99,883.6	107,166.7	128,670.0

Note : Figures may not add up to the total due to rounding.

Source : Trade Development Board
with effect from April 1987

10.2 TOTAL TRADE BY COUNTRY/AREA, 1983-1993

Million Dollars

Country/Area	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Total	105,659.1	112,473.6	107,996.3	104,530.9	128,680.9	167,278.0	183,980.2	205,011.9	216,074.4	220,880.7	257,076.2
America	19,333.1	21,180.7	21,295.3	21,698.2	27,085.6	35,955.0	40,529.2	41,952.9	42,739.1	45,428.7	51,398.0
Brazil	250.5	331.5	301.7	286.5	382.7	690.7	696.0	667.8	693.0	610.3	961.2
Canada	564.3	703.6	553.3	590.5	839.3	1,252.4	1,289.7	1,466.3	1,473.0	1,288.6	1,319.8
United States ¹	17,379.2	19,214.6	19,394.4	19,750.7	24,731.0	32,544.4	36,896.1	37,826.0	38,132.6	41,119.4	46,651.6
Asia	66,999.9	70,331.5	65,481.1	62,374.1	76,693.1	98,528.7	106,568.3	120,068.9	129,810.1	129,607.6	155,990.2
Bahrain	577.3	528.3	276.5	459.1	579.3	553.2	470.0	523.7	406.4	319.7	258.3
Bangladesh	538.3	617.0	716.7	535.6	550.4	659.2	673.0	797.1	720.9	587.3	614.1
Brunei	1,150.4	1,042.5	1,174.7	981.7	984.1	1,058.2	1,049.1	1,211.4	1,277.0	1,513.1	1,374.2
China, Peo Rep	2,197.0	3,400.4	5,701.9	4,353.4	4,522.6	5,754.2	5,645.3	5,216.8	5,323.5	5,478.8	6,944.6
Hong Kong	4,400.9	4,457.5	4,279.9	4,493.0	5,616.7	7,375.2	8,244.2	9,551.4	10,780.1	11,667.8	14,702.7
India	1,656.9	883.7	1,557.8	1,376.3	1,695.7	2,014.2	2,415.7	2,666.9	2,449.9	2,391.7	2,613.0
Iran (Islamic Rep)	2,029.9	1,457.8	3,348.2	2,826.4	1,125.9	1,019.9	958.0	1,058.2	1,123.6	1,130.2	1,205.3
Japan	14,968.4	16,024.6	14,591.9	15,256.6	19,478.6	26,192.3	28,117.1	30,447.7	33,206.0	32,609.8	39,032.2
Korea, Rep of	1,868.6	1,598.2	1,549.8	1,991.6	2,832.3	4,093.9	4,583.5	5,326.0	5,648.8	6,194.0	7,754.2
Kuwait	1,687.5	2,192.5	1,252.1	2,183.0	1,680.4	1,095.1	1,301.1	940.1	95.2	688.9	1,227.5
Malaysia	16,760.1	17,503.9	16,087.7	14,647.2	18,037.0	23,649.8	24,698.8	27,412.0	32,618.6	30,212.6	39,611.8
Pakistan	306.4	516.2	593.3	308.2	359.0	413.9	460.0	655.1	639.9	563.8	529.9
Philippines	1,161.0	836.0	916.0	940.9	1,252.9	1,573.4	1,825.3	1,782.5	1,650.8	1,834.1	3,027.4
Saudi Arabia	7,482.3	7,051.0	2,622.7	1,852.5	3,414.3	4,428.8	5,133.6	6,362.1	6,647.1	6,689.5	5,982.2
Sri Lanka	658.1	405.1	519.6	414.4	460.2	555.0	507.6	460.3	478.6	601.9	567.1
Taiwan	2,289.0	2,827.4	2,777.3	3,341.3	4,780.2	6,231.6	6,994.8	8,099.4	8,302.4	8,909.1	10,098.9
Thailand	3,062.9	3,809.0	3,288.8	3,394.5	4,690.0	6,697.5	7,249.0	9,284.4	10,029.4	10,807.1	12,481.1
United Arab Emirates	1,845.5	1,849.6	1,984.3	1,078.5	1,566.5	1,797.4	2,369.6	3,485.6	3,255.8	2,145.3	2,553.7
Europe	12,987.4	14,319.7	14,508.4	14,608.1	18,862.3	25,275.2	28,718.5	34,064.3	34,301.8	36,618.6	39,814.3
France	1,712.1	1,660.3	2,091.7	1,685.2	2,336.3	2,898.5	3,536.8	4,201.6	4,122.6	4,509.4	4,889.6
Germany, Fed Rep ²	2,691.4	2,894.2	2,700.4	3,367.8	4,311.9	6,012.7	6,704.2	7,723.4	7,122.2	8,227.9	8,949.7
Italy	1,210.6	1,437.0	1,378.7	1,239.2	1,616.9	2,459.8	2,747.8	2,993.1	2,535.0	3,153.0	2,885.3
Netherlands	1,043.9	1,121.3	1,189.4	1,247.6	1,627.6	2,044.7	2,312.0	2,998.3	3,624.2	4,297.2	4,375.2
Switzerland	555.4	555.2	516.3	641.7	852.4	1,188.0	1,263.8	1,724.0	1,824.5	1,864.4	2,192.4
United Kingdom	2,697.9	2,968.9	3,067.4	3,170.3	3,888.2	4,863.5	5,642.5	6,406.7	6,367.3	6,284.0	7,168.2
CIS ³	477.8	846.6	560.6	362.1	477.5	445.9	628.8	769.8	872.3	836.3	1,155.5
Oceania	3,962.8	4,727.2	4,900.8	3,723.4	4,097.4	5,094.7	5,580.3	6,131.8	6,279.9	6,150.1	6,608.0
Australia ⁴	2,502.7	3,278.9	3,185.2	2,483.6	2,963.0	3,885.7	4,187.8	4,464.1	4,665.7	4,454.4	5,086.3
New Zealand	607.1	621.9	857.7	543.5	460.1	576.2	528.8	616.2	601.5	779.6	656.2
Africa	2,375.9	1,914.5	1,810.7	2,127.1	1,942.5	2,424.4	2,583.9	2,794.0	2,943.3	3,075.8	3,265.6

1 Prior to 1986, USA included Puerto Rico.

2 Figures from Oct 1990, include the former German Democratic Republic.

3 CIS denotes the Commonwealth of Independent States. Prior to 1992 it was known as Soviet Union.

4 Prior to 1989, Australia included Christmas Island.

Source : Trade Development Board
with effect from April 1987

10.3 IMPORTS BY COUNTRY/AREA, 1983-1993

Million Dollars

Country/Area	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Total	59,504.2	61,133.6	57,817.5	55,545.4	68,415.2	88,226.7	96,863.7	109,805.9	114,194.9	117,529.7	137,602.8
America	9,585.6	9,605.8	9,289.4	8,925.4	10,847.1	15,191.3	18,279.5	19,563.5	20,143.6	21,158.7	24,168.3
Brazil	147.8	186.4	163.6	143.2	225.3	464.0	510.7	538.6	502.1	416.8	486.7
Canada	219.2	318.2	195.4	225.0	355.3	536.1	515.3	648.5	692.9	535.6	544.5
United States ¹	9,005.5	8,922.9	8,775.4	8,314.4	10,056.6	13,718.4	16,605.3	17,580.5	18,029.6	19,340.5	22,359.8
Asia	40,218.7	41,558.6	38,188.1	36,654.0	45,392.1	57,243.9	60,901.6	69,551.3	73,779.3	74,822.1	89,836.6
Bahrain	499.5	455.4	197.4	410.7	520.3	487.2	413.1	480.9	349.3	239.0	205.3
Bangladesh	17.1	43.1	52.1	29.3	90.0	92.9	80.0	83.3	93.7	46.6	53.8
Brunei	404.4	415.4	536.6	298.1	276.6	225.1	146.2	233.8	321.0	433.4	349.6
China, Peo Rep	1,747.2	2,881.1	4,971.7	3,109.6	2,975.8	3,385.6	3,310.8	3,773.4	3,838.8	3,667.6	3,877.1
Hong Kong	1,268.9	1,281.3	1,082.5	1,310.1	1,801.8	2,431.5	2,738.8	3,365.3	3,433.6	3,587.0	4,338.8
India	733.5	470.4	488.8	348.5	525.5	534.1	591.7	676.8	722.7	867.4	1,079.6
Iran (Islamic Rep)	1,208.3	733.0	2,474.5	2,062.6	973.2	803.7	789.1	842.1	868.7	825.7	1,048.8
Japan	10,724.0	11,217.9	9,869.7	11,052.2	14,029.3	19,364.5	20,669.4	22,146.2	24,369.6	24,753.1	30,110.9
Korea, Rep of	904.0	784.0	930.3	1,288.6	1,837.2	2,542.1	2,898.5	3,217.9	3,241.0	3,868.7	4,428.5
Kuwait	1,545.5	1,882.7	983.7	2,098.1	1,557.7	922.0	1,122.5	842.6	8.2	554.3	1,105.6
Malaysia	8,638.8	9,179.7	8,301.0	7,402.6	9,477.4	12,928.7	12,784.0	14,963.5	17,382.5	17,287.2	22,669.6
Pakistan	120.8	60.9	60.3	78.1	82.9	89.3	122.5	153.7	187.7	133.8	107.4
Philippines	271.3	395.0	437.4	401.6	375.6	528.9	530.9	567.4	475.0	516.9	813.1
Saudi Arabia	6,507.6	5,687.5	2,034.2	1,369.0	2,835.6	3,873.2	4,657.5	5,862.5	5,864.0	6,018.3	5,359.1
Sri Lanka	155.9	28.9	94.8	35.8	61.3	71.7	61.8	58.5	80.1	48.0	64.3
Taiwan	1,601.5	1,997.8	1,922.1	2,244.1	3,143.5	3,996.7	4,372.8	4,677.6	4,681.4	4,721.3	5,457.5
Thailand	1,068.2	1,350.9	1,196.3	1,606.8	2,136.5	2,386.3	2,443.3	2,974.1	3,628.8	4,365.3	5,676.2
United Arab Emirates	1,418.6	1,403.2	1,547.1	687.5	1,128.6	1,274.1	1,750.9	2,677.3	2,220.2	1,092.4	1,453.9
Europe	7,602.4	7,767.8	7,956.5	8,126.5	10,135.3	13,082.3	14,906.8	17,510.2	17,066.1	18,292.5	19,718.0
France	1,050.1	1,022.7	1,327.7	971.6	1,415.9	1,586.2	2,167.4	2,645.6	2,932.5	2,926.6	3,130.8
Germany, Fed Rep ²	1,619.7	1,667.2	1,574.4	1,829.0	2,359.4	3,265.0	3,505.2	3,898.5	3,649.5	3,839.3	4,203.0
Italy	766.6	905.5	832.9	740.3	921.4	1,317.2	1,574.4	1,733.0	1,571.8	2,087.8	1,831.9
Netherlands	507.2	492.7	550.9	499.8	513.2	687.3	911.8	965.7	1,004.1	1,080.1	1,275.1
Switzerland	433.5	433.7	397.8	506.1	649.2	928.1	1,003.4	1,284.9	1,052.0	1,203.2	1,487.6
United Kingdom	1,644.2	1,596.0	1,691.8	1,886.4	2,174.8	2,561.8	2,715.5	3,375.7	3,285.5	3,280.7	3,592.9
CIS ³	98.3	86.4	28.9	78.4	84.0	185.6	251.7	172.7	332.2	263.0	262.9
Oceania	1,404.6	1,787.1	1,838.8	1,229.3	1,572.2	2,067.9	1,885.4	2,406.4	2,468.6	2,359.2	2,740.5
Australia ⁴	1,125.7	1,503.9	1,533.0	968.4	1,313.3	1,744.0	1,637.5	2,127.2	2,149.2	1,997.6	2,384.4
New Zealand	180.7	221.7	264.1	202.3	221.6	305.1	218.9	247.7	275.1	301.7	290.1
Africa	692.9	414.3	544.7	610.2	468.5	641.3	890.4	774.5	737.2	897.2	1,139.3

Note : See notes to Table 10.2

Source : Trade Development Board
with effect from April 1987

10.4 EXPORTS BY COUNTRY/AREA, 1983-1993

Million Dollars

Country/Area	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Total	46,154.9	51,340.0	50,178.8	48,985.5	60,265.7	79,051.3	87,116.5	95,206.0	101,879.5	103,351.0	119,473.4
America	9,747.5	11,574.9	12,005.9	12,772.8	16,238.5	20,763.7	22,249.7	22,389.4	22,595.5	24,270.0	27,229.7
Brazil	102.7	145.1	138.1	143.3	157.4	226.7	185.3	129.2	190.9	193.5	474.5
Canada	345.1	385.4	357.9	365.5	484.0	716.3	774.4	817.8	780.1	753.0	775.3
United States ¹	8,373.7	10,291.7	10,619.0	11,436.3	14,674.4	18,826.0	20,290.8	20,245.5	20,103.0	21,778.9	24,291.8
Asia	26,781.2	28,772.9	27,293.0	25,720.1	31,301.0	41,284.8	45,666.7	50,517.6	56,030.8	54,785.5	66,153.6
Bahrain	77.8	72.9	79.1	48.4	59.0	66.0	56.9	42.8	57.1	80.7	53.0
Bangladesh	521.2	573.9	664.6	506.3	460.4	566.3	593.0	713.8	627.2	540.7	560.3
Brunei	746.0	627.1	638.1	683.6	707.5	833.1	902.9	977.6	956.0	1,079.7	1,024.6
China, Peo Rep	449.8	519.3	730.2	1,243.8	1,546.8	2,368.6	2,334.5	1,443.4	1,484.7	1,811.2	3,067.5
Hong Kong	3,132.0	3,176.2	3,197.4	3,182.9	3,814.9	4,943.7	5,505.4	6,186.1	7,346.5	8,080.8	10,363.9
India	923.4	413.3	1,069.0	1,027.8	1,170.2	1,480.1	1,824.0	1,990.1	1,727.2	1,524.3	1,533.4
Iran (Islamic Rep)	821.6	724.8	873.7	763.8	152.7	216.2	168.9	216.1	254.9	304.5	156.5
Japan	4,244.4	4,806.7	4,722.2	4,204.4	5,449.3	6,827.8	7,447.7	8,301.5	8,836.4	7,856.7	8,921.3
Korea, Rep of	964.6	814.2	619.5	703.0	995.1	1,551.8	1,685.0	2,108.1	2,407.8	2,325.3	3,325.7
Kuwait	142.0	309.8	268.4	84.9	122.7	173.1	178.6	97.5	87.0	134.6	121.9
Malaysia	8,121.3	8,324.2	7,786.7	7,244.6	8,559.6	10,721.1	11,914.8	12,448.5	15,236.1	12,925.4	16,942.2
Pakistan	185.6	455.3	533.0	230.1	276.1	324.6	337.5	501.4	452.2	430.0	422.5
Philippines	889.7	441.0	478.6	539.3	877.3	1,044.5	1,294.4	1,215.1	1,175.8	1,317.2	2,214.3
Saudi Arabia	974.7	1,363.5	588.5	483.5	578.7	555.6	476.1	499.6	783.1	671.2	623.1
Sri Lanka	502.2	376.2	424.8	378.6	398.9	483.3	445.8	401.8	398.5	553.9	502.8
Taiwan	687.5	829.6	855.2	1,097.2	1,636.7	2,234.9	2,622.0	3,421.8	3,621.0	4,187.8	4,641.4
Thailand	1,994.7	2,458.1	2,092.5	1,787.7	2,553.5	4,311.2	4,805.7	6,310.3	6,400.6	6,441.8	6,804.9
United Arab Emirate	426.9	446.4	437.2	391.0	437.9	523.3	618.7	808.3	1,035.6	1,052.9	1,099.8
Europe	5,385.0	6,551.9	6,551.9	6,481.6	8,727.0	12,192.9	13,811.7	16,554.1	17,235.7	18,326.1	20,096.3
France	662.0	637.6	764.0	713.6	920.4	1,312.3	1,369.4	1,556.0	1,190.1	1,582.8	1,758.8
Germany, Fed Rep ²	1,071.7	1,227.0	1,126.0	1,538.8	1,952.5	2,747.7	3,199.0	3,824.9	4,267.7	4,388.6	4,746.7
Italy	444.0	531.5	545.8	498.9	695.5	1,142.6	1,173.4	1,260.1	963.2	1,065.2	1,053.4
Netherlands	536.7	628.6	638.5	747.8	1,114.4	1,357.4	1,400.2	2,032.6	2,620.1	3,217.1	3,100.1
Switzerland	121.9	121.5	118.5	135.6	203.2	259.9	260.4	439.1	772.5	661.2	704.8
United Kingdom	1,053.7	1,372.9	1,375.6	1,283.9	1,713.4	2,301.7	2,927.0	3,031.0	3,081.8	3,003.3	3,575.3
CIS ³	379.5	760.2	531.7	283.7	393.5	260.3	377.1	597.1	540.1	573.3	892.6
Oceania	2,558.2	2,940.1	3,062.0	2,494.1	2,525.2	3,026.8	3,694.9	3,725.4	3,811.3	3,790.9	3,867.5
Australia ⁴	1,377.0	1,775.0	1,652.2	1,515.2	1,649.7	2,141.7	2,550.3	2,336.9	2,516.5	2,456.8	2,701.9
New Zealand	426.4	400.2	593.6	341.2	238.5	271.1	309.9	368.5	326.4	477.9	366.1
Africa	1,683.0	1,500.2	1,266.0	1,516.9	1,474.0	1,783.1	1,693.5	2,019.5	2,206.1	2,178.6	2,126.3

Note : See notes to Table 10.2

Source : Trade Development Board
with effect from April 1987

10.5 DOMESTIC EXPORTS BY COUNTRY/AREA, 1983-1993

Million Dollars

Country/Area	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Total	29,206.4	33,051.2	32,575.5	32,062.4	39,070.6	49,555.2	55,251.7	62,754.1	66,031.1	66,336.8	75,394.0
America	6,909.6	8,695.1	8,936.1	10,200.7	13,163.3	16,835.5	17,812.8	18,159.4	18,072.1	19,150.4	21,217.9
Brazil	39.8	60.6	65.2	49.7	39.2	36.6	56.7	41.6	85.5	76.6	333.8
Canada	187.9	207.3	208.6	246.6	339.2	545.7	564.6	573.0	528.8	498.7	510.3
United States ¹	6,018.7	7,920.3	8,159.3	9,494.7	12,240.0	15,616.4	16,534.7	16,672.8	16,455.3	17,570.8	19,239.1
Asia	15,829.7	16,696.6	16,264.9	15,102.2	17,732.3	21,967.3	24,945.7	29,365.0	31,872.2	30,408.5	36,513.1
Bahrain	39.1	34.1	44.3	25.7	39.2	42.7	31.3	24.3	33.9	35.9	27.8
Bangladesh	226.2	416.4	485.7	311.0	273.3	229.1	201.4	409.4	401.8	326.2	339.5
Brunei	281.7	215.9	226.7	235.4	237.0	261.7	262.8	299.7	275.4	326.5	332.2
China, Peo Rep	117.6	194.4	398.8	858.4	1,058.7	1,350.8	1,536.9	867.3	880.0	1,028.2	2,196.8
Hong Kong	2,252.2	2,302.7	2,057.9	2,108.3	2,540.6	3,224.2	3,798.8	4,303.4	4,803.3	5,177.2	6,719.5
India	573.6	1,042.8	667.6	527.9	580.9	652.2	740.3	819.6	1,012.0	859.9	728.8
Iran (Islamic Rep)	719.5	614.0	742.1	696.7	82.0	134.7	60.9	61.5	119.7	111.3	81.8
Japan	3,503.9	3,964.7	3,860.2	3,302.5	4,149.1	4,875.9	5,559.2	6,210.8	6,034.7	5,107.2	5,802.1
Korea, Rep of	711.2	547.2	371.7	427.4	641.7	939.7	992.9	1,298.6	1,470.9	1,381.6	1,957.4
Kuwait	87.8	99.4	62.6	51.3	73.9	112.0	107.6	51.0	60.3	59.2	57.9
Malaysia	3,605.3	3,533.4	3,773.3	3,266.1	3,407.0	3,986.1	4,518.9	5,265.2	6,819.1	6,221.6	8,008.9
Pakistan	63.7	86.4	82.4	89.5	114.1	117.6	118.9	281.5	182.3	157.0	154.3
Philippines	609.9	217.4	268.7	316.0	492.5	492.1	646.8	675.3	668.1	656.7	1,173.0
Saudi Arabia	560.0	408.5	300.7	257.6	302.4	268.4	232.2	277.3	443.5	282.2	209.2
Sri Lanka	290.4	145.4	183.5	107.0	138.6	158.2	169.4	130.6	155.1	242.7	215.4
Taiwan	330.5	462.6	513.4	655.6	976.9	1,224.2	1,567.4	2,313.8	2,240.9	2,436.0	2,594.1
Thailand	1,279.8	1,726.1	1,424.1	1,197.1	1,759.4	2,753.1	3,277.0	4,583.0	4,488.2	4,161.9	3,975.2
United Arab Emirates	175.7	211.3	222.9	184.2	240.8	265.6	290.5	389.3	421.1	432.7	396.8
Europe	3,493.1	4,363.7	4,145.1	4,072.7	5,616.8	7,979.1	9,155.7	11,571.8	12,406.4	13,222.3	14,255.0
France	466.8	418.8	387.0	447.3	624.9	952.7	1,005.6	1,180.8	867.9	1,157.5	1,311.0
Germany, Fed Rep ²	767.0	880.6	798.2	1,073.3	1,329.7	1,848.3	2,321.1	2,816.7	3,141.7	3,410.8	3,467.5
Italy	344.3	444.8	456.1	371.8	516.1	914.0	933.9	998.5	713.0	774.6	709.6
Netherlands	239.1	253.8	370.7	346.2	698.1	812.7	770.5	1,320.4	1,921.1	2,481.2	2,362.6
Switzerland	86.6	76.3	73.5	80.8	93.8	145.6	127.6	268.1	607.4	506.2	499.6
United Kingdom	750.8	1,057.5	1,026.7	853.6	1,147.1	1,661.2	2,054.5	2,255.4	2,350.7	2,170.0	2,661.8
CIS ³	180.2	514.6	328.2	153.9	147.4	180.3	175.4	304.8	256.4	266.3	282.9
Oceania	2,005.0	2,305.8	2,475.8	1,922.9	1,825.9	1,951.5	2,542.7	2,644.1	2,558.6	2,545.3	2,384.5
Australia ⁴	993.8	1,297.4	1,259.2	1,105.9	1,197.3	1,366.8	1,773.7	1,615.0	1,648.9	1,630.0	1,662.9
New Zealand	337.4	323.4	510.6	268.1	149.6	153.9	185.7	208.6	195.0	321.1	184.7
Africa	969.0	990.0	753.6	763.9	732.3	821.8	794.8	1,013.9	1,121.8	1,010.2	1,023.4

Note : See notes to Table 10.2

Source : Trade Development Board
with effect from April 1987

10.6 IMPORTS BY COMMODITY, 1983-1993

Million Dollars

Commodity	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Total	59,504.2	61,133.6	57,817.5	55,545.4	68,415.2	88,226.7	96,863.7	109,805.9	114,194.9	117,529.7	137,602.8
Food	3,503.9	4,157.5	3,535.4	3,865.7	3,951.8	4,667.0	4,463.5	4,314.5	4,645.4	4,837.1	5,033.3
Cereals & Cereal Preparations	636.7	980.5	428.1	384.5	362.4	508.9	525.9	447.6	445.1	471.4	513.2
Fruits & Vegetables	857.7	913.9	899.1	927.8	971.0	1,150.7	1,077.1	1,102.0	1,262.7	1,248.9	1,278.7
Coffee & Spices	660.2	808.7	882.6	1,047.7	830.6	791.1	637.4	637.7	544.1	563.2	533.2
Beverages & Tobacco	416.2	460.6	501.0	541.5	595.0	730.1	1,013.2	1,425.5	1,556.5	1,651.5	2,074.0
Crude Materials	2,624.8	2,510.2	1,988.0	1,905.0	2,267.2	2,999.1	2,662.6	2,371.1	2,091.6	1,867.4	1,968.1
Rubber	1,622.2	1,454.0	1,003.1	903.3	1,159.4	1,698.3	1,266.7	922.2	778.6	595.6	507.7
Wood	353.1	296.1	249.4	272.1	294.6	311.3	341.7	353.0	339.8	305.5	317.0
Mineral Fuels	18,611.7	16,961.4	17,031.0	10,994.5	12,525.7	12,422.2	13,407.6	17,398.9	16,050.2	14,987.2	14,911.8
Petroleum & Petroleum Products	18,601.4	16,949.4	17,019.9	10,986.1	12,515.6	12,412.8	13,393.9	17,383.6	16,040.3	14,970.5	14,902.6
Animal & Vegetable Oils	632.1	1,435.9	1,380.5	720.3	791.8	941.0	924.1	753.0	848.9	877.5	833.7
Unprocessed Vegetable Oils	202.0	440.9	293.9	166.9	299.0	351.4	431.6	403.1	466.8	367.2	330.2
Chemicals	2,981.6	3,096.2	2,890.4	3,245.6	4,081.9	5,808.5	7,411.9	8,440.5	8,306.6	8,854.7	9,614.9
Chemical Compounds	821.2	859.1	772.0	879.7	1,079.4	1,545.9	1,583.1	1,779.9	1,905.2	1,934.5	2,047.3
Plastic Materials	808.1	829.3	721.3	846.0	1,275.9	1,999.9	1,423.8	1,485.3	1,493.5	1,354.1	1,557.5
Medicinal Products	207.0	222.2	239.0	284.6	314.2	367.2	384.0	360.9	378.7	441.3	701.6
Manufactured Goods by Material	8,089.5	8,045.3	7,082.4	7,613.5	9,536.7	12,993.9	13,785.1	14,167.5	14,997.8	15,045.8	16,013.4
Textile Manufactures	2,052.4	2,018.3	1,871.5	2,241.6	2,878.0	2,951.5	3,123.3	3,212.5	3,285.2	3,255.0	3,162.5
Non-metal Mineral Manufactures	1,198.4	1,280.6	1,013.7	894.0	1,045.1	1,254.0	1,276.5	1,512.7	1,719.7	1,782.2	1,890.5
Iron & Steel	1,890.0	1,730.7	1,425.1	1,463.5	1,661.1	2,665.5	3,034.7	3,066.3	3,424.8	3,004.6	3,288.8
Metal Manufactures	1,255.4	1,268.1	1,253.6	1,133.4	1,332.5	1,673.3	1,873.0	2,160.7	2,371.9	2,360.8	2,602.1
Paper & Paperboard & Related Articles	556.4	647.7	575.4	684.9	886.2	1,134.4	1,151.9	1,253.4	1,298.0	1,228.1	1,295.1
Machinery & Transport Equipment	18,046.1	19,419.6	18,317.2	20,780.7	27,534.0	38,298.8	42,837.5	49,065.1	53,432.6	56,330.5	71,915.9
Non-electric Machinery	6,629.1	7,128.8	6,624.6	7,000.7	9,704.2	14,153.9	16,799.1	20,273.0	21,846.6	22,862.2	27,640.8
Electric Machinery	7,597.1	8,687.0	8,238.1	10,786.8	14,262.7	19,848.5	19,809.6	22,603.7	25,348.4	26,199.9	35,916.4
Transport Equipment	3,819.8	3,603.8	3,454.6	2,993.2	3,567.1	4,296.4	6,228.9	6,188.5	6,237.6	7,268.4	8,358.6
Miscellaneous Manufactured Articles	3,947.2	4,196.7	4,193.6	4,887.4	6,053.6	7,999.1	8,813.6	10,450.2	10,792.1	11,718.4	13,414.9
Scientific & Optical Instruments	998.2	1,070.6	1,129.4	1,259.3	1,571.1	2,359.0	2,571.3	2,995.7	3,117.3	3,413.0	4,124.0
Watches & Clocks	537.6	475.6	424.7	475.7	596.3	779.2	874.0	1,170.5	1,053.4	1,072.1	1,221.0
Miscellaneous Transactions nec	651.1	850.2	898.0	991.2	1,077.5	1,367.0	1,544.6	1,419.6	1,473.2	1,359.4	1,822.7

Source : Trade Development Board
with effect from April 1987

10.7 EXPORTS BY COMMODITY, 1983-1993

Million Dollars

Commodity	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Total	46,154.9	51,340.0	50,178.8	48,985.5	60,265.7	79,051.3	87,116.5	95,206.0	101,879.5	103,351.0	119,473.4
Food	2,025.1	2,895.4	2,193.1	2,625.5	2,717.1	3,285.1	3,037.1	2,734.2	3,032.8	2,986.7	2,909.8
Cereals & Cereal Preparations	274.7	839.1	186.5	142.7	167.4	250.6	254.1	188.0	209.1	203.2	211.6
Fruits & Vegetables	342.9	375.9	366.2	340.8	364.4	411.5	389.8	387.6	435.6	393.8	450.3
Coffee & Spices	720.3	960.7	988.2	1,350.1	1,148.4	1,290.4	969.5	777.9	809.4	794.5	728.4
Beverages & Tobacco	210.0	209.8	240.8	332.1	387.2	552.8	886.3	1,387.8	1,840.8	1,969.0	2,389.4
Crude Materials	3,388.5	3,410.4	2,699.7	2,458.8	3,003.3	4,046.7	3,721.4	2,914.6	2,521.6	2,278.3	2,132.4
Rubber	2,108.3	2,138.2	1,496.1	1,340.8	1,544.1	2,290.5	1,909.0	1,425.3	1,109.6	986.2	807.5
Wood	398.8	365.0	327.9	380.4	510.3	563.4	705.1	491.1	449.6	411.7	374.2
Mineral Fuels¹	16,010.4	16,179.3	16,452.2	12,361.2	12,198.0	12,352.8	13,443.0	17,295.3	17,371.0	13,509.8	14,611.7
Petroleum & Petroleum Products	12,761.9	12,992.3	13,456.1	10,038.9	9,649.9	10,008.5	11,026.8	14,371.3	14,179.2	11,096.9	11,879.9
Animal & Vegetable Oils	628.2	1,540.5	1,535.2	880.4	795.9	885.5	1,016.1	760.7	722.1	746.7	610.1
Unprocessed Vegetable Oils	451.5	1,115.7	1,128.1	336.2	362.5	454.9	449.7	349.2	305.3	278.3	219.5
Chemicals	1,956.3	2,463.7	2,716.9	2,839.9	3,761.5	5,198.9	5,736.7	5,970.1	6,680.1	6,731.8	7,662.8
Chemical Compounds	547.2	882.4	917.6	985.5	1,253.3	1,669.7	1,921.1	2,109.0	2,537.1	2,572.2	2,613.1
Medicinal Products	329.8	259.8	298.1	294.1	305.2	349.2	360.2	378.1	381.2	402.9	1,567.0
Plastic Materials	263.2	486.3	680.1	732.5	1,174.7	1,846.0	1,484.7	1,451.0	1,703.2	1,382.0	599.1
Manufactured Goods by Material	3,683.1	3,624.6	3,597.8	3,632.7	4,522.8	6,529.1	7,083.6	6,651.3	7,320.4	7,114.5	7,756.1
Wood Manufactures	536.4	481.0	484.3	447.3	590.5	750.1	597.3	486.6	513.8	489.0	504.7
Textile Manufactures	810.2	781.1	776.9	929.4	1,330.3	1,386.5	1,544.8	1,630.8	1,883.5	1,760.5	1,980.1
Iron & Steel	411.2	461.5	457.8	433.1	471.8	721.0	861.5	789.9	891.4	846.0	977.0
Metal Manufactures	509.6	530.3	570.6	561.1	626.6	857.3	1,025.9	1,215.3	1,311.2	1,204.4	1,266.3
Machinery & Transport Equipment	14,677.9	16,865.0	16,567.4	18,900.5	26,273.8	37,938.7	43,142.1	47,732.6	51,696.7	56,939.3	69,640.6
Non-electric Machinery	4,536.4	5,764.4	6,011.5	7,420.4	10,754.1	16,355.3	19,939.1	23,057.6	24,998.9	28,575.0	35,214.2
Electric Machinery	7,816.8	9,252.1	8,855.0	10,157.8	14,035.2	19,415.2	20,471.9	22,223.2	24,542.2	25,553.3	31,284.3
Transport Equipment	2,324.8	1,848.5	1,701.0	1,322.5	1,484.4	2,168.3	2,731.2	2,451.7	2,155.5	2,811.0	3,142.1
Miscellaneous Manufactured Articles	3,083.7	3,408.0	3,378.2	4,042.3	5,556.1	7,110.8	7,815.3	8,499.7	9,228.9	9,593.0	9,768.0
Clothing	1,002.1	1,170.9	1,176.5	1,469.7	2,095.7	2,491.4	2,715.1	2,867.2	3,008.5	2,947.8	2,500.3
Scientific & Optical Instruments	510.0	594.1	660.4	755.1	1,045.1	1,558.3	1,730.0	1,953.1	2,177.5	2,351.2	2,721.2
Watches & Clocks	246.2	230.2	200.9	206.8	226.5	317.4	400.8	508.5	615.5	594.9	707.9
Miscellaneous Transactions nec	491.7	743.3	797.5	912.1	1,050.0	1,150.9	1,234.9	1,259.7	1,465.2	1,481.9	1,992.7

1 Include oil bunkers.

Source : Trade Development Board
with effect from April 1987

10.8 DOMESTIC EXPORTS BY COMMODITY, 1983-1993

Million Dollars

Commodity	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Total	29,206.4	33,051.2	32,575.5	32,062.4	39,070.6	49,555.2	55,251.7	62,754.1	66,031.1	66,336.8	75,394.0
Food	469.1	483.9	478.1	602.3	731.3	904.7	1,034.7	958.0	1,124.9	1,164.9	1,078.0
Animal Feeding Stuffs	38.6	46.9	36.3	40.5	36.6	48.9	46.7	37.7	38.5	47.4	43.5
Beverages & Tobacco	114.7	102.4	103.4	121.6	177.2	249.1	319.7	386.1	397.8	460.9	519.1
Crude Materials¹	179.6	172.3	189.7	246.6	343.7	468.5	516.2	460.1	448.8	456.9	426.5
Mineral Fuels²	15,233.6	15,743.8	15,840.1	11,980.3	11,753.5	11,341.0	13,223.9	17,136.7	17,201.8	13,408.8	14,556.6
Oil Bunkers	3,040.9	2,994.3	2,858.0	2,214.1	2,451.3	2,205.9	2,306.3	2,785.2	3,011.9	2,263.4	2,543.7
Animal & Vegetable Oils	401.9	670.1	629.7	666.7	605.4	610.6	768.5	587.1	555.9	583.8	455.8
Chemicals	869.7	1,333.8	1,597.7	1,785.5	2,360.4	3,100.2	3,363.7	3,618.6	4,208.2	4,174.0	4,464.0
Medicinal Products	241.3	172.1	207.0	192.9	199.4	222.9	224.9	251.3	253.1	234.7	262.9
Plastic Materials	106.5	325.9	522.4	549.5	864.2	1,305.9	967.0	957.7	1,144.6	920.1	966.1
Manufactured Goods by Material	1,083.2	1,183.6	1,215.4	1,142.4	1,328.2	1,777.5	1,848.7	2,126.9	2,246.8	2,189.9	2,443.4
Wood Products excluding Furniture	286.5	251.7	228.8	169.3	190.3	242.6	207.2	195.0	178.1	143.6	122.4
Textile Yarn Thread	68.4	58.0	43.0	50.7	69.8	73.8	67.8	78.9	81.3	78.4	150.2
Woven Textile Fabrics	68.5	48.9	36.2	47.1	63.3	84.8	108.7	114.3	158.4	128.3	158.0
Lime, Cement & Fabricated Construction Materials	48.9	84.2	62.7	14.7	21.9	21.6	26.6	46.7	35.2	37.2	29.1
Iron & Steel Pipes & Fittings	32.8	38.7	59.4	71.6	58.5	84.9	92.5	87.3	88.7	64.8	66.8
Machinery & Transport Equipment	8,718.6	10,936.4	10,136.3	12,595.9	17,817.3	26,144.3	29,204.2	32,351.8	34,477.3	38,338.4	46,083.4
Office Machines	818.6	2,168.8	2,515.7	3,907.1	6,399.5	9,719.3	11,798.7	14,519.5	15,194.2	18,065.1	22,083.3
Other Non-electric Machines	490.7	579.6	581.6	680.6	803.7	1,122.0	1,363.4	1,287.2	1,443.8	1,521.9	1,577.3
Electric Generators	1,045.6	1,183.1	1,414.1	1,448.3	1,275.4	1,721.1	1,300.4	1,288.3	1,552.4	1,456.6	1,741.1
Telecommunications Apparatus	1,839.2	2,124.2	2,128.4	2,361.8	3,767.5	5,641.4	6,104.6	6,312.9	6,253.3	5,975.2	6,936.7
Other Electric Machinery	2,613.0	3,202.5	2,358.3	2,864.4	6,771.5	5,101.2	5,489.6	5,599.1	6,544.9	7,245.5	8,887.4
Ships, Boats & Oil Rigs	982.7	633.5	102.8	109.0	194.8	375.7	230.7	303.3	274.2	619.5	931.0
Miscellaneous Manufactured Articles	2,097.5	2,275.3	2,220.4	2,680.0	3,688.5	4,670.8	4,712.8	4,866.4	5,096.3	5,234.1	4,986.9
Clothing	765.2	891.3	876.9	1,072.3	1,487.1	1,780.9	1,816.5	1,793.0	1,779.2	1,590.1	1,200.5
Scientific & Optical Instruments	209.3	256.0	291.1	359.9	522.6	738.6	645.4	755.8	908.9	1,021.7	1,145.4
Watches & Clocks	157.2	131.7	103.4	103.5	93.4	131.3	155.0	183.8	221.3	236.6	312.5
Printed Matters	112.0	120.2	136.9	188.1	256.7	314.0	378.9	438.8	489.4	572.6	516.7
Toys & Games	138.7	185.5	200.5	258.5	440.4	446.5	382.1	351.3	361.5	268.3	220.6
Miscellaneous Transactions nec	38.5	149.6	164.8	241.2	265.1	288.4	259.3	262.5	273.3	324.3	380.3

1 Exclude processed rubber and sawn timber.

2 Include oil bunkers.

Source : Trade Development Board
with effect from April 1987

10.9 IMPORTS OF SPECIFIC COMMODITIES, 1983-1993

Million Dollars

Year	Meat	Rice	Unmilled Cereals	Fruits & Nuts	Spices	Animal Feed	Crude Rubber	Sawn Timber	Crude Petroleum
1983	292.9	143.6	365.6	348.8	215.0	160.9	1,610.6	274.1	14,303.5
1984	301.5	142.1	698.6	403.1	203.1	186.6	1,435.7	228.0	14,169.6
1985	274.7	109.2	196.8	410.5	288.1	118.3	981.8	191.5	12,850.3
1986	279.2	132.4	125.0	406.9	266.3	130.5	879.0	212.0	8,223.4
1987	323.7	116.8	115.1	453.5	247.4	124.7	1,130.8	262.1	8,544.4
1988	346.8	149.2	186.5	487.5	237.5	150.3	1,660.4	271.5	8,261.5
1989	372.1	152.7	196.7	485.0	260.6	131.2	1,216.1	292.9	9,096.5
1990	359.0	147.8	105.0	497.5	232.8	83.0	941.7	305.9	12,503.9
1991	362.9	138.6	97.5	561.5	193.8	91.7	724.2	310.5	11,465.1
1992	363.9	149.7	95.1	563.3	172.0	125.0	544.1	275.9	10,323.2
1993	364.6	156.1	83.6	579.6	170.8	85.5	453.2	286.5	10,362.9

10.9 IMPORTS OF SPECIFIC COMMODITIES, 1983-1993 (continued)

Million Dollars

Year	Petroleum Products	Fixed Vegetable Oils	Medicinal Products	Paper & Paperboard	Textile Yarn & Thread	Woven Textile Fabrics	Iron & Steel Plates, Sheets, Bars, Shapes, etc	Iron & Steel Pipes & Fittings	Generators
1983	4,297.9	202.0	207.0	427.4	141.9	1,493.0	1,233.3	451.7	1,896.0
1984	2,779.7	440.9	222.2	476.3	145.9	1,425.8	969.9	564.7	2,148.4
1985	4,169.6	293.9	239.0	411.5	141.0	1,351.9	775.0	435.2	2,063.2
1986	2,762.7	166.9	284.6	491.3	194.6	1,650.5	791.9	386.6	2,709.9
1987	3,971.2	299.1	314.2	661.2	233.3	2,205.2	1,027.1	356.3	4,358.8
1988	4,151.3	351.4	367.2	844.2	291.2	2,141.3	1,655.0	616.2	5,140.1
1989	4,297.4	431.6	383.9	833.0	345.6	2,227.4	1,648.1	791.5	4,760.8
1990	4,879.7	403.1	360.9	896.8	343.0	2,274.2	1,716.8	913.9	5,604.8
1991	4,575.3	466.8	378.7	911.4	356.8	2,316.0	1,856.0	1,073.7	6,258.4
1992	4,647.3	367.2	441.3	825.0	294.2	2,302.9	1,742.3	947.1	6,186.0
1993	4,539.7	330.2	701.6	816.1	332.8	2,160.0	2,009.2	802.3	7,297.8

10.9 IMPORTS OF SPECIFIC COMMODITIES, 1983-1993 (continued)

Million Dollars

Year	Industrial Machinery	Telecommunications Apparatus	Office Machines	Motor Vehicles	Ships, Boats & Oil Rigs	Clothing	Scientific & Optical Instruments	Watches & Clocks	Toys & Games
1983	1,513.2	1,524.4	1,219.0	1,196.9	1,269.3	591.8	998.2	537.6	227.1
1984	1,272.8	1,700.9	1,851.3	1,084.8	888.0	646.9	1,070.6	475.6	257.3
1985	1,121.2	1,726.9	1,862.2	760.4	909.1	654.4	1,129.4	424.7	222.4
1986	954.7	2,284.0	2,075.0	682.3	1,284.4	785.9	1,259.3	475.7	292.8
1987	1,217.9	3,160.1	3,201.1	1,103.3	1,104.5	1,072.0	1,571.1	596.3	332.8
1988	1,859.9	4,612.9	4,726.2	1,725.7	1,348.9	1,210.0	2,359.0	779.2	364.8
1989	2,306.1	5,170.5	6,054.2	2,213.4	1,394.7	1,329.6	2,571.3	874.0	363.6
1990	2,744.3	6,535.0	7,861.0	2,692.7	1,661.5	1,655.5	2,995.7	1,170.5	435.0
1991	2,808.5	7,576.4	8,134.4	2,285.8	1,489.7	1,822.7	3,117.3	1,053.4	448.1
1992	2,617.5	7,276.1	9,115.6	2,678.2	2,013.5	1,943.4	3,413.0	1,072.1	549.9
1993	2,775.3	9,611.0	12,159.8	3,344.4	2,097.9	2,173.9	4,124.0	1,221.0	630.0

Source : Trade Development Board
with effect from April 1987

10.10 EXPORTS OF SPECIFIC COMMODITIES, 1983-1993

Million Dollars

Year	Spices	Coffee	Animal Feed	Crude Rubber	Sawn Timber	Petroleum Products	Fixed Vegetable Oils	Medicinal Products	Manufactured Fertilizers
1983	231.9	236.3	97.7	2,105.8	367.6	12,557.3	451.5	329.8	207.8
1984	285.8	334.2	119.0	2,135.4	340.0	12,849.4	1,115.7	259.8	162.3
1985	305.4	313.4	83.8	1,491.5	301.7	13,418.2	1,128.1	298.1	127.5
1986	403.2	567.3	93.3	1,335.2	349.1	10,021.8	336.2	294.1	70.5
1987	382.2	298.8	97.8	1,535.1	486.6	9,624.6	362.5	305.2	81.5
1988	388.5	334.5	113.6	2,274.1	529.6	9,639.2	454.9	349.2	103.6
1989	353.2	131.2	107.8	1,884.7	659.4	11,026.8	449.7	360.2	56.5
1990	248.6	127.0	75.5	1,405.3	449.7	14,371.2	349.2	378.1	52.1
1991	223.7	129.6	80.1	1,089.1	412.5	14,179.2	305.3	381.2	47.7
1992	203.2	110.9	135.5	966.4	366.4	11,096.9	278.3	402.9	55.8
1993	207.5	133.0	110.6	779.1	342.8	11,879.9	219.5	599.1	37.9

10.10 EXPORTS OF SPECIFIC COMMODITIES, 1983-1993 *(continued)*

Million Dollars

Year	Crude Vegetable Materials	Wood Products excluding Furniture	Textile Yarn & Thread	Woven Textile Fabrics	Iron & Steel Plates, Sheets, Bars, Shapes, etc	Iron & Steel Pipes & Fittings	Generators	Office Machines	Industrial Machinery
1983	190.4	536.1	113.3	578.8	139.9	235.7	1,778.6	1,656.3	821.4
1984	203.8	480.5	108.6	554.6	164.9	238.7	1,968.0	2,674.5	855.8
1985	200.5	483.5	105.3	562.7	167.0	263.3	2,055.7	3,008.9	861.1
1986	214.7	446.1	143.6	673.0	188.5	219.7	2,156.8	4,410.7	673.9
1987	312.9	589.4	193.9	997.6	263.8	175.3	2,605.6	7,048.6	732.7
1988	359.4	749.2	267.2	964.6	428.9	250.1	2,906.0	10,910.6	1,015.1
1989	311.2	596.5	279.7	1,080.4	462.9	341.0	2,721.4	13,215.9	1,342.4
1990	282.8	485.6	277.9	1,134.9	428.1	300.4	2,811.0	16,620.3	1,486.9
1991	254.4	513.3	296.7	1,376.1	414.3	404.2	3,372.1	17,652.2	1,636.7
1992	240.5	487.9	232.0	1,304.2	471.8	321.9	3,347.1	21,113.5	1,439.7
1993	246.1	503.9	360.0	1,378.9	561.5	335.1	3,963.0	26,654.7	1,655.8

10.10 EXPORTS OF SPECIFIC COMMODITIES, 1983-1993 (continued)

Million Dollars

Year	Telecommunica- tions Apparatus	Household Equipment	Motor Vehicles	Ships, Boats & Oil Rigs	Furniture	Clothing	Scientific & Optical Instruments	Watches & Clocks	Printed Matters
1983	2,389.8	338.4	399.1	1,348.7	173.0	1,002.1	510.0	246.2	152.6
1984	2,719.9	440.6	449.3	999.1	178.8	1,170.9	594.1	230.2	157.6
1985	2,780.8	423.2	325.6	426.4	163.9	1,176.5	660.4	200.9	180.3
1986	3,224.7	429.0	298.0	685.6	202.4	1,469.7	755.1	206.8	230.8
1987	5,200.4	520.6	382.3	688.1	263.2	2,095.7	1,045.1	226.5	306.0
1988	7,569.5	635.9	554.7	1,189.7	339.9	2,491.4	1,558.3	317.4	398.1
1989	8,465.2	616.8	788.6	929.7	377.5	2,715.1	1,730.0	400.8	439.0
1990	9,470.8	587.7	956.2	686.9	342.6	2,867.2	1,953.1	508.5	548.9
1991	9,834.4	628.4	976.6	557.9	363.6	3,008.5	2,177.5	615.5	603.1
1992	9,673.4	672.8	1,150.6	1,045.1	362.9	2,947.8	2,351.2	594.9	643.7
1993	11,560.4	694.4	1,492.2	1,203.5	358.1	2,500.3	2,721.2	707.9	600.2

Source : Trade Development Board
with effect from April 1987

CHART 10

EXTERNAL TRADE AND TRADE BALANCE, 1983-1993

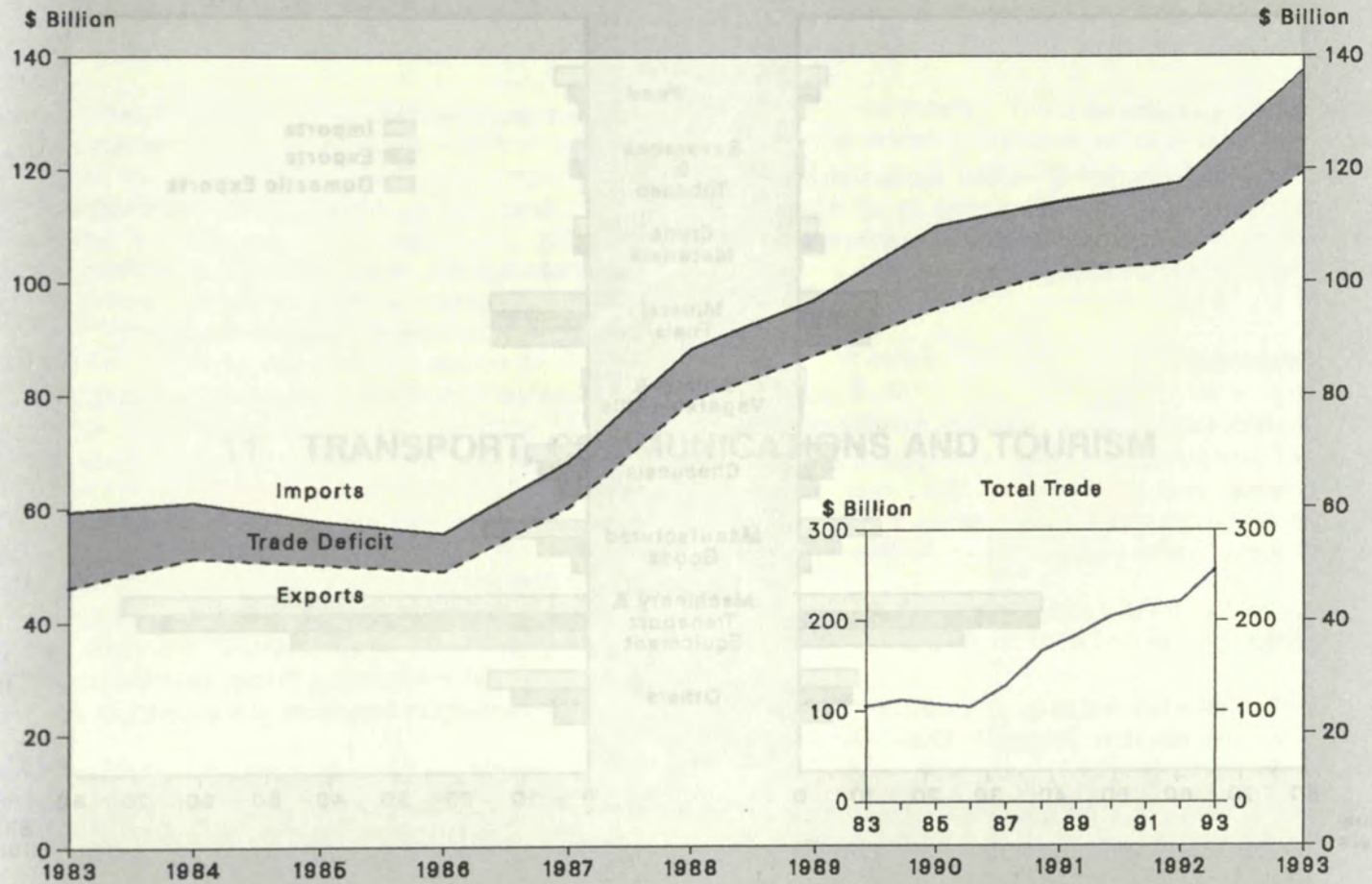
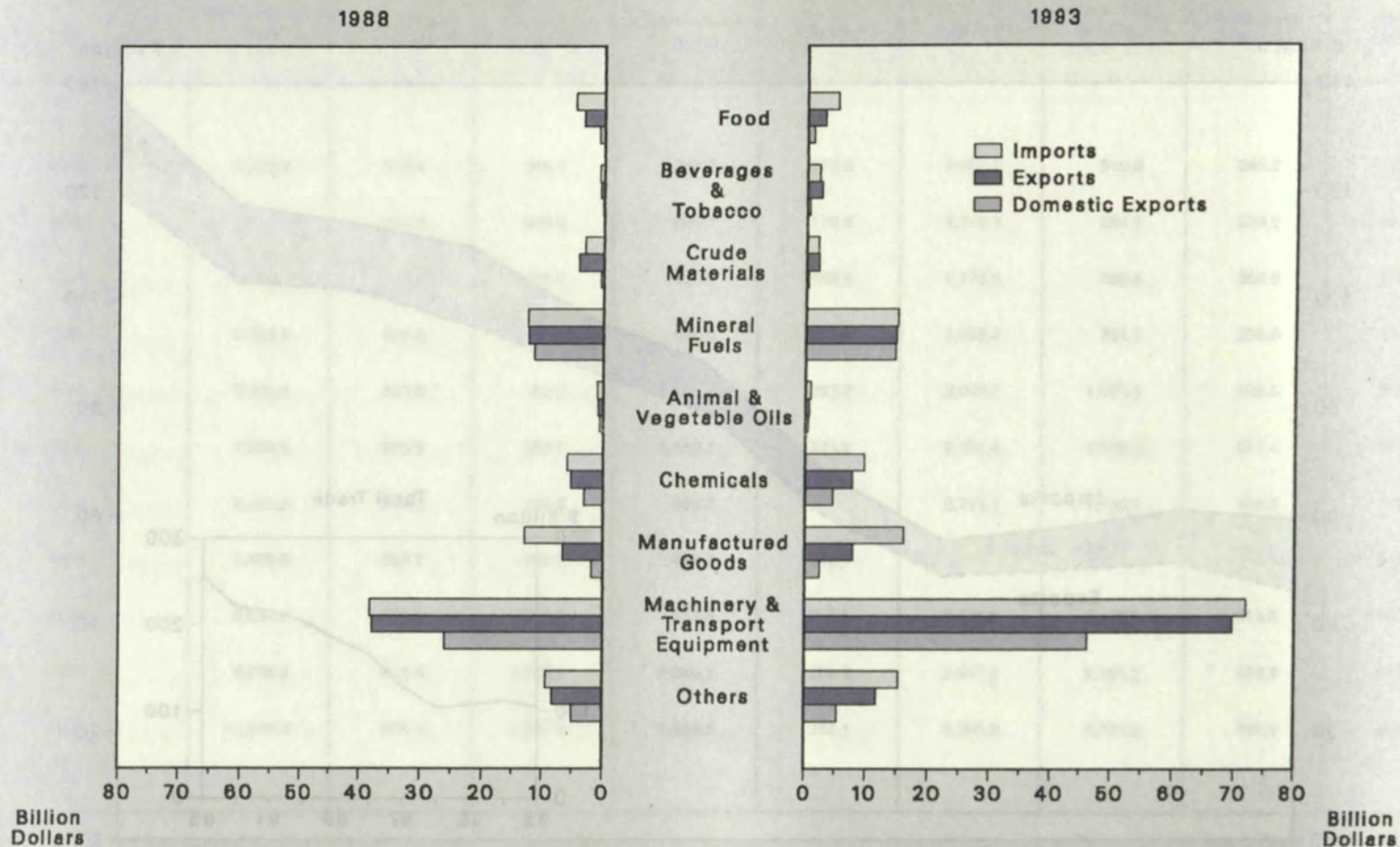


CHART 11

TRADE BY COMMODITY, 1988 AND 1993



Monthly and annual summaries of characteristics of visitor arrivals from major markets are available respectively in the "Singapore Monthly Report on Tourism Statistics" and the

Distribution/Embarkation Forms (IM 23A) completed by all visitors arriving in Singapore at the points of entry.

Visitor Arrivals Data on embarking and disembarking of international arrivals at Singapore is collected from the "Singapore Monthly Report on Tourism Statistics" published by the

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Statistics Department. The data includes the number of arrivals by mode of transport, nationality, and purpose of visit. The data is also used to calculate the average length of stay and the average number of days spent in Singapore.

Local Road Data on passenger vehicles and trucks entering and leaving Singapore is obtained from the Singapore Road Transport Statistics. The data is also used to calculate the average length of stay and the average number of days spent in Singapore.

Sea Transport Data on passenger vessels and cargo ships entering and leaving Singapore is obtained from the Singapore Maritime Statistics. The data is also used to calculate the average length of stay and the average number of days spent in Singapore.

The Civil Aviation Authority of Singapore (CAAS) is responsible for operating the Singapore Changi Airport and SeaPort. It also provides air traffic services, regulates and promotes the development of the air transport and the aerospace industries, as well as compile and collates

statistics on passenger and cargo traffic. The data is also used to calculate the average length of stay and the average number of days spent in Singapore.

Sea Transport Data on passenger vessels and cargo ships entering and leaving Singapore is obtained from the Singapore Maritime Statistics. The data is also used to calculate the average length of stay and the average number of days spent in Singapore.

Local Road Data on passenger vehicles and trucks entering and leaving Singapore is obtained from the Singapore Road Transport Statistics. The data is also used to calculate the average length of stay and the average number of days spent in Singapore.

Sea Transport Data on passenger vessels and cargo ships entering and leaving Singapore is obtained from the Singapore Maritime Statistics. The data is also used to calculate the average length of stay and the average number of days spent in Singapore.

Local Road Data on passenger vehicles and trucks entering and leaving Singapore is obtained from the Singapore Road Transport Statistics. The data is also used to calculate the average length of stay and the average number of days spent in Singapore.

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Vessels Entered and Cleared

Data on the movement of vessels are compiled from declarations submitted to the Port Master by all merchant ships entering or leaving Singapore waters. The data are given in terms of number and gross registered tonnage.

Sea Cargo Handled

Volume of cargo handled : Refers to those handled by vessels of all tonnages at all parts of Singapore including private wharves and anchorages. The data include transshipment cargo but exclude ship's stores and mineral oil supplied as bunker fuel to vessels.

Civil Air Traffic

The Civil Aviation Authority of Singapore (CAAS) is responsible for operating the Singapore Changi Airport and Seletar Aerodrome. It also provides air traffic services, regulates and promotes the development of the air transport and the aerospace industries, as well as compiles and collates

statistics on passengers, airfreight, airmail and aircraft traffic passing through Changi Airport and Seletar Aerodrome.

Data on passenger arrivals and departures and incoming and outgoing mail are obtained from manifests submitted by the airlines through their handling agents. Statistics on aircraft movements are compiled by the Authority's Aeronautical Information Services Unit.

Monthly statistics on passengers, aircraft landings and mail carried through Changi Airport and Seletar Aerodrome are available in the "Air Transport Statistics" published by the CAAS.

Visitor Arrivals

Data on visitor arrivals are compiled from Disembarkation/Embarkation Forms (IMM 23A) completed by all visitors arriving in Singapore at the points of entry.

Monthly and annual summaries of characteristics of visitor arrivals from major markets are available respectively in the "Singapore Monthly Report on Tourism Statistics" and the

"Singapore Annual Report on Tourism Statistics" published by the Singapore Tourist Promotion Board.

Roads

Data on public roads refer to the length of roads in kilometres and are classified into expressways, major arterial roads, collector roads and local roads.

Expressways : These are dual carriageway roads designed specifically to handle large volumes of fast-moving traffic with a high degree of safety. Intersections with other roads are grade-separated and no direct access to abutting development is permitted. Non-motorised and very large and heavy vehicles are not allowed on expressways.

Major Arterial Roads : These are good capacity roads linking major areas of activities. They may be divided roads. Intersections with other main roads are usually signalised. Traffic control measures are used to accord priority to the through-traffic. Direct access to abutting development is permitted when alternative access is not available.

Collector Roads : These are roads serving traffic between the major arterial roads and the local roads. They also carry through-traffic within a local area. They may be divided roads.

Local Roads : These are roads providing access to residential, industrial, and commercial developments and carry little or no through-traffic. They are usually undivided roads.

Vehicles Registered

All motor vehicles in Singapore must be registered with the Registry of Vehicles (ROV). More information on vehicle statistics may be obtained from the ROV Annual Report.

Road Casualties

Data on road casualties are compiled from reports made to the Police on all traffic accidents occurring on roads.

11.1 VESSELS REGISTERED IN SINGAPORE, 1988-1993
(End of Period)

Tonnage Class (Gross Registered Tons)	1988		1989		1990		1991		1992		1993	
	No.	'000 GRT	No.	'000 GRT	No.	'000 GRT	No.	'000 GRT	No.	'000 GRT	No.	'000 GRT
Total	1,243	7,328	1,359	8,134	1,565	8,872	1,823	9,559	2,087	10,739	2,394	12,164
Non-propelled or Below 100	588	395	665	470	795	601	949	705	1,121	893	1,306	1,104
100 & Above	655	6,933	694	7,664	770	8,271	874	8,854	966	9,846	1,088	11,060

Source : Marine Department

11.2 AGE DISTRIBUTION OF VESSELS REGISTERED IN SINGAPORE, DECEMBER 1993

Tonnage Class (Gross Registered Tons)	Age Group (Years)													
	0 - 4		5 - 9		10 - 14		15 - 19		20 - 24		25 - 29		30 & Above	
	No.	'000 GRT	No.	'000 GRT	No.	'000 GRT	No.	'000 GRT	No.	'000 GRT	No.	'000 GRT	No.	'000 GRT
Total	1,203	4,496	260	2,111	365	2,070	370	2,628	168	766	21	84	7	12
Non-propelled or Below 100	924	821	138	93	161	121	55	51	22	16	3	1	3	2
100 to Below 500	156	27	38	9	74	17	94	29	36	10	7	2	1	-
500 to Below 1,000	11	9	7	5	23	18	56	46	16	13	3	3	1	1
1,000 to Below 5,000	36	98	19	43	37	88	48	129	50	113	6	12	1	2
5,000 to Below 10,000	13	86	5	40	15	117	42	326	18	141	-	-	1	7
10,000 & Above	63	3,455	53	1,921	55	1,709	75	2,047	26	473	2	66	-	-

Source : Marine Department

11.3 VESSELS LICENSED IN SINGAPORE, 1983-1993

Number

End of Year	Vessels Other than Fishing Vessels					Fishing Vessels		
	Total	Native Sailing Craft	Cargo Boats	Passenger Boats	Others ¹	Total	Powered Vessels	Non-powered Vessels
1983	2,731	8	1,495	582	646	516	460	56
1984	2,599	3	1,381	550	665	483	443	40
1985	2,383	1	1,223	514	645	446	415	31
1986	2,241	1	1,116	494	630	423	401	22
1987	2,165	1	1,023	513	628	397	380	17
1988	2,113	-	971	508	634	384	367	17
1989	2,105	-	946	521	638	340	326	14
1990	2,200	-	962	521	717	340	326	14
1991	2,303	-	969	523	811	315	304	11
1992	2,433	-	989	527	917	303	292	11
1993	2,397	-	957	516	924	276	267	9

¹ Refer to work boats, bum boats and tug boats.

Source : Marine Department
Primary Production Department
Port of Singapore Authority

11.4 VESSEL ARRIVALS AND DEPARTURES, 1983-1993

Period	Arrivals		Departures	
	Number	'000 GRT	Number	'000 GRT
1983	36,459	287,380	)	)
1984	34,985	270,050	)	)
1985	36,531	272,020	)	)
1986	40,722	333,680	)	)
1987	42,560	352,360	)	)
1988	44,855	402,960	)	)
1989	49,107	436,710	49,032	437,368
1990	60,347	491,200	64,660	490,659
1991	70,345	536,618	70,119	536,139
1992	81,334	578,495	81,245	579,077
1993 ^p	92,700	623,800	92,500	623,400

Notes : Figures include all sea-going vessels and regional ferries above 75 Gross Registered Tons (GRT).

The GRT of vessel refers to the space (in tons of 100 cubic feet) below the upper full deck plus crewquarters, etc above deck.

Source : Port of Singapore Authority

11.5 VESSEL ARRIVALS BY FLAG, 1991-1993

Flag	1991		1992		1993 ^p	
	Number	'000 GRT	Number	'000 GRT	Number	'000 GRT
All Flags	70,345	536,618	81,334	578,495	92,700	623,800
Bahamas	1,003	20,669	1,305	27,952	1,454	29,837
Bermuda	76	4,225	107	3,152	111	3,069
China	1,343	16,617	1,340	16,819	1,217	17,097
Cyprus	1,012	18,524	1,000	17,602	1,291	22,979
Denmark	608	15,691	668	14,859	788	15,308
France	115	5,858	166	8,917	136	7,142
Germany	583	10,308	657	11,865	566	11,289
Greece	626	17,352	634	17,304	873	22,918
Hong Kong	421	10,530	427	11,423	357	10,983
India	337	7,574	383	8,454	389	7,911
Japan	1,207	33,632	1,320	30,444	1,696	28,748
Korea	392	8,092	569	10,067	614	10,551
Liberia	2,470	75,140	2,822	83,044	3,234	89,419
Malta	266	4,147	467	7,458	637	10,461
Netherlands	353	7,288	369	10,472	383	10,105
Norway	907	20,568	829	17,941	688	16,575
Panama	10,994	80,185	11,878	87,930	13,827	97,091
Singapore	22,379	45,959	31,234	53,926	38,215	66,214
St Vincent & the Grenadines	369	3,095	359	3,963	536	5,311
Taiwan	519	14,028	647	16,226	702	15,499
Turkey	125	2,457	143	2,680	166	3,170
United Kingdom	240	7,536	209	8,082	223	8,381
United States	382	10,228	340	8,769	316	8,053

Note : See notes to Table 11.4.

Source : Port of Singapore Authority

11.6 SEA CARGO HANDLED, 1983-1993

Thousand Freight Tonnes

Period	Total		General Cargo				Bulk Cargo			
			Containerised		Conventional		Oil		Others	
	Inward	Outward	Inward	Outward	Inward	Outward	Inward	Outward	Inward	Outward
1983	65,882.6	40,465.8	10,130.3	8,636.4	10,393.9	8,310.6	40,269.9	23,290.6	5,088.5	228.2
1984	67,411.0	44,486.3	11,829.2	10,271.5	9,023.6	9,608.2	39,199.4	23,976.2	7,358.8	630.4
1985	62,086.2	43,749.6	12,410.6	11,451.3	6,723.0	6,359.2	38,430.0	25,180.6	4,522.6	758.5
1986	69,756.8	50,959.1	15,914.0	15,625.7	6,257.6	6,224.0	43,893.7	28,814.9	3,691.5	294.5
1987	75,779.7	53,678.6	19,145.1	19,274.3	6,736.9	6,701.9	46,198.9	27,398.5	3,698.8	303.9
1988	90,648.7	64,090.1	25,848.7	25,406.9	8,083.9	7,600.2	52,834.5	30,667.1	3,881.6	415.9
1989	98,367.0	75,930.8	31,750.0	33,440.2	9,652.8	8,592.7	51,908.2	32,511.9	5,055.9	1,386.0
1990	106,222.5	81,566.8	37,612.8	39,017.8	9,968.5	7,788.6	53,334.6	33,570.9	5,306.6	1,189.5
1991	116,525.1	89,903.9	44,909.1	45,771.4	9,946.8	7,556.5	56,123.0	35,391.8	5,546.1	1,184.1
1992	136,468.2	101,977.7	54,993.2	53,960.8	9,552.1	7,211.1	65,969.2	39,475.1	5,953.7	1,330.7
1993 ^P	158,900.0	114,800.0	64,600.0	62,500.0	9,600.0	5,900.0	78,500.0	45,000.0	6,200.0	1,400.0

Note : Data include transhipment cargo but exclude ship's stores and mineral oil supplied as bunker fuel to vessels.

Source : Port of Singapore Authority

11.7 CONTAINERISED CARGO HANDLED BY COUNTRY/AREA, 1989-1993

Thousand Freight Tonnes

Country/Area	1989		1990		1991		1992		1993 ^P	
	Inward	Outward	Inward	Outward	Inward	Outward	Inward	Outward	Inward	Outward
All Countries/Areas	31,750.0	33,440.2	37,612.8	39,017.8	44,909.1	45,771.4	54,993.2	53,960.8	64,600.0	62,500.0
South East Asia	10,872.7	9,925.3	12,648.2	12,420.6	15,130.0	13,751.8	20,417.8	16,677.5	24,275.0	19,783.5
North East Asia	8,558.7	7,574.0	11,249.7	7,962.8	12,376.9	9,558.1	13,838.8	10,394.7	15,979.9	12,257.8
China	182.9	212.6	244.1	174.9	525.7	257.8	825.9	332.5	884.0	402.3
Hong Kong	2,248.1	2,036.4	2,722.6	2,217.8	2,995.3	2,721.3	3,420.0	2,991.1	4,340.5	3,572.5
Japan	3,033.8	2,410.8	4,057.9	2,826.3	4,425.2	3,514.6	5,065.9	3,766.1	5,529.7	4,598.3
Taiwan	2,448.8	2,431.2	3,325.4	2,194.6	3,302.1	2,308.7	2,963.1	2,657.0	3,023.8	2,682.9
Korea	645.1	483.0	899.6	549.1	1,128.7	755.8	1,564.0	648.0	2,201.9	1,001.8
South Asia	1,793.8	2,282.7	1,729.8	2,668.9	2,425.9	3,035.1	3,619.4	3,856.1	4,055.7	4,884.9
India	811.1	910.4	800.3	1,198.2	1,243.0	1,162.5	1,783.2	1,683.4	2,307.3	1,992.5
Bangladesh	425.9	634.9	434.4	649.7	504.4	729.1	687.0	891.3	847.3	1,121.9
Sri Lanka	193.5	421.8	277.1	456.3	331.0	599.3	436.6	642.1	409.3	1,038.4
Pakistan	363.2	285.2	216.9	321.0	346.9	511.7	709.0	592.3	490.5	679.4
West Asia	746.2	1,878.4	840.9	1,983.3	1,126.0	3,086.9	1,068.0	3,868.0	1,452.0	4,106.1
United Arab Emirates	373.6	759.1	511.0	907.2	715.2	1,506.7	524.8	1,795.9	906.0	2,116.1
Saudi Arabia	223.7	484.6	165.0	480.1	241.3	797.8	355.0	1,119.6	267.7	1,157.2
Africa	382.2	655.6	454.3	945.9	639.3	1,250.0	711.9	1,552.6	875.0	2,126.3
EEC	5,231.6	5,508.3	6,405.1	7,179.8	7,074.6	8,105.2	8,257.4	9,656.1	10,952.5	10,795.0
Italy	574.4	557.1	749.5	711.8	717.9	800.2	826.6	952.2	1,025.8	906.1
France	516.1	662.3	681.7	783.5	609.6	904.2	515.7	814.0	879.8	939.9
Germany	1,394.1	1,399.4	1,835.7	1,901.5	2,050.7	2,096.5	2,283.6	2,355.6	3,119.8	2,727.0
Netherlands	1,210.1	1,160.4	1,358.3	1,620.8	1,540.9	1,665.9	2,077.1	2,382.5	3,049.0	2,764.6
United Kingdom	745.1	1,034.4	841.4	1,263.2	1,071.6	1,509.5	1,447.4	1,873.1	1,667.3	2,095.0
Belgium-Luxemburg	402.3	266.4	484.0	387.8	497.8	447.2	633.4	402.3	619.9	392.4
Spain	332.7	353.8	410.7	410.6	526.7	565.1	423.5	739.6	553.5	761.8
Other Europe	319.4	415.2	494.1	548.9	361.1	480.4	280.3	393.9	366.2	424.6
Oceania	1,156.4	1,546.9	1,098.4	1,413.2	2,021.7	1,735.6	2,712.9	2,227.5	2,629.6	2,654.8
Australia	1,023.4	1,204.8	865.7	1,086.4	1,705.0	1,309.6	2,222.7	1,677.6	2,270.0	2,089.8
New Zealand	107.1	172.3	200.9	176.4	279.0	192.8	439.2	221.8	322.5	258.2
Papua New Guinea	6.2	151.3	13.9	102.6	24.9	149.6	27.2	233.5	21.4	185.8
North America	2,294.1	3,182.8	2,417.4	3,438.5	2,927.4	3,696.8	3,743.3	4,703.3	3,421.3	4,697.2
Canada	199.1	102.9	218.3	107.8	227.5	104.8	257.1	225.0	215.0	245.0
USA	2,095.0	3,079.9	2,199.1	3,330.8	2,699.9	3,592.0	3,486.1	4,478.3	3,206.3	4,452.2
Central & South America	95.6	200.1	144.7	231.3	97.3	371.7	120.0	469.5	253.4	570.1

Source : Port of Singapore Authority

11.8 MINERAL OIL HANDLED BY COUNTRY/AREA, 1989-1993

Thousand Freight Tonnes

Country/Area	1989		1990		1991		1992		1993 ^P	
	Inward	Outward	Inward	Outward	Inward	Outward	Inward	Outward	Inward	Outward
All Countries/Areas	51,908.2	32,511.9	53,334.6	33,570.9	56,123.0	35,391.8	65,969.2	39,475.1	78,500.0	45,000.0
South East Asia	7,758.7	11,382.5	8,619.7	12,812.8	8,707.9	13,824.5	10,601.5	16,947.3	10,730.5	17,333.4
North East Asia	5,161.9	15,280.9	5,142.8	14,591.9	6,245.3	12,683.5	6,528.1	14,197.0	5,223.7	20,039.9
China	4,093.7	2,200.7	3,964.0	736.0	3,789.8	813.9	3,333.8	1,159.3	1,843.6	3,563.1
Hong Kong	190.7	5,232.4	91.7	5,654.9	233.6	5,069.6	80.6	6,760.9	114.8	9,908.8
Japan	639.1	6,464.9	647.5	5,900.9	802.3	4,873.1	995.9	4,003.9	781.2	3,473.0
Korea	79.6	524.7	366.7	834.6	1,161.7	992.4	1,955.9	1,514.6	2,274.7	2,270.0
Taiwan	158.8	840.6	72.9	1,458.7	255.3	933.5	161.8	758.3	209.5	825.1
South Asia	538.3	791.7	645.0	1,329.2	629.5	2,209.4	628.7	2,601.8	763.2	2,125.5
India	64.7	412.2	230.1	427.1	165.4	1,265.5	438.0	1,498.9	547.1	1,077.3
Sri Lanka	96.3	191.4	78.3	22.2	122.3	115.9	33.3	338.8	101.7	175.2
West Asia	34,133.0	815.5	34,569.6	714.7	34,620.9	2,716.0	39,982.6	1,700.9	53,158.6	1,502.2
Bahrain	2,022.0	84.4	1,634.1	78.8	1,498.1	19.1	1,291.0	-	1,213.2	-
Iran	3,109.6	202.3	2,489.7	26.0	3,233.1	320.6	2,836.0	530.2	5,822.9	88.8
Kuwait	5,691.1	-	4,252.0	-	806.3	84.2	3,888.9	130.2	5,288.9	-
Saudi Arabia	15,574.3	480.7	14,772.0	12.7	18,123.9	1,319.8	22,750.4	786.9	28,089.6	376.1
United Arab Emirates	5,302.3	9.6	6,676.3	508.6	6,895.4	818.6	6,232.2	189.5	6,382.1	1,024.8
Africa	491.0	148.5	634.3	63.2	317.0	286.7	841.1	12.9	1,831.2	76.5
EEC	344.3	36.1	689.0	53.0	267.3	158.1	1,514.0	22.6	1,520.4	8.7
Other Europe	139.5	28.5	2.2	118.3	276.1	125.3	559.7	60.4	637.1	18.8
Oceania	1,061.9	2,685.1	2,003.3	2,823.7	2,160.5	2,496.7	2,082.2	2,693.8	2,489.3	2,602.8
Australia	1,042.2	1,585.9	1,953.2	1,301.9	1,847.2	1,321.7	1,931.1	1,523.8	2,471.2	1,200.9
New Zealand	-	5.6	9.5	74.0	102.7	46.6	42.0	20.4	-	-
North America	534.1	1,100.9	353.6	985.6	1,303.6	775.4	1,486.0	896.0	1,799.9	1,129.4
USA	534.1	1,100.9	353.5	985.6	1,303.6	775.4	1,486.0	896.0	1,799.9	1,129.4
Central & South America	408.6	97.8	675.1	0.4	1,514.5	9.1	1,563.4	1.7	337.3	6.1

Notes : Mineral oil refers to crude or refined petroleum handled in bulk.
Mineral oil which are handled in drums or other form of packaging
have been included in conventional cargo.

Source : Port of Singapore Authority

11.9 CIVIL AIRCRAFT LANDINGS, PASSENGERS AND PARCEL MAIL, 1983-1993

Year	Aircraft Landings	Passengers			Parcel Mail	
		Arriving	Departing	In Transit	In-coming	Out-going
	Number	Persons			Tonnes	
1983	33,776	3,830,720	3,855,604	992,828	4,322	4,708
1984	35,327	4,180,752	4,221,117	1,063,782	4,308	4,978
1985	36,600	4,323,587	4,397,908	1,135,335	4,711	5,741
1986	36,514	4,445,576	4,489,692	1,132,451	4,422	5,527
1987	38,131	5,017,163	5,027,601	1,159,029	4,208	5,351
1988	41,646	5,686,450	5,719,996	1,188,838	4,359	5,102
1989	43,694	6,490,959	6,482,278	1,163,130	4,391	5,212
1990	48,803	7,237,233	7,166,347	1,217,178	4,159	4,535
1991	54,339	7,584,541	7,479,948	1,220,550	5,034	4,679
1992	62,770	8,446,027	8,432,221	1,221,907	5,948	6,073
1993	68,355	9,421,358	9,374,970	1,190,886	7,927	6,759

Note : Figures from 1989 refer to Changi Airport only.

Source : Civil Aviation Authority of Singapore
with effect from July 1986

11.10 AIR CARGO DISCHARGED AND LOADED BY REGION AND SELECTED COUNTRY OF ORIGIN AND DESTINATION, 1988-1993

Tonnes

Region/Country of Origin or Destination	1988		1989		1990		1991		1992		1993	
	Discharged	Loaded	Discharged	Loaded	Discharged	Loaded	Discharged	Loaded	Discharged	Loaded	Discharged	Loaded
Total	263,248	248,293	297,180	280,369	324,157	299,684	342,261	300,948	386,793	332,212	444,019	394,397
South East Asia	77,668	59,149	92,484	68,452	97,686	77,935	103,169	71,229	120,489	78,534	119,529	93,143
Malaysia	15,917	15,125	17,562	17,350	19,373	20,396	21,640	21,316	24,262	20,785	21,664	25,533
Philippines	4,423	5,419	3,923	5,988	3,730	6,066	3,973	5,502	4,090	6,851	5,351	8,463
Thailand	22,599	16,070	26,427	20,209	24,780	20,293	26,952	19,384	31,601	23,234	36,212	27,597
North East Asia	79,912	69,529	88,208	83,782	104,614	90,310	108,461	103,732	112,526	112,125	136,316	136,631
Hong Kong	15,566	18,827	16,147	22,617	18,992	24,181	18,633	27,296	22,373	28,388	28,644	35,840
Japan	35,934	32,423	38,431	37,629	44,564	41,121	48,170	48,331	46,957	51,312	53,557	56,016
Taiwan	18,274	7,109	18,878	7,132	22,702	8,178	22,210	9,567	21,165	13,436	25,641	18,413
South Asia	14,256	13,816	18,017	15,038	19,399	13,550	19,194	12,555	22,164	13,830	26,919	17,150
India	9,359	7,545	11,652	8,319	12,268	7,550	10,994	6,280	13,240	7,360	16,984	9,491
West Asia	2,060	6,014	2,448	6,363	2,850	7,328	1,815	6,371	2,912	7,360	4,831	10,583
Oceania	28,893	23,597	29,480	28,466	35,390	25,877	45,526	26,133	52,980	27,683	60,366	32,114
Australia	26,082	19,174	26,430	22,446	32,637	20,486	41,698	21,068	47,692	22,141	52,715	25,482
New Zealand	2,541	3,264	2,807	4,679	2,420	4,335	3,435	4,024	4,858	4,504	7,330	5,711
Europe	41,315	52,945	47,594	54,400	49,637	61,310	49,284	60,726	57,433	68,954	70,516	73,229
France	2,424	3,449	2,359	3,055	2,847	2,999	2,607	2,481	4,245	2,884	4,192	2,241
Germany ¹	3,114	4,026	3,745	4,127	4,862	5,856	4,936	5,519	7,152	6,505	8,626	7,985
Netherlands	7,716	10,077	8,468	9,543	8,544	10,475	10,152	10,763	9,906	13,440	11,772	13,729
Scandinavia	3,554	2,460	6,133	3,479	6,004	3,843	6,318	4,092	6,277	4,602	7,240	4,354
Switzerland	3,338	3,913	3,310	3,062	3,161	3,014	4,812	3,643	8,227	7,428	8,976	7,050
United Kingdom	7,074	11,771	8,995	13,172	10,662	12,923	8,165	11,611	7,906	10,526	11,377	11,899
North America	18,880	20,912	17,987	20,644	13,542	19,797	13,793	16,749	16,742	20,402	22,823	27,869
USA	18,259	19,942	16,831	19,165	12,354	18,323	12,012	15,086	14,738	18,676	21,458	26,465
Other Regions	264	2,331	962	3,224	1,036	3,578	1,019	3,453	1,546	3,324	2,719	3,678

Notes : Data refer to Changi Airport only.

Source : Civil Aviation Authority of Singapore

Data exclude passenger baggage, diplomatic cargo and aircraft stores.

1 Data prior to 1991 referred to West Germany only.

11.11 AIR PASSENGERS BY REGION AND SELECTED COUNTRY OF EMBARKATION AND DISEMBARKATION, 1988-1993

Number

Region/Country of Embarkation or Disembarkation	1988		1989		1990		1991		1992		1993	
	Arrivals	Departures	Arrivals	Departures	Arrivals	Departures	Arrivals	Departures	Arrivals	Departures	Arrivals	Departures
Total	5,686,450	5,719,996	6,490,959	6,482,278	7,237,233	7,166,347	7,584,541	7,479,948	8,446,027	8,432,221	9,421,358	9,374,970
South East Asia	2,692,161	2,635,475	3,063,288	2,980,108	3,425,010	3,301,570	3,661,119	3,534,603	3,980,191	3,880,206	4,420,285	4,303,464
ASEAN	2,677,064	2,622,887	3,062,830	2,979,545	3,418,596	3,294,612	3,638,121	3,511,121	3,917,613	3,816,017	4,316,843	4,206,936
Brunei	115,158	120,687	119,751	119,468	113,017	112,690	115,735	110,513	120,862	118,138	127,413	125,950
Indonesia	667,338	679,420	775,512	795,313	861,638	893,331	956,870	1,006,083	1,080,100	1,125,976	1,161,683	1,218,416
Malaysia	1,090,085	1,030,228	1,237,686	1,161,680	1,439,381	1,321,051	1,622,985	1,471,320	1,695,841	1,554,271	1,817,876	1,655,809
Philippines	144,595	128,172	161,765	143,929	155,235	136,299	160,739	145,039	179,040	169,444	208,042	195,904
Thailand	659,888	664,380	768,116	759,155	849,325	831,241	781,792	778,166	841,770	848,188	1,001,829	1,010,857
North East Asia	1,136,032	1,130,118	1,347,600	1,343,926	1,615,491	1,602,788	1,727,980	1,729,486	2,029,479	2,060,281	2,216,539	2,265,960
Hong Kong	449,992	427,977	452,084	441,697	556,861	531,138	570,651	548,665	649,982	642,879	724,977	739,797
Japan	476,344	485,896	639,064	648,364	758,569	777,761	758,332	778,459	813,811	885,490	871,121	886,289
Taiwan	134,804	141,812	164,283	162,832	194,690	186,736	263,323	268,019	322,100	351,047	351,282	369,091
South Asia	340,938	345,091	354,699	352,781	393,519	377,665	390,686	369,920	439,795	420,196	480,143	458,501
India	216,257	222,044	221,110	222,133	244,447	232,822	226,708	216,435	258,111	243,600	268,704	262,687
Pakistan	26,965	27,160	22,928	24,686	22,646	22,958	22,903	23,668	28,316	30,882	33,659	34,651
Sri Lanka	55,830	51,392	64,043	58,266	73,692	68,767	82,862	72,175	89,357	83,785	95,766	90,783
West Asia	68,966	68,715	68,217	70,231	55,979	58,663	74,371	75,933	106,288	98,501	114,625	106,112
Oceania	675,654	723,307	755,295	808,808	772,621	843,453	750,357	809,052	826,291	876,824	930,496	989,744
Australia	571,726	615,899	634,435	684,861	655,829	721,661	639,766	695,666	712,992	755,041	794,507	846,198
New Zealand	84,752	88,220	97,779	102,729	96,583	102,375	91,906	95,700	95,171	104,009	119,957	127,182
Europe	616,325	659,868	718,990	736,410	782,155	779,748	775,382	755,051	819,197	833,202	945,379	925,408
France	32,824	38,441	37,408	40,900	42,260	41,385	43,066	40,685	51,373	54,307	63,156	62,970
Germany ¹	68,653	74,119	89,503	88,838	103,022	102,938	104,327	104,310	126,053	126,021	167,303	154,679
Netherlands	74,364	68,851	81,440	75,528	85,409	74,165	85,556	77,046	90,381	86,396	93,221	87,351
Scandinavia	33,153	34,249	35,285	36,862	40,434	43,778	48,432	50,585	47,134	52,179	46,588	47,973
Switzerland	46,081	52,570	53,684	58,009	50,973	54,821	58,299	59,965	53,846	59,593	68,551	73,195
United Kingdom	228,418	237,541	256,542	246,455	289,171	274,114	301,168	279,280	313,403	298,937	339,520	324,739
North America	112,017	115,461	127,603	136,515	139,227	150,003	153,961	152,482	175,900	191,422	221,915	230,929
USA	105,053	107,205	111,605	116,082	120,042	125,959	132,136	130,246	151,429	166,243	197,236	204,283
Other Regions	44,357	41,961	55,267	53,499	53,231	52,457	50,685	53,421	68,886	71,589	91,976	94,852

Notes : See note to Table 11.9.

Data exclude transit passengers who continued their journey on the same flight.

1 Data prior to 1991 referred to West Germany only.

Source : Civil Aviation Authority of Singapore

11.12 VISITOR ARRIVALS BY REGION AND SELECTED COUNTRY OF RESIDENCE, 1983-1993
(By Air, Sea and Land)

Thousand

Region/Country of Residence	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Total	2,853.6	2,991.4	3,031.0	3,191.1	3,678.8	4,186.1	4,830.0	5,322.9	5,414.7	5,989.9	6,425.8
Americas	204.1	213.9	219.0	231.7	260.6	281.8	316.1	337.1	326.8	367.2	389.6
Canada	27.8	26.9	31.0	32.6	36.6	42.6	55.3	61.1	58.5	63.9	63.9
USA	167.4	176.9	176.3	188.2	211.4	226.8	248.0	261.4	253.8	287.6	307.4
Asia	1,893.0	1,959.3	1,960.7	2,031.1	2,344.4	2,586.7	2,996.3	3,427.3	3,693.1	4,127.7	4,470.4
ASEAN	1,062.6	1,057.0	1,008.5	1,001.3	1,074.0	1,158.0	1,257.0	1,442.8	1,680.3	1,810.9	1,940.5
Hong Kong	92.9	98.5	97.7	104.8	125.1	124.1	147.5	194.1	213.1	232.6	252.8
India	154.4	192.7	218.5	236.6	243.5	203.7	194.1	216.5	209.7	195.5	179.7
Japan	370.6	369.5	377.7	404.3	541.4	682.4	841.4	971.6	871.3	1,000.8	1,001.0
Korea	37.4	36.0	31.0	30.4	36.6	55.2	87.7	108.9	133.4	156.4	199.3
Pakistan	15.7	19.1	20.9	26.1	33.5	33.8	33.9	33.2	37.8	40.2	36.4
Saudi Arabia	20.7	21.8	20.9	19.3	19.5	20.9	20.9	16.9	16.4	20.7	21.2
Sri Lanka	23.1	25.7	25.2	28.1	28.4	38.2	50.8	47.8	56.0	58.1	47.2
Taiwan	68.0	80.3	82.8	100.4	148.4	152.1	223.8	224.8	287.1	386.1	427.0
Europe	418.1	445.0	468.4	520.1	619.3	810.7	901.1	943.6	888.0	957.6	1,019.6
Austria	7.8	8.3	9.3	12.1	14.8	19.4	21.8	23.2	18.0	19.6	20.6
Belgium & Luxembourg	8.9	9.6	9.5	11.1	12.2	15.7	16.8	17.9	15.8	18.3	19.6
France	37.1	42.2	41.4	43.6	47.5	63.1	68.8	73.1	69.6	73.8	77.2
Greece	5.4	7.2	9.0	12.4	19.0	23.9	20.1	18.3	14.1	15.0	15.1
Italy	21.5	25.6	26.0	30.5	37.3	53.5	55.0	56.3	51.8	56.6	64.5
Netherlands	40.6	40.2	40.5	42.7	48.2	63.9	70.9	73.8	72.2	78.2	78.6
Scandinavia	37.2	40.8	45.4	53.6	67.9	86.9	95.2	100.5	95.2	92.5	90.9
Switzerland	25.4	27.9	32.2	35.6	40.4	56.3	62.6	60.4	57.7	60.6	62.5
United Kingdom	150.4	150.2	158.4	170.1	195.2	253.6	281.3	296.6	274.7	303.3	310.7
Germany ¹	67.3	72.8	73.9	78.4	93.3	118.5	140.6	140.8	142.4	160.4	188.2
Soviet Union & Eastern Europe	5.6	8.6	11.3	16.9	26.2	30.0	39.3	49.5	46.5	37.9	42.3
Oceania	325.4	359.2	368.8	390.4	421.2	458.0	558.9	550.7	449.9	467.1	447.9
Australia	259.4	291.1	300.8	315.9	330.2	361.5	450.2	456.6	368.0	385.1	365.1
New Zealand	57.0	58.9	57.5	62.3	76.5	79.1	86.7	72.7	62.0	62.0	63.0
Others	13.0	14.2	14.1	17.7	33.4	48.9	57.6	64.2	56.9	70.3	98.2
Africa	12.5	13.5	13.0	15.9	31.5	46.6	55.0	56.2	55.7	69.7	97.6

Note : Exclude arrivals of Malaysians by land.

Source : Singapore Tourist Promotion Board

1 Data prior to 1991 referred to West Germany only.

11.13 VISITOR ARRIVALS BY NATIONALITY, 1983-1993 (By Air, Sea and Land)

Thousand

Nationality	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Total	2,853.6	2,991.4	3,031.0	3,191.1	3,678.8	4,186.1	4,830.0	5,322.9	5,414.7	5,989.9	6,425.8
Americas	241.8	247.1	248.8	260.3	286.6	307.8	344.6	370.6	354.0	399.3	425.5
Canada	35.3	34.1	38.0	39.7	43.8	49.5	60.9	67.5	65.1	72.3	73.5
USA	196.2	201.1	197.8	208.3	228.5	243.5	267.9	283.3	271.0	307.6	330.0
Asia	1,714.1	1,782.1	1,791.5	1,858.0	2,156.1	2,402.4	2,792.2	3,177.5	3,417.4	3,823.0	4,140.8
ASEAN	928.3	927.5	890.4	882.8	959.6	1,045.5	1,141.4	1,321.1	1,551.3	1,669.3	1,788.7
India	202.7	237.7	259.0	279.1	284.0	242.1	234.8	259.9	256.7	245.3	233.7
Japan	381.4	383.3	390.2	417.9	556.6	700.3	860.5	990.5	887.7	1,020.9	1,023.9
Korea	41.9	40.7	35.7	35.5	43.3	62.4	95.7	116.6	140.8	164.3	207.7
Pakistan	18.0	21.5	23.0	28.3	36.0	36.6	36.9	36.2	40.7	43.6	39.7
Sri Lanka	25.8	28.4	28.3	32.0	32.7	43.0	57.9	54.6	63.0	65.5	53.8
Taiwan	69.9	84.2	87.0	104.0	152.8	155.7	227.5	229.5	291.8	390.6	431.5
Saudi Arabia	8.9	10.5	9.8	10.1	11.6	12.1	12.1	10.0	10.6	13.0	13.2
United Arab Emirates	1.2	1.2	1.0	1.5	2.1	2.5	2.7	2.2	2.9	2.9	3.3
Europe	587.9	619.3	638.9	699.7	820.1	1,019.2	1,132.7	1,204.8	1,157.5	1,246.7	1,316.7
Belgium & Luxembourg	8.7	9.3	9.2	10.9	11.9	15.3	16.0	17.1	15.3	17.5	18.3
France	44.8	50.2	49.5	53.4	60.5	79.1	85.6	89.4	84.8	90.5	93.6
Germany	72.7	78.6	79.3	84.8	99.9	125.7	147.9	146.9	147.9	166.1	194.8
Italy	23.0	27.4	27.9	32.4	39.5	56.4	58.1	59.4	54.7	60.0	68.0
Netherlands	50.7	50.0	50.0	52.1	58.0	74.6	82.0	83.3	83.8	90.2	91.1
Scandinavia	42.9	46.1	50.7	59.9	74.1	93.2	103.0	108.5	103.2	100.9	98.7
Switzerland	24.7	26.9	30.8	34.3	38.9	53.3	59.7	58.3	55.7	58.4	60.1
United Kingdom (Incl. Dependencies)	284.5	287.2	291.9	309.0	350.0	411.5	459.1	507.3	490.8	535.2	551.7
U.K. Dependency (Hong Kong)	60.1	62.2	61.0	64.7	77.2	76.2	89.7	125.1	140.0	152.5	159.9
Soviet Union & Eastern Europe	6.4	10.0	12.9	18.5	28.4	32.3	40.4	50.2	49.6	41.0	43.9
Oceania	284.2	310.9	319.4	335.5	359.0	386.6	476.6	475.3	392.3	415.3	405.3
Australia	227.1	252.2	261.9	273.3	283.4	306.7	383.7	395.0	323.4	344.5	333.1
New Zealand	54.4	56.2	54.2	58.8	71.8	74.7	83.9	72.0	62.2	63.6	64.5
Others	25.5	32.0	32.3	37.5	57.0	70.1	83.9	94.7	93.5	105.6	137.5
Africa	10.8	11.3	10.9	13.7	27.1	40.1	48.1	52.7	52.1	60.8	87.2

Note : Exclude arrivals of Malaysians by land.

Source : Singapore Tourist Promotion Board

11.14 VISITOR ARRIVALS BY a) SEX AND b) AGE GROUP, 1983-1993
(By Air, Sea and Land)

Thousand

		1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Total		2,853.6	2,991.4	3,031.0	3,191.1	3,678.8	4,186.1	4,830.0	5,322.9	5,414.7	5,989.9	6,425.8
Sex												
Males		1,910.5	2,004.7	2,002.1	2,065.1	2,309.1	2,616.3	2,996.0	3,313.9	3,373.0	3,701.7	3,982.7
Females		943.1	986.7	1,028.9	1,126.0	1,369.7	1,569.8	1,834.0	2,009.0	2,041.7	2,288.2	2,443.1
Age Group (Years)												
<u>1983-1988</u>	<u>1989-1993</u>											
Under 20	Under 15	251.1	267.1	276.7	291.3	332.4	367.9	295.5	338.2	337.4	366.8	397.5
	15 - 19							129.8	141.8	147.9	160.4	172.4
20 - 29	20 - 24	653.9	668.0	681.8	712.8	820.8	937.8	423.7	466.0	485.3	528.7	530.0
	25 - 34							1,279.1	1,412.3	1,471.3	1,577.3	1,649.0
30 - 39	35 - 44	799.1	835.9	839.0	868.3	971.2	1,084.4	1,150.1	1,274.7	1,318.1	1,421.3	1,517.9
40 - 49	45 - 54	558.4	593.9	593.6	632.2	735.8	865.7	817.4	892.8	893.3	1,035.8	1,165.2
50 - 59	55 - 64	348.1	366.3	368.9	394.5	463.5	534.8	484.2	519.7	493.1	583.2	656.1
60 & Over	65 & Over	231.2	248.1	258.6	279.2	340.0	380.0	236.6	250.8	232.6	281.8	308.2
Not Stated	Not Stated	11.8	12.1	12.4	12.8	15.0	15.5	13.5	26.6	35.7	34.6	29.5
Average Age (Years)		37.3	37.5	37.4	37.6	37.8	37.9	37.7	37.5	37.1	37.6	37.9

Note : Exclude arrivals of Malaysians by land.

Source : Singapore Tourist Promotion Board

11.15 VISITOR ARRIVALS BY a) PURPOSE OF VISIT AND b) TYPE OF ACCOMMODATION, 1983-1993
(By Air, Sea and Land)

Thousand

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Total	2,853.6	2,991.4	3,031.0	3,191.1	3,678.8	4,186.1	4,830.0	5,322.9	5,414.7	5,989.9	6,425.8
Purpose of Visit											
Holiday	1,793.0	1,855.7	1,904.3	2,039.0	2,443.5	2,786.2	3,101.2	3,312.4	3,133.1	3,519.1	3,751.9
Business	377.6	407.2	395.7	403.5	456.4	531.9	610.1	691.5	759.9	792.3	863.0
Business & Holiday	160.3	175.7	162.4	159.9	172.2	187.2	205.3	214.3	198.5	199.8	206.6
In Transit	279.4	288.3	293.0	289.5	305.8	352.9	432.7	481.2	501.8	544.3	621.8
Others	243.2	264.5	275.5	299.1	300.9	327.8	480.7	623.4	821.4	934.4	982.5
Type of Accommodation											
Hotel	1,995.1	2,109.0	2,145.5	2,324.5	2,789.7	3,232.4	3,744.6	4,010.2	3,897.8	4,381.5	4,709.9
Residence of Friends/Relatives	453.9	463.6	447.7	416.6	421.2	447.7	511.7	609.5	697.1	715.5	743.3
Others	242.1	238.2	259.9	274.8	289.1	314.4	347.5	426.3	512.2	564.2	599.3
No Accommodations Required	162.6	180.6	177.9	175.2	178.9	191.6	226.1	276.8	307.6	328.7	373.3

Note : See notes to Table 11.14.

Source : Singapore Tourist Promotion Board

11.16 VISITOR ARRIVALS BY LENGTH OF STAY, 1983-1993 (By Air, Sea and Land)

Thousand

Length of Stay (Days)		1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Total		2,661.0	2,813.9	2,883.5	3,037.6	3,491.3	3,972.8	4,557.8	5,051.3	5,269.6	5,854.1	6,251.7
<u>1983-1990</u>	<u>1991-1993</u>											
Under 1	Under 1	278.9	287.0	290.8	301.1	335.6	384.7	446.9	566.1	709.7	802.7	872.6
1	1	542.1	595.4	636.5	644.2	717.1	823.2	934.7	1,044.2	1,133.3	1,273.0	1,462.2
2	2	563.6	596.4	619.5	676.7	828.2	918.6	1,074.7	1,172.2	1,178.3	1,382.0	1,503.2
3	3	414.5	437.5	450.6	480.6	593.2	708.2	808.3	873.5	853.1	958.3	977.2
4 - 7	4 - 7	526.4	567.4	581.0	627.5	682.4	760.9	876.5	920.1	872.9	907.1	916.3
8 - 14	8 - 14	222.7	206.5	191.5	198.6	221.1	249.0	279.6	318.6	351.2	351.2	339.0
15 & Over	15 - 29	112.7	123.7	113.6	108.9	113.6	128.1	137.1	156.0	100.4	103.0	102.1
	30 - 59	-	-	-	-	-	-	-	-	41.9	45.4	44.8
	60 & Over	-	-	-	-	-	-	-	-	28.8	31.4	34.3
Average Length of Stay (Days)		3.7	3.6	3.5	3.5	3.4	3.4	3.3	3.3	3.9	3.7	3.6

Notes : Exclude arrivals of Malaysians by land.

Refer to visitor arrivals who left Singapore during the period specified.

Source : Singapore Tourist Promotion Board

11.17 VISITOR ARRIVALS, HOTELS AND CESS COLLECTION, 1983-1993

Year	Visitor Arrivals	Tourist Hotels ¹				Cess on Food & Beverages
		Number (At End Year)	Number of Rooms Available	Average Occupancy Rate	Cess Collected	
	Thousand			Per Cent	Thousand Dollars	
1983	2,853.6	48	13,549	75.5	12,936.6	24,232.4
1984	2,991.4	51	14,350	75.5	12,569.3	25,342.1
1985	3,031.0	59	16,172	65.9	10,998.5	23,557.1
1986	3,191.1	60	18,858	64.7	10,224.2	23,154.7
1987	3,678.8	63	21,891	68.7	11,503.4	26,737.0
1988	4,186.1	67	22,612	79.3	14,420.9	31,176.6
1989	4,830.0	63	22,675	86.4	20,408.1	35,586.8
1990	5,322.9	65	22,408	84.0	38,607.4	51,210.4
1991	5,414.7	67	22,700	76.7	30,883.3	42,473.9
1992	5,989.9	68	23,342	79.8	37,258.9	53,085.1
1993	6,425.8	70	23,959	83.4	40,483.6	59,957.6

¹ Refer to gazetted hotels.

Source : Singapore Tourist Promotion Board
Customs & Excise Department

11.18 PUBLIC ROADS, 1983-1993

Kilometres

End of Year	Total Public Roads	Paved Roads					Local Roads Unimproved
		Total	Expressways	Major Arterial Roads	Collector Roads	Local Roads Improved	
1983	2,568	2,369	57	387	211	1,714	199
1984	2,597	2,434	57	408	208	1,761	163
1985	2,645	2,507	73	435	202	1,797	138
1986	2,686	2,573	77	458	210	1,828	113
1987	2,760	2,655	83	490	227	1,855	105
1988	2,810	2,725	96	500	238	1,891	85
1989	2,836	2,752	102	512	242	1,896	84
1990	2,882	2,798	104	529	260	1,905	84
1991	2,924	2,840	108	539	282	1,911	84
1992	2,967	2,883	109	554	305	1,915	84
1993	2,989	2,905	112	563	309	1,921	84

Source : Public Works Department

11.19 MOTOR VEHICLE POPULATION, 1983-1993

End of Year	Number							
	Total	Cars ¹	Rental Cars	Taxis	Buses	Goods Vehicles	Motor Cycles & Scooters	Others
1983	476,288	202,092	4,168	10,673	7,985	102,533	141,569	7,268
1984	491,322	217,119	4,159	11,062	8,283	108,631	134,693	7,375
1985	486,760	221,279	4,030	10,941	8,717	107,146	127,564	7,083
1986	473,659	220,566	3,314	10,677	8,638	103,429	120,387	6,648
1987	471,124	222,487	3,081	10,552	8,733	102,643	116,544	7,084
1988	491,808	237,801	3,140	10,473	8,924	106,843	117,570	7,057
1989	520,537	257,371	3,135	10,652	9,126	111,940	120,996	7,317
1990	542,352	271,174	3,343	12,239	9,448	115,536	122,525	8,087
1991	559,304	283,746	3,665	12,705	9,478	118,209	122,410	9,091
1992	557,584	285,500	3,879	13,445	9,658	119,335	116,532	9,235
1993	584,322	303,864	4,141	13,917	9,716	122,739	119,939	10,006

¹ Include private cars and company cars.

Source : Registry of Vehicles

11.20 ROAD CASUALTIES, 1983-1993

Persons

Year	Total		Pedestrians		Pedal Cyclists, Trishaw Riders & Passengers		Motor Cyclists & Passengers		Motor Vehicle Drivers & Passengers		Others	
	Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured
1983	298	10,953	115	1,965	33	424	100	4,752	49	3,710	1	102
1984	327	11,529	114	2,002	26	408	116	4,698	69	4,259	2	162
1985	265	9,506	75	1,513	28	419	84	3,899	76	3,606	2	69
1986	251	8,124	69	1,224	18	352	115	3,445	46	3,006	3	97
1987	205	8,056	73	1,149	16	291	86	3,571	29	2,959	1	86
1988	226	6,739	81	1,135	14	285	101	3,093	26	2,149	4	77
1989	232	6,726	64	1,004	11	257	110	3,251	45	2,146	2	68
1990	236	6,667	88	1,039	16	249	89	3,114	42	2,198	1	67
1991	243	6,591	69	912	18	258	112	3,105	41	2,241	3	75
1992	240	7,190	65	995	18	263	103	3,502	48	2,327	6	103
1993	258	7,636	61	930	19	265	123	3,840	52	2,503	3	98

Source : Police Department

11.21 VEHICLES INVOLVED IN ROAD ACCIDENTS BY TYPE OF VEHICLE, 1983-1993

Number

Year	Total	Pedal Cycle	Motor Cycle	Motor Car	Light Goods Vehicle	Heavy Goods Vehicle ¹	Bus	Others
1983	13,740	473	4,791	4,807	1,470	1,119	944	136
1984	14,914	449	4,704	5,546	1,557	1,312	1,125	221
1985	12,143	463	3,761	4,500	1,249	1,034	983	153
1986	10,374	387	3,306	3,873	1,040	936	704	128
1987	10,166	317	3,390	3,911	968	855	628	97
1988	8,755	301	3,013	3,238	857	673	548	125
1989	8,928	274	3,090	3,431	765	767	485	116
1990	8,967	280	2,969	3,615	729	715	508	151
1991	8,666	285	2,922	3,524	670	755	412	98
1992	9,171	289	3,180	3,666	672	815	467	82
1993	9,679	287	3,462	3,823	655	901	450	101

¹ Include lorries, tipper and trailers only.

Source : Police Department

11.22 POSTAL ARTICLES HANDLED, 1983-1993

Thousand

Year	Total	Ordinary Mail			Registered Mail	Parcel Mail	Local Urgent Mail	Express Mail	Speedpost Mail
		Domestic	Surface	Air					
1983	562,141	372,055	40,048	127,657	18,785	1,784	427	1,249	136
1984	615,448	412,512	40,900	138,196	20,182	1,736	529	1,216	177
1985	627,991	435,062	43,444	125,251	20,449	1,628	598	1,326	233
1986	642,110	454,600	45,900	119,000	19,000	1,530	580	1,220	280
1987	685,220	496,241	48,622	118,074	18,761	1,394	639	1,153	336
1988	743,274	554,841	51,427	114,284	19,349	1,280	617	1,046	430
1989	815,697	621,680	48,879	121,690	19,988	1,231	566	1,067	596
1990	869,760	680,405	41,102	123,519	21,174	1,171	609	1,012	768
1991	931,398	721,310	49,435	136,408	20,352	1,333	692	948	920
1992	989,617	787,573	31,539	146,094	20,326	1,347	803	850	1,085
1993	1,116,585	905,278	30,388	159,176	17,565	1,295	889	714	1,280

Source : Singapore Post

11.23 TELECOMMUNICATIONS, 1983-1993

Thousand

Year	Outgoing Telegrams		Outgoing Telex Calls		International Telephone Calls ¹	Total Number of Telephone Lines Installed ²
	Peninsular Malaysia	Other Countries	Peninsular Malaysia	Other Countries		
1983	36	378	1,273	12,620	9,673	679
1984	43	336	1,528	14,140	12,643	742
1985	34	273	1,561	14,682	15,725	796
1986	35	266	1,635	14,861	21,611	830
1987	35	238	1,530	14,496	30,797	875
1988	27	240	1,262	12,371	43,672	924
1989	18	222	1,025	10,394	58,653	981
1990	18	203	889	8,645	73,888	1,040
1991	16	189	762	7,046	88,438	1,080
1992	15	164	590	5,680	105,246	1,153
1993	14	150	554	4,624	123,368	1,227

1 Exclude calls to Peninsular Malaysia.

Source : Singapore Telecom

2 End of Period.

CHART 12

SEA CARGO HANDLED, 1983-1993

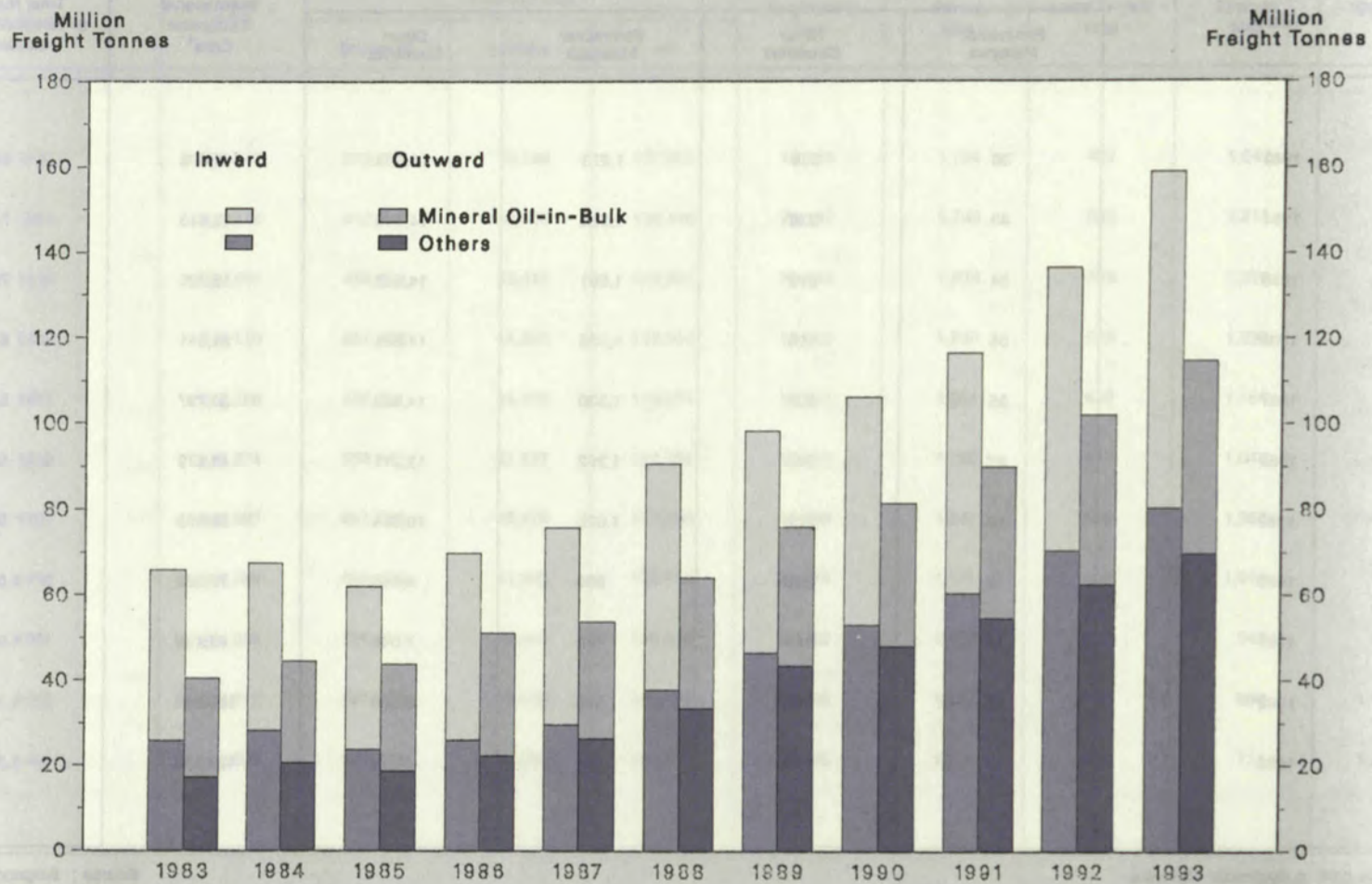


CHART 13

AIR CARGO HANDLED, 1983-1993

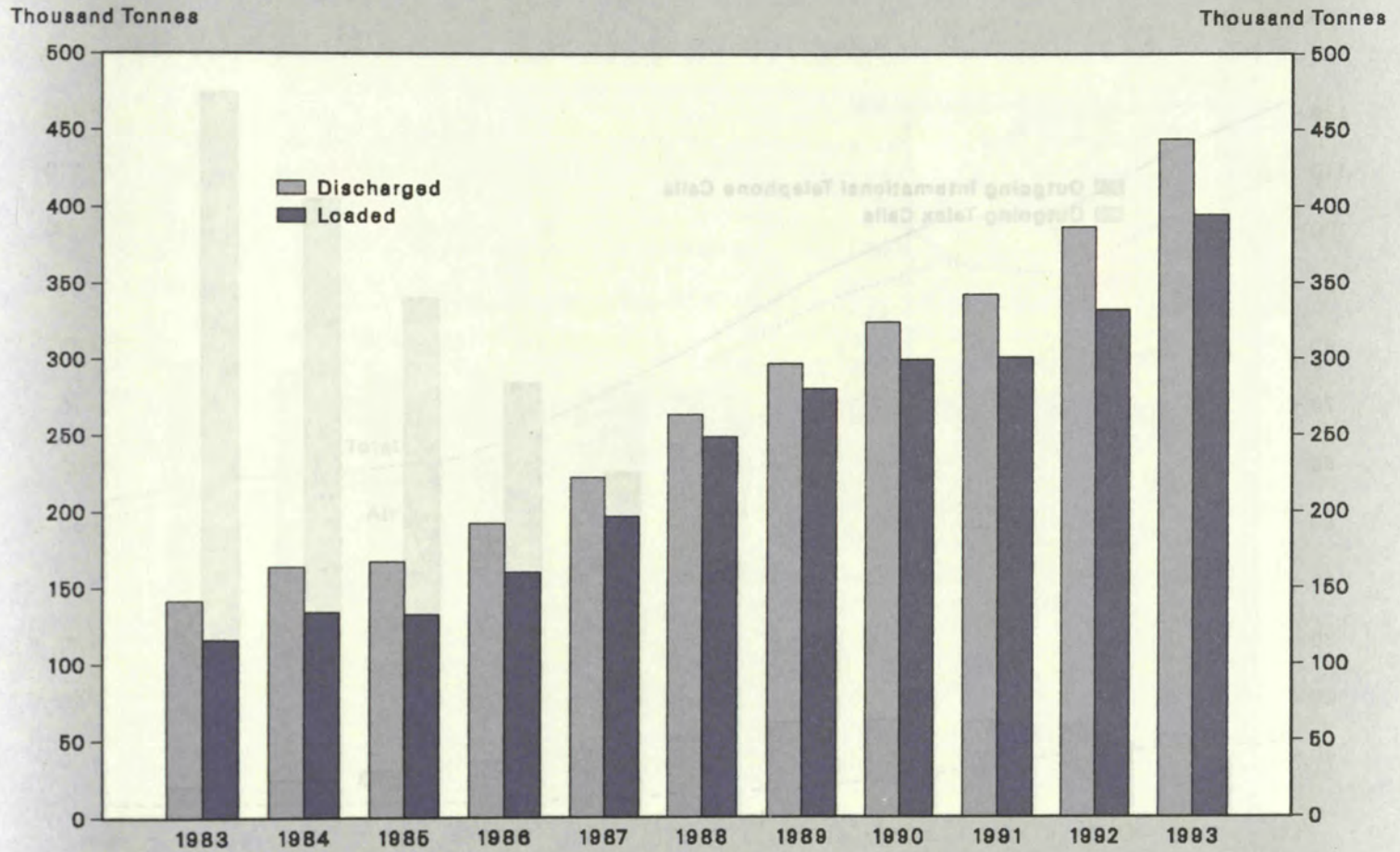


CHART 14

TELECOMMUNICATIONS, 1983-1993

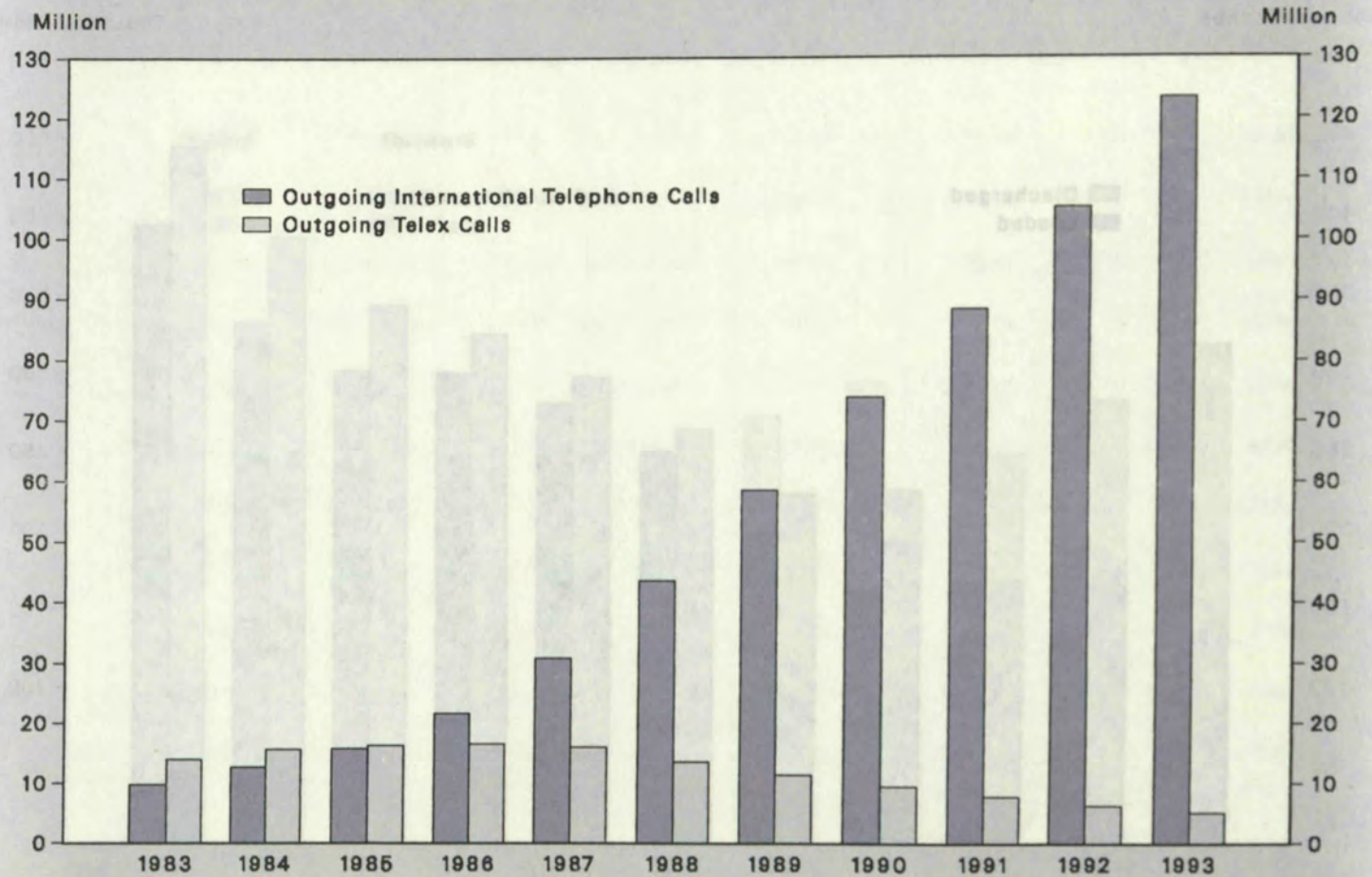


CHART 15

VISITOR ARRIVALS BY AIR AND SEA, 1983-1993

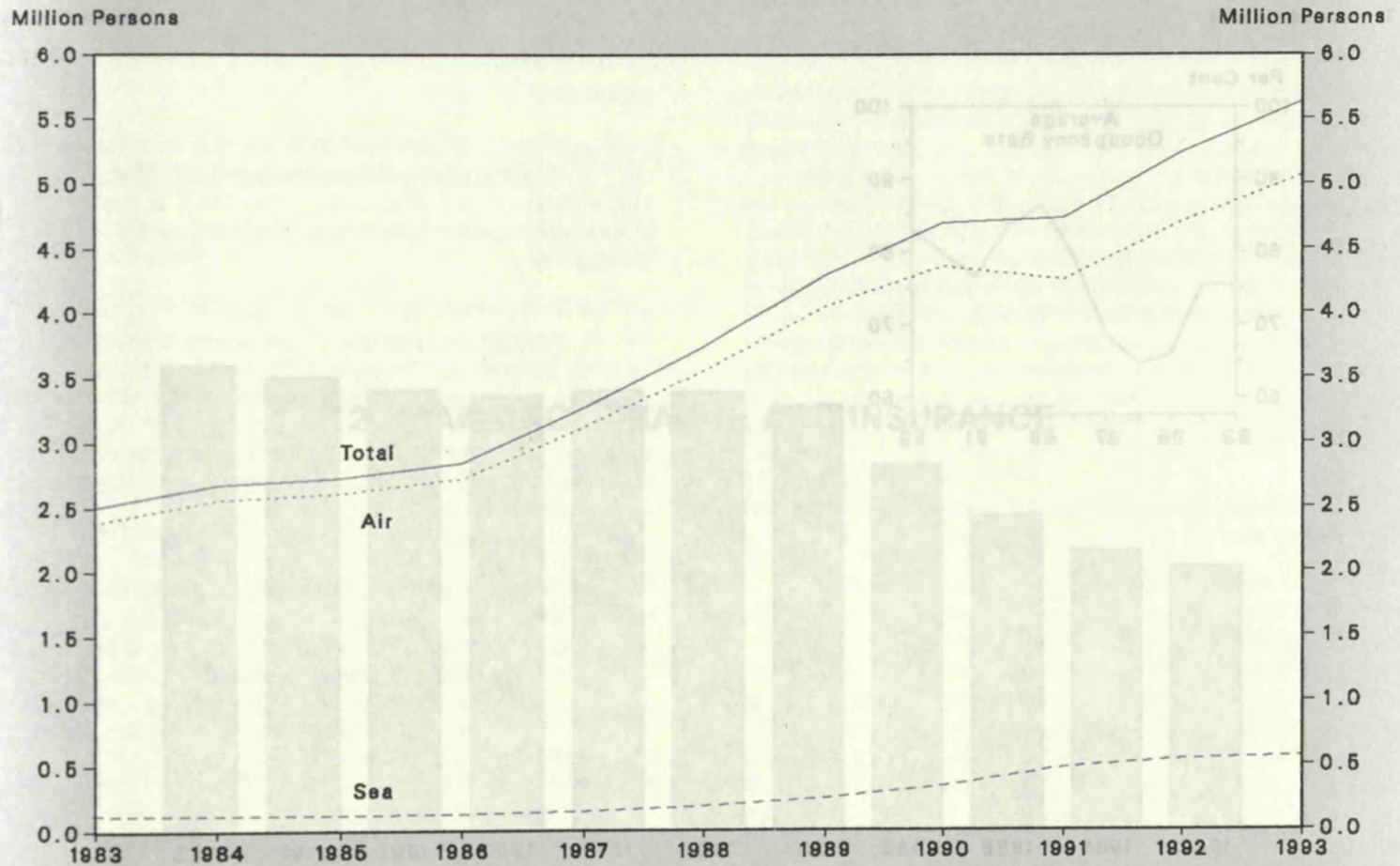
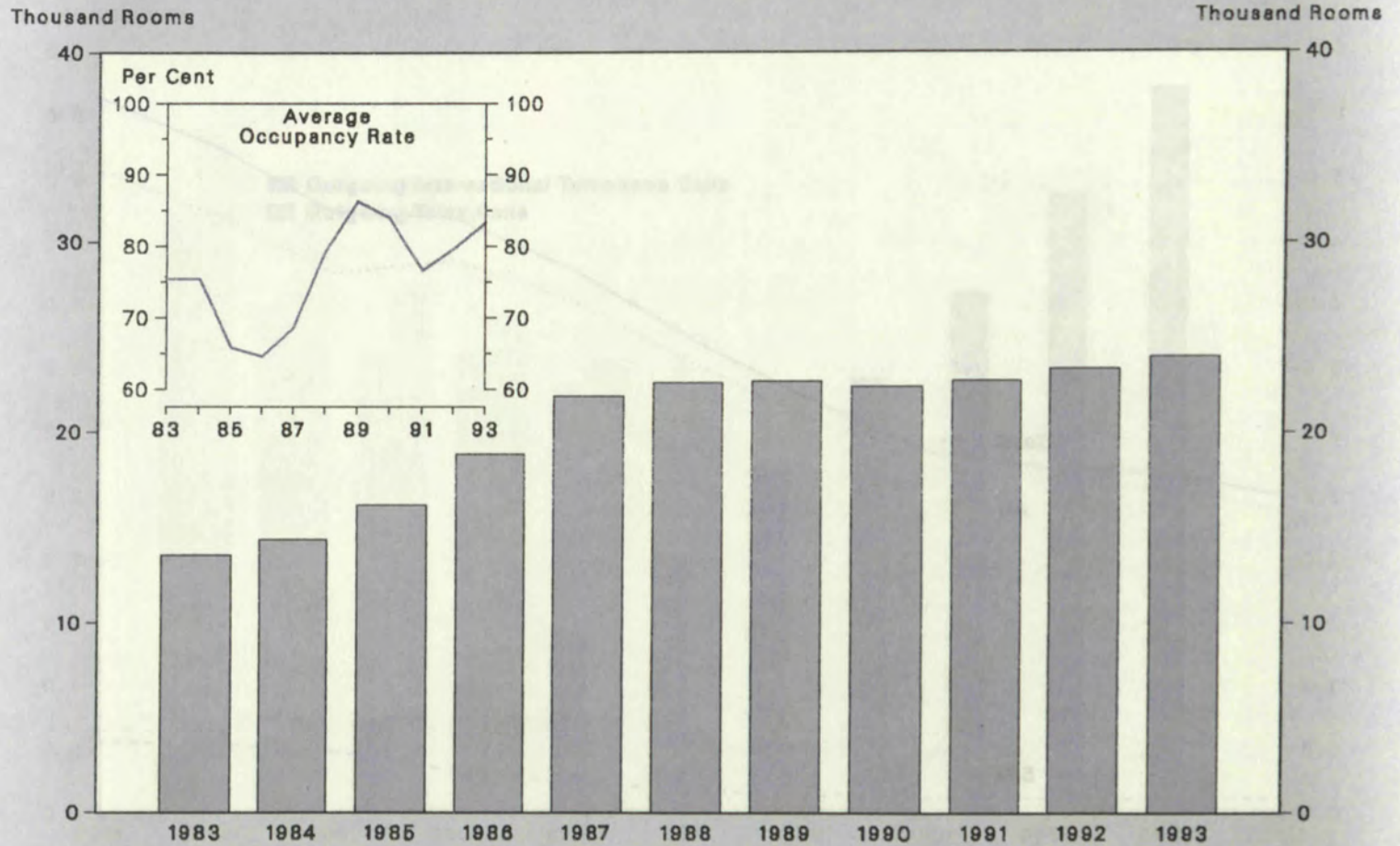


CHART 16

HOTEL ROOMS AND OCCUPANCY RATE, 1983-1993



regarding the kind of insurance cover provided by the insurance companies. The MAS is responsible for supervising and regulating the insurance industry in Singapore.

The insurance industry is regulated by the Insurance Act (Cap. 142). The MAS is responsible for supervising and regulating the insurance industry in Singapore.

will be discussed in the following sections. The MAS is responsible for supervising and regulating the insurance industry in Singapore. The MAS is responsible for supervising and regulating the insurance industry in Singapore.

Data on insurance is collected by the MAS from returns submitted by all insurance companies in Singapore. The MAS also publishes the Annual Report of the Insurance Commissioner which contains a write-up on the performance of the insurance industry during the year, together with detailed statistics. The report is usually available around July of the following year. The MAS is responsible for supervising and regulating the insurance industry in Singapore.

More statistics on banking, finance and insurance may also be found in the 'Monthly Statistical Bulletin' published by MAS.

12. BANKING, FINANCE AND INSURANCE

board. A selected number of companies are invited to participate in the MAS's various schemes. The MAS is responsible for supervising and regulating the insurance industry in Singapore. The MAS is responsible for supervising and regulating the insurance industry in Singapore.

Banking and finance company statistics are compiled from monthly returns submitted to the MAS.

Special Drawing Rights (SDR) is a unit of account used by the International Monetary Fund (IMF) and is based on a basket of five major world currencies. The MAS is responsible for supervising and regulating the insurance industry in Singapore. The MAS is responsible for supervising and regulating the insurance industry in Singapore.

12 BANKING, FINANCE AND INSURANCE

Before 1971, the various monetary functions normally associated with a central bank were performed by several government departments and agencies. To centralize these functions, the Monetary Authority of Singapore (MAS) was established in 1971 to assume the central bank role except for the currency issuing function which remained the responsibility of the Board of Commissioners of Currency. The MAS conducts monetary and exchange rate policies appropriate for steady and non-inflationary economic growth in Singapore. It administers the statutes pertaining to money and banking and formulates policies for the development of a sound banking system and an orderly financial market. It aims to develop Singapore into an international financial centre.

Banking and finance company statistics are compiled from monthly returns submitted to the MAS.

Asian Dollar Market

The Asian Dollar Market was officially established in October 1968 when approval was first given for a bank to operate an Asian Currency Unit (ACU). Since then, merchant banks have also been allowed to operate ACUs. There are now a total of 197 ACUs in operation. Data on ACUs are compiled from returns submitted regularly by the ACU operators to the MAS.

Insurance

The Insurance industry is regulated by the MAS under the Insurance Act (Cap 142). The MAS is responsible for supervising and developing the insurance industry in Singapore.

Insurance business in Singapore comprises life and general insurance. The general insurance business covers a wide range of risks such as fire, marine and aviation, motor, workmen's compensation, public liability and personal accident. The main types of insurance plans offered by life insurers are whole life insurance, endowment insurance, term insurance and annuity contracts.

Data on insurance are compiled by the MAS from returns submitted by all insurance companies in Singapore. The MAS also publishes the Annual Report of the Insurance Commissioner which contains a write-up on the performance of the insurance industry during the year, together with detailed statistics. The report is usually available around July of the following year.

More statistics on banking, finance and insurance may also be found in the "Monthly Statistical Bulletin" published by MAS.

Post Office Savings Bank

The Post Office Savings Bank of Singapore (POSBank) was incorporated under the Post Office Savings Bank of Singapore Act (Chapter 237). The principal functions of the Bank are:

- (a) to carry on the general business of a savings bank and promote saving and encourage thrift; and
- (b) to mobilise domestic savings for the purpose of public development.

Savings in POSBank are fully guaranteed by the government. Interest earned on savings accounts is tax-exempt. POSBank offers Passbook and Passcard Savings accounts, Save-As-You-Earn (SAYE) and Current accounts. The deposit base at the end of each year includes interest credited.

Central Provident Fund

Please see text on page 50.

Definitions

Money Supply : Refers to the amount of money in an economy. Narrowly defined, money supply (M1) consists of

currency in active circulation and demand deposits. A broad definition of money supply (M2), comprises money supply (M1) and quasi money. The latter includes fixed, savings and other deposits with banks as well as negotiable certificates of deposit in Singapore dollar issued by Singapore banks. Money supply (M3) consists of M2 and net deposits with non-bank financial institutions.

Asian Currency Unit (ACU) : Refers to an operational entity of a financial institution which has been granted approval by the MAS to participate in the Asian Dollar Market in Singapore. The ACU is essentially a separate accounting unit of a financial institution set up for its transactions in the Asian Dollar Market.

Official Foreign Reserves : Refers to the gold and foreign exchange, Special Drawing Rights and Singapore's reserve position in the IMF.

Special Drawing Rights (SDR) : Refers to an international reserve asset created by the International Monetary Fund (IMF) and allocated to its members in proportion to their quotas as a supplement to existing reserve assets. The SDR is a unit of account of the IMF. The valuation of the SDR is determined on the basis of a basket of five currencies: the US Dollar, the Deutschemmark, the French Franc, the Japanese Yen and the Pound Sterling.

12.1 CURRENCY IN CIRCULATION, 1983-1993

End of Year	Gross Circulation			Active Circulation ¹	Ratio of Active to Gross Circulation
	Total	Notes	Coins		
	Million Dollars				Per Cent
1983	4,739.7	4,492.7	247.0	4,335.3	91.5
1984	5,033.4	4,767.5	265.9	4,619.2	91.8
1985	5,149.1	4,871.0	278.1	4,739.0	92.0
1986	5,484.2	5,188.6	295.6	5,033.4	91.8
1987	5,885.7	5,561.5	324.2	5,439.8	92.4
1988	6,702.2	6,323.1	379.1	5,996.7	89.5
1989	7,138.0	6,735.6	402.4	6,610.0	92.6
1990	7,711.8	7,222.3	489.5	7,108.5	92.2
1991	8,168.7	7,645.7	523.0	7,497.1	91.8
1992	8,971.0	8,411.2	559.8	8,279.2	92.3
1993	9,674.7	9,073.3	601.4	8,942.1	92.4

¹ Refer to gross circulation less amounts held by Government Treasuries and Banks as well as commemorative coins issued by the Board of Commissioners of Currency, Singapore.

Source : Board of Commissioners of Currency, Singapore

12.2 MONEY SUPPLY, 1983-1993

Million Dollars

End of Period	Money Supply (M3)										
	Total	Net Deposits with Non-bank Financial Institutions ¹		Money Supply (M2)							
				Total	Quasi Money				Money Supply (M1)		
		Finance Companies	Post Office Savings Bank		Total	Fixed Deposits	S\$ Negotiable Certificate of Deposits	Savings and Other Deposits	Total	Currency in Active Circulation ²	Demand Deposits of Private Sector
	(1) [(2) + (3) + (4)]	(2)	(3)	(4) [(5) + (9)]	(5) [(6) + (7) + (8)]	(6)	(7)	(8)	(9) [(10) + (11)]	(10)	(11)
1983	33,742.9	4,188.8	4,028.4	25,525.7	16,918.0	12,930.0	203.6	3,784.4	8,607.7	4,335.3	4,272.4
1984	36,053.0	4,813.6	4,118.6	27,120.8	18,254.5	13,704.4	33.0	4,517.1	8,866.3	4,619.2	4,247.1
1985	37,028.5	4,359.3	4,521.5	28,147.7	19,362.7	13,789.2	24.7	5,548.8	8,785.0	4,739.0	4,046.0
1986	40,184.8	4,060.4	5,169.5	30,954.9	21,133.6	13,846.9	391.4	6,895.3	9,821.3	5,033.4	4,787.9
1987	47,147.9	4,490.5	5,568.2	37,089.2	26,058.7	17,407.3	761.2	7,890.2	11,030.5	5,439.8	5,590.7
1988	52,823.5	5,092.9	5,643.0	42,087.6	30,129.9	20,898.1	846.8	8,385.0	11,957.7	5,996.7	5,961.0
1989	64,007.8	6,709.2	5,753.1	51,545.5	37,800.9	27,207.8	1,138.7	9,454.4	13,744.6	6,609.9	7,134.7
1990	75,792.4	7,419.4	6,527.9	61,845.1	46,584.2	35,965.9	1,160.3	9,458.0	15,260.9	7,108.5	8,152.4
1991	84,199.7	7,557.3	7,100.1	69,542.3	53,112.3	40,852.0	921.8	11,338.5	16,430.0	7,497.1	8,932.9
1992	91,082.1	8,060.9	7,292.7	75,728.5	57,212.9	43,176.4	741.1	13,295.4	18,515.6	8,279.2	10,236.4
1993	100,969.4	9,301.3	9,537.8	82,130.3	59,248.1	40,321.0	835.4	18,091.7	22,882.2	8,942.1	13,940.1

Source : The Monetary Authority of Singapore

¹ Refer to deposits of finance companies and the Post Office Savings Bank less their deposits with banks and discount houses which have been included in M2. Discount houses ceased operations in May 1987.

² Exclude commemorative, numismatic and bullion coins issued by the Board of Commissioners of Currency, Singapore and cash held by commercial banks and other financial institutions.

12.3 CHANGES IN MONEY SUPPLY AND UNDERLYING FACTORS, 1983-1993 (Changes During Year)

Million Dollars

Year	Money Supply (M1)	Private Sector			Public Sector			Net Foreign Assets of Banking System		Others
		Bank Credit to Private Sector	Quasi Money	Excess of Lending or of Deposits (-)	Bank Credit to Government	Government Deposits with Banks	Excess of Lending or of Deposits (-)	Monetary Authorities ¹	Banks	
1983	450.9	5,356.5	2,270.8	3,085.7	559.6	5,021.5	-4,461.9	3,793.9	-2,826.0	859.2
1984	258.6	3,026.6	1,336.5	1,690.1	247.9	4,447.1	-4,199.2	2,889.3	-1,600.2	1,478.6
1985	-81.3	189.0	1,108.2	-919.2	267.3	3,350.4	-3,083.1	2,088.8	1,017.9	814.3
1986	1,036.3	-1,303.4	1,770.9	-3,074.3	-44.1	-1,685.0	1,640.9	691.9	3,788.5	-2,010.7
1987	1,209.2	2,208.2	4,925.1	-2,716.9	1,310.7	461.3	849.4	945.1	1,810.2	321.4
1988	927.2	4,095.2	4,071.2	24.0	125.6	4,776.7	-4,651.1	1,628.8	1,995.3	1,930.2
1989	1,786.9	7,967.3	7,671.0	296.3	1,414.0	7,573.4	-6,159.4	2,981.9	2,618.6	2,049.5
1990	1,516.3	7,040.6	8,783.3	-1,742.7	1,096.5	3,601.4	-2,504.9	7,799.1	-3,045.3	1,010.1
1991	1,169.1	6,928.2	6,528.1	400.1	1,842.2	3,034.0	-1,191.8	5,062.3	1,670.8	-4,772.3
1992	2,085.6	6,124.3	4,100.6	2,023.7	1,821.9	5,376.1	-3,554.2	7,514.2	1,172.7	-5,070.8
1993	4,366.6	10,432.3	2,035.2	8,397.1	1,170.6	5,643.6	-4,473.0	9,773.7	-4,391.4	-4,939.8

¹ Refer to the Monetary Authority of Singapore and the Board of Commissioners of Currency, Singapore.

Source : The Monetary Authority of Singapore

12.4 OFFICIAL FOREIGN RESERVES, 1983-1993

Million Dollars

End of Year	Total Foreign Reserves	Special Drawing Rights	Reserve Position in the International Monetary Fund	Gold & Foreign Exchange
1983	19,755.3	150.9	184.9	19,419.5
1984	22,768.0	147.3	186.2	22,434.5
1985	27,070.9	164.9	212.2	26,693.8
1986	28,157.5	195.4	228.8	27,733.3
1987	30,441.7	224.5	240.5	29,976.7
1988	33,276.6	232.7	228.3	32,815.6
1989	38,607.2	247.1	215.5	38,144.6
1990	48,521.3	274.9	212.5	48,033.9
1991	55,802.8	279.1	199.7	55,324.0
1992	65,788.4	203.0	346.4	65,239.0
1993	77,866.8	214.9	361.2	77,290.7

Source : The Monetary Authority of Singapore

12.5 EXCHANGE RATES, 1983-1993

Period	Singapore Dollar Per									
	Ringgit Malaysia	US Dollar	Sterling Pound	Deutsche- Mark	French Franc	100 Japanese Yen	100 Korean Won	100 New Taiwan Dollar	Hong Kong Dollar	Australian Dollar
1983	0.9107	2.1136	3.2061	0.8296	0.2787	0.8903	0.2725	5.2752	0.2926	1.9074
1984	0.9104	2.1331	2.8486	0.7517	0.2448	0.8987	0.2647	5.3879	0.2729	1.8756
1985	0.8864	2.2002	2.8448	0.7520	0.2464	0.9275	0.2531	5.5221	0.2824	1.5428
1986	0.8441	2.1774	3.1958	1.0074	0.3151	1.3010	0.2472	5.7584	0.2790	1.4609
1987	0.8362	2.1060	3.4489	1.1727	0.3506	1.4595	0.2561	6.6354	0.2700	1.4758
1988	0.7691	2.0124	3.5837	1.1488	0.3388	1.5713	0.2750	7.0387	0.2578	1.5775
1989	0.7203	1.9503	3.1983	1.0391	0.3062	1.4173	0.2905	7.3890	0.2500	1.5445
1990	0.6702	1.8125	3.2262	1.1223	0.3331	1.2548	0.2563	6.7432	0.2327	1.4157
1991	0.6283	1.7276	3.0559	1.0449	0.3073	1.2843	0.2357	6.4415	0.2223	1.3454
1992	0.6398	1.6290	2.8762	1.0451	0.3083	1.2869	0.2087	6.4724	0.2104	1.1978
1993	0.6277	1.6158	2.4271	0.9781	0.2858	1.4568	0.2014	6.1279	0.2089	1.0983

Note : Figures refer to the average rates for the year.

Source : The Monetary Authority of Singapore

12.6 ASSETS OF BANKS, 1983-1993 (End of Period)

Million Dollars

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Total	56,537.8	65,707.2	70,618.0	76,833.3	86,483.6	96,441.2	127,201.7	134,002.0	136,093.4	153,302.4	170,250.4
Cash	275.4	291.4	303.5	334.2	328.4	568.3	401.3	471.2	532.9	543.1	578.3
Amounts Due from Banks	11,904.5	17,087.8	20,768.4	28,000.6	33,853.2	38,148.1	57,238.3	55,205.7	47,683.7	57,724.2	62,516.6
In Singapore	3,699.2	4,088.4	5,341.5	6,694.3	9,270.5	8,832.6	15,165.8	18,438.4	12,058.4	11,936.4	17,401.5
Outside Singapore ¹	8,205.3	12,999.4	15,426.9	21,306.3	24,582.7	29,315.5	42,072.5	36,767.3	35,625.3	45,787.8	45,115.1
Balances with The Monetary Authority of Singapore	1,557.6	1,742.3	1,830.1	1,907.9	2,153.2	2,370.9	3,314.1	3,486.3	4,227.4	4,764.5	5,198.9
Money at Call with Discount Houses ²	2,049.9	2,387.2	2,290.1	2,316.0	-	-	-	-	-	-	-
S\$ Negotiable Certificates of Deposit Held	136.5	133.1	105.0	134.2	135.5	145.8	283.0	296.6	271.7	198.6	180.3
Investments in Securities & Equities	4,390.3	4,378.9	5,073.0	5,449.6	8,525.3	9,052.6	10,818.3	12,365.7	14,224.9	16,377.1	17,976.0
In Singapore	4,249.9	4,236.7	4,880.4	5,089.1	8,270.6	8,805.4	10,537.6	12,024.1	13,894.2	16,089.2	17,559.8
Outside Singapore	140.4	142.2	192.6	360.4	254.7	247.2	280.7	341.6	330.7	287.9	416.3
Loans & Advances Including Bills Financing	34,045.8	36,867.5	37,403.1	35,792.8	37,868.6	41,848.8	50,785.9	57,696.4	64,009.1	69,138.9	78,454.3
Bills Discounted or Purchased	3,900.4	4,124.8	3,628.1	4,113.1	3,599.6	4,096.9	4,533.4	4,952.0	5,466.0	5,710.3	5,835.8
Payable outside Singapore	1,341.2	1,315.6	1,254.4	1,354.5	1,424.2	1,403.9	1,523.4	1,535.9	1,332.3	1,610.8	1,530.6
Payable in Singapore	2,559.2	2,809.2	2,373.6	2,758.6	2,175.4	2,693.0	3,009.9	3,416.1	4,133.7	4,099.5	4,305.3
Loans & Advances	30,145.4	32,742.7	33,775.0	31,679.8	34,269.0	37,751.9	46,252.5	52,744.4	58,543.0	63,428.6	72,618.4
All Other Assets	2,177.8	2,819.0	2,844.8	2,898.0	3,619.5	4,306.6	4,360.7	4,480.0	5,143.8	4,556.0	5,346.0

Source : The Monetary Authority of Singapore

1 Include Asian Currency Units.

2 Discount houses ceased operations in May 1987.

12.7 LIABILITIES OF BANKS, 1983-1993 (End of Period)

Million Dollars

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Total	56,537.8	65,707.2	70,618.0	76,833.3	86,483.6	96,441.2	127,201.7	134,002.0	136,093.4	153,302.4	170,250.4
Deposits of Non-bank Customers	26,265.5	28,026.3	28,744.5	30,612.6	36,393.0	42,475.3	53,351.1	63,979.7	72,241.1	78,483.2	85,400.8
Demand Deposits	4,982.7	4,856.7	4,700.2	5,422.9	6,657.9	6,636.2	8,019.2	9,169.9	10,290.8	11,635.0	15,765.4
Fixed Deposits	17,099.6	18,191.5	17,940.8	17,609.6	21,008.6	26,507.5	34,972.0	44,407.3	49,528.9	52,136.9	49,877.9
Savings Deposits	4,079.9	4,870.1	5,982.8	7,426.1	8,482.0	9,024.7	9,952.2	10,009.8	11,981.1	14,208.8	16,895.3
Other Deposits	103.3	108.0	120.7	154.0	244.6	306.9	407.7	392.6	440.3	502.5	2,862.1
S\$ Negotiable Certificates of Deposit Issued	471.6	300.7	263.6	696.4	896.8	992.6	1,421.7	1,457.0	1,193.4	939.7	1,015.7
Amounts Due to Banks	18,803.7	25,403.9	29,531.0	33,303.9	36,397.5	39,327.6	57,475.1	52,697.1	45,002.1	54,397.4	62,264.7
In Singapore	3,895.1	4,275.2	5,724.1	6,833.5	8,560.4	8,872.9	16,391.9	14,512.3	10,419.7	11,862.8	16,626.7
Outside Singapore ¹	14,908.6	21,128.7	23,807.0	26,470.4	27,837.1	30,454.7	41,083.2	38,184.8	34,582.4	42,534.6	45,638.0
All Other Liabilities	10,997.0	11,976.3	12,078.8	12,220.4	12,796.4	13,645.6	14,953.7	15,868.2	17,656.8	19,482.1	21,569.2

¹ Include Asian Currency Units.

Source : The Monetary Authority of Singapore

12.8 BANKS' LOANS AND ADVANCES TO NON-BANK CUSTOMERS BY INDUSTRY, 1983-1993

(End of Period)

Million Dollars

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Total Loans and Advances including Bills Financing	34,045.8	36,867.5	37,403.1	35,792.8	37,868.6	41,848.8	50,785.9	57,696.4	64,009.1	69,138.9	78,454.3
Agriculture, Mining & Quarrying	132.0	155.0	147.4	101.5	111.2	81.4	78.8	85.6	96.9	86.5	105.5
Manufacturing	5,927.2	5,699.9	5,669.3	4,988.0	6,141.3	6,698.5	7,432.6	7,488.9	8,122.6	8,380.4	8,353.4
Building & Construction ¹	5,704.0	7,349.7	7,997.4	8,001.6	7,669.1	8,010.2	10,903.3	12,864.3	15,578.4	17,911.2	23,105.1
General Commerce	10,633.1	11,128.8	10,105.0	10,330.5	10,728.6	11,591.1	12,385.7	13,686.1	15,694.7	17,188.8	17,740.1
Transport, Storage & Communications	1,818.5	1,529.8	1,183.0	947.8	818.8	771.7	1,080.7	1,736.7	1,816.9	1,939.8	1,837.8
Financial Institutions	4,673.9	5,354.6	5,658.8	4,858.9	5,281.6	6,729.3	8,431.9	9,923.0	10,317.9	11,250.2	13,132.5
Professional & Private Individuals	3,368.3	3,785.7	4,285.9	4,389.6	4,641.5	5,180.3	6,981.4	7,752.3	8,290.2	8,135.5	9,352.8
Others	1,788.7	1,864.2	2,356.3	2,174.9	2,476.5	2,786.3	3,491.4	4,159.4	4,091.5	4,246.5	4,826.9

Note : All data on bills financing include bills refinanced by discount houses and the Monetary Authority of Singapore. Discount houses ceased operations in May 1987.

Source : The Monetary Authority of Singapore

¹ Include building and building co-operative societies, building developers, real estate agents and housing loans.

12.9 ASSETS AND LIABILITIES OF ASIAN CURRENCY UNITS, 1983-1993 (End of Period)

Million US Dollars

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Total Assets	111,860.9	128,054.7	155,374.2	200,601.8	244,868.5	280,477.2	336,581.8	390,395.5	357,725.0	355,378.6	386,103.0
Loans to Non-bank Customers	30,384.6	33,766.1	37,440.3	38,741.8	55,010.8	66,550.7	86,393.5	125,516.0	134,078.2	134,184.1	136,857.3
Inter-bank Funds	74,446.8	85,329.0	104,933.2	146,609.7	171,092.9	194,755.5	228,725.2	239,119.8	197,028.2	194,757.8	214,276.8
In Singapore	2,791.4	3,832.1	4,618.7	4,926.5	5,079.7	5,254.2	7,329.6	8,744.6	8,221.1	9,726.4	12,716.9
Inter-Asian Currency Units	19,690.0	21,862.5	26,991.8	30,603.8	26,055.8	25,800.6	27,565.9	34,440.2	26,626.4	26,740.3	31,713.5
Outside Singapore	51,965.4	59,634.4	73,322.7	111,079.4	139,957.4	163,700.7	193,829.7	195,935.0	162,180.7	158,291.1	169,846.4
Other Assets	7,029.5	8,959.7	13,000.8	15,250.3	18,765.0	19,171.1	21,463.1	25,759.6	26,618.6	26,436.7	34,968.9
Total Liabilities	111,860.9	128,054.7	155,374.2	200,601.8	244,868.5	280,477.2	336,581.8	390,395.5	357,725.0	355,378.6	386,103.0
Deposits of Non-bank Customers	20,619.8	21,523.6	28,018.8	33,804.6	41,575.5	47,453.9	55,019.4	66,885.5	63,499.4	63,612.2	62,669.0
Inter-bank Funds	84,743.4	100,186.5	120,030.1	159,368.9	192,485.3	221,803.6	269,582.1	309,427.1	281,813.4	279,821.3	308,940.1
In Singapore	1,787.7	2,943.2	4,174.2	4,860.9	6,538.7	8,444.2	12,620.3	11,955.8	14,258.8	18,194.7	18,502.5
Inter-Asian Currency Units	19,697.9	21,866.5	26,993.8	30,603.5	26,056.6	25,801.4	27,566.5	34,438.1	26,624.1	26,741.6	31,716.6
Outside Singapore	63,257.8	75,376.8	88,862.1	123,904.5	159,890.0	187,558.0	229,395.3	263,033.2	240,930.5	234,885.0	258,721.1
Other Liabilities	6,497.7	6,344.5	7,325.3	7,428.5	10,807.6	11,219.7	11,980.4	14,082.8	12,412.1	11,945.1	14,493.9

Source : The Monetary Authority of Singapore

12.10 ASSETS AND LIABILITIES OF FINANCE COMPANIES, 1983-1993
(End of Period)

Million Dollars

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Total Assets	6,523.8	7,239.6	6,935.7	6,947.5	7,706.3	8,478.8	10,137.2	11,423.6	12,459.8	13,207.6	14,994.4
Cash	8.5	8.3	10.3	9.0	10.8	11.0	13.9	13.0	12.9	11.7	12.4
Balances with The Monetary Authority of Singapore	267.5	313.9	288.4	286.7	271.1	307.2	407.5	456.5	464.6	493.6	578.7
Deposits with Banks & Other Institutions	678.7	862.9	1,002.6	1,520.4	1,592.4	1,527.9	1,767.0	2,389.3	2,478.7	2,207.1	1,802.3
Investments	139.8	165.2	151.7	153.2	455.8	518.4	562.0	579.0	614.5	702.3	845.5
Loans & Advances	5,277.3	5,727.3	5,313.6	4,742.7	5,160.0	5,908.8	7,180.5	7,765.7	8,666.3	9,563.7	11,516.8
Hire Purchase Finance	904.3	833.2	583.7	420.8	563.0	1,039.7	1,732.0	2,076.8	2,384.1	3,045.9	4,245.7
Housing Loans	1,165.8	1,348.9	1,386.5	1,445.1	1,544.6	1,506.7	1,683.4	1,606.2	1,523.9	1,473.5	1,826.9
Other Loans & Advances	3,207.2	3,545.2	3,343.4	2,876.8	3,052.4	3,362.4	3,765.1	4,082.7	4,758.3	5,044.3	5,444.2
Other Assets	152.0	162.0	169.1	235.4	216.1	205.5	206.3	220.1	222.9	229.3	238.8
Total Liabilities	6,523.8	7,239.6	6,935.7	6,947.5	7,706.3	8,478.8	10,137.2	11,423.6	12,459.8	13,207.6	14,994.4
Capital & Reserves	1,042.7	1,116.5	1,131.8	1,147.7	1,176.7	1,249.8	1,332.8	1,415.8	1,510.3	1,678.9	1,850.2
Deposits from Individuals & Institutions	4,564.1	5,278.3	5,014.0	4,889.1	5,362.9	5,824.9	7,384.4	8,397.2	8,972.1	9,550.9	10,567.8
Savings Deposits	171.8	209.2	278.8	332.4	325.9	315.0	308.1	273.2	296.2	342.4	350.5
Fixed Deposits	3,979.6	4,655.5	4,306.7	4,240.8	4,609.6	5,031.8	6,507.2	7,719.2	8,323.8	8,685.1	9,729.2
Other Deposits	412.7	413.8	428.5	315.9	427.3	478.1	569.0	404.9	352.1	523.4	488.1
Other Liabilities	917.0	844.8	789.9	910.8	1,166.7	1,404.1	1,420.1	1,610.6	1,977.4	1,977.7	2,576.5

Source : The Monetary Authority of Singapore

12.11 FINANCE COMPANIES' LOANS AND ADVANCES BY INDUSTRY, 1983-1993
(End of Period)

Million Dollars

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Total	2,431.8	2,741.2	2,699.7	2,449.9	2,472.2	2,610.0	2,753.6	2,935.4	3,637.7	3,792.8	4,096.4
Agriculture, Mining & Quarrying	0.6	0.9	1.1	0.9	0.8	0.5	1.4	1.0	3.3	0.6	0.8
Manufacturing	228.7	217.6	223.9	231.1	249.4	236.5	177.7	180.0	229.9	262.5	243.7
Building & Construction	790.8	923.7	898.3	810.1	808.7	852.5	695.2	715.4	861.7	879.6	1,088.1
General Commerce	274.0	269.6	286.6	276.8	273.5	245.4	336.2	369.6	455.9	404.2	395.0
Transport, Storage & Communications	91.8	82.6	58.2	44.1	39.2	49.9	99.3	145.1	202.5	219.3	272.3
Financial Institutions	231.5	377.7	330.4	262.4	229.9	293.2	437.9	502.1	595.2	700.6	597.8
Professional & Private Individuals	622.4	682.4	715.2	648.4	646.5	669.8	761.5	736.2	938.4	980.8	1,180.3
Others	192.0	186.7	186.0	176.0	224.0	262.2	244.4	286.0	350.8	345.2	318.3

Source : The Monetary Authority of Singapore

12.12 ASSETS AND LIABILITIES OF MERCHANT BANKS, 1983-1993
(End of Period)

Million Dollars

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Total Assets	23,625.0	25,844.9	28,207.0	31,581.4	32,119.5	36,925.1	34,048.0	32,336.0	30,022.5	36,786.7	42,205.3
Amounts Due from Banks	9,399.7	9,303.9	9,768.7	11,084.6	12,067.2	14,670.2	13,057.6	12,920.6	11,573.2	11,343.3	15,828.2
In Singapore	218.5	189.4	332.1	370.7	472.6	491.4	523.6	664.0	682.2	616.8	609.0
Outside Singapore ¹	9,181.2	9,114.5	9,436.6	10,713.9	11,594.6	14,178.8	12,534.0	12,256.6	10,891.0	10,726.5	15,219.2
Loans & Advances to Non-bank Customers	12,497.1	13,710.7	12,721.7	13,232.9	12,861.7	12,503.7	11,340.4	11,271.9	10,590.8	15,691.2	11,545.8
Securities & Equities	1,209.8	2,056.6	4,989.0	6,405.9	5,914.1	8,250.3	8,368.2	7,173.1	7,029.4	9,045.7	13,547.4
Other Assets	518.5	773.6	727.7	857.9	1,276.5	1,501.0	1,281.8	970.4	829.1	706.4	1,283.9
Total Liabilities	23,625.0	25,844.9	28,207.0	31,581.4	32,119.5	36,925.1	34,048.0	32,336.0	30,022.5	36,786.7	42,205.3
Capital & Reserves	1,620.4	2,412.6	2,956.8	3,868.0	4,574.2	4,809.7	4,459.6	4,662.6	4,781.9	4,777.7	5,777.4
Amounts Due to Banks	19,065.8	19,872.5	20,638.0	21,363.0	19,461.9	21,565.0	20,841.6	19,229.5	18,039.7	19,286.3	27,473.3
In Singapore	581.5	750.2	709.3	483.6	678.4	710.6	895.7	543.7	565.6	499.7	471.2
Outside Singapore ¹	18,484.3	19,122.3	19,928.7	20,879.4	18,783.5	20,854.4	19,945.9	18,685.8	17,474.1	18,786.6	27,002.1
Borrowings from Non-bank Customers	2,369.4	2,720.5	3,801.2	5,170.5	6,221.9	7,481.5	6,567.8	6,845.9	5,956.4	11,099.4	6,711.3
Other Liabilities	569.4	839.3	811.0	1,179.9	1,861.5	3,069.0	2,179.0	1,598.1	1,244.5	1,623.3	2,243.4

Notes : Data include operations of Asian Currency Units of merchant banks.
Provision of corporate financial advisory services, underwriting
and operations in the gold market are not reflected in the data.

Source : The Monetary Authority of Singapore

1 Include Asian Currency Units.

12.13 DOMESTIC INTEREST RATES, 1983-1993
(End of Period)

Per Cent Per Annum

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Banks¹											
Prime Lending Rate	8.98	9.40	7.20	6.10	6.10	6.13	6.25	7.73	7.10	5.55	5.34
Deposit Rates											
3 Months	6.53	6.00	4.58	2.88	2.90	2.95	3.35	5.05	3.84	2.46	2.26
6 Months	6.55	6.35	4.70	3.03	3.11	3.33	3.86	5.37	4.13	2.69	2.51
12 Months	6.75	6.80	4.88	3.30	3.56	4.03	4.55	5.48	4.17	2.97	2.79
Savings Deposit Rate	6.30	6.53	5.18	3.08	3.03	2.83	2.98	3.83	3.05	1.79	1.59
Finance Companies											
Deposit Rates ²											
Up to 3 Months	6.90	6.48	4.88	3.19	3.20	3.41	4.15	5.20	4.33	2.55	2.54
12 Months	7.38	7.18	5.30	3.60	3.98	4.48	4.98	5.80	4.65	3.24	3.25
POSBank Savings Deposit Rate for Amounts											
Up to \$100,000	6.50	6.75	5.25	3.25	3.25	3.00	3.25	4.50	4.00	2.50	2.25
Exceeding \$100,000	5.50	5.75	4.00	2.25	2.25	2.00	2.25	3.50	3.00	1.75	1.50

1 Refer to the average quoted by 10 leading banks.

2 Refer to the average quoted by 10 leading finance companies.

Source : The Monetary Authority of Singapore
Post Office Savings Bank

12.14 NUMBER OF ACCOUNTS AND DEPOSITS OF POST OFFICE SAVINGS BANK, 1983-1993

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993 ^P
Number of Accounts (End of Period)	2,492,924	2,725,439	2,959,761	3,177,039	3,398,350	3,626,768	3,848,520	4,056,137	4,288,268	4,532,878	4,791,550
Transaction Volume ('000)	27,640	34,922	45,564	59,178	71,586	80,112	92,258	104,090	116,637	135,681	164,391
Net Deposit Inflow (\$ Million)	855.5	704.4	1,437.8	1,052.5	340.9	674.9	624.7	-246.9	1,720.1	2,073.1	1,824.0
Total Deposit Base (\$ Million) (End of Period)	6,240.9	7,333.1	9,192.6	10,637.5	11,281.1	12,261.7	13,210.1	13,387.6	15,645.5	18,126.8	20,310.0

Note : Data refer to Savings Accounts and include Current Accounts from 1984.
Current Accounts was implemented on 16 February 1984.

Source : Post Office Savings Bank

12.15 CONTRIBUTIONS AND WITHDRAWALS OF CENTRAL PROVIDENT FUND, 1983-1993

Million Dollars

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993 ^P
Amount											
Contributed	4,491.0	5,385.2	5,993.4	4,777.9	4,446.8	4,985.1	6,107.5	7,174.2	8,101.4	9,028.2	10,427.0
Withdrawn	1,717.9	3,509.3	3,359.7	3,823.8	4,297.2	4,010.2	3,663.3	3,994.7	4,656.1	5,413.0	10,943.9
Due to Members (End of Period)	19,504.7	22,670.4	26,829.5	28,341.4	30,607.8	32,529.3	36,051.6	40,646.4	46,049.0	51,526.9	52,334.3

Source : Central Provident Fund Board

12.16 WITHDRAWALS OF CENTRAL PROVIDENT FUND BY TYPE, 1983-1993

Year	Total	Approved Housing Schemes				Reached 55 Years of Age ¹		Leaving Singapore & Malaysia Permanently ²		Death		Medisave Scheme	Others ³
		Public Housing		Approved Residential Properties									
	\$Million	No. ⁴	\$Million ⁵	No. ⁴	\$Million ⁵	No.	\$Million	No.	\$Million	No	\$Million		
1983	1,717.9	40,015	726.0	6,298	396.4	26,717	437.8	14,635	104.3	3,509	31.3	-	22.1
1984	3,509.3	81,374	2,153.8	7,095	539.1	31,725	606.0	8,424	96.4	3,171	35.6	17.6	60.8
1985	3,359.8	64,550	1,784.9	7,618	781.5	24,740	506.3	10,085	146.3	3,325	40.5	43.9	56.4
1986	3,823.8	54,387	1,477.5	11,859	1,169.8	35,988	666.3	6,890	156.8	3,415	44.4	104.8	204.2
1987	4,297.2	45,111	1,408.4	12,287	1,239.1	24,399	548.0	5,070	143.9	3,141	48.6	140.5	768.7
1988	4,010.2	59,469	1,859.8	8,670	916.3	24,397	573.5	5,011	151.7	3,813	52.2	169.9	286.8
1989	3,663.3	42,497	1,343.9	12,180	1,071.2	27,349	619.3	5,076	161.5	4,065	54.2	178.2	235.0
1990	3,994.7	33,317	1,252.3	10,082	1,006.8	34,550	803.4	4,838	156.3	3,852	54.1	207.8	514.0
1991	4,656.1	47,526	1,731.2	14,841	1,269.3	32,122	731.6	4,940	157.2	4,599	62.8	231.2	472.8
1992	5,413.0	56,537	2,139.0	18,092	1,475.1	31,924	773.4	4,629	160.6	4,915	73.1	237.5	554.3
1993 ^p	10,943.9	49,477	1,821.8	21,121	1,687.6	49,483	927.9	5,110	178.0	4,802	72.5	250.2	6,005.9

1 Include first and subsequent withdrawals.

Source : Central Provident Fund Board

2 Include Malaysians leaving Singapore permanently.

3 Include withdrawals by persons who are physically/mentally incapacitated and the various CPF schemes - Minimum Sum, MediShield, Home Protection, Dependants' Protection, Education, Non-Residential Properties, Investment and SBS (1978) Ltd shares.
Amount withdrawn in 1993 increased largely because of Singapore Telecom shares offer.

4 Refer only to members who joined the scheme in the year.

5 Refer to net amount withdrawn (gross amount withdrawn less amount refunded) by members in the year.

12.17 TURNOVER OF STOCKS AND SHARES, 1983-1993

Million

Year	Total		Industrial		Finance		Hotels		Properties		Mining		Plantation		Debentures, Loan Stocks & Bonds	
	Units	Dollars	Units	Dollars	Units	Dollars	Units	Dollars	Units	Dollars	Units	Dollars	Units	Dollars	Units	Dollars
1983	3,605.2	11,807.1	2,193.4	7,205.1	340.5	2,108.0	212.6	514.1	317.6	1,033.3	125.3	256.6	170.1	502.5	245.7	187.5
1984	3,042.6	8,211.2	2,101.5	5,628.9	238.9	1,235.7	139.8	309.9	135.7	319.6	150.8	256.5	123.0	357.1	152.9	103.5
1985	3,024.7	6,319.3	2,144.8	4,338.0	286.2	1,227.5	109.1	153.4	159.0	246.5	151.4	105.2	86.2	203.3	88.0	45.4
1986	3,951.4	8,000.5	2,607.5	5,107.0	410.8	1,760.5	178.4	174.6	412.1	614.1	32.1	33.9	123.1	215.6	187.4	94.8
1987	9,757.9	22,478.2	5,384.6	12,510.3	1,131.6	5,262.0	577.1	835.1	1,167.8	2,202.3	140.9	268.7	417.0	804.8	938.9	595.0
1988	7,152.3	12,817.0	3,593.3	7,096.6	530.7	2,177.9	298.3	354.6	1,188.1	1,785.1	119.4	255.9	307.8	642.8	1,114.7	504.1
1989	21,646.0	39,149.9	9,773.4	19,654.5	1,342.0	4,799.3	811.2	1,472.8	4,042.3	7,124.3	189.1	391.1	784.1	1,261.8	4,703.9	4,446.1
1990	18,487.0	36,756.0	8,921.7	19,177.4	2,394.3	6,172.8	882.0	1,583.2	2,966.9	5,978.7	51.0	95.7	1,061.7	1,385.9	2,209.4	2,362.3
1991	15,556.9	30,549.1	6,897.5	16,593.6	1,489.2	5,082.0	670.3	1,299.9	2,502.7	4,198.0	105.3	176.4	507.5	602.6	3,384.4	2,596.6
1992	13,904.3	29,443.9	7,178.1	16,703.9	1,487.1	6,038.5	524.7	973.4	2,360.2	3,577.5	62.3	88.0	440.6	557.1	1,851.3	1,505.5
1993	66,398.2	127,796.9	33,170.9	67,663.9	6,585.0	20,027.6	2,925.9	5,626.5	12,563.5	20,468.1	133.4	277.4	3,509.1	5,823.7	7,510.4	7,909.7

Source : Stock Exchange of Singapore

12.18 STOCK EXCHANGE OF SINGAPORE INDICES, 1983-1993
(1975 = 100)

Year	All Shares	Industrial	Finance	Hotels	Properties
1983	345.8	306.5	353.3	463.4	404.8
1984	335.7	300.9	338.4	392.2	378.6
1985	276.3	236.4	285.4	306.4	343.1
1986	242.6	202.4	272.7	243.1	320.1
1987	330.5	299.3	355.6	355.2	354.2
1988	283.8	251.1	282.5	343.7	326.7
1989	344.3	320.7	317.6	543.7	397.7
1990	388.9	375.7	355.9	564.3	337.6
1991	386.4	381.9	364.9	494.7	305.9
1992	386.2	383.6	369.1	490.6	292.6
1993	476.7	476.6	452.8	540.0	389.4

Note : Data from 1990 are computed based on the share prices of all listed Singapore companies.

Source : Stock Exchange of Singapore

12.19 PLEDGES AT PAWNSHOPS, 1983-1993

Year	Pledges		Amount of Loans	
	Received	Redeemed	Given Out	Redeemed including Interest
	Number		Million Dollars	
1983	1,947,232	1,848,226	451.0	446.5
1984	2,046,769	1,899,551	492.0	489.1
1985	2,177,003	1,959,618	513.8	505.3
1986	2,227,215	2,094,071	534.9	544.4
1987	2,211,369	2,103,051	586.7	584.5
1988	2,250,020	2,107,883	659.4	648.6
1989	2,294,121	2,121,106	679.1	677.0
1990	2,373,031	2,157,726	717.4	701.5
1991	2,465,730	2,220,781	754.6	734.7
1992	2,474,332	2,221,838	762.3	742.1
1993	2,602,199	2,286,913	856.2	801.7

Source : Registry of Pawnbrokers

12.20 LIFE INSURANCE POLICIES, 1982-1992

	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
	Number										
Policies in Force (End of Period)	314,375	359,902	379,880	405,452	463,139	565,032	702,986	870,304	1,055,353	1,262,731	1,537,074
New Policies	70,374	78,212	57,013	63,712	92,819	138,821	181,167	215,755	237,279	263,669	335,490
Policies Matured or Discontinued	27,213	32,685	37,193	38,140	35,132	36,928	43,213	48,437	52,230	56,291	61,147
	Million Dollars										
Policies in Force											
Amount Insured (End of Period)	10,721.0	13,810.3	16,421.8	19,466.9	23,439.8	28,612.3	38,472.5	48,676.9	59,455.1	73,255.7	88,785.7
Premiums	250.4	305.3	332.5	363.5	424.3	538.5	695.3	896.1	1,122.8	1,392.9	1,711.7
New Policies											
Amount Insured	3,302.8	4,193.0	4,001.8	4,786.4	6,070.1	7,903.9	12,819.0	13,335.3	14,975.2	18,638.0	21,357.8
Premiums	70.3	79.0	60.6	67.6	97.7	150.9	200.9	250.1	285.5	333.8	397.2
Policies Matured or Discontinued											
Amount Insured	360.2	1,111.9	1,381.6	1,741.1	2,097.3	2,049.9	2,866.0	3,130.2	4,200.0	4,837.4	5,824.8
Premiums	17.9	28.0	33.5	36.6	36.8	36.7	44.1	49.5	58.9	63.7	78.5

Source : The Monetary Authority of Singapore

12.21 REVENUE AND EXPENDITURE ACCOUNTS OF LIFE INSURANCE FUNDS, 1982-1992

Million Dollars

	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Total Revenue	1,116.3	1,314.4	1,528.4	1,759.3	2,068.5	2,510.7	2,949.2	3,665.0	4,611.0	5,418.0	6,768.8
Balance of Revenue Account at Beginning of Year	776.6	926.9	1,087.7	1,282.6	1,462.9	1,720.7	2,060.3	2,470.3	3,054.2	3,728.3	4,526.5
Premiums	237.0	282.5	299.0	341.4	398.3	515.2	654.1	844.2	1,076.4	1,370.3	2,029.8
Net Interest, Dividends & Rents	69.8	79.2	91.3	101.8	109.9	116.0	145.2	183.3	213.6	245.2	264.4
Miscellaneous	32.9	25.8	50.4	33.5	97.4	158.8	89.6	167.2	266.8	74.2	-51.9
Total Expenditure	1,116.3	1,314.4	1,528.4	1,759.3	2,068.5	2,510.7	2,949.2	3,665.0	4,611.0	5,418.0	6,768.8
Claims on Death, Disability & Maturity	41.4	50.0	57.3	71.0	85.5	99.2	115.6	138.2	183.7	256.2	329.0
Surrenders	23.0	26.3	33.2	49.9	64.3	63.4	60.8	63.7	62.1	74.2	85.3
Cash Bonuses & Annuities	4.8	5.7	5.0	6.0	7.0	7.4	8.8	42.5	53.5	25.2	28.4
Management Expenses											
Commission	64.8	72.4	59.2	63.9	92.4	137.0	181.4	239.6	291.4	324.3	403.1
Salaries	11.9	12.8	15.5	18.9	18.7	21.9	27.2	33.0	43.8	53.7	57.8
Others	24.2	28.3	29.2	31.7	26.2	30.0	22.0	49.6	68.2	94.2	102.2
Miscellaneous	19.2	20.4	46.4	55.0	53.7	89.3	65.2	44.2	180.0	48.5	120.1
Balance of Revenue Account at End of Year	927.0	1,098.5	1,282.6	1,462.9	1,720.7	2,062.5	2,468.2	3,054.2	3,728.3	4,541.7	5,642.9

Source : The Monetary Authority of Singapore

12.22 ASSETS OF LIFE INSURANCE FUNDS, 1982-1992
(End of Period)

Million Dollars

	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Total	998.8	1,196.5	1,384.0	1,576.3	1,851.5	2,238.9	2,689.4	3,298.6	4,099.5	4,935.9	6,287.6
Land & Buildings	52.5	57.7	54.2	51.9	59.6	83.6	96.3	104.6	115.3	130.9	237.4
Loans	205.9	232.3	268.9	314.2	442.9	518.5	678.6	666.0	801.6	963.2	1,073.9
On Mortgages	100.6	108.4	110.7	127.3	240.1	291.9	371.4	323.0	347.5	354.6	432.8
On Policies	87.0	99.1	123.4	153.6	178.9	201.1	216.9	237.8	274.4	332.8	389.8
Others	18.3	24.8	34.8	33.3	23.9	25.5	90.3	105.2	179.7	275.8	251.3
Investments	513.0	620.0	701.7	741.6	935.1	1,139.1	1,320.5	1,703.1	2,053.6	2,686.1	3,904.4
Government & Statutory Authorities	236.1	283.1	354.7	380.0	457.0	518.5	603.2	741.3	842.6	1,064.6	1,423.4
Debentures & Shares ¹	276.9	336.9	347.0	361.6	478.1	620.6	717.3	961.8	1,211.0	1,621.5	2,481.0
Cash & Deposits	180.5	234.8	305.7	403.5	354.5	424.9	503.7	699.5	946.5	956.5	837.5
Miscellaneous (including Outstanding Premiums) ²	46.9	51.7	53.5	65.1	59.4	72.8	90.3	125.4	182.5	199.2	234.4

¹ Include other investments.

Source : The Monetary Authority of Singapore

² Include furniture.

12.23 PREMIUMS AND CLAIMS OF GENERAL INSURANCE FUNDS, 1982-1992

Million Dollars

	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Total Net Premiums¹	431.0	441.0	440.9	433.6	421.4	442.9	508.6	588.8	692.7	750.2	831.2
Marine, Aviation or Transit	70.5	70.7	68.0	65.9	62.9	64.3	76.8	83.6	98.5	104.0	112.5
Others	360.5	370.3	372.9	367.7	358.5	378.6	431.8	505.2	594.2	646.2	718.7
Fire	68.1	69.7	71.3	76.4	72.1	69.4	71.9	77.8	87.8	93.5	99.7
Motor Vehicles	135.5	147.4	158.9	152.1	148.2	165.6	205.5	254.2	297.9	315.8	348.6
Miscellaneous	156.9	153.2	142.7	139.2	138.2	143.6	154.4	173.2	208.5	236.9	270.4
Total Net Claims²	165.6	186.7	195.4	220.6	230.1	218.1	225.2	258.7	302.7	360.9	419.1
Marine, Aviation or Transit	38.6	36.1	27.5	27.9	25.7	25.6	24.4	39.0	44.7	52.6	52.5
Others	127.0	150.6	167.9	192.7	204.5	192.5	200.8	219.7	258.0	308.3	366.6
Fire	17.1	21.7	20.4	20.9	30.1	18.6	22.7	27.7	28.5	36.5	29.7
Motor Vehicles	58.9	71.1	87.2	99.2	99.8	107.6	110.7	122.2	147.7	168.7	207.6
Miscellaneous	51.0	57.8	60.3	72.6	74.6	66.3	67.4	69.8	81.8	103.1	129.3

1 Refer to gross premiums less premiums paid for re-insurance in and out of Singapore.

Source : The Monetary Authority of Singapore

2 Refer to gross claims paid less recoveries from re-insurance placed in and out of Singapore.

12.24 REVENUE AND EXPENDITURE ACCOUNTS OF GENERAL INSURANCE FUNDS, 1982-1992

Million Dollars

	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Total Revenue	958.0	1,077.5	1,126.4	1,166.7	1,236.5	1,361.5	1,507.3	1,724.1	2,032.1	2,237.3	2,542.7
Balance of Revenue Account at Beginning of Year	74.1	88.4	93.0	69.6	95.7	125.3	210.9	249.2	308.5	329.7	425.3
Reserves for Unexpired Risks at Beginning of Year	178.3	197.6	205.3	207.5	199.9	192.3	203.5	228.0	272.5	310.4	325.9
Loss Reserves at Beginning of Year	217.1	265.0	305.2	369.5	420.5	433.9	482.1	542.8	621.3	697.2	754.6
Net Premiums Written	431.0	441.0	440.9	433.6	421.3	442.9	508.6	588.8	692.7	750.2	831.2
Net Interest, Dividends & Rents	46.9	49.6	55.3	54.0	47.4	46.9	52.9	63.5	76.3	82.5	76.0
Miscellaneous	10.6	35.9	26.7	32.5	51.7	120.2	49.3	51.8	60.8	67.3	129.7
Total Expenditure	958.0	1,077.5	1,126.4	1,166.7	1,236.5	1,361.5	1,507.3	1,724.1	2,032.1	2,237.3	2,542.7
Net Claims Settled, Loss Reserves at End of Year	429.8	489.7	567.1	637.6	677.0	695.6	760.5	867.5	1,006.8	1,117.6	1,252.8
Management Expenses											
Commission	76.4	72.5	68.2	71.7	69.4	69.8	79.2	93.3	107.8	115.9	127.2
Others	87.6	98.1	102.9	102.3	110.3	106.9	120.4	136.1	157.4	176.4	201.1
Miscellaneous	76.8	110.8	109.5	57.9	58.1	71.0	68.3	54.0	107.6	73.6	53.6
Balance of Revenue Account at End of Year	90.1	101.3	70.1	97.3	125.3	216.5	251.5	307.3	341.1	428.1	550.4
Reserves for Unexpired Risks at End of Year	197.3	205.1	208.6	199.9	196.4	201.7	227.4	265.9	311.4	325.7	357.6

Source : The Monetary Authority of Singapore

12.25 ASSETS OF GENERAL INSURANCE FUNDS, 1982-1992
(End of Period)

Million Dollars

	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Total	797.7	873.3	907.1	943.3	985.3	1,123.4	1,259.2	1,427.4	1,656.6	1,844.3	2,251.5
Land & Buildings	42.6	42.9	40.7	39.6	35.5	39.4	41.1	49.8	52.2	72.3	107.8
Loans	7.6	11.4	12.1	12.5	13.5	16.3	23.1	16.4	15.1	20.4	15.1
Investments	256.4	290.7	302.4	305.2	369.4	468.5	529.8	637.7	694.6	742.2	860.3
Government & Statutory Authorities	128.5	147.6	166.5	172.2	186.5	214.7	240.6	266.6	291.2	332.3	378.6
Debentures & Shares	127.9	143.1	135.9	133.0	182.9	253.8	289.2	371.1	403.4	409.9	481.7
Cash & Deposits	361.9	394.3	412.7	443.8	429.7	457.6	512.1	555.3	687.4	772.8	923.3
Miscellaneous	129.2	134.0	139.2	142.2	137.2	141.6	153.1	168.2	207.3	236.6	345.0

Source : The Monetary Authority of Singapore

CHART 17

MONEY SUPPLY, 1983-1993 (At End of Period)

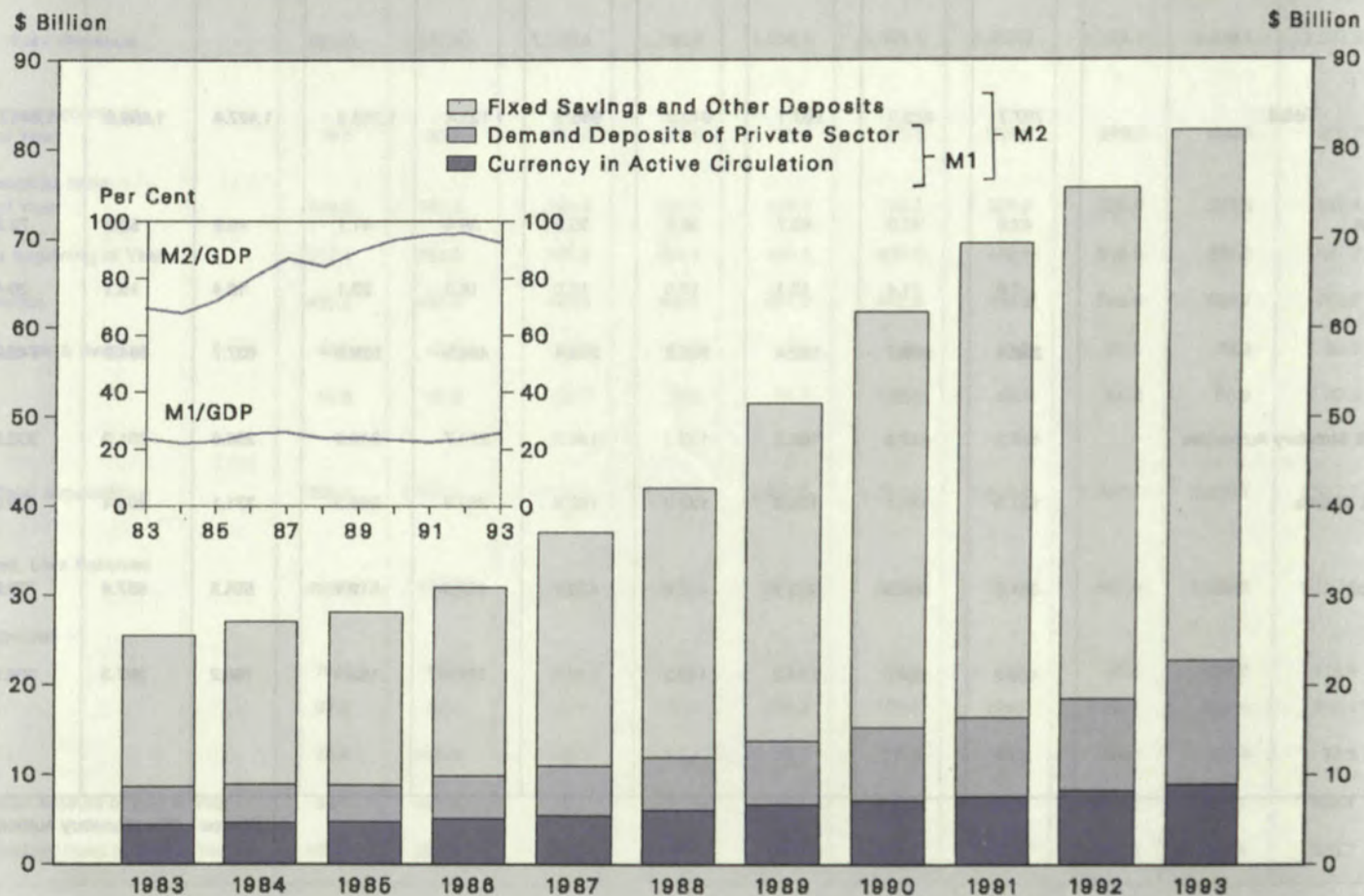


CHART 18

TYPE OF BANK DEPOSITS AND LOANS AND ADVANCES TO INDUSTRIES, 1983-1993
(At End of Period)

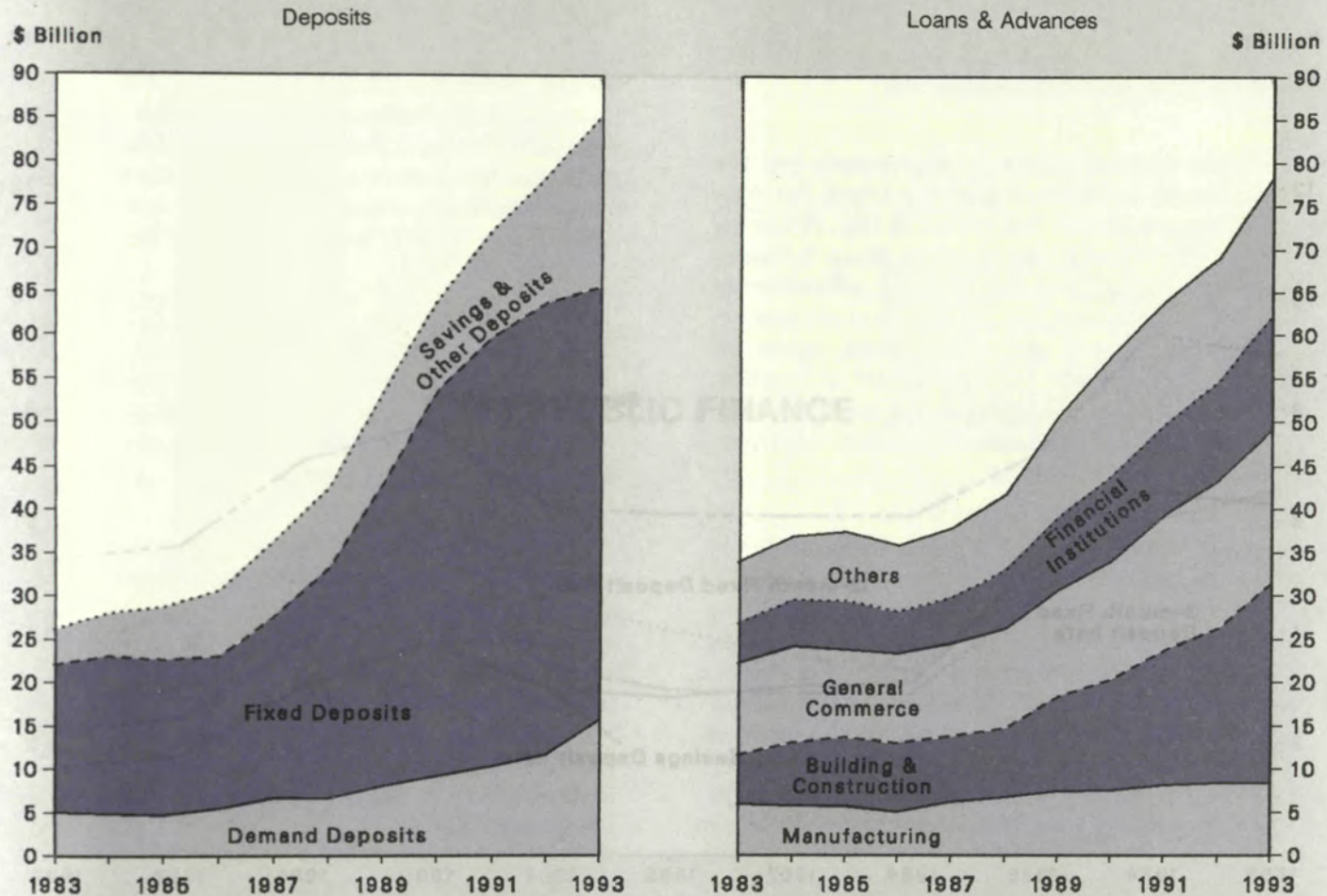
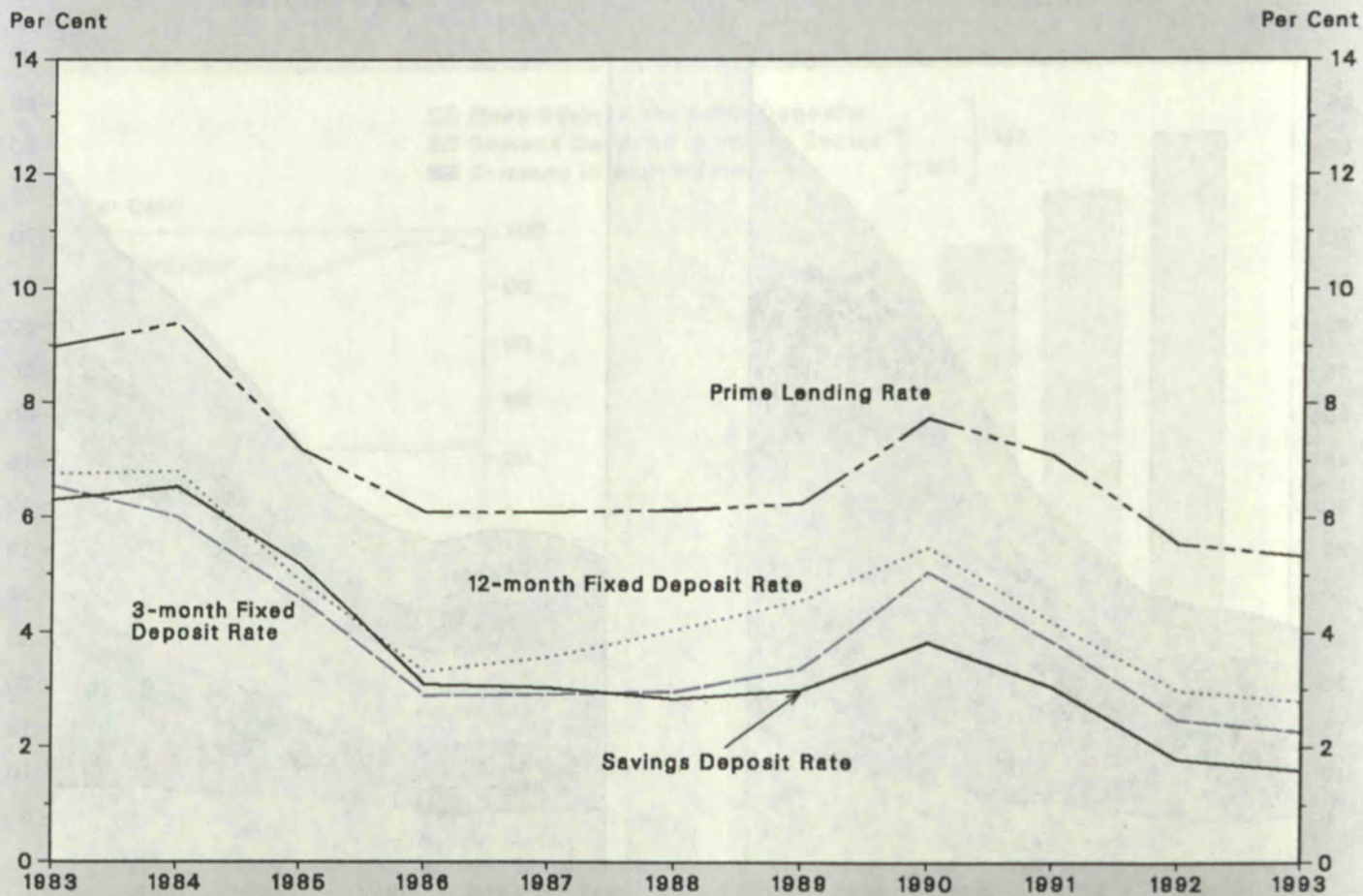


CHART 19

BANK INTEREST RATES, 1983-1993 (At End of Period)



13 PUBLIC FINANCE
 The Government of Singapore has a long history of providing a high level of public services to its citizens. This is reflected in the high level of public expenditure as a percentage of GDP.

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The main revenue collecting departments are the Customs and Excise Department and the Inland Revenue Authority of Singapore (IRAS). The former is responsible for the collection of import and excise duties on liquor, tobacco, petroleum, motor vehicles and film and entertainment duties. The IRAS is responsible for the collection of taxes on income and property, estate and stamp duties, duties on sweeteners and tobacco and the enforcement of Charities Supervision. It also ensures that all duties of all persons, duty-free or fee are properly and correctly assessed, and that all such duties are promptly collected.

The Government of Singapore has a long history of providing a high level of public services to its citizens. This is reflected in the high level of public expenditure as a percentage of GDP. The Government of Singapore has a long history of providing a high level of public services to its citizens. This is reflected in the high level of public expenditure as a percentage of GDP.

Government Revenue and Expenditure

The main revenue collecting departments are the Customs and Excise Department and the Inland Revenue Authority of Singapore (IRAS). The former is responsible for the collection of import and excise duties on liquor, tobacco, petroleum, motor vehicles, and film hire and entertainment duties. The IRAS is responsible for the collection of taxes on income and property, estate and stamp duties, duties on sweepstakes and lotteries and the enforcement of Charities Supervision. It also ensures that liabilities of all persons for tax, duty, levy or fee are speedily and correctly assessed, and that all such dues are promptly collected.

Personal income tax is levied on residents of Singapore at progressive rates on the previous year's chargeable income after the appropriate deductions have been made. For Year of Assessment 1994, the tax rates range from 2.5% to 30% and a rebate of \$700 is given. Deductions include allowances for personal relief, earned income, hospitalisation expenses for a new born fourth child, life insurance premiums, contributions to the Central Provident Fund (CPF) or other approved pension or provident funds, payments to top up an individual's or his parents' retirement account under

the CPF Minimum Sum Scheme, course fees and foreign maid levies. Special rebates are also available for new born second, third and fourth children. Non-resident individuals are not entitled to personal relief and are normally taxed at a flat rate (15 per cent on employment income and for the Year of Assessment 1994, 27 per cent on other income).

The corporate income tax rate is 27 per cent for the Year of Assessment 1994. There are various tax incentives in the form of tax exemptions and concessionary tax rates to promote capital investments, export of services, development of financial and consultancy services, research and development and overseas ventures.

The government has concluded agreements for the avoidance of double taxation with countries which have trading and other interests in Singapore. There are currently agreements in force with 29 countries, namely, Australia, Bangladesh, Belgium, Canada, Denmark, Finland, France, Germany, Indonesia, India, Israel, Italy, Japan, Republic of Korea, Malaysia, Netherlands, New Zealand, Norway, Pakistan, People's Republic of China, Papua New Guinea, Philippines, Poland, Sri Lanka, Sweden, Switzerland, Taiwan, Thailand and the United Kingdom.

Government revenue is credited to and current expenditure paid out of the Consolidated Revenue Account.

Development Fund

The Development Fund is established by the Development Fund Act. This Act defines the purposes and regulations of the Development Fund and also provides for the sums raised under the Development Loan Act to be paid into it.

The Development Fund in the Government Financial Statement covers the period from 1 April of the year to 31 March of the following year. Data are obtained from ministries and captured into the government's accounting system which produces the actual figures for the Development Fund.

The sources of funds for the Development Fund are :

- i) moneys appropriated from time to time from the Consolidated Fund;
- ii) proceeds of any loan raised for the purposes of the fund and appropriated to such purposes by the law raising the loan;

iii) interest on investments of the fund and profits arising from the realization of any such investments; and

iv) receipts of re-payments of any loans made from the fund, or of interest on such loans.

The Fund may be used for :

- i) construction, improvement, acquisition or replacement of capital assets (eg buildings, vehicles, aircraft, machinery, rolling-stock, roads) required in respect of or in connection with the economic development or general welfare of Singapore;
- ii) acquisition of land and of any right or interest in or over land and in respect of the use of any invention; and
- iii) grants and loans to, or investments in any public authority or corporation.

13.1 GOVERNMENT OPERATING REVENUE, 1989-1993

Million Dollars

	1989	1990	1991	1992	1993 ^P
Total ¹	11,547.0	13,102.2	14,851.6	17,218.4	19,527.2
Tax Revenue	9,606.4	10,534.0	12,017.0	13,758.8	15,453.7
Income Tax	4,388.6	4,908.2	6,062.9	6,863.2	7,190.1
Corporate & Personal Income Tax	3,618.8	4,396.0	5,346.4	6,142.1	6,748.9
Contributions by Statutory Boards	769.8	512.2	716.5	721.1	441.2
Assets Taxes	939.3	1,111.4	1,295.6	1,465.4	1,676.4
Taxes on Motor Vehicles ²	1,458.5	1,337.5	1,164.3	1,502.9	1,884.6
Customs & Excise Duties	1,261.7	1,305.5	1,370.2	1,525.8	1,667.5
Betting Taxes	409.7	521.6	587.7	694.9	823.4
Stamp Duty	708.4	654.8	589.0	603.6	983.3
Others	440.2	695.0	947.3	1,103.0	1,228.4
Fees & Charges	959.4	1,498.7	1,644.7	2,209.7	3,017.9
Other Receipts ³	981.2	1,069.5	1,189.9	1,249.9	1,055.6

Source : Ministry of Finance

- 1 Operating revenue refers to receipts credited to the Consolidated Revenue Account, Development Fund Account and Sinking Fund Account, but excludes Investment Income and Capital Receipts.
- 2 Taxes on Motor Vehicles comprise additional registration fees, road tax, special tax on heavy-oil engine, passenger vehicle seating fees and non-motor vehicle licences, but exclude import duties on motor vehicles which are classified under Customs and Excise Duties.
- 3 Other receipts exclude repayment of direct loans and advances but include interest on Loans previously classified under Investment Income.

13.2 GOVERNMENT OPERATING EXPENDITURE, 1989-1993

Million Dollars

	1989	1990	1991	1992	1993 ^P
Total¹	6,105.8	7,061.6	7,813.4	8,485.6	9,144.0
Security	2,833.2	3,405.4	3,790.1	3,866.3	4,405.4
Social & Community Services	2,343.6	2,604.2	2,833.9	3,458.5	3,388.0
Education	1,595.2	1,742.3	1,892.7	2,461.5	2,171.3
Health	453.9	457.0	484.8	516.9	634.5
Environment	169.3	188.5	200.5	208.4	222.0
Public Housing	1.8	45.1	52.8	60.5	109.3
Others	123.4	171.3	203.1	211.2	250.9
Economic Services	389.2	428.3	433.9	440.6	432.9
National Development	240.5	245.8	263.9	261.5	273.2
Communications	41.0	30.5	33.0	38.9	37.7
Trade & Industry	86.1	127.3	109.7	108.8	88.8
Labour	21.6	24.7	27.3	31.4	33.2
General Services	307.9	367.1	478.5	427.3	606.1
Pensions	231.9	256.6	277.0	292.9	311.6

¹ Government operating expenditure refers to Expenditure on Manpower, Other Operating Expenditure (excluding expenses on investment and agency fees on land sales), Grants-in-Aid to statutory boards and Pensions.

Source : Ministry of Finance

13.3 GOVERNMENT DEVELOPMENT EXPENDITURE, 1989-1993

Million Dollars

	1989	1990	1991	1992	1993 ^p
Total¹	2,944.5	4,217.7	3,524.7	3,794.8	3,410.3
Security	246.7	266.5	388.6	386.1	410.6
Social & Community Services	517.1	1,529.5	1,536.1	1,561.2	1,456.1
Education	137.5	228.7	371.7	559.5	662.8
Health	65.9	48.4	135.6	164.8	115.8
Environment	209.9	209.3	501.9	231.7	190.4
Public Housing	87.7	957.2	463.3	533.3	395.9
Others	16.1	85.9	63.6	71.9	91.2
Economic Services	1,899.6	2,154.3	1,388.5	1,571.4	1,190.8
National Development	1,306.3	1,591.7	390.9	513.9	586.3
Communications	451.9	333.7	777.1	600.5	332.1
Trade & Industry	125.3	199.4	158.2	211.9	103.7
Labour	10.9	9.5	1.5	0.7	0.5
Research & Development	5.2	20.0	60.8	244.4	168.2
General Services	281.1	267.4	211.5	276.1	352.8

1 Government development expenditure excludes Loans to statutory boards, industrial and commercial enterprises.

Source : Ministry of Finance

13.4 SOURCES AND USES OF DEVELOPMENT FUND, 1983/84-1993/94

Million Dollars

Financial Year	Balance (Beginning of Financial Year)	Sources				Uses			
		Total	Consolidated Revenue Account	Consolidated Loan Account	Others	Total	Government Development Expenditure	Loans to Statutory Boards & Enterprises	Others
1983/84	7,520.5	10,586.1	1,984.4	6,190.5	2,411.2	6,388.4	2,138.8	4,249.6	-
1984/85	11,718.2	7,963.0	2,393.1	12.1	5,557.8	7,216.9	3,580.5	3,636.4	-
1985/86	12,464.3	5,859.0	2,261.8	10.0	3,587.2	8,555.5	3,264.0	5,291.5	-
1986/87	9,767.8	11,104.8	5,879.7	3.3	5,221.8	10,578.1	4,634.6	5,943.5	-
1987/88	10,294.5	36,482.4	1,543.8	30,826.4	4,112.2	7,087.3	5,548.3	1,539.0	-
1988/89	39,689.6	8,433.6	-	3,098.1	5,335.5	5,187.6	3,635.3	1,552.3	-
1989/90	42,935.6	9,312.8	-	4,744.8	4,568.0	5,078.2	4,115.9	662.3	300.0
1990/91	47,170.2	6,796.4	-	2,496.0	4,300.4	5,004.4	3,356.4	1,648.0	-
1991/92	48,962.2	5,311.9	-	2,098.9	3,213.0	5,596.8	3,601.1	1,995.7	-
1992/93	48,677.3	4,935.9	-	-	4,935.9	6,375.0	3,649.1	2,225.9	500.0
1993/94 ^p	47,238.2	4,732.5	-	-	4,732.5	8,005.5	4,411.5	3,594.0	-

Source : Accountant-General's Department

13.5 GOVERNMENT DEBT, 1983-1993

Million Dollars

End of Year	Total	Domestic					External ¹					
		Total	Registered Stocks	Bearer Bonds	Treasury Bills & Deposits	Advance Deposits	Total	UK Special Aid	World Bank	Asian Development Bank	Capital Market Loan	Others
1983	25,031.5	24,359.9	18,438.6	40.0	1,723.0	4,158.3	671.6	217.4	129.8	70.3	202.0	52.1
1984	28,077.3	27,435.9	18,207.9	-	1,835.7	7,392.3	641.4	211.2	121.8	80.6	184.4	43.4
1985	32,164.4	31,568.1	18,107.4	-	1,420.5	12,040.2	596.3	205.4	112.6	79.9	163.7	34.7
1986	33,793.1	33,341.7	17,790.1	-	1,998.4	13,553.2	451.4	198.9	101.6	73.5	55.4	22.0
1987	38,274.3	37,971.1	34,021.3	-	2,780.0	1,169.8	303.2	62.0	72.4	60.0	61.8	47.0
1988	41,830.7	41,589.9	36,972.5	-	2,360.0	2,257.4	240.8	51.3	59.6	48.3	51.6	30.0
1989	46,209.7	46,071.0	40,499.1	-	1,900.0	3,671.9	138.7	38.3	48.2	36.8	-	15.4
1990	51,425.6	51,357.7	41,149.8	-	2,070.0	8,137.9	67.9	35.0	13.5	14.3	-	5.1
1991	59,041.1	59,000.3	41,810.2	-	3,470.0	13,720.1	40.8	25.2	8.2	6.4	-	1.0
1992	67,252.5	67,228.2	56,360.2	-	4,940.0	5,928.0	24.3	15.5	5.1	3.4	-	0.3
1993	69,822.0	69,810.4	56,851.7	-	4,990.0	7,968.7	11.6 ^P	9.9 ^P	1.7 ^P	-	-	-

¹ Figures were computed at market rates.

Source : Accountant-General's Department
The Monetary Authority of Singapore

13.6 REVENUE COLLECTED BY CUSTOMS AND EXCISE DEPARTMENT, 1983-1993

Million Dollars

Year	Total	Import & Excise Duties					Entertainment Duties	Film Hire Duty	Licence Fees	Miscellaneous Receipts
		Liquors	Tobacco	Petroleum	Motor Vehicles	Others				
1983	913.5	193.4	195.4	265.1	148.7	56.9	41.1	3.8	5.4	3.7
1984	1,046.3	214.3	227.3	381.0	107.0	61.4	40.8	3.8	5.4	5.3
1985	1,022.6	203.7	227.9	431.8	62.0	60.7	21.1	4.1	5.8	5.5
1986	883.1	191.9	228.4	330.0	57.2	46.8	13.8	4.1	6.4	4.5
1987	961.8	218.8	214.5	335.0	113.8	49.3	15.3	4.1	6.9	4.1
1988	1,147.4	241.4	250.0	350.6	225.8	44.6	16.6	5.1	7.3	6.0
1989	1,297.3	245.3	263.9	409.2	295.1	48.7	16.9	5.4	7.8	5.0
1990	1,345.5	235.6	257.3	500.1	256.2	57.4	19.8	5.2	8.3	5.6
1991	1,414.4	234.4	306.9	533.5	248.9	55.2	14.2	6.1	9.1	6.1
1992	1,575.8	282.5	335.5	558.4	300.6	62.3	14.6	6.6	9.3	6.0
1993	1,720.7	280.6	339.9	585.1	416.2	58.3	16.1	7.7	10.6	6.2

Source : Customs and Excise Department

13.7 REVENUE COLLECTED BY INLAND REVENUE AUTHORITY, 1983-1993

Million Dollars

Year	Total	Income Tax ¹	Property Tax ²	Estate Duties	Stamp Duties	Bets, Sweepstakes & Private Lotteries ³	Skills Development Levy ⁴	Others ⁵
1983	5,249.1	3,527.4	948.8	61.2	314.2	102.8	112.4	182.3
1984	5,546.0	3,568.7	1,204.1	49.0	280.7	130.1	109.1	204.3
1985	4,829.3	2,999.8	1,195.3	32.7	314.2	140.0	66.2	81.1
1986	3,617.7	2,235.2	719.0	26.3	413.0	191.9	30.9	1.4
1987	3,758.7	2,338.9	678.0	25.7	410.5	282.0	22.5	1.1
1988	4,399.8	2,861.3	807.3	15.6	348.2	342.0	24.6	0.8
1989	5,714.8	3,623.0	911.9	27.8	717.6	410.8	22.7	1.0
1990	6,706.0	4,415.0	1,065.0	46.0	644.2	514.1	20.4	1.3
1991	7,850.1	5,340.2	1,248.7	46.3	592.5	613.9	7.7	0.8
1992	8,936.0	6,150.1	1,440.7	26.0	620.7	698.5	-	-
1993	10,269.6	6,797.7	1,644.0	45.9	972.2	809.8	-	-

1 Include compounding fees and court attendance fees.

Source : Inland Revenue Authority of Singapore

2 Include compounding fees and surcharges on property tax, search and valuation fees, Auctioneers, Appraisers and House Agent Licence fees and court attendance fees.

3 Include duty on Toto sales on account of withdrawal of exemption with effect from 1 Oct 1983.

4 Amount directly credited to the Skills Development Fund. The levy was reduced from 2 per cent to 1 per cent with effect from April 1986. The National Productivity Board took over the administration and enforcements with effect from 1 Sept 1991.

5 Include Payroll Tax which was suspended with effect from April 1985.

13.8 TAXPAYERS, ASSESSED INCOME AND GROSS TAX ASSESSED, 1991 AND 1992

	Taxpayers			Assessed Income			Gross Tax Assessed		
	Total	Resident	Non-resident	Total	Resident	Non-resident	Total	Resident	Non-resident
	Number			Million Dollars					
	1991								
Total	1,042,069	1,016,540	25,529	38,328.8	35,543.2	2,785.6	5,653.5	5,105.9	547.6
Individuals	1,021,545	998,412	23,133	24,589.1	24,408.9	180.1	1,892.5	1,855.1	37.4
Employees	880,330	858,800	21,530	20,385.6	20,239.8	145.8	1,464.0	1,434.7	29.4
Sole Proprietors	101,303	99,922	1,381	2,773.3	2,750.4	22.9	263.2	258.7	4.5
Partners	39,912	39,690	222	1,430.2	1,418.8	11.4	165.2	161.7	3.5
Companies	18,840	16,444	2,396	13,688.2	11,082.8	2,605.4	3,729.7	3,219.5	510.2
Trusts	829	829	-	27.4	27.4	-	8.4	8.4	-
Clubs & Associations	855	855	-	24.1	24.1	-	22.9	22.9	-
	1992								
Total	875,951	849,264	26,687	36,951.3	33,895.0	3,056.3	5,845.6	5,284.2	561.4
Individuals	856,317	832,501	23,816	22,092.8	21,945.2	147.6	1,795.8	1,769.3	26.4
Employees	742,941	720,748	22,193	18,384.8	18,268.1	116.7	1,397.1	1,377.3	19.8
Sole Proprietors	83,447	81,890	1,557	2,446.9	2,421.0	25.9	243.2	238.1	5.1
Partners	29,929	29,863	66	1,261.1	1,256.1	5.0	155.5	153.9	1.5
Companies	18,798	15,927	2,871	14,819.7	11,911.0	2,908.7	4,038.1	3,503.2	535.0
Trusts	579	579	-	28.0	28.0	-	8.7	8.7	-
Clubs & Associations	257	257	-	10.8	10.8	-	3.0	3.0	-

Notes : Figures for Year of Assessment 1991 refer to assessment made during the period 1.1.91 to 31.12.92 (24 months).
 Figures for Year of Assessment 1992 refer to assessment made during the period 1.1.92 to 31.12.92 (12 months).

Source : Inland Revenue Authority of Singapore

**13.9 ASSESSED INCOME AND GROSS TAX ASSESSED ON INDIVIDUALS
BY ASSESSED INCOME GROUP, 1991 AND 1992**

	Taxpayers			Assessed Income			Gross Tax Assessed		
Assessed Income Group (\$)	Total	Resident	Non-resident	Total	Resident	Non-resident	Total	Resident	Non-resident
	Number			Million Dollars					
	1991								
Total	1,021,545	998,412	23,133	24,589.1	24,408.9	180.1	1,892.5	1,855.1	37.4
6,000 & below	92,043	73,178	18,865	398.7	352.1	46.5	10.9	3.6	7.3
6,001 - 8,000	80,725	79,816	909	573.1	566.8	6.3	8.9	7.8	1.1
8,001 - 10,000	113,252	112,733	519	1,023.7	1,019.0	4.7	16.0	15.2	0.9
10,001 - 15,000	234,832	234,095	737	2,898.0	2,889.0	9.1	56.3	54.5	1.9
15,001 - 20,000	148,189	147,763	426	2,567.7	2,560.3	7.4	66.7	65.1	1.6
20,001 - 30,000	155,789	155,221	568	3,776.5	3,762.4	14.1	134.6	131.7	2.9
30,001 - 50,000	107,375	106,800	575	4,088.1	4,065.9	22.2	221.3	216.9	4.4
50,001 - 100,000	62,699	62,265	434	4,232.8	4,202.8	30.0	390.8	384.7	6.0
100,001 - 200,000	19,956	19,890	66	2,706.0	2,697.2	8.7	424.6	422.6	2.1
200,001 - 1,000,000	6,534	6,503	31	2,057.2	2,044.8	12.4	479.8	476.4	3.4
1,000,001 and above	151	148	3	267.4	248.6	18.8	82.4	76.6	5.8
	1992								
Total	856,317	832,501	23,816	22,092.8	21,945.2	147.6	1,795.8	1,769.3	26.4
6,000 & below	71,464	51,627	19,837	302.1	252.3	49.8	10.5	2.8	7.6
6,001 - 8,000	56,846	55,747	1,099	403.7	396.1	7.6	7.0	5.8	1.2
8,001 - 10,000	83,534	83,026	508	756.5	752.0	4.5	12.8	12.0	0.8
10,001 - 15,000	197,317	196,651	666	2,441.5	2,433.3	8.2	49.4	48.0	1.5
15,001 - 20,000	129,560	129,198	362	2,244.7	2,238.4	6.3	59.3	58.2	1.1
20,001 - 30,000	134,942	134,454	488	3,275.5	3,263.6	11.9	116.7	114.5	2.2
30,001 - 50,000	98,105	97,633	472	3,738.6	3,720.3	18.3	203.6	200.3	3.3
50,001 - 100,000	57,478	57,173	305	3,896.9	3,876.3	20.7	361.0	357.2	3.8
100,001 - 200,000	20,315	20,258	57	2,762.3	2,755.0	7.2	433.0	431.4	1.6
200,001 - 1,000,000	6,625	6,605	20	2,048.2	2,039.9	8.2	474.0	471.9	2.1
1,000,001 and above	131	129	2	222.8	218.0	4.8	68.5	67.3	1.2

Note : See notes to Table 13.8.

Source : Inland Revenue Authority of Singapore

**13.10 ASSESSED INCOME AND GROSS TAX ASSESSED ON COMPANIES BY ASSESSED INCOME GROUP,
1991 AND 1992**

Assessed Income Group (\$)	Taxpayers			Assessed Income			Gross Tax Assessed		
	Total	Resident	Non-resident	Total	Resident	Non-resident	Total	Resident	Non-resident
	Number			Million Dollars					
Total 10,000 & below 10,001 - 20,000 20,001 - 30,000 30,001 - 60,000 60,001 - 100,000 100,001 - 300,000 300,001 - 500,000 500,001 - 1,000,000 1,000,001 - 3,000,000 3,000,001 - 5,000,000 5,000,001 and above 									

Note : See notes to Table 13.8.

Source : Inland Revenue Authority of Singapore

Other Price Indices

Other price indices consist of the Domestic Supply Price Index and indices on Singapore manufactured products, imported products, building materials, building labour, and the Consumer Price Index. Much information on the methods used to compile these indices is available in the Singapore Statistical Yearbook 1987/1988. The Consumer Price Index, Singapore, based on the 1987 base year, is compiled monthly and for locally manufactured products and for imported products. The index is compiled using the Laspeyres formula. The base year for Domestic Supply Price Index, Singapore Manufactured Products Price Index, Import Price Index and Export Price Index is 1987.

Retail prices of selected goods are collected regularly from wholesale suppliers, commission agents, and other retail outlets located in various parts of the country. The frequency of pricing depends on the type of goods. Some prices are collected daily, weekly, bi-weekly, monthly, and quarterly. Prices for food, clothing, and other necessities are collected daily or weekly. Prices for building materials, building labour, and other services are collected monthly. Prices for durable goods (e.g. cars, refrigerators, air-conditioners, etc.) are collected quarterly. Prices for non-durable goods (e.g. food, clothing, etc.) are collected monthly. Prices for services (e.g. house rent, school fees, public utilities charges, bus fares) are priced quarterly, yearly or as and when their prices are revised. Altogether 740 items of goods and services are selected for regular pricing in the CPI. For each of these items, a number of brands, varieties and grades from different retailers are chosen. The total number of items priced including brands, varieties and grades is 3,000.

14 PRICES

Data are collected monthly by item from exporters, exporters and manufacturers. Data on selected raw products are collected monthly from the Primary Production Department. Indices at commodity level are published in the Department's Monthly Digest of Statistics. The Consumer Price Index (CPI) is a monthly index of the prices of a basket of goods and services commonly consumed by households. It is based on the list of items and weighting pattern derived from the Household Expenditure Survey conducted from September 1987 to August 1988. The expenditure records of 5,154 households were used as the weights. These households constituted 90 per cent of the expenditure of \$500 - \$4,999 were used as the weights. The CPI is published in the Department's Monthly Digest of Statistics. Additional detailed CPI data and analysis of consumer price changes are available in the monthly report.

PRICES

Prices of Selected Goods

Prices of many foodstuffs are collected monthly. The index is compiled monthly using the Laspeyres formula. The base year is 1987. The index is published in the Department's Monthly Digest of Statistics. To obtain the annual rate of inflation for the year, the yearly index is compared with that of the preceding year.

The CPI is published in the Department's Monthly Digest of Statistics. Additional detailed CPI data and analysis of consumer price changes are available in the monthly report.

14 PRICES

Consumer Price Index (CPI)

The Consumer Price Index (September 1987-August 1988=100) measures the price changes over time of a fixed basket of goods and services commonly consumed by households. It is based on the list of items and weighting pattern derived from the Household Expenditure Survey conducted from September 1987 to August 1988. The expenditure records of 5,174 households with monthly expenditure of \$500 - \$4,999 were used as the weighting pattern. These households constituted 90 per cent of all households surveyed.

The index is compiled monthly using the base-weighted Laspeyres' formula. The yearly index is the simple average of the twelve monthly indices. To obtain the annual rate of inflation for the year, the yearly index is compared with that of the preceding year.

The CPI is published in the Department's "Monthly Digest of Statistics". Additional detailed CPI data and analysis of consumer price changes are available in the monthly report

of the Consumer Price Index. More information on the methodology may also be obtained from the memorandum on "The Consumer Price Index, Singapore, based on Household Expenditure Survey, 1987/88".

Retail Prices

Retail prices of selected goods are collected regularly from markets, supermarkets, provision shops, econ-mini marts and other retail outlets located in various parts of the country. The frequency of pricing depends on the price stability of the items. Prices are collected thrice weekly for perishable food items such as fish, vegetables, meat and poultry and weekly for sundries and provisions. Clothing materials, furniture, consumer durables and some miscellaneous items including items of services are priced monthly. Items with infrequent price fluctuations (eg house rents, school fees, public utilities charges, bus fares) are priced quarterly, yearly or as and when their prices are revised. Altogether 740 items of goods and services are selected for regular pricing in the CPI. For each of these items, a number of brands, varieties and grades from different retailers are chosen. The total number of items priced, including brands, varieties and grades is 2,020.

Other Price Indices

Other price indices consist of the Domestic Supply Price Index and Indices on Singapore manufactured products, imported products, exported products, building materials, selected farm products and property. For imported products, the prices are valued at cif (cost, insurance and freight); for exported products, they refer to fob (free on board) prices, and for locally manufactured products, they are ex-factory prices. The indices are compiled monthly using the base-weighted Laspeyres' formula. The base year for Domestic Supply Price Index, Singapore Manufactured Products Price Index, Import Price Index and Export Price Index is 1990.

The list of items and weighting patterns for the Singapore manufactured products were derived from data collected in the 1990 Census of Industrial Production, while those for the exported and imported products were derived from exports and imports statistics of 1990. The weights for the Domestic Supply Price Index were made proportionate to the combined value of retained imports and locally manufactured goods sold in the domestic market.

Data are collected monthly by mail from importers, exporters and manufacturers. Data on selected farm products are, however, obtained from the Primary Production Department. Indices at commodity division level are published in the Department's "Monthly Digest of Statistics". Details on methodology, commodity coverage, weighting pattern and methods of computation can be found in these publications: Import Price Index, A Guide to Export Price Index, A Technical Note on Singapore Manufactured Products Price Index and the Domestic Supply Price Index.

The collection and compilation of data for the Property Price Index and Building Materials Price Index are undertaken respectively by the Urban Redevelopment Authority and the Construction Industry Development Board.

Produce Prices

Prices of rubber are obtained weekly from the Rubber Association of Singapore. Weekly prices for other types of produce are obtained from the Singapore Chinese Produce Exchange.

14.1 CONSUMER PRICE INDEX, 1983-1993

Section	All Items	Food	Clothing	Housing	Transport & Communications	Miscellaneous
Period \ Weights ¹	10,000	3,977	570	1,717	1,450	2,286
September 1987 - August 1988 = 100						
1983	96.8	100.2	102.8	98.3	95.9	87.8
1984	99.3	101.7	102.3	100.3	99.6	92.7
1985	99.8	100.5	99.8	102.8	102.9	93.9
1986	98.4	99.0	97.4	100.9	99.0	95.0
1987	98.9	98.8	97.8	99.9	100.0	97.6
1988	100.4	100.2	101.1	100.1	100.9	100.3
1989	102.8	101.7	102.7	101.6	105.5	103.9
1990	106.3	102.5	103.7	107.5	113.7	108.2
1991	110.0	104.0	105.5	109.5	121.6	114.4
1992	112.5	105.4	107.8	111.7	125.2	118.4
1993	115.2	106.3	109.3	115.7	128.4	123.5
Percentage Change Over Previous Year						
1983	1.2	0.3	0.1	0.3	0.8	4.8
1984	2.6	1.5	-0.4	2.1	3.8	5.6
1985	0.5	-1.2	-2.5	2.5	3.3	1.2
1986	-1.4	-1.4	-2.3	-1.9	-3.8	1.2
1987	0.5	-0.2	0.3	-1.0	1.1	2.8
1988	1.5	1.4	3.4	0.3	0.9	2.7
1989	2.4	1.5	1.6	1.5	4.5	3.7
1990	3.4	0.8	0.9	5.7	7.8	4.1
1991	3.4	1.5	1.7	1.8	7.0	5.8
1992	2.3	1.3	2.2	2.1	2.9	3.5
1993	2.4	0.9	1.3	3.5	2.5	4.3

¹ The weights refer to the consumption pattern of 1987/88 and are used in the computation of the indices for the years 1989-1993. Indices for the years 1983-1988 relate to the consumption pattern of 1982/83.

14.2 PRICE INDICES OF SELECTED CONSUMER ITEMS, 1983-1993
(September 1987 - August 1988 = 100)

	Utility				Private Road Transport			Miscellaneous		
	Water Tariff	Electricity Tariff	Gas Tariff	Liquefied Petroleum Gas	Petrol, Premium	Petrol, Inter- mediate	Other Running Costs	Primary School Miscellaneous Fees	Secondary, Pre-U & JC School & Miscellaneous Fees	Consultation Fees for Adult & Children at Outpatient Dispensary
Weights Per 10,000	94.0	212.0	28.0	39.0	244.0	32.0	120.0	13.0	29.0	124.0
Period										
1983	70.8	127.9	139.2	121.9	121.1	123.8	72.6	94.4	97.7	80.6
1984	82.3	125.0	127.4	121.6	136.8	139.1	89.8	94.4	97.7	90.5
1985	82.3	124.1	127.0	121.6	151.5	154.5	98.7	94.4	97.7	94.5
1986	89.7	109.7	112.7	107.7	107.7	108.0	100.0	94.4	97.7	94.9
1987	100.0	99.6	103.6	98.9	103.2	103.2	99.9	94.4	97.7	98.3
1988	100.0	97.3	98.0	99.9	97.6	97.4	101.4	104.5	101.9	101.1
1989	100.0	92.0	100.2	98.4	108.3	108.9	124.2	107.9	106.5	104.6
1990	100.0	97.3	105.6	103.2	126.1	126.2	136.2	107.9	114.5	110.9
1991	101.3	96.2	118.7	114.1	131.7	126.6	136.6	134.8	145.0	125.4
1992	103.1	88.4	118.7	112.4	130.7	125.8	136.9	152.4	158.7	128.2
1993	108.7	90.0	118.7	112.4	128.8	124.2	137.5	159.1	162.0	133.6

Note : See note to Table 14.1

14.3 RETAIL PRICES OF SELECTED FOODSTUFFS, 1983-1993

Dollars

Year	Rice & Other Cereals				Meat & Poultry					Milk & Eggs		
	Thai Rice 100%	Instant Noodles	Rice Vermicelli	Bread	Lean Pork	Pork Rib Bones	Fresh Beef	Fresh Mutton	Hen	Condensed Milk	Powdered Milk	Hen Eggs
	5 kg	425g Pkt	400g Pkt	400g	Per kg					397g Tin	2 kg tin	Per 10
1983	5.38	1.76	.68	.62	7.96	7.96	12.60	10.98	4.59	1.15	14.05	1.54
1984	5.35	1.78	.70	.67	7.33	7.56	12.60	10.98	4.62	1.12	14.02	1.67
1985	4.60	1.75	.70	.67	6.68	7.14	13.12	10.97	4.51	1.01	13.81	1.57
1986	4.05	1.75	.70	.67	6.22	6.79	13.28	10.92	4.23	.95	13.70	1.46
1987	3.93	1.74	.67	.68	6.24	6.88	13.32	10.80	4.11	.93	13.70	1.46
1988	4.63	1.77	.67	.67	6.57	7.30	12.51	10.80	4.02	.97	13.98	1.57
1989	4.78	1.77	.65	.68	6.86	7.59	13.00	10.94	4.15	1.10	15.68	1.46
1990	4.85	1.77	.62	.72	6.50	7.33	12.98	10.84	4.15	1.13	16.44	1.50
1991	4.88	1.76	.69	.72	6.02	7.00	13.04	10.44	4.15	1.10	15.96	1.48
1992	4.91	1.69	.73	.76	6.28	7.25	13.32	10.41	4.28	1.11	15.69	1.41
1993	4.85	1.76	.73	.79	6.13	7.09	13.37	10.31	4.38	1.10	15.22	1.42

14.3 RETAIL PRICES OF SELECTED FOODSTUFFS, 1983-1993 (continued)

Dollars

Year	Cooking Oils		Fish & Other Sea Products						Vegetables			
	Deodorised Oil	Corn Oil	Kurau (cut)	White Pomfret	Spanish Mackerel (Tenggiri)	Gold Banded Scad (Kunning)	Fresh Prawns	Fresh Cuttlefish	Cabbage	Spinach (Bayam)	Small Mustard	Kale
	2 kg bottle		Per kg						Per kg			
1983	4.96	5.83	20.66	13.85	8.54	4.65	23.59	4.97	1.65	1.55	2.42	4.17
1984	5.50	6.20	20.36	14.40	8.61	4.77	23.13	4.87	1.42	1.86	2.50	4.42
1985	5.49	6.05	20.93	14.55	8.38	5.05	21.77	5.20	1.55	1.77	2.28	4.29
1986	5.34	5.79	22.03	13.89	8.34	5.62	22.73	5.19	1.43	1.60	1.99	3.58
1987	5.29	5.64	22.59	13.33	8.05	5.04	23.78	5.37	1.61	1.76	2.37	4.14
1988	5.31	5.64	22.72	13.52	8.03	5.15	24.89	5.59	1.66	1.74	2.33	3.96
1989	5.28	6.14	23.87	13.78	8.20	5.27	23.19	5.22	1.58	1.67	2.12	3.47
1990	5.24	5.70	25.39	13.98	8.36	5.23	21.75	5.01	1.64	1.82	2.21	3.41
1991	5.18	5.79	26.57	14.88	8.50	5.43	22.47	5.38	1.71	2.10	2.42	3.47
1992	5.16	5.74	29.00	15.60	8.78	5.67	22.42	6.17	1.67	2.17	2.26	3.20
1993	5.14	5.77	30.86	16.09	8.93	5.75	22.04	6.84	1.77	2.04	2.25	3.04

14.3 RETAIL PRICES OF SELECTED FOODSTUFFS, 1983-1993 (continued)

Dollars

Year	Vegetables			Fruits					Miscellaneous			
	Long Beans	Tomatoes	Red Chillies	Papaya	Bananas (Emas)	Orange	Apple	Pear	Sugar	Coffee Powder	Food Beverage	Tea
	Per kg			Per kg		Each			Per kg		400g Tin	100 Tea Bags
1983	1.85	2.42	7.84	.96	1.22	.35	.30	.56	1.25	11.65	3.71	4.70
1984	1.89	2.31	6.09	.92	1.25	.39	.32	.57	1.22	11.65	3.55	4.74
1985	1.94	2.47	5.33	.99	1.26	.38	.29	.55	1.07	11.68	3.60	4.87
1986	1.77	2.23	4.48	1.02	1.24	.39	.31	.54	.96	12.47	3.52	4.95
1987	1.89	2.32	4.97	.90	1.23	.38	.30	.55	.96	11.70	3.38	5.12
1988	1.89	2.33	4.64	.86	1.23	.38	.33	.59	.84	11.50	3.48	5.00
1989	1.78	2.13	3.90	1.02	1.26	.38	.33	.59	1.00	10.98	3.64	4.83
1990	2.01	2.21	4.71	1.00	1.27	.38	.32	.57	1.12	10.70	3.62	4.82
1991	2.18	2.26	4.67	.92	1.26	.43	.34	.69	.98	10.58	3.48	4.81
1992	2.39	2.35	4.42	1.04	1.25	.38	.34	.66	.95	10.65	3.32	4.86
1993	2.26	2.28	4.32	1.02	1.26	.38	.33	.63	.91	10.77	3.28	5.21

14.4 DOMESTIC SUPPLY PRICE INDEX, 1987-1993

(1990 = 100)

Item	Weights	1987	1988	1989	1990	1991	1992	1993
All Items	10,000	97.6	95.8	98.3	100.0	95.9	91.7	89.2
Food	407	95.8	100.3	103.2	100.0	96.7	96.5	93.4
Live animals	31	97.8	106.6	110.0	100.0	82.3	94.0	87.9
Meat & meat preparations	33	94.5	93.6	101.7	100.0	98.9	93.3	89.3
Dairy produce & eggs	39	76.3	85.3	98.1	100.0	94.1	92.0	91.7
Fish & fish preparations	57	96.1	102.0	99.1	100.0	108.3	117.4	108.8
Cereals & cereal preparations	60	90.3	101.2	107.5	100.0	96.7	97.9	97.1
Vegetables & fruits	75	100.6	102.6	98.4	100.0	104.3	101.5	96.9
Sugar & sugar preparations	27	90.1	88.4	106.8	100.0	78.4	71.8	75.0
Coffee etc & spices	46	132.2	129.6	124.6	100.0	89.0	80.2	77.1
Animal feeding stuff	11	93.2	105.1	104.9	100.0	98.4	101.3	99.8
Miscellaneous food preparations	28	102.4	98.2	97.4	100.0	100.1	98.2	99.1
Beverages & Tobacco	102	91.2	92.2	97.9	100.0	105.4	108.1	112.4
Beverages	55	91.1	93.2	99.4	100.0	100.7	105.5	107.4
Tobacco & manufactures	47	91.5	91.0	95.9	100.0	110.9	111.1	118.4
Crude Materials	133	99.0	106.3	101.0	100.0	98.2	93.1	94.6
Oil seeds, nuts, & kernels	7	94.2	112.8	115.2	100.0	97.1	93.3	89.1
Crude rubber incl synthetic	16	132.6	151.2	118.5	100.0	94.3	93.2	89.3
Cork & wood	28	87.3	91.4	92.9	100.0	101.1	101.3	112.3
Textile fibres & waste	7	116.3	118.9	121.7	100.0	101.5	92.6	90.6
Crude fertilizers & minerals	36	83.5	81.7	80.7	100.0	100.8	85.9	87.1
Metallic ores & scrap	22	99.0	106.9	102.0	100.0	90.2	82.0	81.6
Crude materials nec	17	100.9	117.0	123.2	100.0	100.9	109.1	107.1
Mineral Fuels	2,119	96.1	75.5	85.7	100.0	89.0	80.2	71.7
Petroleum & products	2,110	96.0	75.5	85.7	100.0	88.9	80.2	71.6
Gas	9	100.0	88.5	88.3	100.0	104.8	94.5	87.8
Animal & Vegetable Oils	71	119.3	144.4	120.0	100.0	109.4	118.3	114.1
Vegetable oil unprocessed	37	104.6	124.8	118.9	100.0	109.3	120.7	115.4
Other animal & vegetable oils	34	124.7	151.6	120.3	100.0	109.6	115.6	112.7

14.4 DOMESTIC SUPPLY PRICE INDEX, 1987-1993 (continued)
(1990 = 100)

Item	Weights	1987	1988	1989	1990	1991	1992	1993
Chemicals & Chemical Products	747	99.5	111.2	105.6	100.0	100.6	94.7	91.8
Organic chemicals	133	96.6	119.9	109.5	100.0	99.2	84.8	80.4
Inorganic chemicals	43	109.6	112.6	104.5	100.0	98.6	95.3	93.0
Dyes & colours	54	95.4	101.2	102.0	100.0	97.2	95.0	96.3
Medicinal products	28	121.1	114.5	101.4	100.0	99.6	99.0	98.1
Perfume, toilet preparations	50	89.8	93.2	99.6	100.0	96.6	95.2	94.7
Plastics in primary forms	119	97.2	97.7	100.0	100.0	95.8	86.2	79.4
Plastics in non-primary forms	61	102.7	123.1	109.9	100.0	99.7	94.5	92.4
Chemical products nec	259	97.6	97.2	102.2	100.0	105.6	103.0	100.8
Manufactured Goods	1,457	87.5	94.8	100.2	100.0	99.2	95.4	93.8
Leather products nec	12	73.3	88.9	95.6	100.0	85.0	104.0	91.0
Rubber manufactures nec	37	95.1	99.6	100.7	100.0	99.6	97.4	100.1
Wood & cork manufactures	47	94.0	108.4	105.8	100.0	99.0	99.0	109.3
Paper manufactures	165	93.8	102.6	105.7	100.0	96.0	92.7	89.0
Textile manufactures	225	100.2	101.4	100.6	100.0	100.7	95.6	86.8
Non-metal mineral manufactures	209	79.9	80.5	91.2	100.0	102.2	99.9	98.8
Iron & steel	289	85.6	98.8	104.1	100.0	99.8	90.6	88.3
Non-ferrous metals	149	84.5	111.7	119.4	100.0	90.1	86.6	90.1
Metal manufactures	324	84.9	90.6	97.0	100.0	101.9	100.9	101.5
Machinery & Transport Equipment	3,903	103.8	105.5	103.6	100.0	96.2	93.5	92.8
Power generating machinery	267	101.8	103.8	102.7	100.0	98.4	90.8	95.8
Industrial machinery	216	113.5	121.5	103.0	100.0	111.1	108.1	111.6
Metalworking machinery	74	95.0	100.1	104.6	100.0	102.4	103.7	112.6
General industrial machinery	376	86.6	92.9	93.9	100.0	102.1	102.2	105.3
Office & data machines	743	107.8	106.1	106.3	100.0	93.6	90.3	90.2
Telecommunication apparatus	569	104.3	104.0	103.3	100.0	97.6	95.2	95.1
Electrical machinery nec	1,458	109.0	108.4	106.4	100.0	91.7	87.8	82.4
Road vehicles	200	105.8	113.6	109.8	100.0	101.9	108.2	117.7
Miscellaneous Manufactures	1,061	101.0	103.8	101.9	100.0	98.4	96.2	95.9
Prefab building, sanitary, lighting	19	104.1	102.2	98.0	100.0	98.6	98.8	101.3
Furniture, bedding, mattresses	67	97.3	101.0	100.5	100.0	101.2	100.1	100.5
Travel goods	38	93.6	97.9	99.2	100.0	101.1	101.1	101.7
Clothing	122	91.9	94.6	98.9	100.0	97.7	98.0	98.8
Footwear	33	99.1	98.6	97.8	100.0	95.8	95.5	95.5
Scientific instruments	116	104.5	104.6	102.8	100.0	103.5	103.1	108.9
Photographic apparatus	163	98.2	104.0	100.3	100.0	96.7	95.4	95.3
Miscellaneous mfd articles nec	503	105.4	107.9	104.2	100.0	97.5	93.4	91.3

14.5 SINGAPORE MANUFACTURED PRODUCTS PRICE INDEX, 1987-1993
(1990 = 100)

Item	Weights	1987	1988	1989	1990	1991	1992	1993
All Items	10,000	95.9	94.1	96.2	100.0	92.7	86.4	83.1
Food	349	100.8	97.8	100.3	100.0	95.3	93.2	94.2
Meat & meat preparations	10	97.5	97.4	99.9	100.0	96.7	92.6	92.6
Dairy produce & eggs	53	84.0	85.9	96.3	100.0	98.2	97.8	95.5
Fish & fish preparations	19	97.9	99.6	100.0	100.0	99.7	103.6	106.6
Cereals & cereal preparations	60	93.4	94.6	97.4	100.0	100.4	101.9	103.5
Vegetables & fruits	17	99.1	99.0	99.6	100.0	98.5	97.7	97.8
Sugar & sugar preparations	28	100.4	83.9	102.0	100.0	83.7	73.1	76.0
Coffee etc & spices	88	154.3	132.5	115.2	100.0	89.3	82.5	84.0
Animal feeding stuff	17	88.3	93.0	100.3	100.0	95.0	97.7	97.7
Miscellaneous food preparations	57	92.5	93.7	93.9	100.0	99.8	100.1	102.2
Beverages & Tobacco	102	87.2	89.0	97.9	100.0	106.4	112.7	122.4
Beverages	63	90.6	92.4	101.7	100.0	101.0	106.0	108.1
Tobacco & manufactures	39	82.6	84.3	92.8	100.0	115.2	123.7	145.4
Crude Materials	421	108.0	117.2	101.6	100.0	99.9	90.2	90.0
Crude rubber incl synthetic	123	133.1	150.9	118.6	100.0	96.3	95.4	91.5
Cork & wood	55	89.0	97.7	97.6	100.0	101.0	101.0	103.9
Crude fertilizers & minerals	150	79.4	77.8	77.2	100.0	107.1	85.1	86.4
Metallic ores & scrap	68	108.5	107.7	108.1	100.0	91.5	82.3	84.3
Crude materials nec	25	87.8	96.3	96.4	100.0	94.6	93.6	90.0
Mineral Fuels	1,552	89.7	75.3	83.8	100.0	90.2	75.9	70.9
Petroleum & products	1,530	89.7	75.1	83.9	100.0	89.9	75.6	70.5
Gas	22	91.9	88.3	81.9	100.0	110.7	102.5	98.3
Animal & Vegetable Oils	113	99.6	117.2	113.9	100.0	101.1	106.9	104.8
Vegetable oil unprocessed	62	95.9	114.3	115.6	100.0	99.1	108.9	104.6
Other animal & vegetable oils	51	101.8	119.0	112.9	100.0	103.5	104.6	105.2

14.5 SINGAPORE MANUFACTURED PRODUCTS PRICE INDEX, 1987-1993 (continued)
(1990 = 100)

Item	Weights	1987	1988	1989	1990	1991	1992	1993
Chemicals & Chemical Products	725	102.4	119.7	108.2	100.0	97.2	89.1	85.2
Organic chemicals	140	96.0	116.9	110.7	100.0	96.9	77.0	66.9
Inorganic chemicals	43	109.8	110.9	102.7	100.0	95.5	89.8	84.3
Dyes & colours	60	91.4	96.0	99.8	100.0	98.0	96.9	98.5
Medicinal products	148	115.9	111.8	109.4	100.0	100.2	103.4	102.5
Perfume, toilet preparations	26	96.2	97.0	100.9	100.0	99.8	95.1	93.7
Plastics in primary forms	188	na	na	na	100.0	91.1	77.4	72.0
Plastics in non-primary forms	32	110.8	149.0	114.3	100.0	96.5	95.5	91.4
Chemical products nec	88	99.7	100.9	100.2	100.0	105.0	99.8	99.8
Manufactured Goods	872	82.3	87.0	95.6	100.0	98.6	94.6	93.7
Rubber manufactures nec	15	92.9	97.4	101.1	100.0	95.0	87.7	94.6
Wood & cork manufactures	37	95.6	104.4	101.7	100.0	99.0	93.7	100.5
Paper manufactures	135	90.7	95.5	97.1	100.0	99.2	96.4	97.4
Textile manufactures	44	105.4	106.3	106.2	100.0	94.8	89.6	85.2
Non-metal mineral manufactures	144	72.8	72.1	85.1	100.0	104.4	100.5	99.9
Iron & steel	143	83.6	91.3	99.9	100.0	93.2	83.9	81.3
Non-ferrous metals	26	95.1	109.5	122.2	100.0	95.3	91.4	90.6
Metal manufactures	328	80.0	86.6	97.0	100.0	98.9	97.2	95.3
Machinery & Transport Equipment	4,980	102.3	100.5	99.8	100.0	89.4	84.5	80.3
Power generating machinery	72	105.8	101.9	101.1	100.0	96.0	91.8	95.8
Industrial machinery	116	104.3	107.4	97.6	100.0	103.3	101.6	100.9
Metalworking machinery	26	89.5	92.4	97.9	100.0	98.2	97.5	95.5
General industrial machinery	250	97.5	97.7	100.3	100.0	101.9	99.2	94.7
Office & data machines	1,810	115.5	113.5	109.0	100.0	81.4	72.9	65.5
Telecommunication apparatus	1,121	106.9	103.6	101.6	100.0	93.5	93.1	90.2
Electrical machinery nec	1,544	95.4	93.4	95.1	100.0	92.5	87.5	85.3
Road vehicles	41	102.7	100.8	103.2	100.0	83.0	88.8	87.3
Miscellaneous Manufactures	886	99.1	101.0	101.0	100.0	98.5	95.7	92.8
Prefab building, sanitary, lighting	6	79.0	79.0	82.2	100.0	100.1	106.0	109.0
Furniture, bedding, mattresses	76	99.5	101.3	101.3	100.0	102.3	101.4	103.1
Travel goods	4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Clothing	217	89.2	90.6	97.3	100.0	99.2	98.5	100.9
Footwear	6	90.7	94.1	95.2	100.0	99.8	99.1	97.6
Scientific instruments	64	118.2	111.1	103.9	100.0	99.7	99.4	96.8
Photographic apparatus	37	113.1	112.0	100.3	100.0	98.7	95.4	101.9
Miscellaneous mfd articles nec	476	103.6	106.5	103.6	100.0	97.4	92.8	86.0

14.6 IMPORT PRICE INDEX, 1987-1993
(1990 = 100)

Item	Weights	1987	1988	1989	1990	1991	1992	1993
All Items	10,000	100.6	101.1	100.9	100.0	96.8	93.5	91.6
Food	442	103.7	107.8	107.0	100.0	97.5	96.9	92.4
Live animals	29	98.4	107.2	110.4	100.0	82.3	94.0	87.9
Meat & meat preparations	32	93.2	93.0	102.4	100.0	99.3	93.1	87.9
Dairy produce & eggs	33	74.1	85.1	99.0	100.0	91.8	89.5	90.6
Fish & fish preparations	82	98.4	105.7	100.1	100.0	109.7	119.8	108.4
Cereals & cereal preparations	41	89.5	103.8	112.2	100.0	94.0	94.8	91.8
Vegetables & fruits	103	101.2	103.2	99.0	100.0	105.3	101.8	95.6
Sugar & sugar preparations	18	84.2	91.1	109.6	100.0	78.2	74.2	77.1
Coffee etc & spices	78	178.5	155.6	127.1	100.0	87.4	77.9	77.9
Animal feeding stuff	8	97.6	115.6	109.1	100.0	101.4	104.4	101.8
Miscellaneous food preparations	18	114.0	102.2	97.7	100.0	99.4	95.6	95.0
Beverages & Tobacco	130	97.6	97.2	98.3	100.0	107.7	107.2	108.3
Beverages	49	91.8	94.2	96.7	100.0	102.7	110.0	113.4
Tobacco & manufactures	81	104.8	101.1	100.4	100.0	110.8	105.4	105.2
Crude Materials	267	117.5	133.8	113.1	100.0	96.5	95.3	94.9
Hides, skins undressed	2	115.7	135.9	127.2	100.0	98.7	97.8	100.0
Oil seeds, nuts, kernels	14	97.5	117.6	118.0	100.0	98.1	94.6	90.7
Crude rubber incl synthetic	122	132.1	155.0	118.2	100.0	94.6	94.5	90.2
Cork & wood	47	85.9	89.0	91.8	100.0	100.9	101.4	113.5
Textile fibres & waste	13	117.5	118.2	118.9	100.0	98.1	90.8	92.2
Crude fertilizers & minerals	17	100.6	95.2	91.8	100.0	94.5	87.4	88.5
Metallic ores & scrap	22	95.0	99.6	101.5	100.0	90.2	82.9	80.2
Crude materials nec	30	109.9	130.2	138.1	100.0	101.1	104.4	102.5
Mineral Fuels	1,600	97.1	75.6	86.1	100.0	88.7	81.3	71.9
Petroleum & products	1,598	97.1	75.6	86.1	100.0	88.7	81.3	71.9
Gas	2	110.2	88.7	96.3	100.0	93.0	78.5	66.7
Animal & Vegetable Oils	70	122.7	149.5	121.8	100.0	110.0	119.1	114.9
Vegetable oil unprocessed	38	113.2	136.4	122.1	100.0	110.7	121.6	116.1
Other animal & vegetable oils	32	127.9	156.6	121.8	100.0	109.2	116.1	113.4

14.6 IMPORT PRICE INDEX, 1987-1993 (continued)
(1990 = 100)

Item	Weights	1987	1988	1989	1990	1991	1992	1993
Chemicals & Chemical Products	766	101.5	112.2	105.4	100.0	101.3	96.4	93.7
Organic chemicals	123	103.4	123.8	108.0	100.0	101.6	91.5	90.6
Inorganic chemicals	39	107.7	112.4	107.4	100.0	100.1	96.6	95.5
Dyes & colours	43	106.7	111.9	102.4	100.0	96.3	93.5	94.0
Medicinal products	33	120.8	114.4	101.3	100.0	99.9	98.6	97.2
Perfume, toilet preparations	59	89.9	93.2	99.3	100.0	96.8	95.3	93.9
Fertilizers manufactured	5	92.0	106.8	102.2	100.0	86.6	84.4	81.6
Plastics in primary forms	135	90.8	100.0	100.0	100.0	97.5	89.2	81.9
Plastics in non-primary forms	54	103.3	122.2	109.3	100.0	100.2	94.4	92.2
Chemical products nec	275	96.0	96.2	103.1	100.0	105.7	103.0	100.7
Manufactured Goods	1,366	92.4	101.8	104.5	100.0	99.3	95.4	93.3
Leather products nec	14	74.4	88.8	95.2	100.0	85.1	103.5	90.6
Rubber manufactures nec	48	96.7	102.5	101.6	100.0	100.7	99.5	101.3
Wood & cork manufactures	57	92.5	111.4	108.4	100.0	99.0	100.3	114.4
Paper manufactures	118	95.7	106.4	110.0	100.0	94.4	90.1	85.3
Textile manufactures	312	99.5	100.9	100.5	100.0	102.3	96.9	88.0
Non-metal mineral manufactures	142	87.4	89.2	96.9	100.0	100.5	99.4	98.0
Iron & steel	277	89.0	105.8	107.4	100.0	102.3	93.2	90.5
Non-ferrous metals	202	90.6	115.4	124.1	100.0	87.9	84.5	84.7
Metal manufactures	196	91.7	95.7	97.4	100.0	104.8	104.9	108.3
Machinery & Transport Equipment	4,404	102.6	105.8	103.8	100.0	97.3	95.0	95.4
Power generating machinery	324	100.2	104.0	102.3	100.0	99.3	92.6	97.1
Industrial machinery	343	101.3	112.9	101.8	100.0	110.9	109.1	112.9
Metalworking machinery	79	96.6	101.9	105.7	100.0	102.8	104.4	114.5
General industrial machinery	454	85.4	93.5	94.5	100.0	101.9	102.6	108.2
Office & data machines	757	106.7	105.2	106.2	100.0	94.3	91.9	93.0
Telecommunication apparatus	795	102.7	103.0	103.5	100.0	98.9	96.0	96.1
Electrical machinery nec	1,388	111.0	110.1	107.5	100.0	91.4	87.5	81.3
Road vehicles	264	107.1	115.0	110.2	100.0	101.9	109.4	121.8
Miscellaneous Manufactures	955	102.6	105.3	102.7	100.0	98.3	96.4	97.6
Prefab building, sanitary, lighting	18	108.2	106.9	101.9	100.0	98.0	96.9	98.6
Furniture, bedding, mattresses	28	94.4	100.7	100.1	100.0	99.5	98.7	97.2
Travel goods	35	91.4	96.7	99.3	100.0	101.3	101.2	101.8
Clothing	161	96.9	98.9	100.3	100.0	97.5	97.3	96.5
Footwear	33	102.3	100.7	98.6	100.0	95.6	94.8	94.7
Scientific instruments	150	105.4	105.8	103.3	100.0	103.2	102.9	109.0
Photographic apparatus	224	98.1	104.2	100.4	100.0	96.9	95.2	94.8
Miscellaneous mfd articles nec	306	109.6	111.6	106.6	100.0	97.3	93.2	94.3

14.7 EXPORT PRICE INDEX, 1987-1993
(1990 = 100)

Item	Weights	1987	1988	1989	1990	1991	1992	1993
All Items	10,000	101.5	100.0	99.5	100.0	94.6	88.4	86.4
Food	287	115.9	115.8	109.5	100.0	98.1	93.2	91.7
Meat & meat preparations	11	90.2	85.0	100.2	100.0	98.3	93.4	90.2
Dairy produce & eggs	16	92.1	93.5	103.3	100.0	91.6	89.3	89.0
Fish & fish preparations	74	115.9	112.4	104.5	100.0	105.7	104.4	102.4
Cereals & cereal preparations	21	93.7	102.1	106.5	100.0	98.2	97.0	97.5
Vegetables & fruits	43	103.5	105.5	98.1	100.0	108.3	100.5	93.5
Sugar & sugar preparations	7	76.0	86.9	99.2	100.0	78.4	83.1	91.1
Coffee etc & spices	79	186.1	166.0	132.7	100.0	90.1	79.9	80.4
Animal feeding stuff	11	93.9	106.4	105.9	100.0	92.2	85.1	84.5
Miscellaneous food preparations	25	92.1	101.7	96.6	100.0	95.9	94.8	94.0
Beverages & Tobacco	144	94.0	96.2	99.0	100.0	101.9	102.0	99.3
Beverages	56	95.9	97.5	98.9	100.0	103.6	103.0	98.4
Tobacco & manufactures	88	92.0	94.8	99.3	100.0	100.7	101.3	99.9
Crude Materials	302	116.0	135.8	113.7	100.0	95.4	92.2	91.4
Hides, skins undressed	3	93.5	123.1	107.0	100.0	92.5	87.3	87.9
Oil seeds, nuts, kernels	11	103.6	112.3	117.0	100.0	96.2	81.6	87.1
Crude rubber incl synthetic	141	131.1	159.9	119.7	100.0	95.2	94.3	91.1
Cork & wood	49	83.2	82.7	94.7	100.0	99.9	99.8	112.9
Paper making material	8	112.7	118.6	114.5	100.0	107.9	86.5	56.4
Textile fibres & waste	9	-	na	-	100.0	103.3	99.7	103.5
Crude fertilizers & minerals	9	123.8	106.8	101.4	100.0	92.5	88.7	87.1
Metallic ores & scrap	37	104.0	122.2	118.9	100.0	88.7	76.3	71.6
Crude materials nec	35	94.5	105.3	107.7	100.0	93.3	94.1	91.2
Mineral Fuels	1,821	89.1	74.8	83.4	100.0	88.4	77.5	72.9
Petroleum & products	1,808	89.1	74.7	83.5	100.0	88.3	77.3	72.7
Gas	13	90.2	87.9	79.9	100.0	109.1	97.7	94.8
Animal & Vegetable Oils	77	102.3	116.1	104.6	100.0	103.7	106.4	104.9
Vegetable oil unprocessed	37	100.3	112.3	102.8	100.0	102.7	104.9	104.2
Other animal & vegetable oils	40	108.2	126.5	109.8	100.0	104.5	107.9	105.5

14.7 EXPORT PRICE INDEX, 1987-1993 (continued)

(1990 = 100)

Item	Weights	1987	1988	1989	1990	1991	1992	1993
Chemicals & Chemical Products	690	100.5	113.7	106.3	100.0	98.4	89.8	86.2
Organic chemicals	214	88.6	102.1	103.7	100.0	95.5	85.1	81.9
Inorganic chemicals	29	110.0	106.0	105.0	100.0	92.6	91.5	92.1
Dyes & colours	47	95.5	95.2	101.9	100.0	100.8	88.3	83.0
Medicinal products	39	120.7	117.5	106.8	100.0	100.8	102.3	100.1
Perfume, toilet preparations	42	107.7	106.9	105.9	100.0	97.0	94.6	93.1
Fertilizers manufactured	6	75.8	87.0	95.9	100.0	100.6	94.8	96.0
Plastics in primary forms	169	96.0	100.0	100.0	100.0	93.3	79.5	71.2
Plastics in non-primary forms	23	108.6	145.6	113.1	100.0	96.3	92.6	91.3
Chemical products nec	121	111.4	109.2	107.3	100.0	110.9	106.0	106.3
Manufactured Goods	772	94.4	102.9	105.4	100.0	96.8	93.6	92.0
Leather products nes	6	-	na	-	100.0	127.3	118.4	116.3
Rubber manufactures nec	32	98.6	100.7	101.2	100.0	101.3	97.2	103.6
Wood & cork manufactures	49	99.0	114.5	107.2	100.0	98.0	96.3	110.7
Paper manufactures	60	86.1	95.7	99.7	100.0	98.8	97.8	96.8
Textile manufactures	173	98.3	101.7	101.0	100.0	96.2	90.4	84.3
Non-metal mineral manufactures	70	88.1	91.1	95.3	100.0	103.0	102.6	101.7
Iron & steel	125	86.3	104.8	107.3	100.0	95.3	88.4	87.1
Non-ferrous metals	112	109.7	116.3	135.3	100.0	90.3	91.9	84.8
Metal manufactures	145	94.0	95.8	98.3	100.0	97.0	94.1	94.3
Machinery & Transport Equipment	5,031	107.9	103.8	103.6	100.0	94.8	89.2	87.7
Power generating machinery	181	99.8	98.8	99.1	100.0	97.3	95.5	99.7
Industrial machinery	270	128.7	124.4	124.9	100.0	100.2	95.9	99.9
Metalworking machinery	43	91.5	96.9	101.0	100.0	104.4	102.7	103.1
General industrial machinery	372	99.7	100.2	101.2	100.0	97.0	95.2	95.8
Office & data machines	1,709	115.3	113.0	109.8	100.0	87.3	78.8	74.3
Telecommunication apparatus	1,187	110.4	108.2	105.2	100.0	98.1	92.5	91.0
Electrical machinery nec	1,131	104.7	96.4	97.7	100.0	99.2	95.2	95.1
Road vehicles	138	103.2	101.1	102.0	100.0	100.6	98.1	101.0
Miscellaneous Manufactures	876	97.6	99.6	98.5	100.0	97.4	94.1	95.0
Prefab building, sanitary, lighting	8	107.6	105.6	105.0	100.0	97.4	93.9	94.9
Furniture, bedding, mattresses	35	95.4	97.9	100.1	100.0	98.8	98.5	99.1
Clothing	288	90.1	92.3	91.5	100.0	98.0	95.3	98.1
Footwear	15	96.4	99.5	100.8	100.0	100.5	96.7	97.3
Scientific instruments	125	106.5	106.0	102.5	100.0	98.8	97.4	103.7
Photographic apparatus	137	108.3	109.8	105.5	100.0	95.9	92.5	91.4
Miscellaneous mfd articles nec	268	100.2	102.9	102.1	100.0	96.4	91.2	88.6

14.8 BUILDING MATERIALS PRICE INDEX, 1983-1993

Section	All Items	Timber & Wood Products	Concrete Ingredients (Granite)	Paints	Cement	Bricks & Concrete Blocks	Tiles	Iron & Steel Products	Cables	Sanitary & Plumbing Fixtures	Others
Weights ¹	10,000	585	872	292	1,338	2,076	952	1,764	646	69	1,406
Period	1985 = 100										
1983	115.7	105.4	131.1	97.0	162.6	117.9	111.7	102.5	113.3	100.9	101.6
1984	107.7	103.7	118.4	98.5	121.9	113.9	108.9	100.8	111.5	100.0	101.8
1985	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1986	97.1	94.5	89.9	100.4	93.0	91.5	102.9	101.6	98.6	97.9	104.0
1987	97.1	98.1	84.3	105.7	93.4	84.1	107.7	109.2	101.3	98.7	101.0
1988	102.9	109.4	83.4	113.3	90.5	84.0	113.3	125.7	115.5	109.3	108.0
1989	113.0	110.6	82.6	116.8	123.7	94.0	113.2	131.2	130.0	115.5	118.8
1990	119.3	114.9	105.4	114.4	143.9	106.3	113.7	122.9	126.7	104.1	123.2
1991	122.7	111.2	116.5	114.6	151.4	114.4	114.0	119.0	123.5	102.7	128.9
1992	116.9	112.0	92.9	111.9	151.6	106.6	114.0	107.8	121.2	102.8	128.9
1993	118.2	122.6	91.0	120.1	149.6	110.8	110.5	106.4	121.1	102.6	133.4
Percentage Change Over Previous Year											
1983	-4.0	-3.5	-9.8	-	-1.2	2.1	-3.1	-8.3	4.6	-2.3	0.6
1984	-6.9	-1.6	-9.7	1.5	-25.1	-3.4	-2.5	-1.7	-1.6	-0.9	0.3
1985	-7.2	-3.6	-15.5	1.5	-17.9	-12.2	-8.2	-0.8	-10.3	-	-1.8
1986	-2.9	-5.5	-10.1	0.4	-7.0	-8.5	2.9	1.6	-1.4	-2.1	4.0
1987	-0.1	3.8	-6.3	5.3	0.3	-8.1	4.7	7.5	2.7	0.9	-2.9
1988	6.0	11.5	-1.0	7.2	-3.1	-0.2	5.2	15.0	14.0	10.6	7.0
1989	9.8	1.1	-0.9	3.1	36.7	12.0	-0.1	4.4	12.6	5.8	10.0
1990	5.6	3.8	27.5	-2.1	16.4	13.1	0.5	-6.3	-2.5	-9.9	3.7
1991	2.8	-3.2	10.7	0.2	5.2	7.6	0.2	-3.2	-2.6	-1.3	4.7
1992	-4.7	0.7	-20.3	-2.4	0.1	-6.8	-	-9.4	-1.9	0.1	-
1993	1.2	9.5	-2.1	7.3	-1.4	4.0	-3.1	-1.4	-0.1	-0.1	3.5

¹ The weights for indices after 1984 were based on the 1984 distribution pattern of building materials. Prior to 1985, the weights were based on the 1973 distribution pattern.

Source : Construction Industry Development Board with effect from October 1992

14.9 PRICE INDICES OF SELECTED FARM PRODUCTS, 1983-1993

Period	Pigs	Fowls	Ducks	Hen Eggs	Leafy Vegetables	Fruit Vegetables	Root Vegetables	Fresh Fish
1985 = 100								
1983	133.3	108.2	109.2	98.6	111.5	113.7	98.6	94.8
1984	100.8	102.9	115.6	110.7	106.9	110.6	111.9	102.5
1985	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1986	94.9	87.2	98.9	91.6	87.3	97.0	88.8	101.0
1987	98.1	87.7	94.3	91.6	102.9	106.5	88.8	97.7
1988	107.0	81.0	100.7	107.3	94.6	105.7	88.8	97.4
1989	104.2	89.8	104.5	91.5	91.0	97.8	95.1	98.2
1990	95.4	113.6	109.9	104.6	89.6	102.7	98.6	98.5
1991	80.4	99.0	97.8	104.2	104.6	109.5	105.9	99.8
1992	100.4	99.7	91.6	95.5	97.2	118.7	109.2	101.6
1993	89.8	106.5	89.9	91.4	97.4	111.7	107.6	101.8
Percentage Change Over Previous Year								
1983	0.8	-6.7	-10.2	-8.8	9.4	3.4	14.5	-0.2
1984	-24.4	-4.9	5.9	12.3	-4.1	-2.7	13.4	8.1
1985	-0.8	-2.8	-13.5	-9.7	-6.5	-9.6	-10.6	-2.4
1986	-5.1	-12.8	-1.1	-8.3	-12.6	-2.9	-11.1	1.0
1987	3.4	0.6	-4.7	-0.1	17.8	9.8	-	-3.2
1988	9.0	-7.6	6.9	17.1	-8.0	-0.8	-	-0.4
1989	-2.6	10.8	3.7	-14.7	-3.8	-7.5	7.0	0.9
1990	-8.5	26.4	5.2	14.2	-1.6	5.0	3.7	0.3
1991	-15.7	-12.8	-11.1	-0.4	16.7	6.6	7.5	1.2
1992	24.9	0.6	-6.3	-8.3	-7.1	8.4	3.0	1.8
1993	-10.5	6.8	-1.8	-4.3	0.2	-5.9	-1.4	0.3

Note : Prices used for the respective indices are auction prices for pigs and fresh fish, wholesale prices for fowls, retail prices for fruit and root vegetables, and ex-farm prices for ducks, hen eggs and leafy vegetables.

14.10 PROPERTY PRICE INDEX BY TYPE OF PROPERTY, 1983-1993
(1990 = 100)

Type of Property	All Properties	Residential						Commercial			Industrial		
		Total	Detached	Semi-detached	Terraced Houses	Private Flats	Condominium Units	Total	Offices	Shops	Total	Flatted Factories	Warehouses
Period \ Weights	10,000	8,357	1,114	990	1,500	1,513	3,240	1,232	586	646	411	354	57
1983	92.2	90.0	76.9	93.5	90.6	95.7	na	96.5	90.6	98.9	101.9	na	na
1984	84.9	85.2	76.9	93.5	89.0	84.9	81.6	79.6	70.2	88.5	90.4	na	na
1985	70.6	71.6	62.2	75.7	76.1	73.2	69.9	59.5	52.4	66.4	72.3	na	na
1986	61.7	63.9	62.3	68.9	65.0	58.5	60.7	54.1	44.2	63.5	53.8	na	na
1987	72.8	74.2	78.4	81.9	77.5	70.8	68.5	63.8	51.2	75.6	56.8	na	na
1988	76.7	78.9	81.8	84.3	81.4	79.5	74.9	68.2	61.2	74.5	57.1	na	na
1989	87.6	88.5	87.1	91.1	88.4	87.9	88.6	84.6	84.5	84.6	79.1	na	na
1990	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1991	109.1	110.5	111.2	113.2	112.3	115.0	106.3	100.0	97.1	102.6	110.4	111.3	104.8
1992	123.1	127.6	128.1	130.2	128.9	127.5	126.1	93.6	93.5	93.6	121.2	121.2	121.4
1993 ^p	153.1	163.4	188.0	188.1	173.9	152.6	147.6	91.6	92.5	90.7	129.3	129.2	130.3

Note : Data from 1992 are compiled from Caveats lodged with Registry of Land Titles and Deeds.

Source : Urban Redevelopment Authority

14.11 PRODUCE PRICES, 1983-1993

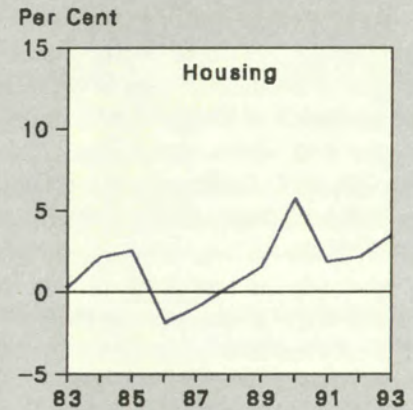
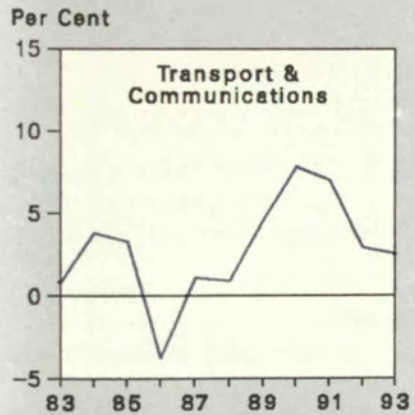
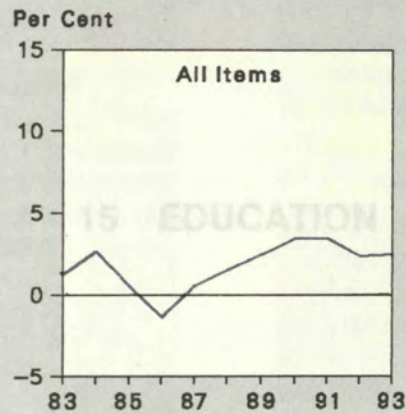
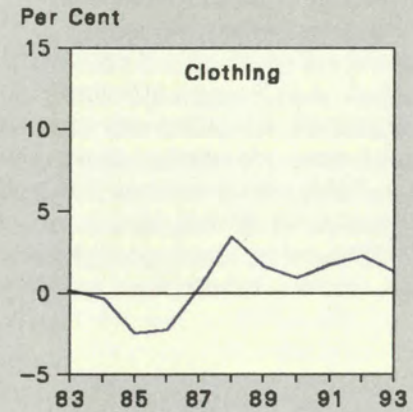
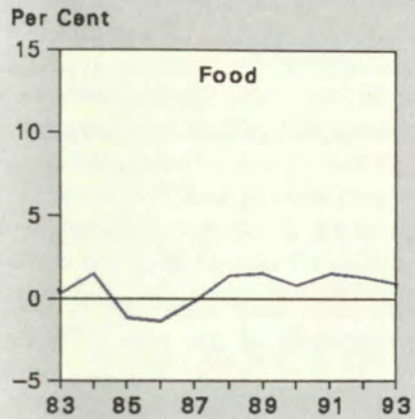
	Rubber						Pepper					
Year	Ribbed Smoked Sheet			Thin Pale Crepe		SSR 20	SSR 50	Black Lampong	White Muntok Genuine	Coffee AP 1	Crude Coconut Oil (in Drums)	Tin
	Int 2	Int 3	Int 4	Int 1	Int 9							
	Cents Per kilogram (fob)						Dollars Per 100 kilogram (fob)					RM Per Kilogram (fob)
1983	217.85	214.38	205.13	)	)	204.05	200.80	305.73	405.98	452.17	143.82	30.16
1984	196.73	193.91	186.88	)	)	195.17	193.22	436.72	658.21	583.75	218.58	29.16
1985	160.92	158.92	155.26	)	)	157.85	155.77	797.68	893.78	556.39	127.67	29.65
1986	171.45	169.40	165.32	)	)	165.83	162.79	996.57	1,292.33	668.73	64.25	15.50
1987	202.57	199.05	193.13	)	)	192.88	191.00	1,047.32	1,233.59	461.40	101.28	16.83
1988	232.86	230.49	226.31	304.58	310.58	220.94	219.17	665.89	938.80	424.65	124.52	18.46
1989	182.57	178.26	171.55	268.14	274.14	167.83	165.83	489.39	574.06	309.52	109.76	23.08
1990	153.98	148.94	144.96	231.11	237.11	141.30	139.30	321.47	335.81	201.75	74.91	16.44
1991	141.71	138.59	134.75	215.28	221.28	137.23	135.23	237.57	244.89	187.21	85.72	15.04
1992	138.84	137.26	134.17	206.01	212.01	137.34	135.34	175.56	217.60	164.13	106.49	15.21
1993	133.32	132.22	126.45	200.42	206.42	131.46	129.46	200.52	348.05	184.46	84.43	13.14

Note : Int = International
 SSR = Singapore Specified Rubber
 AP 1 = After Polished Grade 1
 RM = Ringgit Malaysia

Source : Rubber Association of Singapore
 Chinese Produce Exchange

CHART 20

ANNUAL CHANGES IN CONSUMER PRICE INDEX, 1983-1993



15 EDUCATION

Education is a broad term that covers a wide range of activities and institutions. It is the process of acquiring knowledge, skills, and values through formal and informal learning experiences. The field of education is constantly evolving, reflecting changes in society, technology, and the needs of learners. Key areas of focus include curriculum development, teaching methods, assessment, and the role of educators in shaping the future of their students. The importance of education is widely recognized, as it is the foundation for personal growth, social progress, and economic development.

Primary Education
The primary level of education is the first stage of formal schooling, typically lasting from ages 5 to 11. It focuses on basic literacy, numeracy, and social skills. The curriculum is designed to provide a solid foundation for further learning. Teachers play a crucial role in fostering a love for learning and instilling good study habits. Primary education is essential for ensuring that all children have access to basic knowledge and skills.

Secondary Education
Secondary education follows primary school and typically lasts from ages 12 to 18. It offers a more specialized curriculum, allowing students to explore different subjects in greater depth. The focus is on developing critical thinking, problem-solving, and independent learning skills. Students may choose to continue their education at the tertiary level or enter the workforce.

Tertiary Education
Tertiary education includes higher education, such as universities and colleges, and vocational training. It provides advanced knowledge and skills in specific fields, preparing students for professional careers. The tertiary level is characterized by rigorous academic standards and a focus on research and innovation.

Education Policy
Education policy refers to the government's strategy and plans for the education system. It outlines the goals, objectives, and standards for education at various levels. Policy-making involves balancing the needs of different stakeholders, including students, parents, teachers, and the community. Effective education policy is essential for ensuring the quality and equity of the education system.

Education Reform
Education reform refers to efforts to improve the education system through changes in policy, practice, and structure. This can include introducing new teaching methods, updating the curriculum, and improving teacher training. Reform is often driven by the need to address challenges such as declining enrollment, outdated curricula, and inequitable access to education.

Education Research
Education research involves the systematic study of education to improve understanding and practice. It includes a wide range of methods, from quantitative data analysis to qualitative case studies. Research findings are used to inform policy and practice, leading to more effective educational outcomes.

Education Technology
Education technology (edtech) refers to the use of digital tools and resources to enhance learning and teaching. This includes online learning platforms, interactive software, and digital content. Edtech has the potential to revolutionize education by providing personalized learning experiences and increasing access to quality education.

15 EDUCATION

A child in Singapore normally undergoes at least six years of primary education and four years of secondary education. A fundamental feature of our education system is the Bilingual Policy which ensures that each student learns both English and his mother tongue, so as to maintain an awareness of his cultural heritage whilst learning the skills to function in a modern, industrialized economy.

Primary Education

At the Primary level, pupils go through a four-year foundation stage (from Primary One to Four), and a two-year orientation stage (from Primary Five to Six). At the foundation stage, the emphasis is basic literacy and numeracy skills. Eighty per cent of curriculum time is devoted to giving pupils a working knowledge of English and a good grounding in the mother tongue and Mathematics. Pupils also learn subjects like Music, Art and Crafts, Health Education and Moral Education, and participate in Physical Education and Extra-Curricular Activities.

Formal streaming takes place at the end of Primary Four. Pupils are placed in different language streams according to their abilities. At the end of primary schooling, all pupils will sit the Primary School Leaving Examination (PSLE),

the purpose of which is to assess pupils' ability and place them in the right secondary school course to suit their learning pace and aptitude.

Secondary Education

Secondary education may take four or five years, again depending on the ability of the pupils. Pupils in the Special and Express courses sit for the General Certificate of Education 'Ordinary' Level Examination (GCE 'O' Level) at the end of their fourth year. Pupils in the Normal Course sit the General Certificate of Education 'Normal' Level Examination (GCE 'N' Level) at the end of their fourth year. Those who do well may do a fifth year of study in preparation for the GCE 'O' Levels. In the first two years of secondary education, all pupils go through a common curriculum, and by secondary three, pupils may choose to be in either the Arts, Science, Commerce or Technical stream, and study subjects relevant to that stream for the GCE 'O' Levels. Pupils can also take up a third language such as French, German or Japanese.

Pre-University Education

Pupils may join the technical or commercial institutes

under the Institute of Technical Education (ITE) after their 'O' and 'N' Level examinations. Those who have obtained 3 or more passes in the GCE 'O' Level may apply through the "Joint Admissions Exercise" for admission to the Polytechnics to do diploma courses, or if they wish to pursue further academic courses, may go on to a pre-university education. Pre-university education may be either two years in a junior college or three years in a centralised institute or pre-university centre. At the end of their pre-university course, pupils will sit for the General Certificate of Education 'Advanced' Level Examination (GCE 'A' Level). If they do well in the 'A' levels, they may further their education in either the Polytechnics or the Universities.

Sources of Data

Data on school enrolment and teachers in Government and Government-Aided schools are extracted from the relevant computer databanks in the Ministry of Education. Statistics on private schools are compiled from their submissions to the Private Schools Unit of the Ministry of Education. These are the mid-year figures.

Detailed educational statistics may be obtained from the annual 'Education Statistics Digest' published by the Ministry of Education.

Institute of Technical Education

The Institute of Technical Education, Singapore (ITE)

took over the functions of the former Vocational & Industrial Training Board (VITB) on 1 April 1992. The two former EDB institutes, namely, Precision Engineering Institute and Phillips-Government Training Centre were transferred to ITE in April 1993. Data on ITE for 1993 include these two institutes. As a post-secondary institution, ITE offers technical education and training programmes for secondary school leavers and adult workers. Full-time institutional training and apprenticeship programmes are offered to secondary school leavers, while skills training and worker education programmes are offered to workers under the Continuing Education and Training (CET) programmes. The ITE also conducts tests and examinations for public candidates.

Full-time technical and business studies courses are offered to school leavers with GCE 'O' and 'N' level qualifications. Technical training courses lead to the award of the Industrial Technician Certificate (ITC) and the National Technical Certificate (NTC). Business Studies courses lead to the award of the Certificate in Business Studies (CBS) and the Certificate in Office Skills (COS).

The New Apprenticeship System (NAS) provides an attractive alternative avenue for school leavers to earn as they learn. Training is conducted on- and off-the job. The latter is conducted either in ITE institutes or approved company training centres. Most apprenticeship programmes under the NAS lead to NTC level certification and cater to the needs of the manufacturing sector. Other courses available are Certificate in Health Care (In-patient and Out-patient),

Certificate in Travel Services (General), Certificate in Retailing (Sales and Customer Service) and Certificate in Officer Skills.

ITE also offers national worker education programmes, namely, Basic Education for Skills Training (BEST) and Worker Improvement through Secondary Education (WISE). The BEST programme aims to upgrade the education of workers in English Language and Mathematics to primary education level. The objective is to enable them to communicate effectively at the workplace and prepare them for skills upgrading. The WISE programme aims at upgrading workers' education in English Language and Mathematics up to the secondary education level.

The ITE also offers part-time and weekend continuing (academic) education programmes from Secondary 1 Normal to GCE 'N', GCE 'O' and GCE 'A' levels. These programmes provide working adults the opportunity to acquire academic qualifications which are otherwise attained through the formal schools system.

For upgrading workers' skills, ITE offers broad-based technical training courses leading to national certification at Certificate of Competency (CoC) and NTC levels. The courses are the Modular Skills Training (MOST), Training Initiative for Mature Employees (TIME) and Adult Cooperative Training Scheme (ACTS) programmes.

MOST is for workers who lack basic technical skills, need new skills or wish to upgrade their existing skills. TIME is for workers who are above 40 years old without formal

education. It enables older workers to retrain and upgrade their skills.

ACTS is a relatively new programme launched in 1992. Complementing TIME, ACTS has been structured as an industry-based training programme in the apprenticeship mode for young adult workers to learn new skills through on-the-job and off-the-job training.

Workers who possess the requisite technical skills and experience and academic competency can obtain certification of their skills and competency by taking public trade tests and examinations conducted by ITE. The ITE conducts public tests in a wide range of subjects at the NTC-2, NTC-3 and CoC levels and public examinations for the BEST and WISE programmes.

Higher Learning

The institutions of higher learning in Singapore are the National University of Singapore, the Nanyang Technological University, the Singapore Polytechnic, the Ngee Ann Polytechnic, the Temasek Polytechnic and the Nanyang Polytechnic.

The National University of Singapore was established in August 1980 with the merger of the University of Singapore (founded in 1962) and Nanyang University (founded in 1956). The University of Singapore had its origins in the King Edward VII College of Medicine (opened in 1905) and Raffles College

which was established in 1929 for the teaching of Arts and Science. These two Colleges were amalgamated to form the University of Malaya in 1949 to which the University of Singapore was a successor. The University has eight faculties, namely, Architecture and Building, Arts and Social Sciences, Business Administration, Dentistry, Engineering, Law, Medicine and Science. All faculties offer courses leading to first degrees as well as higher degrees. There are also 4 postgraduate schools for Medical Studies, Dental Studies, Management Studies and Engineering. In addition, the University has three non-faculty departments - Department of Extra-mural Studies, English Language Proficiency Unit and Human Resource Management Unit.

To provide facilities for research and further training in the fields of Computing and Information Systems, Molecular Biology and Micro-electronics, the University has established the Institute of Systems Science, the Institute of Molecular and Cell Biology and the Institute of Micro-electronics.

Research is top priority at the University. Strong encouragement is given to multi-disciplinary research and joint R & D projects with industry. The setting up of research institutes and centres of excellence for research and training is being done to enable staff and students to be actively engaged in research.

The Nanyang Technological University (NTU) was established on 1 July 1991. It has its origin in the former Nanyang Technological Institute (NTI) which was set up in 1981. In its main campus in Jurong, there are six schools,

namely, School of Accountancy and Business, School of Applied Science, School of Civil and Structural Engineering, School of Electrical and Electronic Engineering, School of Mechanical and Production Engineering and School of Communication Studies.

NTU places top priority in relating its professional courses to the requirements of industry and business. Apart from the undergraduate courses, NTU offers postgraduate programmes leading to the award of higher degrees as well as postgraduate diplomas. To facilitate research and advanced training, various research institutes and centres of excellence are set up at the University.

The National Institute of Education (NIE), formed in July 1991 by the merging of the former Institute of Education and the College of Physical Education, became part of NTU on the same day. Located at the University's branch campus in Bukit Timah, NIE provides professional training for teachers as well as the study of Science, Physical Education, the Humanities and Fine Arts in its four schools, respectively the Schools of Education, Science, Physical Education and Arts.

Four-year courses leading to either a Bachelor of Arts or Bachelor of Science degree with Diploma In Education were introduced for the first time in 1991. NIE also offers the Postgraduate Diploma in Education programmes for university graduates, and the two-year Diploma in Education and Diploma in Physical Education programmes for holders of GCE 'A' level qualifications. In addition to the pre-service

training courses, NIE also conducts a variety of in-service training programmes.

There are four polytechnics offering a wide range of engineering/technology, business and management courses at diploma and post-diploma levels. They are the Singapore Polytechnic, Ngee Ann Polytechnic, Temasek Polytechnic and Nanyang Polytechnic. Each of the polytechnics specializes in specific fields, in addition to various basic engineering and general business and management and health science courses. Some of the specialized courses include Banking and Financial Services, Risk and Insurance Management, Accountancy, Chemical Process Technology, Biotechnology, Visual Communication and Product Design, Mass

Communication, Tourism Management, Nautical Studies, Maritime Transportation, Plastic Mould Design, Environmental Engineering, Quality Assurance Engineering, Software Engineering, Nursing, Occupational Therapy, Physiotherapy and Radiography. Some of the specialized courses are conducted on a part-time basis for working adults.

Expenditure on Education

Education has been a major item of public expenditure, accounting for about one-fifth of the total government recurrent expenditure. A substantial proportion of the cost of education is subsidized by the State.

15.1 ENROLMENT IN EDUCATIONAL INSTITUTIONS, 1983-1993

Year	Total	Primary Schools	Secondary				Pre-University ¹				Institute of Technical Education ²	Institutions of Higher Learning ³
			Total	Academic	Technical	Commercial	Total	Academic	Technical	Commercial		
1983	521,420	290,800	161,936	137,173	18,226	6,537	20,407	13,693	134	6,580	17,132	31,145
1984	528,502	288,623	164,928	138,388	19,071	7,469	22,836	15,800	-	7,036	16,172	35,943
1985	529,462	278,060	164,168	136,268	19,782	8,118	26,160	18,167	-	7,993	21,161	39,913
1986	537,663	268,820	173,990	142,945	21,601	9,444	29,098	20,145	-	8,953	23,438	42,317
1987	536,785	261,603	172,054	141,658	20,876	9,520	30,803	20,985	-	9,818	27,349	44,976
1988	537,618	259,270	168,587	139,787	19,622	9,178	33,168	22,259	-	10,909	29,604	46,989
1989	537,995	257,833	166,274	139,464	17,730	9,080	32,802	21,598	-	11,204	30,344	50,742
1990	534,165	257,932	161,029	136,365	15,819	8,845	30,430	19,435	-	10,995	29,102	55,672
1991	535,239	260,286	157,282	132,600	15,330	9,352	28,431	17,708	-	10,723	28,871	60,369
1992	538,503	262,599	156,362	131,260	15,421	9,681	25,787	16,431	-	9,356	27,984	65,771
1993	540,867	261,534	155,834	131,386	15,280	9,168	24,895	16,502	-	8,393	24,954	73,650

1 Include Pre-U Centres, Centralised Institutes and Junior Colleges.

2 Figures prior to 1993 include former EDB institutes, and for 1993 include the two former EDB institutes, namely, Precision Engineering Institute and Phillips-Government Training Centre which were transferred to ITE in April 1993.

3 Include National University of Singapore, Nanyang Technological University (NTU), Singapore Polytechnic, Ngee Ann Polytechnic, Temasek Polytechnic and Nanyang Polytechnic.

Source : Ministry of Education

15.2 STUDENTS AND TEACHERS IN EDUCATIONAL INSTITUTIONS, END JUNE 1993

Number

	Institutions ¹	Students			Teachers		
		Total	Males	Females	Total	Males	Females
Total	391	540,867	289,209	251,658	27,533	11,459	16,074
Primary Schools	193	261,534	137,762	123,772	10,711	2,604	8,107
Secondary Schools	144	155,834	79,756	76,078	7,555	2,852	4,703
Pre-U Centres ² & Centralised Institutes ³	16 ⁴	5,799	2,000	3,799	-	-	-
Junior Colleges	14	19,096	8,902	10,194	1,613	610	1,003
Institute of Technical Education	17	24,954	18,851	6,103	1,359	991	368
Polytechnics	4	40,559	24,409	16,150	2,910	1,951	959
National Institute of Education	1	2,453	609	1,844	287	143	144
National University of Singapore & Nanyang Technological University	2	30,638	16,920	13,718	3,098	2,308	790

1 A school conducting both primary and secondary classes is treated as one primary and one secondary school.

2 Teachers teaching in Pre-U Centres are included under Secondary Schools.

3 Teachers teaching in Centralised Institutes are included under Junior Colleges.

4 Include 9 Pre-U Centres where Pre-U classes are held in Secondary Schools.

Source : Ministry of Education

15.3 PRIMARY SCHOOLS, STUDENTS AND TEACHERS BY TYPE OF SCHOOL, 1983-1993

	Number										
	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Total Schools	305	275	252	236	230	221	212	208	202	194	193
Government	207	193	180	172	169	166	158	157	152	145	145
Government-aided	96	81	71	63	60	54	53	50	49	48	47
Private	2	1	1	1	1	1	1	1	1	1	1
Total Students	290,800	288,623	278,060	268,820	261,603	259,270	257,833	257,932	260,286	262,599	261,534
Government	219,742	219,930	211,855	205,281	199,174	198,429	196,186	195,994	197,491	198,481	196,239
Government-aided	70,862	68,564	66,020	63,387	62,225	60,688	61,504	61,763	62,618	63,984	65,163
Private	196	129	185	152	204	153	143	175	177	134	132
Total Teachers¹	9,915	10,416	10,351	10,256	10,190	9,962	9,998	10,006	9,843	10,188	10,711
Government	7,854	7,958	7,917	7,921	7,893	7,798	7,797	7,848	7,677	7,682	8,173
Government-aided	2,061	2,458	2,434	2,335	2,297	2,164	2,201	2,158	2,166	2,506	2,538

1 Exclude kindergarten, relief teachers, teachers in ECA Centre and headquarters and those seconded to statutory boards and other ministries.

Source : Ministry of Education

15.4 ENROLMENT IN GOVERNMENT AND GOVERNMENT-AIDED PRIMARY SCHOOLS BY LEVEL AND AGE, END JUNE 1993

a) Males

Number

Age Level & Course	Total	Under 7 Years	7 & Under 8	8 & Under 9	9 & Under 10	10 & Under 11	11 & Under 12	12 & Under 13	13 & Under 14	14 & Under 15	15 & Over
Total	137,683	19,610	21,613	21,265	20,710	21,823	21,596	6,496	4,370	167	33
Primary 1	19,839	19,606	177	45	9	2	-	-	-	-	-
Primary 2	21,758	4	21,424	238	79	12	1	-	-	-	-
Primary 3	21,466	-	12	20,973	319	129	27	6	-	-	-
Primary 4	20,868	-	-	9	20,286	336	185	36	16	-	-
Primary 5											
EM1	2,943	-	-	-	4	2,852	55	28	4	-	-
EM2	16,822	-	-	-	13	16,190	374	188	48	9	-
EM3	2,351	-	-	-	-	2,293	35	16	6	1	-
Primary 6											
EM1	2,476	-	-	-	-	1	2,433	31	8	3	-
EM2	18,865	-	-	-	-	8	15,109	3,176	492	67	13
EM3	5,614	-	-	-	-	-	3,339	1,922	329	20	4
Primary 8											
Extended	3,432	-	-	-	-	-	1	1,067	2,300	55	9
Monolingual	139	-	-	-	-	-	-	1	137	1	-
EM3	1,110	-	-	-	-	-	37	25	1,030	11	7

Source : Ministry of Education

Notes: EM1 refers to the stream where pupils learn English and the mother tongue at higher level (Higher Chinese, Higher Malay or Higher Tamil formerly known as CL1, ML1 and TL1).

EM2 refers to the stream where pupils learn English and the mother tongue (Chinese, Malay or Tamil formerly known as CL2, ML2 and TL2).

EM3 refers to the stream where pupils learn English and the mother tongue at basic proficiency level (Chinese, Malay or Tamil).

15.4 ENROLMENT IN GOVERNMENT AND GOVERNMENT-AIDED PRIMARY SCHOOLS BY LEVEL AND AGE, END JUNE 1993
b) Females

Age Level & Course		Number										
		Total	Under 7 Years	7 & Under 8	8 & Under 9	9 & Under 10	10 & Under 11	11 & Under 12	12 & Under 13	13 & Under 14	14 & Under 15	15 & Over
Total		123,719	17,973	19,930	19,288	18,965	19,907	19,849	4,687	3,027	80	13
Primary 1		18,216	17,971	199	35	10	1	-	-	-	-	-
Primary 2		19,978	2	19,719	193	57	5	2	-	-	-	-
Primary 3		19,412	-	12	19,044	252	90	12	2	-	-	-
Primary 4		19,132	-	-	16	18,632	324	125	30	5	-	-
Primary 5												
EM1		3,425	-	-	-	2	3,337	58	24	3	1	-
EM2		15,360	-	-	-	12	14,925	277	126	18	2	-
EM3		1,252	-	-	-	-	1,219	22	8	2	1	-
Primary 6												
EM1		3,066	-	-	-	-	-	3,028	28	9	1	-
EM2		17,298	-	-	-	-	6	14,292	2,602	366	28	4
EM3		3,169	-	-	-	-	-	2,022	959	170	15	3
Primary 8												
Extended		2,697	-	-	-	-	-	-	902	1,766	24	5
Monolingual		80	-	-	-	-	-	-	-	80	-	-
EM3		634	-	-	-	-	-	11	6	608	8	1

Source : Ministry of Education

15.5 SECONDARY SCHOOLS, STUDENTS AND TEACHERS BY TYPE OF SCHOOL, 1983-1993

Number

Type of School	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Total Schools	147	150	149	157	161	161	164	164	164	160	162
Government	93	98	98	109	113	113	116	115	115	111	112
Government-aided & Independent	50	48	47	44	44	44	44	45	45	45	46
Private	4	4	4	4	4	4	4	4	4	4	4
Total Students	182,343	187,764	190,328	203,088	202,857	201,755	199,076	191,459	185,713	182,149	180,729
Government	133,839	137,400	137,526	149,296	148,240	147,596	145,587	137,800	133,327	129,708	125,964
Government-aided & Independent	46,629	48,445	50,763	51,840	52,885	52,589	51,971	51,956	50,643	50,787	53,290
Private	1,875	1,919	2,039	1,952	1,732	1,570	1,518	1,703	1,743	1,654	1,475
Total Teachers¹	8,650	8,240	8,574	8,703	9,378	9,040	9,236	9,197	9,200	9,278	9,168
Government	5,946	6,006	6,261	6,461	6,960	6,806	6,834	6,698	6,688	6,744	6,553
Government-aided & Independent	2,625	2,150	2,227	2,159	2,341	2,161	2,338	2,428	2,445	2,469	2,555
Private ²	79	84	86	83	77	73	64	71	67	65	60

1 Exclude relief teachers, teachers in ECA Centre and headquarters and those seconded to statutory boards and other ministries.

Source : Ministry of Education

2 Include teachers teaching primary classes.

15.6 ENROLMENT IN GOVERNMENT AND GOVERNMENT-AIDED SECONDARY SCHOOLS BY LEVEL AND AGE, END JUNE 1993
a) Males

Age Level & Course		Number										
		Total	Under 12 Years	12 & Under 13	13 & Under 14	14 & Under 15	15 & Under 16	16 & Under 17	17 & Under 18	18 & Under 19	19 & Under 20	20 & Over
Total		90,077	12	14,742	16,751	17,880	17,210	13,172	7,696	1,983	514	117
Secondary 1												
Special		1,419	-	1,382	28	6	2	1	-	-	-	-
Express		10,044	11	8,871	553	541	52	15	1	-	-	-
Normal		7,088	1	4,475	1,315	1,247	45	5	-	-	-	-
Secondary 2												
Special		1,402	-	1	1,349	30	20	2	-	-	-	-
Express		10,256	-	13	9,061	618	496	62	5	1	-	-
Normal		7,216	-	-	4,437	1,490	1,213	67	9	-	-	-
Secondary 3												
Special		1,362	-	-	-	1,301	55	6	-	-	-	-
Express		10,251	-	-	8	8,729	872	558	69	15	-	-
Normal		6,753	-	-	-	3,897	1,564	1,223	55	11	2	1
Secondary 4												
Special		1,372	-	-	-	3	1,281	74	14	-	-	-
Express		10,241	-	-	-	18	8,210	1,393	562	43	13	2
Normal		6,226	-	-	-	-	3,389	1,786	993	52	6	-
Secondary 5												
Normal		5,889	-	-	-	-	-	3,513	1,640	681	43	12
Pre-University 1		487	-	-	-	-	-	275	151	58	3	-
Pre-University 2		519	-	-	-	-	-	-	244	194	77	4
Pre-University 3		650	-	-	-	-	-	-	-	297	263	90
Junior College 1		4,684	-	-	-	-	11	4,177	405	89	2	-
Junior College 2		4,218	-	-	-	-	-	15	3,548	542	105	8

Source : Ministry of Education

15.6 ENROLMENT IN GOVERNMENT AND GOVERNMENT-AIDED SECONDARY SCHOOLS BY LEVEL AND AGE, END JUNE 1993

b) Females

Number

Age Level & Course	Total	Under 12 Years	12 & Under 13	13 & Under 14	14 & Under 15	15 & Under 16	16 & Under 17	17 & Under 18	18 & Under 19	19 & Under 20	20 & Over
Total	89,177	8	14,795	16,218	17,428	16,703	13,039	7,954	2,283	630	119
Secondary 1											
Special	1,320	1	1,277	30	8	4	-	-	-	-	-
Express	10,685	7	9,569	601	471	31	5	1	-	-	-
Normal	6,124	-	3,940	1,169	992	21	2	-	-	-	-
Secondary 2											
Special	1,280	-	1	1,238	33	7	1	-	-	-	-
Express	10,460	-	8	9,452	619	345	32	3	1	-	-
Normal	5,822	-	-	3,711	1,219	858	29	5	-	-	-
Secondary 3											
Special	1,153	-	-	2	1,106	36	8	1	-	-	-
Express	10,769	-	-	15	9,579	696	437	37	5	-	-
Normal	5,440	-	-	-	3,394	1,179	830	34	2	1	-
Secondary 4											
Special	1,210	-	-	-	-	1,147	50	11	2	-	-
Express	10,636	-	-	-	7	9,146	1,073	378	25	7	-
Normal	5,621	-	-	-	-	3,221	1,528	838	28	5	1
Secondary 5											
Normal	5,257	-	-	-	-	-	3,390	1,288	554	20	5
Pre-University 1											
	886	-	-	-	-	-	583	242	57	4	-
Pre-University 2											
	1,054	-	-	-	-	-	-	630	324	98	2
Pre-University 3											
	1,266	-	-	-	-	-	-	2	733	424	107
Junior College 1											
	5,529	-	-	-	-	12	5,068	387	55	6	1
Junior College 2											
	4,665	-	-	-	-	-	3	4,097	497	65	3

Source : Ministry of Education

**15.7 ENROLMENT AT PRIMARY LEVELS IN PRIVATE REGULAR SCHOOLS
BY LEVEL AND AGE, END JUNE 1993**

Level \ Age												Number
	Total	Under 7 Years	7 & Under 8	8 & Under 9	9 & Under 10	10 & Under 11	11 & Under 12	12 & Under 13	13 & Under 14	14 & Under 15	15 & Over	
Males												
Total	79	1	7	5	5	6	7	6	11	21	10	
Primary 1	6	1	3	1	1	-	-	-	-	-	-	
Primary 2	5	-	4	1	-	-	-	-	-	-	-	
Primary 3	5	-	-	3	1	-	1	-	-	-	-	
Primary 4	14	-	-	-	3	4	2	3	1	1	-	
Primary 5	14	-	-	-	-	1	3	1	5	4	-	
Primary 6	35	-	-	-	-	1	1	2	5	16	10	
Females												
Total	53	2	2	3	4	6	4	1	5	17	9	
Primary 1	2	2	-	-	-	-	-	-	-	-	-	
Primary 2	3	-	2	1	-	-	-	-	-	-	-	
Primary 3	2	-	-	2	-	-	-	-	-	-	-	
Primary 4	4	-	-	-	3	-	-	1	-	-	-	
Primary 5	9	-	-	-	1	5	1	-	1	1	-	
Primary 6	33	-	-	-	-	1	3	-	4	16	9	

Source : Ministry of Education

**15.8 ENROLMENT AT SECONDARY LEVELS IN PRIVATE REGULAR SCHOOLS
BY LEVEL AND AGE, END JUNE 1993**

Age		Number										
Level		Total	11 & Under 12	12 & Under 13	13 & Under 14	14 & Under 15	15 & Under 16	16 & Under 17	17 & Under 18	18 & Under 19	19 & Under 20	20 & Over
		Males										
Total		581	-	7	8	35	54	67	86	136	106	82
Secondary 1		95	-	7	6	27	35	10	7	2	1	-
Secondary 2		69	-	-	2	5	14	25	12	6	2	3
Secondary 3		43	-	-	-	3	3	13	12	7	2	3
Secondary 4		30	-	-	-	-	2	7	7	8	3	3
Pre-University 1		148	-	-	-	-	-	12	31	56	35	14
Pre-University 2		189	-	-	-	-	-	-	17	57	61	54
Pre-University 3		7	-	-	-	-	-	-	-	-	2	5
		Females										
Total		894	-	4	7	50	52	112	155	238	175	101
Secondary 1		95	-	4	6	39	15	18	8	1	2	2
Secondary 2		84	-	-	1	6	30	29	8	8	2	-
Secondary 3		71	-	-	-	5	6	24	23	11	2	-
Secondary 4		51	-	-	-	-	1	3	6	22	15	4
Pre-University 1		275	-	-	-	-	-	38	86	87	44	20
Pre-University 2		233	-	-	-	-	-	-	22	84	76	51
Pre-University 3		85	-	-	-	-	-	-	2	25	34	24

Source : Ministry of Education

15.9 ENROLMENT IN INSTITUTIONS OF HIGHER LEARNING, 1983-1993

Number

Year	Total ¹		National University ² of Singapore		Nanyang Technological University ³		National Institute of Education ³	
	Males	Females	Males	Females	Males	Females	Males	Females
1983	19,295	11,850	6,213	6,830	1,147	120	237	864
1984	22,582	13,361	6,567	7,329	1,715	230	190	639
1985	25,075	14,838	7,299	7,694	1,825	253	268	964
1986	26,470	15,847	7,840	7,944	1,900	302	282	1,206
1987	27,812	17,164	7,737	7,229	2,454	1,486	271	1,188
1988	28,664	18,325	8,254	7,945	2,650	1,751	215	863
1989	30,368	20,374	8,303	8,309	3,357	2,125	365	1,177
1990	32,692	22,980	8,718	8,658	4,265	2,700	433	1,348
1991	34,928	25,441	8,339	8,580	5,937	3,189	415	1,597
1992	37,703	28,068	8,731	8,806	6,968	3,661	487	1,601
1993	41,938	31,712	9,208 ^p	9,111 ^p	7,712	4,607	609	1,844

1 Include part-time students.

2 Include enrolment for both undergraduate and postgraduate courses.

3 Nanyang Technological University (NTU) was established in July 1991, with its origin in the former Nanyang Technological Institute. National Institute of Education, formed in July 1991 by merging of the former Institute of Education and College of Physical Education, is part of NTU.

15.9 ENROLMENT IN INSTITUTIONS OF HIGHER LEARNING, 1983-1993 (continued)

Year	Singapore Polytechnic		Ngee Ann Polytechnic		Temasek Polytechnic		Nanyang Polytechnic ⁴	
	Males	Females	Males	Females	Males	Females	Males	Females
1983	8,523	2,386	3,175	1,650	-	-	-	-
1984	9,565	2,789	4,545	2,374	-	-	-	-
1985	9,965	2,880	5,718	3,047	-	-	-	-
1986	10,022	2,885	6,426	3,510	-	-	-	-
1987	10,529	3,224	6,821	4,037	-	-	-	-
1988	10,479	3,553	7,066	4,213	-	-	-	-
1989	10,676	4,059	7,667	4,704	-	-	-	-
1990	10,921	4,632	8,180	5,111	175	531	-	-
1991	11,162	5,404	8,610	5,668	465	1,003	-	-
1992	11,662	6,084	8,954	5,863	778	1,490	123	563
1993	12,215	6,479	8,929	5,752	1,281	1,826	1,984	2,093

4 Include students in the former German-Singapore Institute and French-Singapore Institute which were transferred to Nanyang Polytechnic in Feb 1993.

Source : National University of Singapore
Nanyang Technological University
Singapore Polytechnic
Ngee Ann Polytechnic
Temasek Polytechnic
Nanyang Polytechnic

15.10 MALE STUDENTS ADMITTED TO INSTITUTIONS OF HIGHER LEARNING, 1983/84 -1993/94

Session		Number										
Course		1983/84	1984/85	1985/86	1986/87	1987/88	1988/89	1989/90	1990/91	1991/92	1992/93	1993/94
	Total	7,060	8,902	8,967	8,373	9,035	9,177	10,155	11,006	11,216	12,451	13,551
National University of Singapore (NUS) ¹		1,683	2,224	2,346	2,316	2,160	2,646	2,470	2,623	1,985	1,953	2,121
Arts & Social Sciences		172	223	242	262	238	321	313	391	410	357	370
Science ²		281	411	369	473	443	578	543	609	584	668	705
Medicine		134	157	143	128	102	97	99	100	97	115	110
Dentistry		23	35	29	22	21	24	23	25	28	19	24
Law		94	107	113	105	109	116	97	91	100	83	90
Business Administration		123	141	199	196	171	204	207	219	278	141	183
Accountancy ³		81	101	122	134	-	-	-	-	-	-	-
Architecture, Building & Estate Management		114	173	143	121	100	84	101	115	118	140	110
Engineering		661	876	986	875	976	1,222	1,087	1,073	370	430	529
Nanyang Technological University (NTU) ^{4 & 5}		153	153	140	102	322	336	756	1,061	1,831	2,127	1,947
Engineering ⁵		153	153	140	102	129	134	345	441	1,112	1,251	1,123
Accountancy ³		-	-	-	-	193	202	223	318	313	298	271
Business		-	-	-	-	-	-	65	110	142	234	211
Communication Studies		-	-	-	-	-	-	-	-	-	-	28
Computer Technology		-	-	-	-	-	-	123	192	216	274	219
Materials Engineering		-	-	-	-	-	-	-	-	35	33	52
Arts with Diploma in Education		-	-	-	-	-	-	-	-	7	24	29
Science with Diploma in Education		-	-	-	-	-	-	-	-	6	13	14
National Institute of Education (NIE) ⁶		176	154	225	169	222	200	287	313	189	386	386

1 Cover undergraduates only.

2 Include Pharmacy, Information System and Computer Science.

3 The School of Accountancy was transferred from NUS to the former Nanyang Technological Institute in July 1987.

4 NTU was established in July 1991, with its origin in the former Nanyang Technology Institute.

5 Exclude second year engineering students transferred from NUS. No more streaming from NUS into 2nd year from 1992/93 onwards.

6 NIE, formed in July 1991 by merging of the former Institute of Education and College of Physical Education, is part of NTU.

15.10 MALE STUDENTS ADMITTED TO INSTITUTIONS OF HIGHER LEARNING, 1983/84-1993/94 (continued)

		Number										
Course \ Session		1983/84	1984/85	1985/86	1986/87	1987/88	1988/89	1989/90	1990/91	1991/92	1992/93	1993/94
Singapore Polytechnic ⁷		3,700	4,109	3,820	3,510	3,846	3,482	3,715	3,891	3,962	4,367	4,525
Engineering ⁸		3,017	3,519	3,333	3,140	3,409	2,984	3,148	3,197	3,297	3,449	3,543
Architecture & Building		450	416	351	229	198	213	226	219	155	278	288
Nautical ⁹		105	87	71	71	83	62	75	114	153	171	167
Business ¹⁰		128	87	65	70	106	100	207	192	230	284	302
Computer ¹¹		-	-	-	-	50	123	59	169	127	185	225
Ngee Ann Polytechnic ¹²		1,348	2,262	2,436	2,276	2,485	2,513	2,927	2,936	2,918	3,115	2,711
Engineering		1,081	1,985	2,159	1,908	2,128	2,215	2,564	2,646	2,582	2,652	2,183
Business Studies & Accountancy		192	167	228	301	279	220	254	209	247	293	308
Computer Studies		75	110	49	67	78	78	99	71	72	135	168
Mass Communication & Film, Sound & Video ¹³		-	-	-	-	-	-	10	10	17	35	52
Temasek Polytechnic ¹⁴		-	-	-	-	-	-	-	182	331	381	712
Business		-	-	-	-	-	-	-	79	121	103	144
Design		-	-	-	-	-	-	-	103	53	78	99
Science & Technology		-	-	-	-	-	-	-	-	157	-	-
Information Technology & Applied Science ¹⁵		-	-	-	-	-	-	-	-	-	72	201
Engineering		-	-	-	-	-	-	-	-	-	128	268
Nanyang Polytechnic ¹⁶		-	-	-	-	-	-	-	-	-	122	1,149
Business		-	-	-	-	-	-	-	-	-	84	107
Health Science		-	-	-	-	-	-	-	-	-	38	59
Engineering		-	-	-	-	-	-	-	-	-	-	903
Information Technology		-	-	-	-	-	-	-	-	-	-	80

Source : National University of Singapore
Nanyang Technological University
Singapore Polytechnic
Ngee Ann Polytechnic
Temasek Polytechnic
Nanyang Polytechnic

- 7 Include part-time students.
8 Include technology courses, eg Biotechnology.
9 Include Maritime Transportation.
10 From 1993/94 it was known as Business and include Accountancy, Banking and Finance.
11 Refer to courses conducted by Japan-Singapore Institute of Software Technology, The Institute was transferred to Singapore Polytechnic with effect from 1 April 1987.
12 Include part-time students enrolled in full-time equivalent diploma courses which were introduced in 1985/86.
13 The course Film, Sound & Video commenced in 1993/94.
14 Temasek Polytechnic was established in April 1990.
15 Include part-time students enrolled in full-time equivalent diploma course which was introduced in 1992/93.
16 Nanyang Polytechnic was established in April 1992.

15.11 FEMALE STUDENTS ADMITTED TO INSTITUTIONS OF HIGHER LEARNING, 1983/84 -1993/94

Session		Number										
Course		1983/84	1984/85	1985/86	1986/87	1987/88	1988/89	1989/90	1990/91	1991/92	1992/93	1993/94
Total		4,902	5,090	5,585	5,820	6,461	6,738	7,731	8,921	9,283	10,761	11,436
National University of Singapore (NUS) ¹		2,478	2,217	2,308	2,581	2,326	2,691	2,589	2,430	2,319	2,588	2,595
Arts & Social Sciences		781	686	719	785	773	979	971	955	941	1,029	1,115
Science ²		521	501	538	598	689	685	744	772	741	736	686
Medicine		68	49	57	61	79	73	61	50	53	35	40
Dentistry		14	3	9	16	14	10	11	9	7	15	10
Law		103	105	87	130	87	84	99	108	103	117	100
Business Administration		397	353	292	332	337	456	485	302	264	423	411
Accountancy ³		342	326	334	400	-	-	-	-	-	-	-
Architecture, Building & Estate Management		125	108	115	106	126	164	144	170	145	131	136
Engineering		127	86	157	153	221	240	74	64	65	102	97
Nanyang Technological University (NTU) ^{4 & 5}		20	26	28	19	449	535	783	1,121	1,197	1,236	1,350
Engineering ⁵		20	26	28	19	24	26	124	161	142	139	147
Accountancy ³		-	-	-	-	425	509	485	415	391	420	450
Business		-	-	-	-	-	-	140	474	471	429	473
Communication Studies		-	-	-	-	-	-	-	-	-	-	69
Computer Technology		-	-	-	-	-	-	34	71	73	25	32
Materials Engineering		-	-	-	-	-	-	-	-	14	27	14
Arts with Diploma in Education		-	-	-	-	-	-	-	-	82	170	134
Science with Diploma in Education		-	-	-	-	-	-	-	-	24	26	31
National Institute of Education (NIE) ⁶		503	438	773	808	706	595	767	914	888	1,250	1,074

Note : See notes to Table 15.10.

15.11 FEMALE STUDENTS ADMITTED TO INSTITUTIONS OF HIGHER LEARNING, 1983/84-1993/94 (continued)

		Number										
Course	Session	1983/84	1984/85	1985/86	1986/87	1987/88	1988/89	1989/90	1990/91	1991/92	1992/93	1993/94
Singapore Polytechnic ⁷		997	1,189	1,000	895	1,316	1,405	1,633	1,882	2,180	2,395	2,426
Engineering ⁸		625	790	727	721	836	797	928	1,061	1,199	1,222	1,252
Architecture & Building		343	347	222	101	119	122	148	188	210	255	231
Nautical ⁹		-	-	-	-	-	-	1	1	20	23	25
Business ¹⁰		29	52	51	73	239	333	476	468	580	701	736
Computer ¹¹		-	-	-	-	122	153	80	164	171	194	182
Ngee Ann Polytechnic ¹²		904	1,220	1,476	1,517	1,664	1,512	1,959	2,024	2,157	2,110	1,832
Engineering		303	528	611	474	540	543	700	764	816	807	728
Business Studies & Accountancy		436	582	765	865	934	801	973	952	1,021	988	859
Computer Studies		165	110	100	178	190	168	228	228	232	226	151
Mass Communication & Film, Sound & Video ¹³		-	-	-	-	-	-	58	80	88	89	94
Temasek Polytechnic ¹⁴		-	-	-	-	-	-	-	550	542	605	846
Business		-	-	-	-	-	-	-	341	305	345	404
Design		-	-	-	-	-	-	-	209	93	109	83
Science & Technology		-	-	-	-	-	-	-	-	144	-	-
Information Technology & Applied Science ¹⁵		-	-	-	-	-	-	-	-	-	109	211
Engineering		-	-	-	-	-	-	-	-	-	42	148
Nanyang Polytechnic ¹⁶		-	-	-	-	-	-	-	-	-	577	1,313
Business		-	-	-	-	-	-	-	-	-	300	326
Health Science		-	-	-	-	-	-	-	-	-	277	498
Engineering		-	-	-	-	-	-	-	-	-	-	393
Information Technology		-	-	-	-	-	-	-	-	-	-	96

Note : See notes to Table 15.10.

Source : National University of Singapore
Nanyang Technological University
Singapore Polytechnic
Ngee Ann Polytechnic
Temasek Polytechnic
Nanyang Polytechnic

15.12 MALE GRADUATES FROM INSTITUTIONS OF HIGHER LEARNING, 1982/83 -1992/93

												Number
Course	Session	1982/83	1983/84	1984/85	1985/86	1986/87	1987/88	1988/89	1989/90	1990/91	1991/92	1992/93
	Total	4,085	4,749	5,140	5,827	6,847	7,347	7,406	7,634	7,998	8,704	9,720
National University of Singapore (NUS) ¹		1,397	1,583	1,337	1,384	1,584	1,631	1,836	1,694	1,856	1,926	2,010
Arts & Social Sciences		224	239	280	249	281	291	325	317	372	407	481
Science ²		270	219	313	345	432	414	526	518	625	609	678
Medicine		83	105	82	103	155	113	164	151	114	119	95
Dentistry		27	23	12	20	23	26	34	17	10	27	14
Law		31	52	60	71	82	100	113	88	107	115	92
Business Administration		145	161	178	140	151	201	209	192	222	211	183
Accountancy		91	80	73	81	99	-	-	-	-	-	-
Architecture, Building & Estate Management		112	155	146	130	152	180	148	143	120	99	132
Engineering		414	549	193	245	209	306	317	268	286	339	335
Nanyang Technological University (NTU) ³		-	-	501	597	560	736	794	823	921	1,248	1,555
Engineering		-	-	501	597	560	616	664	642	724	869	978
Accountancy		-	-	-	-	-	120	130	181	197	208	295
Business		-	-	-	-	-	-	-	-	-	60	99
Computer Technology		-	-	-	-	-	-	-	-	-	111	183
National Institute of Education (NIE) ⁴		138	184	126	152	158	193	171	274	266	289	266

1 Cover first degree graduates only.

2 Include Pharmacy, Information Systems and Computer Science.

3 NTU was established in July 1991, with its origin in the former Nanyang Technology Institute.

4 NIE, formed in July 1991 by merging of the former Institute of Education and College of Physical Education, is part of NTU.

15.12 MALE GRADUATES FROM INSTITUTIONS OF HIGHER LEARNING, 1982/83-1992/93 (continued)

		Number										
Course \ Session		1982/83	1983/84	1984/85	1985/86	1986/87	1987/88	1988/89	1989/90	1990/91	1991/92	1992/93
Singapore Polytechnic ⁵		1,965	2,148	2,223	2,527	2,776	2,909	2,825	3,016	3,000	3,104	3,315
Engineering ⁶		1,598	1,694	1,811	2,037	2,397	2,464	2,412	2,644	2,562	2,576	2,769
Architecture & Building		262	287	291	324	234	317	268	184	206	190	174
Nautical ⁷		67	106	79	80	35	30	32	27	32	42	70
Business ⁸		38	61	42	86	55	39	47	94	110	165	163
Computer ⁹		-	-	-	-	55	59	66	67	90	131	139
Ngee Ann Polytechnic ⁵		585	834	953	1,167	1,769	1,878	1,780	1,827	1,920	2,105	2,235
Engineering		483	665	781	919	1,511	1,675	1,553	1,592	1,692	1,852	1,979
Business Studies & Accountancy		102	124	151	169	160	149	180	189	158	180	179
Computer Studies		-	45	21	79	98	54	47	46	70	68	66
Mass Communication & Film, Sound & Video ¹⁰		-	-	-	-	-	-	-	-	-	5	11
Temasek Polytechnic ¹¹		-	-	-	-	-	-	-	-	35	32	144
Business		-	-	-	-	-	-	-	-	-	-	66
Design		-	-	-	-	-	-	-	-	35	32	27
Information Technology & Applied Science		-	-	-	-	-	-	-	-	-	-	51
Nanyang Polytechnic		-	-	-	-	-	-	-	-	-	-	195
Engineering ¹²		-	-	-	-	-	-	-	-	-	-	195

Source : National University of Singapore
Nanyang Technological University
Singapore Polytechnic
Ngee Ann Polytechnic
Temasek Polytechnic
Nanyang Polytechnic

- 5 Include graduates from part-time courses.
6 Include technology courses, eg Biotechnology.
7 Include Maritime Transportation.
8 From 1993/94 it was known as Business and include Accountancy, Banking and Finance.
9 Refer to courses conducted by Japan-Singapore Institute of Software Technology. The Institute was transferred to Singapore Polytechnic with effect from 1 April 1987.
10 The course Film, Sound & Video commenced in 1993/94.
11 Temasek Polytechnic was established in April 1990.
12 Refer to students transferred from the Economic Development Board institutions (graduates were conferred with the GSI or FSI certificates).

15.13 FEMALE GRADUATES FROM INSTITUTIONS OF HIGHER LEARNING, 1982/83-1992/93

		Number										
Course \ Session		1982/83	1983/84	1984/85	1985/86	1986/87	1987/88	1988/89	1989/90	1990/91	1991/92	1992/93
Total		2,866	3,583	3,815	4,591	5,036	5,235	5,409	6,077	6,554	7,595	8,597
National University of Singapore (NUS) ¹		1,508	1,826	2,117	2,476	2,390	1,993	2,150	2,307	2,584	2,689	2,655
Arts & Social Sciences		541	600	766	873	828	808	887	876	1,080	1,104	1,173
Science ²		393	507	541	600	580	568	640	760	706	728	843
Medicine		44	58	55	47	45	56	60	56	53	78	61
Dentistry		16	21	15	15	17	2	10	11	10	10	11
Law		49	54	67	89	90	108	84	122	88	79	93
Business Administration		188	229	286	391	367	303	343	341	453	479	262
Accountancy		201	265	291	330	311	-	-	-	-	-	-
Architecture, Building & Estate Management		49	56	77	113	118	124	93	109	144	158	144
Engineering		27	36	19	18	34	24	33	32	50	53	68
Nanyang Technological University (NTU) ³		-	-	56	64	104	386	522	510	626	768	1,028
Engineering		-	-	56	64	104	79	115	119	156	175	135
Accountancy		-	-	-	-	-	307	407	391	470	443	396
Business		-	-	-	-	-	-	-	-	-	118	446
Computer Technology		-	-	-	-	-	-	-	-	-	32	51
National Institute of Education (NIE) ⁴		454	683	409	572	651	764	589	719	760	934	903

Note : See notes to Table 15.12.

15.13 FEMALE GRADUATES FROM INSTITUTIONS OF HIGHER LEARNING, 1982/83-1992/93 (continued)

		Number										
Course	Session	1982/83	1983/84	1984/85	1985/86	1986/87	1987/88	1988/89	1989/90	1990/91	1991/92	1992/93
Singapore Polytechnic ⁵		561	615	644	714	950	911	941	1,184	1,231	1,489	1,754
Engineering ⁶		325	382	435	520	662	588	671	753	706	787	1,001
Architecture & Building		233	229	205	168	172	211	109	113	108	116	150
Nautical ⁷		-	-	-	-	-	-	-	-	-	-	1
Business ⁸		3	4	4	26	37	41	73	227	316	435	444
Computer ⁹		-	-	-	-	79	71	88	91	101	151	158
Ngee Ann Polytechnic ⁵		343	459	589	765	941	1,181	1,207	1,357	1,299	1,660	1,757
Engineering		141	126	141	246	422	496	406	435	422	563	617
Business Studies & Accountancy		202	273	366	405	418	546	649	781	698	865	861
Computer Studies		-	60	82	114	101	139	152	141	179	186	208
Mass Communication & Film, Sound & Video ¹⁰		-	-	-	-	-	-	-	-	-	46	71
Temasek Polytechnic ¹¹		-	-	-	-	-	-	-	-	54	55	444
Business		-	-	-	-	-	-	-	-	-	-	311
Design		-	-	-	-	-	-	-	-	54	55	65
Information Technology & Applied Science		-	-	-	-	-	-	-	-	-	-	68
Nanyang Polytechnic		-	-	-	-	-	-	-	-	-	-	56
Engineering ¹²		-	-	-	-	-	-	-	-	-	-	56

Note : See notes to Table 15.12.

Source : National University of Singapore
Nanyang Technological University
Singapore Polytechnic
Ngee Ann Polytechnic
Temasek Polytechnic
Nanyang Polytechnic

15.14 INTAKE OF TRAINEES UNDER THE FULL-TIME INSTITUTIONAL TRAINING AND APPRENTICESHIP PROGRAMMES AND TRAINEES WHO COMPLETED THE PROGRAMMES, 1992 AND 1993

Number

Type of Training / Level	1992			1993		
	Persons	Males	Females	Persons	Males	Females
Intake of Trainees						
Total	10,404	6,757	3,647	9,743	6,466	3,277
Engineering Industrial Technician Certificate	1,404	1,232	172	1,373	1,239	134
Business Studies Certificate in Business Studies/ Certificate in Office Skills	2,365	306	2,059	1,915	287	1,628
Technical Skills National Technical Certificate (incl Certificate of Vocational Training)	6,489	5,189	1,300	6,311	4,909	1,402
Service Skills Certificate in Service Skills	146	30	116	144	31	113
Trainees who Completed the Programmes						
Total	8,173	5,174	2,999	8,209	5,151	3,058
Engineering Industrial Technician Certificate	1,047	894	153	1,054	922	132
Business Studies Certificate in Business Studies/ Certificate in Office Skills	1,983	174	1,809	2,139	220	1,919
Technical Skills National Technical Certificate (incl Certificate of Vocational Training)	5,089	4,096	993	4,886	3,984	902
Service Skills Certificate in Service Skills	54	10	44	130	25	105

Notes : The Full-time Institutional Training and Apprenticeship Programmes are offered to school leavers with GCE 'O' and 'N' level qualification.
 Figures for 1993 include the two former EDB institutes, namely, Precision Engineering Institute and Phillips-Government Training Centre which were transferred to ITE in April 1993.

Source : Institute of Technical Education

15.15 TRAINING PLACES TAKEN UP BY WORKERS UNDER THE SKILLS TRAINING PROGRAMMES AND WORKERS WHO COMPLETED THE PROGRAMMES, 1992 AND 1993

Number

Type of Training / Level	1992			1993		
	Persons	Males	Females	Persons	Males	Females
Training Places Taken Up						
Total	21,434	18,617	2,817	20,443	17,690	2,753
Engineering Industrial Technician Certificate	523	481	42	565	527	38
Technical Skills National Technical Certificate	19,564	17,057	2,507	18,639	16,100	2,539
Other Certificates (incl Certificate of Competency)	289	287	2	213	208	5
Others (incl customised courses)	1,058	792	266	1,026	855	171
Workers who Completed the Programmes						
Total	18,052	15,633	2,419	17,224	14,790	2,434
Engineering Industrial Technician Certificate	184	173	11	232	217	15
Technical Skills National Technical Certificate	16,528	14,388	2,140	15,778	13,535	2,243
Other Certificates (incl Certificate of Competency)	282	280	2	198	193	5
Others (incl customised courses)	1,058	792	266	1,016	845	171

Notes : Most of the Skills Training Programmes are offered in modules of 6 months duration.

A worker may attend more than one module a year.

Figures for 1993 include the two former EDB Institutes, namely, Precision Engineering Institute and Philips-Government Training Centre which were transferred to ITE in April 1993.

Source : Institute of Technical Education

15.16 TRAINING PLACES TAKEN UP BY WORKERS UNDER THE CONTINUING ACADEMIC EDUCATION PROGRAMMES AND WORKERS WHO COMPLETED THE PROGRAMMES, 1992 AND 1993

Number

Type of Programme	1992			1993		
	Persons	Males	Females	Persons	Males	Females
Training Places Taken Up						
Total	66,482	28,992	37,490	52,762	22,636	30,126
Basic Education for Skills Training (BEST)	26,875	10,213	16,662	18,739	6,746	11,993
Worker Improvement through Secondary Education (WISE)	21,738	9,993	11,745	18,675	8,538	10,137
Continuing Education	17,869	8,786	9,083	15,348	7,352	7,996
Workers who Completed the Programmes						
Total	41,294	17,623	23,671	33,471	14,110	19,361
Basic Education for Skills Training (BEST)	15,955	6,065	9,890	11,485	4,265	7,220
Worker Improvement through Secondary Education (WISE)	13,398	5,913	7,485	12,217	5,388	6,829
Continuing Education	11,941	5,645	6,296	9,769	4,457	5,312

Notes : The BEST and WISE programmes are offered in modules of 6 months duration.
A worker may attend more than one module a year.

Source : Institute of Technical Education

15.17 GOVERNMENT EXPENDITURE ON EDUCATION, 1983/84-1993/94

Thousand Dollars

	1983/84	1984/85	1985/86	1986/87	1987/88	1988/89	1989/90	1990/91	1991/92	1992/93	1993/94 ¹
Total	1,611,647	1,769,728	1,775,580	1,638,767	1,653,956	1,604,302	1,765,065	2,055,073	2,816,373	2,597,894	3,206,106
Recurrent Expenditure	1,107,113	1,272,559	1,388,325	1,277,288	1,352,551	1,461,858	1,619,760	1,794,521	2,356,796	2,043,178	2,315,096
Primary Schools	357,249	403,915	422,806	384,044	392,741	446,713	497,385	531,475	551,040	568,250	668,409
Secondary Schools & Junior Colleges	348,200	392,387	431,866	402,396	424,465	486,226	533,091	570,968	597,506	616,059	742,903
Institute of Technical Education	55,121	65,662	80,294	68,966	64,191	72,857	79,551	84,300	87,580	89,000	103,615
Tertiary	291,782	350,152	387,224	362,813	413,541	393,298	434,842	526,477	1,038,782	638,704	688,571
National University of Singapore & Nanyang Technological University	197,947	240,448	253,811	240,805	293,443	259,014	288,571	351,476	841,154	412,524	417,095
National Institute of Education	18,817	21,268	22,979	19,883	20,843	21,072	19,395	23,591	27,620	29,850	30,244
Polytechnics	75,018	88,436	110,434	102,125	99,255	113,212	126,876	151,410	170,008	196,330	241,232
Others ¹	54,761	60,443	66,135	59,069	57,613	62,764	74,891	81,301	81,888	131,165	111,598
Development Expenditure	504,534	497,169	387,255	361,479	301,405	142,444	145,305	260,552	459,577	554,716	891,010

¹ Include Curriculum Development Institute of Singapore, Extra Curricular Activities Centre, Institute of Southeast Asian Studies, Science Centre Board and headquarters expenditure.

Source : Ministry of Education

16 HEALTH AND MEDICAL CARE

Statistics on immunisation are collected from the various MCH clinics, vaccination records kept by SHS and private practitioners and from the computerised notification of childhood and measles immunisation carried out for pre-school children kept by the Central Immunisation Register. Data on patient attendance at primary health care clinics are collected from the administrative and patient registration systems.

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Dental Services

The Dental Services provide services to patients in the following areas: dental treatment, dental surgery, dental radiology, dental pathology, dental hygiene, dental prosthetics, dental orthodontics, dental paediatrics, dental geriatrics, dental emergencies, dental trauma, dental infections, dental diseases, dental malocclusions, dental caries, dental periodontitis, dental pulpitis, dental abscesses, dental cysts, dental tumours, dental neoplasms, dental trauma, dental infections, dental diseases, dental malocclusions, dental caries, dental periodontitis, dental pulpitis, dental abscesses, dental cysts, dental tumours, dental neoplasms.

The health services provided by the Government are in respect of four main areas: name, address, telephone number and date of birth.

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16 HEALTH AND MEDICAL CARE

The health services provided by the government is very comprehensive. The Ministry of Health is responsible for the overall policy on health matters, the maintenance of public health standards, the development of health programmes and preventive measures, the provision of treatment and hospital facilities and family planning services in the public sector. In addition, the Ministry monitors family planning and population policies.

The Ministry of Health's services to the general public are in respect of four main areas; namely, Primary Health Care Services, Hospital Services, Supporting Services and Dental Services.

Primary Health Care Services

The Primary Health Care Services which include Family Health Services (FHS) and School Health Services (SHS) are provided at 20 community health clinics and 18 maternal and child health clinics. The family health services offer outpatients and maternal and child health (MCH) services. MCH services concentrate on preventive health care for women of child-bearing age and pre-school children, and

implementing immunization programmes for pre-school children. Health screening and immunization for school children is undertaken by School Health Services.

Statistics on immunization are collected from the various M&CH clinics, vaccination records kept by SHS and private practitioners and from the compulsory notifications of diphtheria and measles immunization carried out for pre-school children received by the Central Immunization Registry. Data on patient attendances at primary health care clinics are obtained from the administrative and patient registration records of the clinics.

Hospital Services

There are 13 public sector hospitals of which 6 are general hospitals providing accident and emergency services and multi-disciplinary treatment, 1 community hospital and 6 specialist hospitals/centres providing specialist treatment in obstetrics and gynaecology, ophthalmology, psychiatry, dermatology and venereology and infectious diseases. In addition, there are 10 private hospitals catering to the medical needs of the people.

Data on government hospital beds, patient admissions and outpatient attendances are obtained from administrative records and the computerised patient registration systems of the hospitals. For the private hospitals, the data are compiled from special returns prescribed by the Ministry of Health.

Other Medical and Supporting Services

These are provided by the Radiology and Radiotherapy Departments, Pathology Department, Blood Transfusion Service, Rehabilitation Services (including physiotherapy, occupational therapy and speech therapy), Medical Social Services and Pharmaceutical Services.

Dental Services

The Dental Services provide curative and preventive dental treatment at 185 dental clinics located at the various hospitals, community/maternal and child health clinics and schools. Data on attendances at dental clinics are obtained

from the administrative and patient registration records of the clinics.

Medical Personnel

Data on medical personnel refer to the number of doctors, dentists, pharmacists, nurses and midwives registered respectively under the Medical Registration Act, the Registration of Dentists Act, the Registration of Pharmacists Act, the Nurses Registration Act and the Midwives Act. Separate computerised manpower registers for each of these personnel groups are maintained by the Ministry of Health and the statistics pertaining to these health personnel are derived from the registers.

The Research & Evaluation Department of the Ministry of Health is responsible for processing and collating the statistical returns from the various government and private medical establishments. Patient statistics of private medical establishments are currently confined to private hospitals and do not cover activities of private clinics.

16.1 HOSPITALS AND GOVERNMENT CLINICS, 1983-1993

Number

Year	Hospitals			Government Dental Clinics ²	Family Health Services ³	
	Total	Public Sector Hospitals ¹	Private Sector Hospitals		Outpatient	Maternal & Child Health
1983	23	11	12	160	26	29
1984	22	11	11	162	26	29
1985	22	11	11	176	26	29
1986	22	11	11	183	26	28
1987	21	10	11	183	24	23
1988	21	10	11	191	21	20
1989	20	10	10	193	21	19
1990	21	11	10	192	21	18
1991	22	11	11	185	22	17
1992	22	12	10	184	19	17
1993	23	13	10	185	20	18

1 Include Government Hospitals, Government Restructured Hospitals and National University Hospital.

2 Include dental clinics in schools.

3 Integrated with effect from 1 July 1992.

Source : Ministry of Health

16.2 REGISTERED HEALTH PERSONNEL, 1983-1993

Number

Year	Doctors			Dentists ¹			Pharmacists			State Registered Nurses			State Enrolled Nurses			Midwives		
	Public ²	Private	Not in active practice	Public ²	Private	Not in active practice	Public ²	Private	Not in active practice ³	Public ²	Private	Not in active practice	Public ²	Private	Not in active practice	Public ²	Private	Not in active practice
1983	1,047	1,249	65	174	248	14	58	329	-	3,205	1,567	764	1,690	236	219	437	88	149
1984	1,109	1,294	101	165	294	16	58	351	-	3,241	1,656	795	1,673	253	212	407	73	172
1985	1,214	1,307	110	159	326	11	55	381	-	3,613	1,835	838	1,569	316	222	377	83	163
1986	1,337	1,348	96	157	341	28	58	396	-	3,540	2,038	813	1,579	365	235	356	86	161
1987	1,420	1,413	106	160	379	18	59	428	-	3,374	2,203	861	1,602	421	262	352	92	144
1988	1,551	1,496	115	164	411	18	75	421	30	3,871	1,847	870	1,665	432	272	343	92	134
1989	1,720	1,538	139	184	440	19	93	433	31	3,935	1,962	881	1,715	464	280	332	95	123
1990	1,831	1,593	149	185	466	21	96	452	39	4,238	1,980	966	1,612	526	373	300	104	139
1991	1,971	1,677	131	180	479	23	112	477	40	4,435	2,119	1,016	1,695	575	393	289	100	140
1992	1,985	1,813	164	175	503	28	126	515	36	4,596	2,250	1,129	1,605	616	437	281	108	141
1993	2,013	1,967	166	172	543	28	140	536	44	4,835	2,431	1,195	1,547	649	470	266	107	149

1 Refer to those with professional degrees only.

2 Refer to Government, Government Restructured Hospitals and University personnel.

3 Prior to 1988, figures were included in private sector.

Source : Ministry of Health

16.3 BEDS IN PUBLIC SECTOR HOSPITALS, 1983-1993

Number

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Total	8,222	8,085	8,329	8,274	8,191	7,893	7,852	7,922	7,892	7,833	8,640
Alexandra Hospital	545	545	560	560	554	523	520	397	397	399	470
Changi Hospital	203	203	203	144	144	144	144	144	144	144	144
Singapore General Hospital ¹	1,593	1,656	1,671	1,650	1,621	1,488	1,479	1,663	1,664	1,660	1,646
Tan Tock Seng Hospital ²	1,274	1,274	1,434	1,407	1,410	1,445	1,432	1,432	1,362	1,133	1,123
Communicable Disease Centre ³	-	-	-	-	-	-	-	-	-	214	220
Toa Payoh Hospital ⁴	410	410	410	410	410	410	407	350	357	357	357
Kandang Kerbau Hospital ⁴	681	681	681	561	561	510	440	490	516	514	514
St Andrew's Hospital ⁵	80	80	80	80	-	-	-	-	-	-	-
Middle Road Hospital ⁶	44	44	44	35	35	-	-	-	-	-	-
Middletown Hospital ⁷	228	228	-	-	-	-	-	-	-	-	-
Woodbridge Hospital ⁸	2,914	2,714	2,714	2,714	2,654	2,500	2,500	2,500	2,500	2,460	2,943
View Road Hospital	250	250	250	250	250	250	250	250	250	250	250
National University Hospital ⁹	-	-	282	463	552	623	680	696	702	702	702
Ang Mo Kio Community Hospital ¹⁰	-	-	-	-	-	-	-	-	-	-	271

Source : Ministry of Health

- 1 Became a Government Restructured Hospital with effect from 1 April 1989.
- 2 Restructured with effect from 1 April 1992.
- 3 Operating as a separate government entity from Tan Tock Seng Hospital with effect from 1 April 1992.
- 4 Became Government Restructured Hospitals with effect from 1 April 1990.
- 5 Closed with effect from 31 December 1987.
- 6 Closed with effect from 9 December 1988.
- 7 Renamed Communicable Disease Centre and came under the administration of Tan Tock Seng Hospital in January 1985.
- 8 Include Trafalgar Unit, Mental Defective Unit and Chronic Sick Unit.
- 9 Started functioning with effect from 24 June 1985.
- 10 Started functioning with effect from 28 June 1993.

16.4 BEDS IN PRIVATE SECTOR HOSPITALS, 1983-1993

	Number										
	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Total	1,637	1,602	1,671	1,837	1,836	1,837	1,792	1,837	1,909	1,893	1,829
Gleneagles Hospital	121	127	127	127	126	130	132	132	132	151	151
Jurong Hospital ¹	40	40	40	40	40	40	40	40	40	-	-
Mt Alvernia Hospital	304	304	304	304	304	304	304	321	321	276	276
East Shore Hospital ²	149	149	149	149	149	145	137	135	145	145	145
Youngberg Hospital	68	55	55	38	38	38	20	40	40	40	40
Adam Road Hospital ³	45	45	45	45	45	45	45	60	60	60	56
Kwong Wai Shiu Hospital	425	425	505	505	505	454	454	454	454	454	374
Shenton Medical Centre ⁴	18	18	18	16	16	16	15	10	10	-	-
Thomson Medical Centre	96	96	108	108	108	160	160	160	158	160	160
Mt Elizabeth Hospital	337	323	300	485	485	485	485	485	485	485	505
Eye Clinic ⁵	20	20	20	20	20	20	-	-	-	-	-
Gentle Nursing & Health Centre ⁶	14	-	-	-	-	-	-	-	-	-	-
Balestier Medical Centre ⁷	-	-	-	-	-	-	-	-	64	62	62
St Andrew's Community Hospital ⁸	-	-	-	-	-	-	-	-	-	60	60

Source : Ministry of Health

1 Closed with effect from 19 October 1992.

2 Known as The American Hospital of Singapore prior to July 1990.

3 Known as Singapore Nursing Home prior to 1 April 1989.

4 Known as Shenton Nursing Home prior to November 1991.

Functioned as an outpatient clinic with effect from 1 January 1992.

5 Closed with effect from 31 December 1989.

6 Closed with effect from 1 February 1984.

7 Opened with effect from 1 October 1991.

8 Opened with effect from 19 February 1992.

16.5 ADMISSIONS TO PUBLIC SECTOR HOSPITALS, 1983-1993

Number

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Total	226,872	230,138	232,988	237,014	247,659	265,380	257,407	259,541	259,752	265,535	259,446
Alexandra Hospital	31,553	33,898	33,255	30,145	29,468	29,300	26,896	20,142	19,716	18,361	17,680
Changi Hospital	4,343	3,466	3,755	3,937	3,245	3,889	4,451	4,926	4,272	4,401	4,738
Singapore General Hospital ¹	60,685	62,310	64,982	65,473	73,950	83,756	80,045	80,643	84,411	84,633	82,840
Tan Tock Seng Hospital ²	39,915	38,459	42,987	45,475	47,672	47,958	45,911	46,351	45,200	44,544	42,555
Communicable Disease Centre ³	-	-	-	-	-	-	-	-	-	2,268	2,560
Toa Payoh Hospital ⁴	29,410	29,925	29,477	28,070	26,961	27,968	26,077	22,513	21,387	21,228	20,555
Kandang Kerbau Hospital ⁴	48,072	48,436	48,442	39,620	32,648	34,409	29,648	36,172	38,966	41,186	40,813
St Andrew's Hospital ⁵	122	174	124	158	140	-	-	-	-	-	-
Middle Road Hospital ⁶	820	887	738	767	803	673	-	-	-	-	-
Middleton Hospital ⁷	6,562	6,587	-	-	-	-	-	-	-	-	-
Woodbridge Hospital ⁸	5,335	5,828	6,056	5,959	5,908	5,756	5,837	5,926	5,580	5,643	6,079
View Road Hospital	55	168	179	130	129	114	127	148	87	146	143
National University Hospital ⁹	-	-	2,993	17,280	26,735	31,557	38,415	42,720	40,153	43,125	41,184
Ang Mo Kio Community Hospital ¹⁰	-	-	-	-	-	-	-	-	-	-	299

Note : See notes to Table 16.3.

Source : Ministry of Health

16.6 HOSPITAL ADMISSIONS AND PUBLIC SECTOR OUTPATIENT ATTENDANCES, 1983-1993

Number

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Hospital Admissions											
Total	271,671	277,881	280,152	290,322	310,302	337,723	330,301	337,103	336,937	348,126	342,591
Public Sector Hospitals ¹	226,872	230,138	232,988	237,014	247,659	265,380	257,407	259,541	259,752	265,535	259,446
Private Sector Hospitals	44,799	47,743	47,164	53,308	62,643	72,343	72,894	77,562	77,185	82,591	83,145
Public Sector Outpatient Attendances											
Specialist Outpatient Clinics	1,241,146	1,222,817	1,246,343	1,311,863	1,339,712	1,386,350	1,346,095	1,455,985	1,578,396	1,762,927	1,869,061
Accident & Emergency Departments	458,824	469,522	438,308	378,145	436,660	485,762	514,434	533,571	541,502	545,339	510,556
Family Health Services ²											
Outpatient	2,662,370	2,431,286	2,346,344	2,344,081	2,199,875	2,155,640	2,072,973	2,015,083	1,935,380	2,108,865	2,150,680
Maternal & Child Health	869,015	782,118	747,623	765,919	771,122	808,395	812,503	791,865	775,583	809,759	790,014
Dental Clinics	1,175,300	1,133,267	1,164,031	1,165,610	1,155,532	1,132,513	1,142,101	1,109,043	1,092,143	1,082,380	1,051,485

¹ Include Government Hospitals, Government Restructured Hospitals and National University Hospital.

Source : Ministry of Health

² Integrated with effect from 1 July 1992.

16.7 VISITS TO GOVERNMENT DENTAL CLINICS, 1983-1993

Number

Year	Total	Dental Clinics		
		School	Hospital	Community
1983	1,175,300	638,307	165,355	371,638
1984	1,133,267	660,597	146,949	325,721
1985	1,164,031	750,157	149,332	264,542
1986	1,165,610	804,504	159,999	201,107
1987	1,155,532	825,484	172,056	157,992
1988	1,132,513	813,119	183,160	136,234
1989	1,142,101	829,625	188,649	123,827
1990	1,109,043	825,279	181,284	102,480
1991	1,092,143	825,318	165,778	101,047
1992	1,082,380	813,405	168,945	100,030
1993	1,051,485	791,741	168,959	90,785

Source : Ministry of Health

16.8 NOTIFICATIONS OF SPECIFIC NOTIFIABLE DISEASES, 1983-1993

Year	Dengue/ DHF	Malaria	Enteric Fever ¹	Viral Hepatitis	Cholera	Polio- myelitis	Diphthe- ria	Chicken pox	Viral Enceph- litis	Tuber- culosis	Number
											Leprosy
1983	205	219	137	626	14	2	4	1,395	16	2,065	69
1984	86	193	118	601	40	2	-	3,034	17	2,143	43
1985	126	166	148	610	27	-	-	2,879	5	1,952	57
1986	354	180	158	730	27	2	1	4,276	7	1,760	39
1987	436	165	132	752	63	-	1	4,312	4	1,616	44
1988	245	228	174	464	19	-	-	8,711	4	1,666	39
1989	944	203	128	439	39	-	1	17,087	4	1,617	48
1990	1,733	216	231	440	26	-	1	18,934	4	1,591	36
1991	2,179	267	132	501	34	-	1	17,930	1	1,841	23
1992	2,878	221	162	596	17	-	1	32,060	10	1,747	41
1993	946	354	144	317	24	-	-	46,830	2	1,957 ^P	24

Note : No cases of plague, smallpox and yellow fever were reported during the period.

Source : Ministry of the Environment
Ministry of Health

¹ Refer to typhoid and paratyphoid.

16.9 IMMUNIZATION COVERAGE BY PUBLIC AND PRIVATE SECTORS, 1983-1993

Per Cent

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
BCG											
National	82	95	93	94	98	99	99	99	99	99	98
Public	77	75	73	68	61	57	53	47	46	47	45
Private	5	20	20	26	37	42	46	52	53	52	53
Diphtheria											
National	84	77	78	91	96	90	90	86	91	90	92
Public	66	63	63	69	59	66	65	63	66	72	75
Private	18	14	15	22	37	24	25	23	25	18	17
Poliomyelitis											
National	86	81	81	94	95	90	91	86	91	92	92
Public	69	64	63	69	59	66	66	63	66	63	70
Private	17	17	18	25	36	24	25	23	25	29	22
Measles											
National	88	85	75	85	94	82	77	82	92	89	87
Public	78	73	61	64	63	62	60	60	71	61	68
Private	10	12	14	21	31	20	17	22	21	28	19

Source : Ministry of Health

16.10 VACCINATION AND IMMUNIZATION OF SCHOOL CHILDREN, 1983-1993

Thousand Doses

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
BCG Vaccination	35.2	35.4	32.9	29.2	31.2	39.0	31.5	34.5	31.8	27.7	38.9
Diphtheria Tetanus	84.7	81.2	81.8	78.5	71.0	79.2	76.2	74.5	76.4	70.2	81.2
Poliomyelitis Immunization	84.2	75.6	80.4	77.1	57.0	77.4	73.6	74.0	75.7	70.1	81.1
Rubella	44.6	44.9	44.5	40.0	38.2	41.7	36.4	38.0	37.2	30.7	45.3

Source: Ministry of Health

16.11 STUDENT MEDICAL CHECK-UP, 1983-1993

Thousand

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Total	185.0	174.3	196.6	195.6	469.6	616.3	611.1	589.7	580.0	587.9	660.9
Category of Students:											
New Entrants	42.7	38.4	39.1	39.9	39.9	40.5	40.8	39.0	40.2	41.5	37.8
Primary School Leavers and equivalent levels	48.3	48.8	47.2	42.9	39.7	42.7	38.3	38.5	38.9	33.2	49.6
Secondary School Leavers and equivalent levels	17.2	21.4	37.4	35.7	35.2	38.7	37.8	36.7	36.0	39.1	36.1
Re-examination	74.5	64.0	71.7	77.2	354.8	485.6	486.6	472.6	461.8	470.6	533.7
Others ¹	2.3	1.7	1.3	-	-	8.8	7.6	2.8	3.1	3.5	3.5
Sex of Students:											
Males	86.3	79.0	100.4	98.9	242.8	319.8	317.4	305.5	300.1	302.9	345.4
Females	98.7	95.3	96.2	96.7	226.8	296.5	293.7	284.2	279.9	285.0	315.5

1 Figures from 1988 refer to Institute of Technical Education and Special School Students.

Source : Ministry of Health

16.12 COMMON DEFECTS OF STUDENTS EXAMINED, 1983-1993

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Per 10,000 Males Examined											
Incidence of:											
Defective Vision	2,690	2,786	3,490	4,062	3,598	3,824	4,062	4,106	4,243	4,407	4,432
Obesity - Primary School Entrants	380	622	777	952	1,174	1,189	1,156	1,188	1,426	1,501	1,519
- Primary School Leavers	1,204	1,123	1,144	1,443	1,570	1,789	1,785	1,881	2,080	2,117	2,121
- Secondary School Leavers ¹	-	-	-	-	1,271	1,320	1,385	1,401	1,634	1,719	1,676
Scoliosis	127	331	587	477	538	494	527	505	232	313	255
Asthma	na	na	123	295	135	166	129	468	462	445	552
Phimosi	434	444	493	514	511	426	377	330	301	287	334
Per 10,000 Females Examined											
Incidence of:											
Defective Vision	3,747	3,773	4,409	4,514	3,998	4,151	4,377	4,424	4,532	4,640	4,797
Obesity - Primary School Entrants	239	555	650	761	973	1,004	938	977	1,217	1,197	1,288
- Primary School Leavers	952	757	716	930	1,023	1,020	1,010	1,159	1,372	1,315	1,545
- Secondary School Leavers	1,442	1,019	971	1,047	1,106	1,158	1,162	1,136	1,357	1,465	1,399
Scoliosis	529	622	957	852	791	837	896	853	538	637	537
Asthma	na	na	80	199	100	101	93	334	308	274	455
Heart Conditions	373	138	201	147	189	182	158	294	229	185	255

1 Prior to 1987, Ministry of Health did not screen Secondary School Leavers for obesity.

Source: Ministry of Health

16.13 BLOOD DONATIONS AND TRANSFUSIONS, 1983-1993

Year		Blood Donations Received							Blood Transfusions Given		
	Donors	Total	National Blood Centre		Mobile	Red Cross	National University Hospital Blood Centre ³	Manulife Static Site ³	Total	Public Sector Hospitals ⁴	Private Sector Hospitals
			Total ¹	Apheresis Donations							
	Persons	Number of Units									
1983	38,808	59,474	31,954	-	27,520	-	-	-	52,507	46,869	5,638
1984	38,350	58,018	31,966	-	24,125	1,927	-	-	54,421	48,082	6,339
1985	39,772	59,308	33,627	-	21,530	4,151	-	-	52,411	46,164	6,247
1986	42,337	61,990	34,448	-	22,041	5,501	-	-	56,045	48,804	7,241
1987	39,654	59,985	34,137	-	20,474	5,374	-	-	53,658	46,301	7,357
1988	39,478	57,991	36,814	-	16,684	4,493	-	-	52,617	44,811	7,806
1989	41,738	61,239	35,932	-	20,736	4,115	456	-	55,096	47,525	7,571
1990	43,383	61,403	36,679	-	18,934	3,098	2,692	-	57,683	49,186	8,497
1991	45,302	64,281	34,450	590	22,572	3,096	4,163	-	55,258	47,711	7,547
1992	42,442	60,962	32,791	832	21,489	2,639	3,933	110	53,465	45,596	7,869
1993	41,389	64,126	33,969	2,028	22,167	2,607	4,926	457	54,076	44,738	9,338

Notes : One unit of blood is approximately 430 millilitres.

Figures exclude blood bank in Mt Alvernia Hospital.

Source : Ministry of Health

- Figures from 1991 include Apheresis donations. Apheresis is a specialised blood component donation process in which cell-separator machines draw out whole blood, separate specified components by centrifugation and return the rest of the blood to the donor.
- Blood collections from NUH Blood Centre were included in the National blood collection programme with effect from 1 November 1989.
- Started functioning with effect from 27 October 1992.
- Include Government Hospitals, Government Restructured Hospitals and National University Hospital.

Year	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976	1975	1974	1973	1972	1971	1970	1969	1968	1967	1966	1965	1964	1963	1962	1961	1960	1959	1958	1957	1956	1955	1954	1953	1952	1951	1950	1949	1948	1947	1946	1945	1944	1943	1942	1941	1940	1939	1938	1937	1936	1935	1934	1933	1932	1931	1930	1929	1928	1927	1926	1925	1924	1923	1922	1921	1920	1919	1918	1917	1916	1915	1914	1913	1912	1911	1910	1909	1908	1907	1906	1905	1904	1903	1902	1901	1900	1899	1898	1897	1896	1895	1894	1893	1892	1891	1890	1889	1888	1887	1886	1885	1884	1883	1882	1881	1880	1879	1878	1877	1876	1875	1874	1873	1872	1871	1870	1869	1868	1867	1866	1865	1864	1863	1862	1861	1860	1859	1858	1857	1856	1855	1854	1853	1852	1851	1850	1849	1848	1847	1846	1845	1844	1843	1842	1841	1840	1839	1838	1837	1836	1835	1834	1833	1832	1831	1830	1829	1828	1827	1826	1825	1824	1823	1822	1821	1820	1819	1818	1817	1816	1815	1814	1813	1812	1811	1810	1809	1808	1807	1806	1805	1804	1803	1802	1801	1800	1799	1798	1797	1796	1795	1794	1793	1792	1791	1790	1789	1788	1787	1786	1785	1784	1783	1782	1781	1780	1779	1778	1777	1776	1775	1774	1773	1772	1771	1770	1769	1768	1767	1766	1765	1764	1763	1762	1761	1760	1759	1758	1757	1756	1755	1754	1753	1752	1751	1750	1749	1748	1747	1746	1745	1744	1743	1742	1741	1740	1739	1738	1737	1736	1735	1734	1733	1732	1731	1730	1729	1728	1727	1726	1725	1724	1723	1722	1721	1720	1719	1718	1717	1716	1715	1714	1713	1712	1711	1710	1709	1708	1707	1706	1705	1704	1703	1702	1701	1700	1699	1698	1697	1696	1695	1694	1693	1692	1691	1690	1689	1688	1687	1686	1685	1684	1683	1682	1681	1680	1679	1678	1677	1676	1675	1674	1673	1672	1671	1670	1669	1668	1667	1666	1665	1664	1663	1662	1661	1660	1659	1658	1657	1656	1655	1654	1653	1652	1651	1650	1649	1648	1647	1646	1645	1644	1643	1642	1641	1640	1639	1638	1637	1636	1635	1634	1633	1632	1631	1630	1629	1628	1627	1626	1625	1624	1623	1622	1621	1620	1619	1618	1617	1616	1615	1614	1613	1612	1611	1610	1609	1608	1607	1606	1605	1604	1603	1602	1601	1600	1599	1598	1597	1596	1595	1594	1593	1592	1591	1590	1589	1588	1587	1586	1585	1584	1583	1582	1581	1580	1579	1578	1577	1576	1575	1574	1573	1572	1571	1570	1569	1568	1567	1566	1565	1564	1563	1562	1561	1560	1559	1558	1557	1556	1555	1554	1553	1552	1551	1550	1549	1548	1547	1546	1545	1544	1543	1542	1541	1540	1539	1538	1537	1536	1535	1534	1533	1532	1531	1530	1529	1528	1527	1526	1525	1524	1523	1522	1521	1520	1519	1518	1517	1516	1515	1514	1513	1512	1511	1510	1509	1508	1507	1506	1505	1504	1503	1502	1501	1500	1499	1498	1497	1496	1495	1494	1493	1492	1491	1490	1489	1488	1487	1486	1485	1484	1483	1482	1481	1480	1479	1478	1477	1476	1475	1474	1473	1472	1471	1470	1469	1468	1467	1466	1465	1464	1463	1462	1461	1460	1459	1458	1457	1456	1455	1454	1453	1452	1451	1450	1449	1448	1447	1446	1445	1444	1443	1442	1441	1440	1439	1438	1437	1436	1435	1434	1433	1432	1431	1430	1429	1428	1427	1426	1425	1424	1423	1422	1421	1420	1419	1418	1417	1416	1415	1414	1413	1412	1411	1410	1409	1408	1407	1406	1405	1404	1403	1402	1401	1400	1399	1398	1397	1396	1395	1394	1393	1392	1391	1390	1389	1388	1387	1386	1385	1384	1383	1382	1381	1380	1379	1378	1377	1376	1375	1374	1373	1372	1371	1370	1369	1368	1367	1366	1365	1364	1363	1362	1361	1360	1359	1358	1357	1356	1355	1354	1353	1352	1351	1350	1349	1348	1347	1346	1345	1344	1343	1342	1341	1340	1339	1338	1337	1336	1335	1334	1333	1332	1331	1330	1329	1328	1327	1326	1325	1324	1323	1322	1321	1320	1319	1318	1317	1316	1315	1314	1313	1312	1311	1310	1309	1308	1307	1306	1305	1304	1303	1302	1301	1300	1299	1298	1297	1296	1295	1294	1293	1292	1291	1290	1289	1288	1287	1286	1285	1284	1283	1282	1281	1280	1279	1278	1277	1276	1275	1274	1273	1272	1271	1270	1269	1268	1267	1266	1265	1264	1263	1262	1261	1260	1259	1258	1257	1256	1255	1254	1253	1252	1251	1250	1249	1248	1247	1246	1245	1244	1243	1242	1241	1240	1239	1238	1237	1236	1235	1234	1233	1232	1231	1230	1229	1228	1227	1226	1225	1224	1223	1222	1221	1220	1219	1218	1217	1216	1215	1214	1213	1212	1211	1210	1209	1208	1207	1206	1205	1204	1203	1202	1201	1200	1199	1198	1197	1196	1195	1194	1193	1192	1191	1190	1189	1188	1187	1186	1185	1184	1183	1182	1181	1180	1179	1178	1177	1176	1175	1174	1173	1172	1171	1170	1169	1168	1167	1166	1165	1164	1163	1162	1161	1160	1159	1158	1157	1156	1155	1154	1153	1152	1151	1150	1149	1148	1147	1146	1145	1144	1143	1142	1141	1140	1139	1138	1137	1136	1135	1134	1133	1132	1131	1130	1129	1128	1127	1126	1125	1124	1123	1122	1121	1120	1119	1118	1117	1116	1115	1114	1113	1112	1111	1110	1109	1108	1107	1106	1105	1104	1103	1102	1101	1100	1099	1098	1097	1096	1095	1094	1093	1092	1091	1090	1089	1088	1087	1086	1085	1084	1083	1082	1081	1080	1079	1078	1077	1076	1075	1074	1073	1072	1071	1070	1069	1068	1067	1066	1065	1064	1063	1062	1061	1060	1059	1058	1057	1056	1055	1054	1053	1052	1051	1050	1049	1048	1047	1046	1045	1044	1043	1042	1041	1040	1039	1038	1037	1036	1035	1034	1033	1032	1031	1030	1029	1028	1027	1026	1025	1024	1023	1022	1021	1020	1019	1018	1017	1016	1015	1014	1013	1012	1011	1010	1009	1008	1007	1006	1005	1004	1003	1002	1001	1000	999	9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17 HAWKERS AND FOOD ESTABLISHMENTS

The Ministry of the Environment issues licences to hawkers and operators of food establishments. It also ensures that all hawkers observe proper food hygiene practices and that all food sold in Singapore is safe for consumption.

Licensed Hawkers

The number of licensed hawkers in various types of premises managed by the Ministry of the Environment has

been decreasing over the years because of clearance of several markets and food centres for re-development.

Licensed Food Establishments

The total number of licensed food establishments has been on the rise over the past decade. Due to the increasing affluence among Singaporeans, there are significant increases in restaurants, snack bars, food factories and supermarkets.

17.1 LICENSED HAWKERS BY a) TYPE OF PREMISES AND b) TYPE OF GOODS SOLD, 1983-1993
(End of Year)

	Number										
	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Total	8,406	7,580	6,775	6,479	6,254	6,095	5,813	5,358	4,689	4,475	4,286
Type of Premises											
Market/Food Centre	6,936	6,693	6,353	6,098	5,960	5,817	5,613	5,184	4,530	4,332	4,157
Street Pitch ¹	1,121	576	151	126	56	54	-	-	-	-	-
Show Case	57	52	43	38	31	28	26	19	18	18	14
Itinerant ²	292	259	228	217	207	196	174	155	141	125	115
Type of Goods Sold											
Market Produce	3,560	3,242	2,906	2,776	2,642	2,532	2,420	2,198	1,856	1,785	1,698
Cooked Food	3,863	3,506	3,127	3,069	2,994	2,939	2,825	2,634	2,357	2,222	2,140
Piece & Sundries	983	832	742	634	618	624	568	526	476	468	448

Note : Exclude private markets and markets/food centres of Statutory Boards.

Source : Ministry of the Environment

¹ Phased out by 1989.

² Hawkers selling ice-cream, cakes or/and bread.

17.2 LICENSED HAWKERS BY a) MANAGEMENT AUTHORITY AND b) TYPE OF GOODS SOLD, 1983-1993
(End of Year)

Number											
	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Total	18,407	18,751	19,011	18,974	18,574	18,194	17,203	16,484	16,182	15,933	15,516
Management Authority											
HDB	16,692	17,198	17,410	17,514	17,158	16,917	16,356	15,814	15,509	15,384	15,169
JTC	234	231	229	226	228	230	228	226	227	216	215
PSA	58	58	60	75	76	76	76	70	70	72	72
STPB	29	26	29	29	29	29	25	-	-	-	-
Private Market	1,394	1,238	1,283	1,130	1,083	942	518	374	376	261	60
Type of Goods Sold											
Market Produce	10,102	10,201	10,330	10,190	9,853	9,541	8,863	8,352	8,177	8,037	7,837
Cooked Food	6,073	6,274	6,352	6,401	6,352	6,309	6,119	5,963	5,880	5,786	5,675
Piece & Sundries	2,232	2,276	2,329	2,383	2,369	2,344	2,221	2,169	2,125	2,110	2,004

Source : Ministry of the Environment

17.3 LICENSED FOOD ESTABLISHMENTS, 1983-1993

End of Year	Total	Restaurants	Eating Houses	Snack Bars	Canteens		Coffee Shops	Food Factories	Super-markets	Number
					School	Others				Others
1983	6,401	650	1,502	331	445	1,355	237	1,086	86	709
1984	6,579	736	1,508	404	434	1,269	243	1,141	115	729
1985	6,870	767	1,603	482	428	1,173	261	1,206	169	781
1986	7,254	806	1,649	568	449	1,105	272	1,219	161	1,025
1987	7,645	880	1,723	671	447	1,137	263	1,260	160	1,104
1988	7,820	921	1,742	708	420	1,113	237	1,352	143	1,184
1989	8,025	962	1,722	749	399	1,132	212	1,428	141	1,280
1990	8,240	1,125	1,670	754	400	1,129	180	1,439	140	1,403
1991	8,410	1,236	1,572	773	397	1,154	158	1,460	156	1,504
1992	8,584	1,342	1,523	814	386	1,190	142	1,452	160	1,575
1993	9,082	1,488	1,523	991	397	1,217	134	1,445	168	1,719

Source : Ministry of the Environment

18 COMMUNITY SERVICES

The Ministry of Community Development (MCD) provides a wide range of community services, which include: (i) the care, protection and rehabilitation of children and youth, (ii) assistance programmes for the aged, the destitutes, the disabled, families with problems and victims of civil calamities. It also promotes neighbourliness, racial harmony and social cohesion among the people through a network of effective grassroots organisations.

Grassroots organisations

Grassroots organisations include Residents' Committees, Citizens' Consultative Committees, Community Centre/Club Management Committees, Women's Executive Committees, Senior Citizens' Executive Committees and Constituency Sports Clubs. These provide ample opportunities for residents to participate in the affairs of their communities and to interact with one another to promote better communication and closer rapport between the Government and the people.

Volunteers

"Volunteers", in the MCD context, refer to individuals who are providing services in Community and Welfare Programmes without receiving a full market rate of remuneration or allowance.

Services for Senior Citizens

The Ministry of Community Development plans, coordinates and monitors the implementation of a range of services for senior citizens. The main services under the Aged Programme include Community-based Services and Residential Care Services.

Data on the Residential Homes for the Aged are obtained from the Government Welfare Homes, Sheltered Housing/Community Homes as well as Voluntary and Commercial Nursing Homes. With effect from 1 Jan 93, the Nursing Homes are administered by the Private Hospitals and Medical Clinics Act which is under the purview of Ministry of Health.

Child Care Programme

The main objectives of the Child Care Programme are to promote and develop Child Care Centres. The Ministry encourages individuals, organisations and employers in the public and private sectors to set up child care facilities. Most centres provide full-day and half-day care services for children between the ages of two and seven years old.

Public Assistance

Public Assistance (PA) is provided to help the financially distressed regain their independence. It is not

intended as an unemployment, retirement or disability support. PA allowances are granted to the following categories of persons :

- (i) aged destitutes;
- (ii) the disabled, the mentally ill and the chronically sick who are unfit to work;
- (iii) widows or deserted wives with children under 12 years of age; and
- (iv) orphans.

18.1 GRASSROOTS ORGANISATIONS, 1983-1993

Num

End of Year	Residents' Committees (RC)	Citizens' Consultative Committees (CCC)	CCC Area Committees	Community Centres/ Club Management Committees (CCMC)	Women's Executive Committees (WEC)	Senior Citizens ¹ Executive Committees	Constituency Sports Clubs
1983	246	75	32	146	75	-	70
1984	263	75	37	145	76	-	68
1985	276	79	37	138	80	-	68
1986	311	79	39	125	80	53	75
1987	341	79	44	120	80	71	76
1988	363	76	49	112	81	74	70
1989	378	81	47	110	86	79	79
1990	395	81	46	112	88	83	80
1991	401	81	46	107	88	91	81
1992	402	81	46	110	90	91	81
1993 ^p	412	81	47	108	90	96	81

1 Senior Citizens' Executive Committees started in 1986.

Source : People's Association
Singapore Sports Council

18.2 VOLUNTEERS BY VOLUNTEER GROUP AND TYPE OF SERVICE, 1983-1993

(End of Period)

Number

Volunteer Group	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993 ^P
COMMUNITY SERVICE											
Total	11,942	12,417	12,290	14,343	15,753	16,815	17,527	18,211	18,692	19,236	19,898
RC/Block Representative	4,262	4,476	4,579	5,847	7,031	7,868	8,466	8,590	8,958	8,984	9,687
CCC/CCC Area-Committees	2,198	2,300	2,242	2,408	2,471	2,447	2,551	2,610	2,555	2,662	2,707
Community Resource Volunteers ¹	-	-	-	-	26	50	76	79	100	114	85
Community Centre/Club Management Committees	2,193	2,278	2,148	2,152	2,089	2,036	1,950	2,134	2,121	2,213	2,185
Women's Executive Committee	809	876	901	942	929	932	946	1,130	1,111	1,206	1,178
Senior Citizens' Executive Committees ²	-	-	-	425	693	1,028	1,069	1,146	1,267	1,339	1,389
Youth Executive Committees	1,430	1,485	1,401	1,444	1,387	1,400	1,371	1,371	1,399	1,440	1,454
Constituency Sports Club Members	1,050	1,002	1,019	1,125	1,127	1,054	1,098	1,151	1,181	1,278	1,213
WELFARE SERVICE											
Total	348	413	748	700	833	884	825	1,047	1,108	1,235	1,342
Welfare Service Boards/Committees	na	na	58	58	96	99	111	90	75	93	69
Befrienders for the Aged Destitutes ³	-	-	124	144	165	131	117	127	126	129	128
Volunteer Probation Officers	321	295	391	294	284	264	251	300	330	387	366
Befrienders for Senior Citizens	27	118	175	193	274	375	316	482	534	599	758
Volunteers in Toa Payoh Girls' Homes, Singapore Boys' Home and Bukit Batok Boys' Hostel	-	-	-	11	14	15	30	48	43	27	21

Source : Ministry of Community Development

1 Community Resource Volunteers started in 1987.

2 Senior Citizens' Executive Committees started in 1986.

3 Befrienders for the Aged Destitutes started in 1985.

18.3 ENROLMENT IN CHILD CARE CENTRES BY TYPE OF PROGRAMME AND ORGANISATION, 1983-1993

Period (As at 1 Dec)	Total	Type of Programme						Number
		Full-Day Programme						Half-Day Programme
		Total	People's Association	NTUC	Voluntary	Workplace ¹	Private	
1983	1,862	1,734	133	771	741	35	54	128
1984	2,375	1,919	128	787	778	132	94	456
1985	2,918	2,157	263	642	829	268	155	761
1986	3,756	2,799	461	705	1,069	369	195	957
1987	5,659	4,537	601	779	1,874	626	657	1,122
1988	8,044	6,652	696	863	2,586	835	1,671	1,393
1989	10,201	8,633	836	1,014	3,249	866	2,668	1,568
1990	12,474	11,105	847	1,057	3,961	975	4,265	1,369
1991	16,109	14,337	924	1,236	4,787	1,140	6,250	1,772
1992	18,732	16,613	869	1,486	5,391	1,254	7,613	2,119
1993	21,853	19,571	1,040	1,732	6,517	1,430	8,852	2,282

Notes : Data for 1983 to 1986 were as at 31 December.

NTUC = National Trades Union Congress.

1 Include 3 centres set up by employers at workplace but run by private operators.

Source : Ministry of Community Development

18.4 PUBLIC ASSISTANCE RECIPIENTS BY CATEGORY, 1983-1993

Number

End of Period	Total	Aged Destitutes	Medically Unfit for Work	Abandoned/ Distressed Wives & Orphans	Handicapped and Disabled	Widows with Children under 12 years old
1983	3,241	2,850	103	59	175	54
1984	3,278	2,883	109	70	163	53
1985	3,076	2,734	76	53	160	53
1986	3,075	2,736	79	53	155	52
1987	2,934	2,618	78	55	134	49
1988	2,867	2,565	83	54	118	47
1989	2,827	2,508	82	69	123	45
1990	2,791	2,463	84	71	126	47
1991	2,332	2,030	89	75	95	43
1992	2,255	1,954	90	70	102	39
1993	2,220	1,915	87	73	104	41

Source : Ministry of Community Development

18.5 RESIDENTS IN OLD FOLKS' HOMES BY TYPE OF ORGANISATION AND SEX, 1984-1993

Number

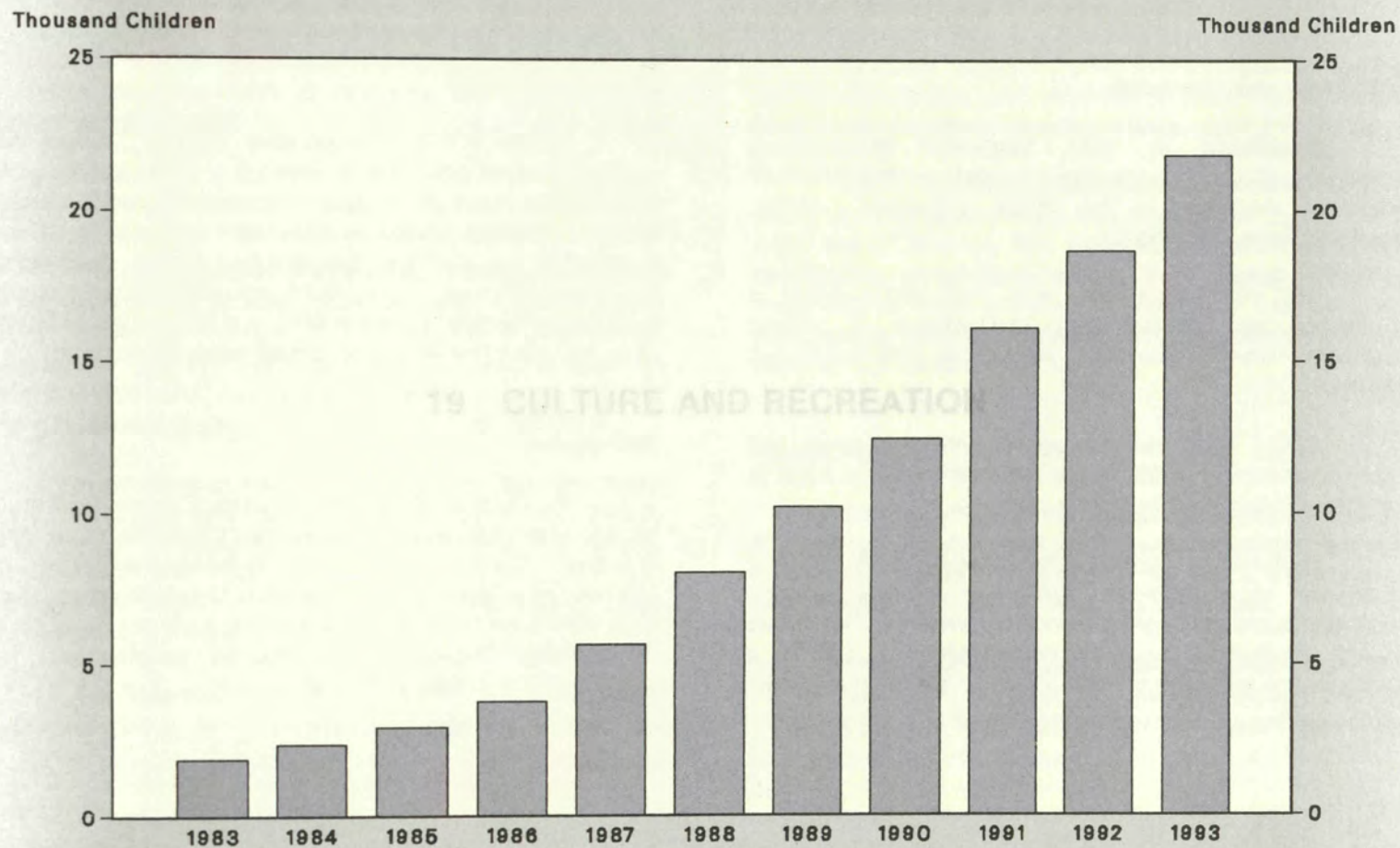
End of Period	Total			Government Old Folks' Homes			Sheltered Housing/ Community Homes			Voluntary Nursing Homes ¹			Commercial Nursing Homes		
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
1984	3,102	1,508	1,594	885	667	218	)	)	)	1,939	761	1,178	278	80	198
							)	)	)						
1985	3,279	1,560	1,719	857	670	187	)	)	)	1,980	746	1,234	442	144	298
							)	)	)						
1986	3,400	1,580	1,820	774	627	147	)	)	)	2,032	756	1,276	594	197	397
							)	)	)						
1987	3,542	1,660	1,882	754	623	131	)	)	)	2,070	774	1,296	718	263	455
							)	)	)						
1988	3,730	1,789	1,941	749	615	134	) na	) na	) na	2,065	847	1,218	916	327	589
							)	)	)						
1989	3,793	1,729	2,064	760	632	128	)	)	)	2,094	754	1,340	939	343	596
							)	)	)						
1990	3,864	1,736	2,128	794	657	137	)	)	)	2,074	738	1,336	996	341	655
							)	)	)						
1991	3,838	1,747	2,091	798	666	132	)	)	)	2,070	738	1,332	970	343	627
							)	)	)						
1992	3,848	1,696	2,152	763	636	127	)	)	)	2,147	778	1,369	938	282	656
							)	)	)						
1993	4,040	1,799	2,241	766	637	129	) 452	) 187	) 265	1,833	646	1,187	989	329	660

¹ Data prior to 1993 include certain Sheltered Housing/Community Homes.

Source : Ministry of Community Development
Ministry of Health

CHART 21

ENROLMENT IN CHILD CARE CENTRES, 1983-1993
(At December of Period)



19 CULTURE AND RECREATION

SBC Radio and Television

Established in 1980, Singapore Broadcasting Corporation (SBC) operates nine radio stations and three VHF Television channels in the official languages - Malay, Mandarin, Tamil and English.

SBC maintains a balance in news and a variety of information and entertainment programmes in various language media to cater to a multi-racial and multilingual audience.

SBC's latest teletext service, INtv, a news and information service of 800 pages is transmitted from 6 am to 12 midnight daily over two of its channels.

Under the Singapore Broadcasting Act, 1979, a licence is required by every person using one or more television receivers at any place of residence or premises. The annual licence fee is \$110 for a colour television set, \$40 for a monochrome television set and \$27 for a car radio receiver.

NTUC Radio Heart

NTUC VOICE Co-operative Society Limited was registered on 2 July 1990 to operate a radio station called NTUC Radio Heart which started broadcasting on 15 January 1991. It is the first private wireless radio station in Singapore. It operates two stations, broadcasting in the four official languages. Its mission is to inform, educate and help listeners to better understand labour policies and current issues as well as to provide them with entertaining radio programmes.

Rediffusion

Rediffusion (Singapore) Pte Ltd, a commercial audio broadcasting station under Government franchise since 1949, provides direct sound broadcasts via cable to subscribers on two networks. One network broadcasts Mandarin programmes daily from 6 am to 12 midnight and the other carries 24 hours of non-stop English/Chinese cultural programmes. The monthly rental is \$10.00 per set.

Cinema

Data on cinemas are obtained from the Customs and Excise Department. Under the Entertainment Duty Act, all cinemas are liable to pay entertainment duty according to their admission charges. Total attendances are based on the number of tickets sold.

Library

The National Library, a large public library maintained by the government, provides essential library facilities as well as a variety of cultural, educational and recreational programmes for the community. Membership is open to Singaporeans and permanent residents free of charge. Foreigners have to pay an annual subscription of \$10.00.

In addition to the Central Library at Stamford Road, there are eight full-time branch libraries in Ang Mo Kio, Bedok, Bukit Merah, Geylang East, Jurong East, Marine Parade, Queenstown, and Toa Payoh. They provide books and materials for loan, an audio-visual service and a basic reference and information service.

The Reference Services Division of the Central Library maintains books and collections of special interest for

research and other purposes as well as periodicals, newspapers, maps, etc. Many documents and publications are also on microfilm and microfiche.

The Arts Resource Centre in the Reference Services Division maintains a good collection of books, periodicals and audio-visual materials, covering various aspects of fine arts.

The computerized National Library Network (NALINET) is a centralized system which links the National Library and its eight branch libraries. The computerized functions include cataloguing, acquisitions, serials, legal deposit, enquiries, loans and the online public access catalogue. Data on library membership, loans and collections are generated on a regular basis by the computer system.

Sports Facilities

The Singapore Sports Council (SSC) is responsible for the promotion of both competitive and recreational sports in Singapore. Through the "Sports for All" policy, it promotes a wide range of sports activities and programmes.

The SSC also provides a wide range of sports facilities for the public. Apart from the National Stadium and the Singapore Indoor Stadium; the SSC maintains and operates a

number of stadia, multi-purpose fields, sports halls, netball courts, squash courts, tennis courts, swimming pools and fitness parks and corners.

Cultural and Sports Courses

The People's Association (PA), a statutory board

established on 1 Jul 1960, is a community development agency. The PA organises and promotes group participation in social, cultural, educational, youth, sports, recreational and other wholesome activities to nurture inter-racial understanding at its community centres and community clubs. The community centres and community clubs conduct regular sports and cultural courses.

19.1 RADIO AND TELEVISION LICENCES AND REDIFFUSION SUBSCRIBERS, 1983-1993

				Number
End of Year	Radio Licences Issued ¹	Television Licences Issued	Rediffusion Subscribers	
1983	104,735	464,269	95,030	
1984	111,009	474,877	81,336	
1985	108,735	481,907	73,195	
1986	111,568	509,908	66,145	
1987	109,453	531,215	62,457	
1988	107,101	554,133	62,940	
1989	105,120	533,021	55,406	
1990	126,778	582,540	45,376	
1991	184,971	595,730	39,484	
1992	190,900	614,309	37,270	
1993	198,959	592,173 ²	33,423	

1 With effect from Dec 1990, a licence is no longer required for a radio installed in an address irrespective of whether a TV licence has been obtained.

Source : Singapore Broadcasting Corporation
Rediffusion (Singapore) Pte Ltd

2 Exclude 46,966 licences paid by Giro quarterly instalments.

19.2 RADIO AND TELEVISION TRANSMISSION, 1983-1993

Hours Per Week

Year	Total (Radio)	Radio (SBC)					Radio (SBC and NTUC ¹)				Television
		AM/FM				Symphony 92.4 FM	FM				
		English	Malay	Chinese	Tamil		English	Malay	Chinese	Tamil	
1983	646	126	135	147	112	126	-	-	-	-	115.0
1984	646	126	135	147	112	126	-	-	-	-	132.0
1985	649	127	135	148	112	127	-	-	-	-	149.2
1986	649	127	135	148	112	127	-	-	-	-	155.0
1987	653	131	135	148	112	127	-	-	-	-	155.0
1988	653	131	135	148	112	127	-	-	-	-	156.0
1989	828	131	139	130	112	127	168	-	-	-	161.0
1990	1,218	128	149	127	134	127	294	126	133	-	172.4
1991	1,504	127	149	127	134	127	427	140	259	14	193.9
1992	1,514	127	149	127	134	126	423	148	259	21	195.1
1993	1,542	133	149	133	140	126	427	154	259	21	211.7

1 Operated with effect from January 1991.

Source : Singapore Broadcasting Corporation
NTUC Voice Co-operative Society Ltd

19.3 CINEMAS, 1983-1993

Year	Cinemas			Total Seating Capacity	Attendances
	Total	Air Conditioned	Others		
	Number			Thousand	
1983	57	55	2	63	30,659
1984	51	49	2	57	27,388
1985	47	47	-	54	22,702
1986	42	42	-	49	19,520
1987	41	41	-	48	19,767
1988	46	46	-	48	22,251
1989	51	51	-	49	21,376
1990	56	56	-	48	20,655
1991	60	60	-	47	20,736
1992	77	77	-	51	19,300
1993	103	103	-	59	19,977

Source : Customs & Excise Department

19.4 NATIONAL LIBRARY MEMBERSHIP, 1983-1993

			Number
Year	Total	Persons Aged 12 Years & Over	Children Under 12 Years
1983	640,322	422,279	218,043
1984	715,501	492,370	223,131
1985	833,907	594,977	238,930
1986	925,245	681,050	244,195
1987	891,253	672,665	218,588
1988 ¹	442,200	308,442	133,758
1989	615,180	449,785	165,395
1990	722,316	545,797	176,519
1991	796,459	619,863	176,596
1992	875,056	696,604	178,452
1993	862,773	680,799	181,974

¹ Members re-registered as a result of computerisation.

Source : Singapore National Library

19.5 BOOK COLLECTIONS AT THE NATIONAL LIBRARY, 1983-1993

					Number
Year	Total	English	Chinese	Malay	Tamil
1983	1,771,412	966,050	493,884	232,902	78,576
1984	2,162,231	1,196,288	615,236	263,118	87,589
1985	2,322,242	1,290,524	661,109	282,015	88,594
1986	2,541,556	1,452,482	701,125	304,274	83,675
1987	2,671,796	1,545,392	732,467	307,737	86,200
1988	2,769,398	1,606,345	739,362	335,649	88,042
1989	2,936,305	1,719,069	776,880	350,707	89,649
1990	2,437,094	1,492,350	613,730	264,213	66,801
1991	2,726,156	1,685,069	668,602	299,144	73,341
1992	2,890,676	1,813,994	682,480	316,134	78,068
1993	2,855,826	1,788,794	663,597	327,134	76,301

Source : Singapore National Library

19.6 LOANS OF BOOKS AT THE NATIONAL LIBRARY, 1983-1993

Year		Total		Persons Aged 12 Years & Over		Children Under 12 Years	
1983		6,227,930		3,453,528		2,774,402	
1984		6,093,392		3,472,286		2,621,106	
1985		7,025,899		3,886,211		3,139,688	
1986		8,659,955		4,625,025		4,034,930	
1987		7,580,674		3,934,840		3,645,834	
1988		7,438,247		3,488,080		3,950,167	
1989		9,317,796		4,282,810		5,034,986	
1990		9,118,091		4,290,581		4,827,510	
1991		9,066,277		4,265,431		4,800,846	
1992		6,995,924		3,248,914		3,747,010	
1993		9,076,291		4,295,304		4,780,987	

Source : Singapore National Library

19.7 DAILY NEWSPAPER CIRCULATION, 1983-1993

Number

Year	Total	English	Chinese	Malay	Tamil
1983	694,711	301,205	351,392	35,267	6,847
1984	709,383	307,376	357,778	37,444	6,785
1985	713,866	308,221	359,303	39,915	6,427
1986	684,298	282,192	354,892	41,760	5,454
1987	700,927	292,721	360,691	42,041	5,474
1988	743,334	340,401	354,840	42,458	5,635
1989	777,052	362,634	366,211	42,849	5,358
1990	813,484	385,902	378,381	44,361	4,840
1991	877,523	422,869	401,116	47,988	5,550
1992	916,102	447,600	410,424	53,059	5,019
1993	977,846	481,392	433,871	57,676	4,907

19.8 VISITORS TO PLACES OF INTEREST, 1983-1993

Thousand

Period	National Museum ¹	Singapore Science Centre ²	Singapore Zoological Gardens	Sentosa ³	Chinese/Japanese Gardens ³	Jurong Bird Park ³
1983	253.8	410.1	862.7	1,400.0	692.6	704.6
1984	152.0	463.1	896.1	1,660.0	721.2	699.1
1985	406.9	558.6	850.0	1,641.0	642.1	741.5
1986	396.4	578.6	958.8	1,675.7	616.8	761.0
1987	348.9	620.1	1,112.1	2,106.8	712.8	850.2
1988	322.5	690.2	1,104.3	2,606.8	629.5	980.7
1989	na	767.4	1,133.0	2,616.8	512.7	1,038.9
1990	na	711.9	1,341.3	2,590.0	453.0	1,009.6
1991	255.7	543.1	1,164.5	3,320.0	395.5	1,026.7
1992	239.1	515.0	1,355.3	3,609.8	350.9	1,532.9
1993	203.1	533.9	1,486.7	4,040.0	286.6	1,549.6

Note 1: Figures may not add up due to rounding.

1 Major renovation and repair were carried out during January 1989 - November 1990.

2 Figures for 1983-1986 refer to financial year beginning on 1 April and ending on 31 March the following year.

3 Figures refer to financial years.

Source : National Museum

Singapore Science Centre

Singapore Zoological Gardens

Sentosa Development Corporation

Singapore Leisure Industries Pte Ltd

Jurong Bird Park

19.9 UTILISATION OF SPORTS FACILITIES, 1983-1993

Number

Period	Swimming (Complex)	Tennis (Court)	Badminton (Court)	Squash (Court)	Netball (Court)	Soccer	Hockey	Rugby	Athletics
	Attendance	Bookings							
1983	6,766,438	98,755	41,172	165,795	2,516	10,540	447	92	644
1984	5,960,539	139,320	46,473	178,232	2,818	10,052	764	104	529
1985	6,101,678	156,008	66,139	187,661	2,166	10,181	716	52	619
1986	6,435,994	138,377	61,912	165,331	1,755	10,950	711	92	547
1987	6,247,930	135,937	67,332	130,044	1,221	10,140	697	74	721
1988	6,523,324	141,291	71,687	98,536	203	10,099	664	113	627
1989	6,190,794	148,938	59,046	70,649	183	8,163	537	173	508
1990	6,011,906	161,476	78,188	60,074	397	8,156	1,129	81	464
1991	5,418,025	180,460	86,166	65,194	678	8,043	1,471	61	571
1992	5,626,328	188,879	118,554	66,369	1,822	9,130	1,357	121	530
1993 ^P	5,576,403	142,275	115,796	49,869	2,623	6,168	1,056	119	925

Notes : Data refer to sports facilities provided by Singapore Sports Council.
Figures for 1983-1984 refer to financial years.

Source : Singapore Sports Council

19.10 SPORTS AND CULTURAL COURSES CONDUCTED BY COMMUNITY CENTRES/CLUBS, 1983-1993

Number

Type of Course	FY ¹ 83/84	FY 84/85	FY 85/86	FY 86/87	FY 87/88	FY 88/89	FY 89/90	FY 90/91	FY 91/92	FY 92/93
SPORTS COURSES	Classes									
	1,363	1,557	1,749	1,938	2,150	1,700	2,090	2,452	2,309	2,317
	Ball Games	341	382	446	429	320	314	387	323	313
	Keep Fit	276	325	367	436	698	340	353	347	412
	Martial Art	483	541	666	774	752	734	801	835	818
	Performing Sports	88	114	111	108	111	117	62	117	114
	Water Sports	156	187	139	179	143	180	558	762	686
	Others	19	8	20	12	19	9	2	4	7
CULTURAL COURSES	2,252	3,158	4,130	4,657	4,826	4,887	5,450	5,474	5,679	6,229
	Dance	965	1,704	2,356	2,634	2,528	2,667	3,028	3,022	2,911
	Drama	30	30	41	49	40	41	38	29	22
	Music	1,255	1,421	1,733	1,974	2,254	2,179	2,369	2,420	2,738
	Others	2	3	-	-	4	-	15	3	8
SPORTS COURSES	Participants									
	35,612	40,158	45,571	56,137	67,702	40,522	44,751	45,219	41,143	37,817
	Ball Games	5,450	5,220	5,951	5,757	5,263	3,656	3,056	3,196	2,696
	Keep Fit	5,375	6,445	8,100	13,402	27,557	6,889	6,985	6,974	5,996
	Martial Art	17,872	20,341	24,640	30,004	28,278	23,038	24,145	24,328	22,020
	Performing Sports	3,061	3,697	3,716	3,550	3,508	3,795	2,194	3,853	3,319
	Water Sports	3,543	4,330	2,751	3,218	2,801	3,016	8,339	6,422	6,612
	Others	311	125	413	206	295	128	32	41	-
CULTURAL COURSES	32,968	50,311	63,451	68,875	72,299	77,893	90,124	88,277	90,190	92,912
	Dance	18,743	36,046	46,369	49,856	51,205	55,134	60,355	57,207	54,942
	Drama	555	488	733	847	646	660	628	461	396
	Music	13,608	13,732	16,349	18,172	20,321	22,099	28,814	30,525	34,452
	Others	62	45	-	-	127	-	327	84	400

¹ FY refers to financial year beginning on 1 April and ending on 31 March the following year

Source : People's Association

19.11 THE ARTS, 1987 - 1993

Number

Art Form	1987	1988	1989	1990	1991	1992	1993
Performing Arts							
Total Performances ¹	1,362	1,492	1,485	1,693	1,698	2,322	1,915
Music	460	490	484	492	552	854	670
Dance	105	158	87	123	96	160	112
Theatre	591	505	658	931	952	1,163	1,071
Others	206	339	256	147	98	145	62
Ticketed Performances	713	817	855	949	1,163	1,517	1,609
Music	213	290	344	333	371	478	512
Dance	74	62	49	57	82	79	87
Theatre	357	405	398	495	642	937	968
Others	69	60	64	64	68	23	42
Attendances ²	430,101	484,125	561,936	721,539	678,970	947,636	798,345
Music	131,060	195,708	229,540	348,689	276,488	377,257	382,827
Dance	59,091	39,585	76,268	49,619	56,849	76,853	55,159
Theatre	202,119	212,379	210,722	274,041	292,169	457,414	341,445
Others	37,831	36,453	45,406	49,190	53,464	36,112	18,914
Visual Arts/Heritage Exhibitions							
Number	206	169	212	203	255	295	150
Days	1,765	1,377	1,776	1,892	2,443	2,762	1,441

1 Include non-ticketed performances.

2 Refer to ticketed performances.

Source : National Arts Council

Year	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Non-Structural (Residential)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Structural (Non-Residential)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Non-Structural (Commercial)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Structural (Commercial)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Non-Structural (Industrial)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Structural (Industrial)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Non-Structural (Other)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Structural (Other)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Total	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

20 MISCELLANEOUS

20 MISCELLANEOUS

The mission of the Singapore Civil Defence Force (SCDF) is to protect and save civilian lives and property in the event of an emergency and also to prevent and fight fires in peacetime. Data on fire occurrence and property damaged by fire are compiled by SCDF.

Definitions

Structural (Residential) : Refers to all building structures, either permanent or temporary, used for residential purposes only.

Structural (Non-Residential) : Refers to all building structures, either permanent or temporary, used for other than residential purposes such as commercial, manufacturing, storages, sales and services, etc.

Non-Structural : Refers to all properties other than building structures such as motor-vehicles, ships, vegetation, discarded materials, outdoor electrical cables/wiring, etc.

20.1 FIRE OCCURRENCES AND VALUE OF PROPERTY DAMAGED, 1983-1993

Type of Property	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993 ^P
Total	Fire Occurrences (Number)										
	6,802	4,646	5,384	5,306	5,206	4,718	5,177	6,444	5,740	5,102	5,724
	2,048	2,241	2,332	2,198	2,122	2,269	2,364	2,253	2,176	2,115	2,419
	679	614	642	700	583	682	590	645	1,149	736	745
	4,075	1,791	2,410	2,408	2,501	1,767	2,223	3,546	2,415	2,251	2,560
Total	Estimated Value of Property Damaged (Million Dollars)										
	47.1	28.0	18.8	17.3	17.9	39.9	75.6	43.7	23.2	9.2	na
	6.0	5.1	3.1	3.1	2.8	2.5	0.8	2.1	5.8	na	na
	18.5	20.8	14.2	12.9	13.4	36.3	73.3	39.8	12.1	na	na
	22.6	2.1	1.5	1.3	1.7	1.1	1.6	1.8	5.3	na	na

Source : Singapore Civil Defence Force

Type of Offence	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993 ^a
Number of Cases Reported											
Robbery	1,472	1,620	1,628	1,676	1,681	1,674	1,622	1,577	1,404	1,066	1,008
Housebreaking	3,006	3,134	3,523	3,001	3,014	3,999	3,931	3,790	3,520	3,039	2,924
Motor Vehicle Theft	4,154	4,331	4,199	3,505	3,790	3,937	3,615	3,685	3,346	3,491	3,162
Snatch Theft	1,057	1,277	1,445	1,159	1,258	1,089	924	999	678	609	589
Per 100,000 Resident Population											
Robbery	61	66	66	67	66	64	61	58	51	38	35
Housebreaking	125	128	142	119	118	154	148	140	127	108	102
Motor Vehicle Theft	173	177	169	139	148	152	137	136	121	124	110
Snatch Theft	44	52	58	46	49	42	35	37	25	22	20

Source : Criminal Investigation Department

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