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DEPARTMENT OF STATISTICS
SINGAPORE



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Chief Statistician
Department of Statistics
Ministry of Trade & Industry
8 Shenton Way
#10-01 Treasury Building
Singapore 0106
Republic of Singapore

PREFACE

The Yearbook of Statistics, Singapore, 1994 is the twenty-eighth 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 for 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.

DR PAUL CHEUNG
CHIEF STATISTICIAN
SINGAPORE

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NOTATIONS

p	preliminary
na	not available
nec	not elsewhere classified
-	nil or negligible

NOTE

Figures may not add up to the totals due to rounding.

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 six tables are included :-

Table 3.20	Labour Relations, 1984-1994
Table 4.12	Singapore's Equity Investment Abroad by Industry, 1990-1993
Table 4.13	Singapore's Equity Investment Abroad by Country, 1983-1993
Table 8.14	Stock and Occupancy of Properties, 1990-1994
Table 8.15	Potential Supply of Properties, 1990-1994
Table 14.12	Commercial Property Rental Index by Type of Property, 1989-1994

Replacement of Existing Series

The following two tables using October 1992 - September 1993 as base year replace the previous series with September 1987 - August 1988 as base year :-

Table 14.1	Consumer Price Index, 1984-1994
Table 14.2	Price Indices of Selected Consumer Items, 1984-1994

Other Changes

A new classification for **Air Pollution Levels** in Table 1.2 has been introduced.

The following two tables (in previous editions) have been discontinued :-

Table 6.9	Quarterly Index of Industrial Production
Table 11.13	Visitor Arrivals by Nationality

ECONOMIC INDICATORS I, 1984-1994

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 ¹	Index of Industrial Production ¹ (1992 = 100)
							Total	Public	Private			
	At Current Market Prices				At 1985 Market Prices							
	\$ Million	\$	\$ Million									
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	41,077.9	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	38,495.1	50.7
1986	39,911.2	12,943	15,410.3	14,716.6	39,681.3	14,381.4	23,940.1	5,606.8	18,333.3	1,450.0	37,258.7	55.1
1987	42,716.2	13,932	15,766.9	16,098.7	43,396.8	14,296.4	25,759.9	5,653.9	20,106.0	1,743.0	46,084.0	64.7
1988	50,946.1	15,841	20,863.0	17,074.0	48,283.4	14,978.4	28,150.8	5,339.1	22,811.7	2,007.4	56,470.0	76.5
1989	59,388.1	18,095	25,381.1	19,642.1	52,845.7	17,298.9	30,371.0	5,621.4	24,749.6	1,958.7	63,626.3	84.2
1990	68,132.7	20,578	29,930.0	24,164.5	57,470.6	19,078.8	32,887.5	6,281.7	26,605.8	2,487.4	71,333.2	92.6
1991	75,287.6	21,870	34,497.5	26,400.1	61,292.5	21,851.4	34,850.7	6,805.0	28,045.7	2,934.0	74,575.0	97.6
1992	81,852.3	24,100	39,370.4	29,344.5	64,950.0	24,477.2	36,403.7	6,961.7	29,442.0	3,481.0	77,275.9	100.0
1993	93,081.1	26,395	43,799.2	35,441.2	71,541.5	27,492.4	39,626.8	7,794.6	31,832.2	3,922.6	87,639.0	110.2
1994 ^P	104,879.6	28,820	52,178.3	33,924.9	78,765.4	29,590.9	41,067.8	7,858.5	33,209.3	5,764.6	99,979.6	124.4

¹ Refer to establishments engaging 10 or more workers.

ANNUAL CHANGES IN ECONOMIC INDICATORS I, 1984-1994 *(continued)*

Per Cent

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	Index of Industrial Production (1992 = 100)
							Total	Public	Private			
	At Current Market Prices					At 1985 Market Prices						
1984	11.6	8.5	14.0	10.4	8.3	9.4	5.1	5.2	5.1	3.0	10.4	8.9
1985	-1.2	-4.1	-11.0	-14.8	-1.6	-12.1	4.2	24.5	-0.9	-38.7	-6.3	-7.3
1986	-1.0	-0.8	-6.8	-11.1	1.9	-12.4	3.6	1.1	4.4	29.4	-3.2	8.7
1987	7.0	7.6	2.3	9.4	9.4	-0.6	7.6	0.8	9.7	20.2	23.7	17.5
1988	19.3	13.7	32.3	6.1	11.3	4.8	9.3	-5.6	13.5	15.2	22.5	18.3
1989	16.6	14.2	21.7	15.0	9.4	15.5	7.9	5.3	8.5	-2.4	12.7	10.1
1990	14.7	13.7	17.9	23.0	8.8	10.3	8.3	11.7	7.5	27.0	12.1	9.9
1991	10.5	6.3	15.3	9.3	6.7	14.5	6.0	8.3	5.4	18.0	4.5	5.4
1992	8.7	10.2	14.1	11.2	6.0	12.0	4.5	2.3	5.0	18.6	3.6	2.5
1993	13.7	9.5	11.2	20.8	10.1	12.3	8.9	12.0	8.1	12.7	13.4	10.2
1994 ^P	12.7	9.2	19.1	-4.3	10.1	7.6	3.6	0.8	4.3	47.0	14.1	12.9

ECONOMIC INDICATORS II, 1984-1994

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								
1984	8,792.4	2,719.9	8,006.3	14,889.5	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	7,656.2	1,866.7	6,062.6	11,329.3	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	8,490.6	803.7	5,329.0	8,964.8	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	7,368.2	1,068.5	4,198.8	7,056.6	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	4,888.3	1,765.1	4,137.2	6,273.3	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	5,009.3	2,671.1	6,472.8	4,039.0	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	6,265.8	2,493.8	7,066.0	4,718.5	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	7,178.1	3,551.5	8,232.3	4,262.7	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	9,558.1	2,888.4	8,827.1	6,580.5	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	8,161.1	3,156.5	9,039.7	6,505.7	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
1994	9,561.7	4,100.6	9,490.2	6,211.8	303,723.0	147,327.2	88,533.2	13,985.4	74,547.8	58,794.0	89.4	58,704.6	156,395.8

¹ Refer to private sector only.

ANNUAL CHANGES IN ECONOMIC INDICATORS II, 1984-1994 (continued)

Per Cent

Year	Building & Construction				External Trade								
	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	
1984	-24.7	-50.9	-35.7	121.4	6.4	11.2	13.2	3.3	23.9	7.9	-43.9	10.4	2.7
1985	-12.9	-31.4	-24.3	-23.9	-4.0	-2.3	-1.4	0.6	-3.3	-3.7	40.6	-4.8	-5.4
1986	10.9	-56.9	-12.1	-20.9	-3.2	-2.4	-1.6	-24.4	20.0	-3.9	-37.8	-2.6	-3.9
1987	-13.2	32.9	-21.2	-21.3	23.1	23.0	21.9	-1.9	36.0	25.2	16.7	25.4	23.2
1988	-33.7	65.2	-1.5	-11.1	30.0	31.2	26.8	-3.5	39.9	39.2	127.6	37.3	29.0
1989	2.5	51.3	56.5	-35.6	10.0	10.2	11.5	16.6	10.0	8.0	-78.3	11.1	9.8
1990	25.1	-6.6	9.2	16.8	11.4	9.3	13.6	29.6	8.5	1.8	-27.7	2.0	13.4
1991	14.6	42.4	16.5	-9.7	5.4	7.0	5.2	0.4	7.0	10.5	6.8	10.5	4.0
1992	33.2	-18.7	7.2	54.4	2.2	1.4	0.5	-22.1	8.4	3.3	-40.3	3.5	2.9
1993	-14.6	9.3	2.4	-1.1	16.4	15.6	13.7	8.6	14.9	19.1	-45.4	19.3	17.1
1994	17.2	29.9	5.0	-4.5	18.1	23.3	17.4	-3.9	22.5	33.4	62.3	33.3	13.7

ECONOMIC INDICATORS III, 1984-1994

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
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	273,723.1	158,959.7	114,763.4	838,416	444,019	394,397	5,178	123,368	18,962.4	1,016.8	433.9
1994	290,000.0 ^P	164,400.0 ^P	125,600.0 ^P	1,009,764	529,334	480,430	4,548	146,015	20,675.6	1,087.0	455.9

¹ Refer to Changi Airport only.

² Exclude calls to Peninsular Malaysia.

ANNUAL CHANGES IN ECONOMIC INDICATORS III, 1984-1994 (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					
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	16.5	12.5	16.6	14.8	18.7	-17.4	17.2	8.1	7.8	3.4
1994	5.9 ^P	3.4 ^P	9.4 ^P	20.4	19.2	21.8	-12.2	18.4	9.0	6.9	5.1

ECONOMIC INDICATORS IV, 1984-1994

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
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
1994	1.5274	23,411.5	85,165.5	6.53	201,952.5	99,032.2	90,974.2	6.49	4.23	416,345.4	45,049.0

¹ Include bills financing.

ANNUAL CHANGES IN ECONOMIC INDICATORS IV, 1984-1994 (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	Total Assets/Liabilities	
1984	0.9	3.0	15.3	16.2	6.7	8.3	14.5	9.4
1985	3.1	-0.9	18.9	7.5	2.6	1.5	21.3	9.1
1986	-1.0	11.8	4.0	8.8	6.5	-4.3	29.1	12.0
1987	-3.3	12.3	8.1	12.6	18.9	5.8	22.1	1.7
1988	-4.4	8.4	9.3	11.5	16.7	10.5	14.5	15.0
1989	-3.1	14.9	16.0	31.9	25.6	21.4	20.0	-7.8
1990	-7.1	11.0	25.7	5.3	19.9	13.6	16.0	-5.0
1991	-4.7	7.7	15.0	1.6	12.9	10.9	-8.4	-7.2
1992	-5.7	12.7	17.9	12.6	8.6	8.0	-0.7	22.5
1993	-0.8	23.6	18.4	11.1	8.8	13.5	8.6	14.7
1994	-5.5	2.3	9.4	18.6	16.0	16.0	7.8	6.7

ECONOMIC INDICATORS V, 1984-1994

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		Million Dollars		
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	1,823,094	103,892.7	967.9	491.1
1994	13,790.3	4,653.0	2,314.6	20,268.9	57,649.2	123,520.4	45,540.3	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.

ANNUAL CHANGES IN ECONOMIC INDICATORS V, 1984-1994 (continued)

Per Cent

Year	Finance Companies			POSBank	CPF	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		Net Premiums	Net Claims
								Number	Amount Insured		
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	18.6	17.0	16.4	17.2
1994	30.5	37.3	26.7	-0.2	10.2	-3.3	-31.4	na	na	na	na

ECONOMIC INDICATORS VI, 1984-1994

Year	Government Finance						Measures of Inflation			Tourism	
	Operating Revenue ¹	Operating Expendi- ture ²	Public Debt ³			Debt Servicing Ratio	Consumer Price Index (Oct 92- Sep 93 = 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	Thousand
1984	)	)	28,077.3	27,435.9	641.4	1.0	86.8	109.4	101.2	2,991.4	75.5
	)	)									
1985	)	)	32,164.4	31,568.1	596.3	2.4	87.2	107.0	100.0	3,031.0	65.9
	)	)									
1986	) na	) na	33,793.1	33,341.7	451.4	2.3	86.0	90.8	98.2	3,191.1	64.7
	)	)									
1987	)	)	38,274.3	37,971.1	303.2	1.3	86.4	97.6	99.4	3,678.8	68.7
	)	)									
1988	)	)	41,830.7	41,589.9	240.8	0.4	87.8	95.8	105.8	4,186.1	79.3
	)	)									
1989	11,547.0	6,105.8	46,209.7	46,071.0	138.7	0.7	89.8	98.3	111.5	4,830.0	86.4
1990	13,102.2	7,061.6	51,425.6	51,357.7	67.9	0.2	92.9	100.0	117.8	5,322.9	84.0
1991	14,851.6	7,805.3	59,041.1	59,000.3	40.8	0.1	96.1	95.9	122.8	5,414.7	76.7
1992	17,218.4	8,485.6	67,252.5	67,228.2	24.3	0.4	98.3	91.7	124.2	5,989.9	79.8
1993	19,527.2	9,144.0	69,822.0	69,810.4	11.6	0.1	100.5	89.2	129.1	6,425.8	83.4
1994	23,280.2 ^P	9,699.8 ^P	75,344.4	75,339.7	4.7 ^P	0.01 ^P	103.6	87.3	133.7 ^P	6,899.0	86.6

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.

ANNUAL CHANGES IN ECONOMIC INDICATORS VI, 1984-1994 (continued)

Per Cent

Year	Government Finance					Measures of Inflation			Tourism
	Operating Revenue	Operating Expenditure	Public Debt			Consumer Price Index (Oct 92-Sep 93 = 100)	Domestic Supply Price Index (1990 = 100)	Gross Domestic Product Deflator (1985 = 100)	Visitor Arrivals
			Total	Domestic	External				
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
1986	)	)	5.1	5.6	-24.3	-1.4	-15.1	-1.8	5.3
1987	) na	) na	13.3	13.9	-32.8	0.5	7.5	1.2	15.3
1988	)	)	9.3	9.5	-20.6	1.5	-1.9	6.4	13.8
1989	)	)	10.5	10.8	-42.4	2.4	2.6	5.4	15.4
1990	13.5	15.7	11.3	11.5	-51.0	3.4	1.7	5.7	10.2
1991	13.4	10.5	14.8	14.9	-39.9	3.4	-4.1	4.2	1.7
1992	15.9	8.7	13.9	13.9	-40.4	2.3	-4.4	1.1	10.6
1993	13.4	7.8	3.8	3.8	-52.3	2.3	-2.8	3.9	7.3
1994	19.2 ^p	6.1 ^p	7.9	7.9	-59.5 ^p	3.1	-2.1	3.6 ^p	7.4

SOCIAL INDICATORS I, 1984-1994

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	
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	4.6	82.7	4.7	1,778	859
1994	2,930.2	2.0	4,535	31.4	48.7	42.2	16.4 ^p	4.7 ^p	82.8 ^p	4.3 ^p	1,750 ^p	848 ^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, 1984-1994

Year	Education										
	Pupils Per Teacher		Graduates of Institutions of Higher Learning ¹	Student Enrolment Ratio ²	Literacy Rate ³	Passes at			Government Recurrent Expenditure Per Student		
	Primary	Secondary				PSLE ⁴	GCE 'O' Level	GCE 'A' Level	Primary	Secondary	Tertiary
Number			Per Cent						Dollars		
1984	28	23	8,332	93.6	85.0	85.5	79.9	65.3	1,399	2,090	9,742
1985	27	22	8,955	94.0	85.7	85.9	89.0	66.2	1,521	2,269	9,702
1986	26	23	10,418	95.5	86.3	85.6	85.3	70.8	1,429	1,981	8,574
1987	26	22	11,883	94.5	87.0	86.5	88.1	73.9	1,501	2,092	9,195
1988	26	22	12,582	93.9	87.7	86.5	89.2	72.5	1,723	2,410	8,370
1989	26	22	12,815	93.5	88.4	88.4	88.1	68.5	1,929	2,678	8,570
1990	26	21	13,711	92.4	89.1	88.2	88.9	76.5	2,061	2,982	9,457
1991	26	20	14,552	92.3	89.7	89.8	89.9	83.0	2,117	3,217	17,207
1992	26	20	16,299	92.7	90.3	91.2	89.0	82.7	2,164	3,382	9,711
1993	24	21	18,318	92.3	90.8	92.2	90.4	86.0	2,297	3,677	9,635
1994	24	22	19,632	91.6	91.3	92.9	89.4	88.0	2,658	3,867	10,669

¹ Refer to university first degree graduates and polytechnic graduates of full-time and part-time diploma courses.

² Students aged 6-17 years divided by resident population of same age group.

³ Refer to resident population aged 15 years and over.

⁴ From 1993, figures refer to students promoted to secondary schools.

SOCIAL INDICATORS III, 1984-1994

Year	Employment					Health			
	Labour Force ¹	Unemployment Rate ¹	Labour Force Participation Rate ¹	CPF Contributors in Labour Force	Union Members Among Employed	Per Capita ² Government Expenditure on Health	Doctors	Dentists	Nurses
	Thousand	Per Cent				Dollar	Per 10,000 Resident Population		
1984	1,304	2.7	63.4	72.3	15.2	183	10	2	32
1985	1,288	4.1	62.2	69.1	16.3	195	11	2	34
1986	1,299	6.5	62.3	70.2	16.5	163	11	2	34
1987	1,329	4.7	62.7	70.4	16.2	176	12	2	34
1988	1,378	3.3	62.9	70.0	15.8	197	12	2	34
1989	1,425	2.2	63.1	69.4	15.3	240	13	2	35
1990	1,563	1.7	66.0	67.4	13.8	269	13	2	36
1991	1,554	1.9	64.8	67.7	14.2	310	14	2	37
1992	1,620	2.7	65.3	66.3	14.5	429	14	3	38
1993	1,636	2.7	64.5	67.7	14.8	366	14	3	39
1994	1,693	2.6	64.9	67.3	14.1	458	15	3	40

1 Refer to population aged 15 years and over in June of the respective years.
Labour force and unemployment rate for 1990 are obtained from the Population Census.

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

SOCIAL INDICATORS IV, 1984-1994

Year	Culture & Recreation				Communications				
	Daily Newspapers Circulation	Per Cent of National Library Members to Population		Annual Cinema Attendances	Television Licences	Residential Telephone Lines	Public Buses	Private Cars	Taxis
	Per 1,000 Population	Under 12 Years	12 Years & Over	Per Person	Per 1,000 Population		Per 10,000 Population		
1984	290	46.3	25.1	11	194	219	34	802	45
1985	288	49.9	29.7	9	194	234	35	806	44
1986	272	51.3	33.3	8	202	241	34	795	42
1987	274	45.9	32.4	8	208	245	34	790	41
1988	286	27.6	14.6	9	213	249	34	831	40
1989	293	33.4	20.9	8	201	255	34	885	40
1990	301	34.7	24.8	8	215	258	35	916	45
1991	318	33.9	27.7	8	216	260	34	945	46
1992	325	33.6	30.5	7	218	265	34	953	48
1993	340	33.7	29.2	7	222	270	34	1,004	48
1994	351	34.5	31.3	6	220	279	35	1,050	50

Note : Data refer to resident population.

SOCIAL INDICATORS V, 1984-1994

Year	Public Housing ¹				Utilities		Fire Occurrences	Public Order	
	Public Flats		Per Cent of Total Population Living in ⁴		Domestic Electricity Consumption Per Resident	Domestic Water Consumption Per Resident		Total Offences	Police Force
	Total ² Number Managed	Per Cent ³ Owner-occupied	Public Flats	Owner-occupied Public Flats	Kilowatt Hour	Cubic Metre	Number	Per 10,000 Resident Population	
1984	506,340	74	81	60	546.8	55.7	4,646	184	32
1985	551,767	76	84	64	588.8	57.1	5,384	188	33
1986	585,445	78	85	66	621.5	57.4	5,306	198	33
1987	612,826	80	86	69	676.9	59.4	5,206	194	31
1988	630,645	82	87	71	717.4	61.4	4,718	223	30
1989	610,955	87	88	79	735.0	62.5	5,177	211	29
1990	623,821	87	87	80	884.3	65.6	6,444	204	29
1991	626,313	88	87	82	962.0	67.9	5,740	193	29
1992	641,016	89	87	82	1,024.9	70.0	5,102	183	29
1993	655,487	89	87	81	1,087.2	71.4	5,724	170	29
1994	676,558	90	86	80	1,182.9	73.7	5,830	166	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.

1 CLIMATE, ATMOSPHERIC ENVIRONMENT AND LAND USE

1 CLIMATE, ATMOSPHERIC ENVIRONMENT AND LAND USE

Location

The Republic of Singapore, is located between latitudes $1^{\circ} 09'N$ and $1^{\circ} 29'N$ and longitudes $103^{\circ} 38'E$ and $104^{\circ} 06'E$. This location at the focal point of the trade routes in Southeast Asia 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 646.1 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 Mount Faber Ridge and Pasir Panjang Ridge; and the eastern coastal area consisting of alluvium and sediment and stretching 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 $31^{\circ}C$ and $24^{\circ}C$ 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 the 12 ambient air monitoring stations by the telemetric air quality monitoring system which was installed in December 1993. The 12 stations are located in urban, industrial and rural areas. The pollutants monitored are sulphur dioxide (12 stations), nitrogen oxides (12 stations), carbon monoxide (4 stations), ozone (4 stations) and PM10 (8 stations).

The overall air pollution levels in 1994 were generally low and were within the World Health Organisation (WHO) and

US Environmental Protection Agency (USEPA) standards.

Singapore experienced a bad haze episode during August to October 1994. The haze was due to smoke from forest fires in Indonesia. During the period, the levels of PM10 increased sharply.

Land Use

Of the total land area, about 49.3 per cent has been developed for residential, commercial and industrial usage and another 1.2 per cent used for agriculture. The rest consists of forest reserves, marsh and other non-built up areas.

1.1 WEATHER CONDITION, 1984-1994

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
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
1994	31.3	24.7	72	1,942	178	160	5.4

Source : Meteorological Service

1.2 AIR POLLUTION LEVELS, 1992-1994

Period	Sulphur Dioxide (Mean) $\mu\text{g}/\text{m}^3$			Nitrogen Dioxide (Mean) $\mu\text{g}/\text{m}^3$			PM 10 (Mean) $\mu\text{g}/\text{m}^3$			Carbon Monoxide No. of times max 8-hour value exceeded			Ozone No. of times max 1-hour value exceeded		
	Industrial	Urban	Rural	Industrial	Urban	Rural	Industrial	Urban	Rural	Industrial	Urban	Rural	Industrial	Urban	Rural
1992	22	18	11	20	22	26	na	na	na	na	na	na	-	-	-
1993	25	15	11	15	15	15	40	38	38	na	na	na	-	-	-
1994	29	17	12	30	32	24	54	45	46	na	na	na	-	-	1

Notes : Standards for Air Quality

Sulphur Dioxide	= 80 $\mu\text{g}/\text{m}^3$ (annual mean). 122 $\mu\text{g}/\text{m}^3$ (monthly mean)
Nitrogen Dioxide	= 100 $\mu\text{g}/\text{m}^3$ (annual mean). 153 $\mu\text{g}/\text{m}^3$ (monthly mean)
PM10 (Particulate Matter ≤ 10 microns)	= 50 $\mu\text{g}/\text{m}^3$ (annual mean). 76 $\mu\text{g}/\text{m}^3$ (monthly mean)
Carbon Monoxide	= 10 mg/m^3 (maximum 8-hour value)
Ozone	= 235 $\mu\text{g}/\text{m}^3$ (maximum 1-hour value)

All measurements of air quality are corrected to a reference temperature of 25°C and pressure of 760 mm of mercury.

Source : Ministry of the Environment

1.3 LAND USE, 1984-1994

Square Kilometres

Year	Total	Built-up Area ¹	Farm Holding Area ²	Forest	Marsh & Tidal Waste	Others ³
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
1994	646.1	318.9	7.8	28.6	15.7	275.1

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.

Source : Survey Department

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". 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.

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.

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

2.1 POPULATION, 1901 ..., 1984-1994

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	2,282.1	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													
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
1994	2,930.2	1,476.3	1,453.9	1,136.5	1,133.1	211.6	204.3	111.6	97.8	16.6	18.7	2.0	1,015

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 MALE RESIDENTS BY AGE GROUP, 1984-1994

Thousand

Age Group (Years)	1984	1985	1986	1987	1988	1989	1990 ¹	1991	1992	1993	1994
Total	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	1,476.3
0 - 4	103.6	105.5	105.3	103.8	106.2	112.2	115.7	121.4	126.3	127.7	126.6
5 - 9	100.2	99.7	101.0	102.1	104.7	105.0	106.4	106.6	106.0	108.7	115.5
10 - 14	114.1	113.5	110.9	108.5	103.9	102.1	102.3	103.7	104.4	106.9	107.2
15 - 19	121.8	116.9	113.7	113.0	113.9	114.8	114.5	112.0	109.7	105.2	103.4
20 - 24	141.6	138.6	135.5	131.7	127.7	122.0	118.4	116.5	116.6	118.2	119.2
25 - 29	141.9	145.6	147.7	147.2	146.5	145.5	143.7	142.1	139.7	137.0	132.2
30 - 34	118.9	123.9	130.1	136.5	141.5	145.3	149.3	151.9	152.2	152.4	152.4
35 - 39	89.2	100.8	109.1	112.2	117.1	122.6	128.7	135.0	141.2	145.9	149.8
40 - 44	66.8	63.7	63.9	72.8	81.9	90.5	103.3	112.2	115.4	120.3	125.8
45 - 49	58.4	61.0	64.2	66.2	66.7	66.9	64.3	64.7	73.8	83.0	91.6
50 - 54	49.9	51.3	52.2	52.4	53.4	56.4	59.1	62.8	65.2	65.9	66.3
55 - 59	42.4	44.2	45.7	46.4	47.3	47.9	49.7	50.2	50.2	51.3	54.2
60 - 64	32.1	33.0	34.1	35.6	37.4	39.1	40.9	42.1	42.7	43.6	44.5
65 - 69	24.2	25.0	25.9	26.6	27.5	28.4	29.3	30.4	31.7	33.1	34.6
70 - 74	18.2	18.6	18.6	18.9	19.3	19.8	20.5	21.1	21.9	22.7	23.6
75 & Over	15.9	17.2	18.6	20.3	21.6	22.8	24.0	25.3	26.7	28.0	29.4

¹ Census of Population.

2.3 ESTIMATES OF SINGAPORE FEMALE RESIDENTS BY AGE GROUP, 1984-1994

Thousand

Age Group (Years)	1984	1985	1986	1987	1988	1989	1990 ¹	1991	1992	1993	1994
Total	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	1,453.9
0 - 4	95.6	97.8	97.0	96.3	98.7	104.5	107.7	113.1	118.4	119.4	118.4
5 - 9	93.2	92.4	93.8	94.5	96.8	97.1	98.6	98.4	98.1	101.1	107.9
10 - 14	106.5	105.9	103.6	101.3	97.1	95.1	95.6	96.9	97.2	99.2	99.3
15 - 19	116.3	111.0	107.2	105.5	106.3	107.1	106.9	105.1	103.3	99.2	97.2
20 - 24	135.1	133.1	131.1	127.7	123.6	117.5	113.9	112.4	113.5	116.3	118.1
25 - 29	136.8	139.6	141.1	140.9	140.6	140.5	140.0	140.0	139.1	137.4	134.2
30 - 34	115.9	120.7	126.3	131.8	136.5	140.2	143.7	146.2	147.4	148.6	150.1
35 - 39	87.8	99.2	107.5	110.3	114.2	118.7	124.0	130.0	135.8	140.7	145.0
40 - 44	66.6	63.2	62.9	71.5	80.6	88.8	100.7	109.2	112.2	116.3	121.0
45 - 49	57.7	60.3	63.9	66.2	66.7	66.4	63.3	63.1	71.9	81.1	89.4
50 - 54	48.6	50.6	51.8	51.8	52.9	56.0	58.4	62.7	65.6	66.1	65.9
55 - 59	40.6	43.1	44.7	45.8	46.5	47.7	50.1	50.7	50.3	51.5	54.8
60 - 64	32.0	32.3	33.4	35.1	37.1	39.6	41.9	43.2	44.0	44.7	45.9
65 - 69	26.5	27.3	28.0	28.6	29.3	29.9	30.4	31.6	33.2	35.0	37.3
70 - 74	21.6	22.1	22.4	22.9	23.2	23.7	24.5	25.0	25.5	26.3	26.8
75 & Over	23.8	25.5	27.4	29.5	31.8	33.5	35.3	37.1	39.0	41.0	42.6

¹ Census of Population.

2.4 ESTIMATES OF SINGAPORE RESIDENTS BY AGE GROUP, ETHNIC GROUP AND SEX, END JUNE 1994

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	2,930.2	1,476.3	1,453.9	2,269.6	1,136.5	1,133.1	415.9	211.6	204.3	209.4	111.6	97.8	35.3	16.6	18.7
0 - 4	245.0	126.6	118.4	170.9	88.5	82.4	48.9	25.2	23.7	19.8	10.1	9.7	5.4	2.8	2.6
5 - 9	223.4	115.5	107.9	158.6	82.4	76.2	43.5	22.2	21.3	17.7	9.1	8.6	3.6	1.8	1.8
10 - 14	206.5	107.2	99.3	153.4	79.7	73.7	35.5	18.4	17.1	15.2	7.9	7.3	2.4	1.2	1.2
15 - 19	200.6	103.4	97.2	158.7	81.7	77.0	27.5	14.3	13.2	12.6	6.5	6.1	1.8	0.9	0.9
20 - 24	237.3	119.2	118.1	187.5	94.1	93.4	32.3	16.5	15.8	15.5	7.7	7.8	2.0	0.9	1.1
25 - 29	266.4	132.2	134.2	202.6	100.5	102.1	41.5	21.0	20.5	19.5	9.7	9.8	2.8	1.0	1.8
30 - 34	302.5	152.4	150.1	230.6	116.0	114.6	46.1	23.7	22.4	22.4	11.4	11.0	3.4	1.3	2.1
35 - 39	294.8	149.8	145.0	233.5	118.5	115.0	38.0	19.5	18.5	20.3	10.5	9.8	3.0	1.3	1.7
40 - 44	246.8	125.8	121.0	200.5	102.5	98.0	27.7	13.8	13.9	16.2	8.3	7.9	2.4	1.2	1.2
45 - 49	181.0	91.6	89.4	149.2	75.6	73.6	18.2	9.0	9.2	11.7	6.0	5.7	1.9	1.0	0.9
50 - 54	132.2	66.3	65.9	109.5	54.7	54.8	12.5	5.9	6.6	8.9	5.0	3.9	1.3	0.7	0.6
55 - 59	109.0	54.2	54.8	87.5	43.6	43.9	12.8	6.2	6.6	7.4	3.8	3.6	1.3	0.6	0.7
60 - 64	90.4	44.5	45.9	70.7	33.9	36.8	10.7	4.9	5.8	7.8	5.1	2.7	1.2	0.6	0.6
65 - 69	71.9	34.6	37.3	55.1	24.7	30.4	9.2	4.7	4.5	6.6	4.7	1.9	1.0	0.5	0.5
70 - 74	50.4	23.6	26.8	39.2	16.6	22.6	6.1	3.4	2.7	4.3	3.2	1.1	0.8	0.4	0.4
75 & Over	72.0	29.4	42.6	62.1	23.5	38.6	5.4	2.9	2.5	3.5	2.6	0.9	1.0	0.4	0.6

2.5 VITAL STATISTICS, 1984-1994

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
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	50,225	25,948	24,274	14,461	235	35,764	17.0	4.6	12.4	4.7
1994 ^P	49,602	25,540	24,062	14,946	213	34,656	16.4	4.7	11.7	4.3

¹ Includes 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, 1984-1994

Per 1000 Resident Females

Age Group (Years)	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994 ^p
15 - 19	10.3	9.6	8.6	7.7	7.3	7.2	8.4	8.5	7.9	8.3	7.4
20 - 24	68.6	68.0	60.4	59.7	65.0	59.7	60.5	55.2	53.5	50.9	47.5
25 - 29	124.2	123.9	110.1	124.8	147.5	129.7	139.1	132.4	131.5	133.2	132.8
30 - 34	83.0	85.6	74.4	92.5	118.9	104.5	112.7	108.9	109.6	111.4	112.0
35 - 39	32.1	31.1	28.4	33.5	44.9	42.1	44.9	42.4	42.5	44.5	43.6
40 - 44	4.9	4.5	4.7	5.9	7.4	7.6	7.4	6.5	6.8	7.3	6.9
Total Fertility Rate	1,615	1,614	1,433	1,621	1,956	1,754	1,865	1,770	1,760	1,778	1,750
Gross Reproduction Rate	772	776	688	781	945	845	898	858	853	859	848
Net Reproduction Rate	755	760	674	764	924	826	885	845	840	846	836

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 a) BIRTH ORDER AND b) PLACE OF OCCURRENCE, 1984-1994

	Number										
	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994 ^P
Total	41,556	42,484	38,379	43,616	52,957	47,669	51,142	49,114	49,402	50,225	49,602
Birth Order ¹											
1st	18,071	18,638	17,336	17,586	20,522	19,465	20,325	19,623	20,307	20,677	20,459
2nd	15,171	15,498	13,406	16,441	19,495	16,631	18,232	17,578	17,374	17,807	17,671
3rd	5,877	5,900	5,443	6,966	9,806	8,845	9,624	8,938	8,843	8,759	8,563
4th	1,606	1,525	1,337	1,590	2,036	2,017	2,258	2,299	2,223	2,279	2,226
5th	436	443	382	398	459	471	481	470	441	507	494
6th & Over	276	236	205	235	229	237	218	206	213	192	186
Place of Occurrence											
Public Sector Hospitals	30,500	30,456	25,896	26,212	28,695	24,991	24,214	23,265	23,275	23,229	22,070
Private Sector Hospitals	10,337	11,375	12,054	17,004	23,908	22,364	26,618	25,622	25,930	26,814	27,382
Nursing Homes	296	259	137	131	119	81	71	36	39	20	1
Other Locations	423	394	292	269	235	233	239	191	158	162	149

¹ Excludes birth order not stated.

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

2.8 MALE AND FEMALE AGE SPECIFIC DEATH RATES, 1989-1994

Per Thousand Residents

Age Group (Years)	Males						Females					
	1989	1990	1991	1992	1993	1994	1989	1990	1991	1992	1993	1994
Total	5.4	5.2	5.2	5.2	5.0	5.2	4.4	4.3	4.2	4.2	4.3	4.2
Under 1 ¹	7.0	7.1	5.9	5.4	5.0	4.5	6.0	6.2	4.9	4.5	4.2	4.1
1 - 4	0.3	0.4	0.3	0.3	0.3	0.4	0.4	0.2	0.3	0.3	0.3	0.3
5 - 9	0.3	0.2	0.2	0.3	0.1	0.1	0.2	0.1	0.2	0.1	0.2	0.1
10 - 14	0.3	0.3	0.2	0.4	0.3	0.3	0.2	0.2	0.3	0.2	0.2	0.2
15 - 19	0.6	0.5	0.5	0.5	0.5	0.5	0.4	0.2	0.3	0.3	0.2	0.3
20 - 24	0.7	0.8	0.7	0.8	0.8	0.7	0.5	0.4	0.4	0.3	0.3	0.3
25 - 29	0.8	0.8	0.8	0.8	0.6	0.7	0.5	0.5	0.4	0.4	0.3	0.3
30 - 34	1.0	1.0	0.9	0.9	0.7	0.8	0.6	0.6	0.5	0.6	0.5	0.4
35 - 39	1.3	1.4	1.2	1.2	1.0	1.3	1.0	1.0	0.7	0.7	0.8	0.8
40 - 44	2.3	2.2	1.9	2.1	2.0	2.0	1.6	1.4	1.5	1.4	1.4	1.1
45 - 49	3.6	4.0	3.5	3.7	3.4	3.2	2.4	2.4	1.9	2.3	1.9	2.1
50 - 54	7.8	6.9	6.8	6.1	6.2	5.9	4.0	4.2	3.7	3.9	3.9	3.6
55 - 59	14.0	12.0	12.6	11.0	10.6	10.3	6.7	7.4	6.6	6.4	6.7	6.5
60 - 64	21.2	20.9	20.8	20.4	18.6	18.1	12.3	10.9	11.1	10.7	10.2	10.5
65 - 69	32.9	30.2	30.3	31.1	29.4	30.8	19.6	18.7	18.0	17.8	17.6	16.9
70 - 74	53.6	47.0	45.6	46.1	43.7	43.7	33.6	31.3	31.5	27.7	29.3	30.8
75 & Over	91.7	86.1	86.8	86.7	83.1	84.4	72.6	72.0	67.8	69.4	69.8	65.4

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

2.9 DEATHS BY BROAD GROUP OF CAUSES, 1984-1994

Causes of Death	Number										
	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994 ^p
All Causes	13,162	13,348	12,821	13,173	13,690	14,069	13,891	13,876	14,337	14,461	14,946
Infective & Parasitic Diseases	390	375	402	432	430	439	347	321	342	389	360
of which : Tuberculosis	163	177	177	186	168	132	113	104	101	115	99
Neoplasms	2,817	2,939	2,921	3,169	3,233	3,321	3,314	3,405	3,497	3,560	3,778
of which : Cancer	2,776	2,893	2,887	3,131	3,194	3,283	3,269	3,361	3,456	3,531	3,750
Endocrine, Nutritional & Metabolic Diseases	512	492	508	521	525	461	388	359	269	309	374
of which : Diabetes	469	464	479	492	501	419	332	320	238	264	334
Diseases of the Blood & Blood-forming Organs	28	29	30	35	35	48	50	40	33	34	23
Diseases of the Nervous System & Sense Organs	97	87	87	102	133	111	143	117	127	93	70
Diseases of the Circulatory System	4,637	4,651	4,482	4,675	4,847	5,082	5,152	5,070	5,270	5,315	5,429
of which : Heart & Hypertensive Diseases	3,156	3,129	3,028	3,251	3,318	3,416	3,385	3,234	3,457	3,552	3,627
Cerebrovascular Disease	1,413	1,418	1,355	1,343	1,414	1,551	1,666	1,700	1,697	1,652	1,691
Diseases of the Respiratory System	2,096	2,241	1,974	1,942	2,110	2,167	2,112	2,289	2,522	2,588	2,548
of which : Pneumonia	1,204	1,287	1,082	998	1,039	1,130	1,191	1,285	1,420	1,596	1,656
Bronchitis	55	63	53	49	52	33	32	27	46	13	12
Diseases of the Digestive System	369	394	326	329	380	363	374	406	353	361	391
Diseases of the Genito-Urinary System	405	319	343	393	380	370	346	369	362	371	441
Congenital Anomalies	172	189	202	171	201	170	189	164	163	160	147
of which : Congenital Anomalies of Heart	91	84	101	87	98	75	84	82	92	94	89
Certain Causes of Perinatal Mortality	151	147	128	128	127	135	123	89	82	76	67
Accidents, Poisonings & Violence	1,095	1,082	1,025	931	958	1,042	1,008	1,074	1,127	1,066	952
of which : Motor Vehicle Accidents	343	292	265	233	242	245	246	258	240	274	246
Other Accidents	194	214	223	198	168	206	200	229	231	216	151
Suicides	211	327	329	302	367	395	354	319	298	296	321
Other Diseases & Causes	393	403	393	345	331	360	345	173	190	130	366 ¹
of which : Senility	236	170	140	125	112	113	108	16	5	4	2

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

2.10 RESIDENT POPULATION AGED 60 YEARS AND OVER, 1984-1994

	1984	1985	1986	1987	1988	1989	1990 ¹	1991	1992	1993	1994
Demographic Characteristics²											
Residents Aged 60 Years & Over ('000)	194.3	201.0	208.4	217.5	227.2	236.8	246.8	255.8	264.7	274.4	284.7
Percent of Total Resident Population	7.9	8.1	8.3	8.5	8.7	8.9	9.1	9.2	9.4	9.5	9.7
Sex Ratios (Males Per 1,000 Females) of Residents Aged											
60 Years & Over	870	875	874	873	872	869	868	869	868	867	866
60 - 69 Years	962	973	977	977	977	971	971	969	964	962	951
70 Years & Over	751	752	747	748	744	745	744	747	754	753	764
Literacy Rate of Residents Aged 60 Years & Over (Per Thousand Resident Population)											
Males	739	751	762	774	785	797	808	822	834	846	857
Females	248	262	275	289	303	317	330	366	401	434	467
Economic Characteristics³											
Economically Active Persons Aged 60 Years & Over ('000)	45.6	44.0	40.7	40.6	40.6	43.4	50.7	47.0	52.5	54.4	58.3
Percent of Total Economically Active	3.5	3.4	3.1	3.1	3.0	3.0	3.2	3.0	3.2	3.3	3.4
Employed Persons Aged 60 Years & Over ('000)	44.7	43.2	39.1	39.7	40.2	43.0	50.7	46.5	52.0	53.5	57.5
Self-employed (%)	39.8	37.9	43.0	44.3	40.9	41.4	36.0	35.9	37.7	36.4	33.7
Employees (%)	56.3	58.4	52.5	52.0	55.8	56.1	61.7	61.7	60.0	62.0	64.1

1 Census of Population.

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

3 Figures refer to Singapore residents and non-residents.

2.11 MARRIAGES REGISTERED BY ETHNIC GROUP OF COUPLE, 1984-1994

Number

Year	All Marriages Registered	Women's Charter					Muslim Law Act			
		Total	Chinese	Indians	Others	Inter-ethnic	Total	Malays	Others	Inter-ethnic
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
1994	24,654	20,243	17,681	1,044	144	1,374	4,411	3,381	235	795

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

2.12 MARRIAGES BY AGE GROUP OF GROOMS AND BRIDES, 1992-1994

Age Group (Years)	1992				1993				1994				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	21,025	4,759	21,025	4,759	20,692	4,606	20,692	4,606	20,243	4,411	20,243	4,411	
Under 20	89	56	749	492	89	84	613	455	79	73	519	402	
20 - 24	2,854	967	7,583	2,006	2,635	854	7,363	1,843	2,639	890	7,257	1,815	
25 - 29	9,311	2,170	8,478	1,330	9,047	2,010	8,365	1,356	8,533	1,806	8,218	1,175	
30 - 34	5,507	859	2,821	489	5,496	929	2,829	497	5,311	868	2,709	547	
35 - 39	2,075	358	928	223	2,118	362	997	241	2,232	382	1,018	251	
40 - 44	682	151	325	121	740	151	337	111	854	168	336	118	
45 - 49	252	78	88	53	279	76	121	65	324	81	124	58	
50 & Over	255	120	53	45	288	140	67	38	271	143	62	45	

Note : See note to Table 2.11.

Source : Registry of Marriages
Registry of Muslim Marriages

2.13 AVERAGE AGE AT MARRIAGE OF GROOMS AND BRIDES, 1984-1994

Years

Year	All Marriages		Women's Charter		Muslim Law Act	
	Grooms	Brides	Grooms	Brides	Grooms	Brides
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
1994	30.5	27.0	30.6	27.1	30.1	26.7

2.14 AGE SPECIFIC MARRIAGE RATES, 1970, 1980, 1987-1994

Age Group (Years)	1970	1980	1987	1988	1989	1990	1991	1992	1993	1994
Males (Per Thousand Unmarried Male Residents)										
15 - 19	1.6	1.7	1.0	0.8	1.1	1.2	1.4	1.3	1.6	1.4
20 - 24	52.4	49.9	37.9	38.8	39.3	36.0	36.1	32.9	29.6	29.6
25 - 29	173.0	140.1	104.1	112.1	104.3	110.7	112.2	116.7	110.7	109.4
30 - 34	171.7	138.0	107.8	111.7	103.9	98.2	108.5	109.9	107.0	111.1
35 - 39	113.1	106.3	87.7	77.1	77.6	69.4	78.2	79.9	78.1	77.7
40 - 44	59.5	62.8	61.1	59.5	63.3	42.1	51.4	50.5	53.0	55.4
General Marriage Rate (15-44)	51.6	55.0	53.4	56.3	55.2	53.6	56.6	57.7	56.0	55.2
Females (Per Thousand Unmarried Female Residents)										
15 - 19	19.1	18.4	11.9	10.8	10.7	11.1	10.9	10.1	8.8	7.3
20 - 24	123.8	110.5	87.9	94.6	88.5	87.4	86.9	80.4	73.0	71.0
25 - 29	192.3	136.5	124.3	130.3	114.4	136.0	139.4	134.7	133.3	133.7
30 - 34	99.1	74.3	74.3	76.7	76.7	70.3	76.8	74.9	75.1	77.6
35 - 39	46.0	43.6	37.8	38.1	35.8	37.0	37.7	36.9	38.7	39.3
40 - 44	18.1	22.0	19.3	20.7	20.3	14.8	15.7	17.6	18.0	16.9
General Marriage Rate (15-44)	67.3	68.9	63.9	67.1	61.7	62.1	63.9	61.3	59.7	58.2

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

2.15 DIVORCES BY ETHNIC GROUP OF COUPLE, 1984-1994

Number

Year	Women's Charter					Muslim Law Act				
	Total	Chinese	Indians	Others	Inter-ethnic	Total	Malays	Indians	Others	Inter-ethnic
1984	1,676	1,484	115	11	66	637	505	24	3	105
1985	1,606	1,382	127	11	86	738	579	30	8	121
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
1994	2,690	2,322	209	22	137	1,082	912	31	1	138

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

Source : Supreme Court
Syariah Court

2.16 DIVORCEES BY AGE GROUP AND SEX, 1992-1994

Number

Age Group (Years)	1992				1993				1994			
	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	2,942	1,002	2,942	1,002	2,742	1,224	2,742	1,224	2,690	1,082	2,690	1,082
Under 20	-	3	1	18	-	4	-	17	-	6	3	25
20 - 24	40	47	195	120	20	42	145	153	28	51	152	151
25 - 29	423	190	708	253	368	224	612	282	317	192	569	238
30 - 34	696	254	736	225	656	308	743	299	621	305	648	272
35 - 39	688	189	579	181	639	281	552	218	615	223	565	176
40 - 44	520	119	362	99	486	162	349	123	476	133	389	109
45 - 49	221	77	163	50	264	77	170	72	310	69	189	51
50 & Over	279	123	124	56	263	126	125	60	265	103	117	60
Not Stated	75	-	74	-	46	-	46	-	58	-	58	-
Mean Age (Years)	38.1	37.4	34.7	33.7	38.5	37.3	35.1	33.8	38.9	36.8	35.4	33.5

Note : See note to Table 2.15.

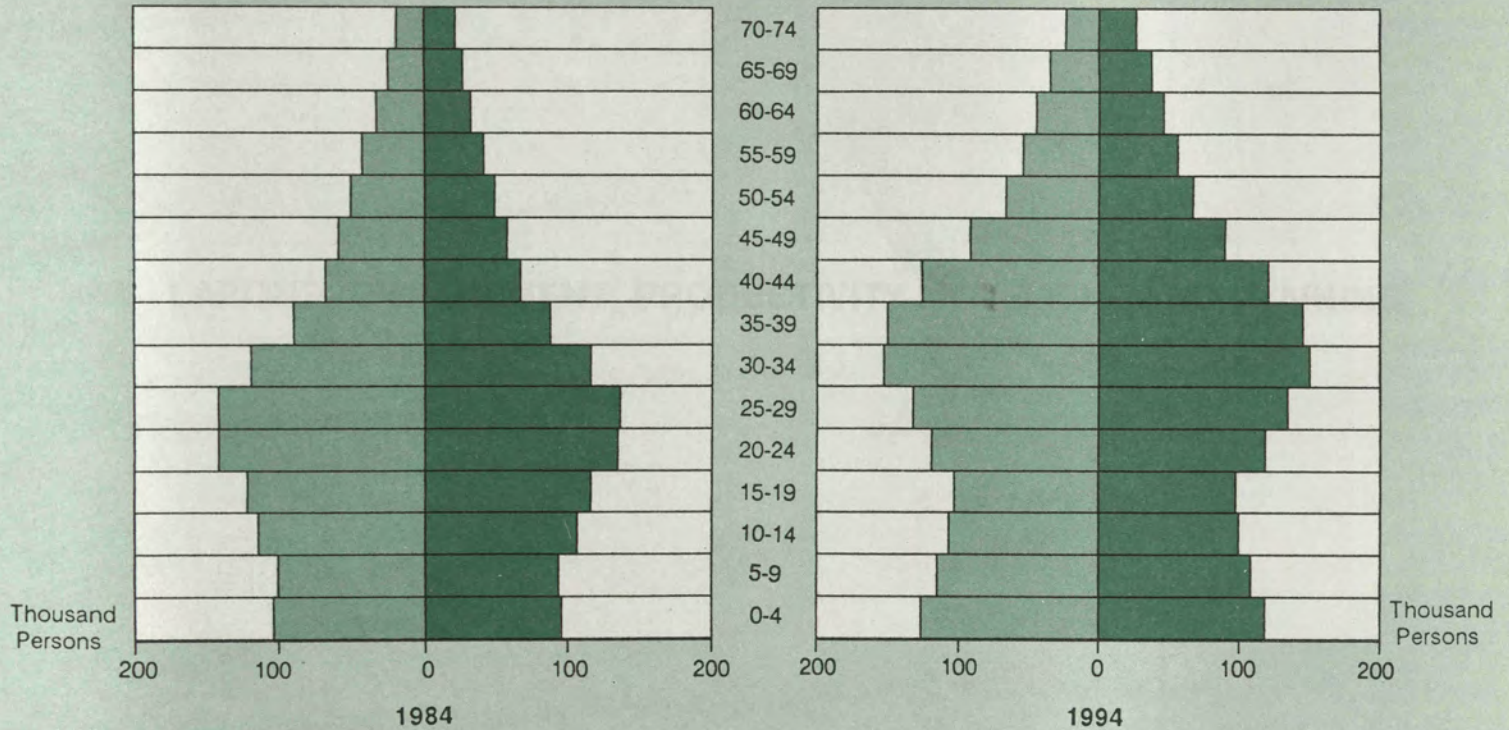
Source : Supreme Court
Syariah Court

CHART 1

AGE DISTRIBUTION OF SINGAPORE RESIDENTS, 1984 AND 1994

Male Female

Age Group
in Years



3 LABOUR, EMPLOYMENT, PRODUCTIVITY MOVEMENT AND TRAINING

3 LABOUR, EMPLOYMENT AND PRODUCTIVITY MOVEMENT

Labour Force

Labour force data are 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 Labour Force 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. The survey covers 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 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 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 (CPF) 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. From 1 July 1994, the CPF contribution rates are as follows :

Contribution Rates (as a percentage of wages)

<u>Age</u>	<u>Employer</u>	<u>Employee</u>	<u>Total</u>
55 years and below	20.0%	20.0%	40%
Above 55 years to 60 years	7.5%	12.5%	20%
Above 60 years to 65 years	7.5%	7.5%	15%
Above 65 years	5.0%	5.0%	10%

Each member has three accounts: the Ordinary, Medisave and Special Accounts. 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.

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.

The Productivity Movement

The National Productivity Board (NPB) was established as a statutory board in 1972. Governed by a tripartite board of directors comprising representatives from government, employers, trade unions and academia, it aims to

inculcate the concept of productivity in the workforce and to make Singapore a highly productive nation.

The work of NPB can be broadly classified into three areas : Promotion, Assistance and Measurement.

In order to help companies improve their productivity, NPB provides training and consultancy services to companies in the areas of quality control circles (QCCs), Total Quality Process (TQP), On-the-Job Training (OJT) and franchising. Financial incentives are also provided by the Skills Development Fund (SDF) when companies send their employees for training.

NPB also conducts surveys, analyses productivity data and produces publications on productivity-related topics including the Productivity and Quality Statement that reviews Singapore's annual productivity performance.

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.

Trade Disputes

Data on trade disputes only relate to cases referred to the Labour Relations Division of the Ministry of Labour.

A trade dispute refers to any dispute between/ among workers and employers regarding employment, non-

employment, the terms of employment or the conditions of work.

Industrial Stoppages

Data on industrial stoppages refer to cases reported to and handled by the Labour Relations Division of the Ministry of Labour and include both strikes and lockouts.

3.1 LABOUR FORCE, 1984-1994

Mid-year	Labour Force Aged 15 Years and Over							Participation Rate		Unemployment Rate
	Total			Employed		Unemployed				
	Persons	Males	Females	Males	Females	Males	Females	Males	Females	
	Thousand							Per Cent		
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
1994	1,693.1	1,012.0	681.0	987.1	662.2	24.9	18.9	79.6	50.9	2.6

¹ Census of Population.

Source : Ministry of Labour
(Other than Census year)

3.2 AGE-SEX SPECIFIC LABOUR FORCE PARTICIPATION RATES, 1984 AND 1991-1994

Per Cent

Age Group (Years)	1984			1991			1992			1993			1994		
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
Total	63.4	81.2	45.8	64.8	79.8	50.5	65.3	79.9	51.3	64.5	79.1	50.6	64.9	79.6	50.9
15 - 19	36.9	36.7	37.1	30.4	31.1	29.8	29.3	30.0	28.6	25.3	25.1	25.6	23.3	23.6	23.0
20 - 24	85.1	90.2	79.9	82.9	83.1	82.6	81.2	82.3	80.2	80.2	81.0	79.4	79.0	79.0	79.0
25 - 29	81.3	97.2	65.7	86.0	97.0	75.6	87.0	97.0	77.8	86.5	96.0	77.6	87.5	96.2	79.4
30 - 34	74.1	98.6	50.0	79.8	98.7	61.9	81.5	98.6	64.7	80.5	98.4	64.3	80.6	98.2	64.5
35 - 39	71.4	98.6	44.6	77.5	99.1	56.0	77.3	98.5	56.9	77.5	98.4	57.7	78.2	98.7	58.3
40 - 44	69.9	98.4	42.0	75.9	98.4	54.2	76.0	98.2	54.5	76.3	98.1	54.6	76.5	98.8	54.4
45 - 49	65.1	96.8	34.4	70.3	96.5	46.2	71.6	96.1	47.6	73.0	96.6	49.3	73.6	97.1	49.7
50 - 54	58.7	91.5	25.0	63.2	92.5	34.1	62.6	89.4	36.6	63.1	90.0	36.8	64.0	91.1	38.1
55 - 59	47.4	74.4	18.8	46.3	71.0	21.2	47.3	71.3	22.7	47.0	71.9	23.9	49.5	74.5	26.1
60 - 64	34.4	54.1	14.2	29.7	46.9	12.3	30.5	49.2	12.6	30.6	50.9	10.9	30.6	48.9	12.8
65 - 69	22.7	38.3	9.1	17.3	29.3	6.3	20.5	33.8	7.4	19.0	33.1	6.4	20.5	34.4	8.1
70 - 74	15.1	24.3	7.5	10.2	17.4	4.2	11.8	20.1	5.3	11.9	20.6	3.4	12.6	21.7	4.8
75 & Over	7.6	14.5	3.2	4.9	9.6	1.9	4.7	9.6	1.3	4.5	8.2	1.9	5.3	11.1	1.4

Source : Ministry of Labour

3.3 EMPLOYED PERSONS AGED 15 YEARS AND OVER BY INDUSTRY, 1984-1994

Thousand

Industry	1984	1985	1986	1987	1988	1989	1990 ¹	1991	1992	1993	1994
Total	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	1,649.3
Agriculture, Fishing & Quarrying	11.6	11.3	11.5	11.6	6.7	7.2	5.9	4.7	5.5	4.2	5.2
Manufacturing	348.1	314.2	306.6	338.7	379.1	403.7	447.4	429.6	434.1	429.5	422.5
Utilities	9.9	8.2	8.2	7.6	8.4	7.5	6.7	7.1	8.0	7.5	8.5
Construction	107.8	110.0	105.2	97.2	89.6	92.2	122.1	99.0	103.2	102.1	108.8
Commerce	285.8	290.0	280.7	296.7	304.9	318.1	337.5	345.3	356.0	363.6	376.9
Transport & Communications	132.2	125.1	120.6	128.5	129.2	137.7	146.6	152.9	158.4	166.8	174.7
Financial & Business Services	109.0	107.7	105.6	112.3	127.5	137.2	167.2	163.3	171.4	173.4	198.6
Other Services	261.7	265.6	274.0	272.6	284.3	289.1	303.5	322.0	339.2	344.1	353.6
Activities Not Adequately Defined	3.0	2.6	1.9	1.7	1.9	1.3	-	0.3	0.2	0.8	0.5

Notes : The Industries are classified according to the Singapore Standard Industrial Classification (SSIC) 1990.
Data for 1984 to 1989 have been revised according to SSIC 1990.

Source : Ministry of Labour
(Other than Census year)

1 Census of Population.

3.4 EMPLOYED PERSONS AGED 15 YEARS AND OVER BY OCCUPATION, 1984-1994

											Thousand
Occupation	1984	1985	1986	1987	1988	1989	1990 ¹	1991	1992	1993	1994
Total	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	1,649.3
Legislators, Senior Officials and Managers	98.1	94.3	89.6	93.8	104.9	117.2	132.1	137.4	157.6	167.0	178.8
Professionals	57.1	56.1	54.6	59.7	61.7	70.3	64.1	77.3	91.6	97.0	106.4
Technicians and Associate Professionals	121.5	122.0	123.7	132.3	153.0	161.8	176.5	185.7	216.5	224.4	250.0
Clerical Workers	188.2	178.0	174.2	178.9	186.5	193.5	201.9	225.5	225.2	233.4	243.3
Service Workers, Shop and Market Sales Workers	194.9	190.0	187.5	199.3	201.0	204.2	212.4	215.7	214.5	215.6	221.1
Agricultural and Fishery Workers	13.8	13.4	13.5	15.2	9.6	9.9	4.2	2.8	3.1	2.3	2.9
Production Craftsmen, Plant and Machine Operators, Cleaners and Labourers	545.1	522.5	510.1	527.9	554.1	579.4	684.4	616.4	602.3	589.9	583.1
Others	50.5	58.4	61.2	59.7	60.9	57.8	61.4	63.6	65.4	62.4	63.7

Notes : The occupations are classified according to the Singapore Standard Occupational Classification (SSOC) 1990.
Data for 1984 to 1989 have been revised according to the SSOC 1990.

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, 1994

Thousand

Industry	Occupational Status				
	Total	Employers	Own Account Workers	Employees	Unpaid Family Workers
Total	1,649.3	95.5	111.8	1,424.0	18.0
Agriculture, Fishing & Quarrying	5.2	0.6	0.7	3.7	0.2
Manufacturing	422.5	14.1	6.7	401.0	0.7
Utilities	8.5	-	-	8.5	-
Construction	108.8	12.9	7.7	87.7	0.5
Commerce	376.9	44.3	43.0	274.3	15.4
Transport & Communications	174.7	4.6	31.2	138.7	0.2
Financial & Business Services	198.6	10.9	8.9	178.5	0.4
Other Services	353.6	8.2	13.6	331.1	0.6
Activities Not Adequately Defined	0.5	-	-	0.4	-

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, 1994

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	1,649.3	178.8	106.4	250.0	243.3	221.1	2.9	583.1	63.7
Agriculture, Fishing & Quarrying	5.2	0.7	-	0.1	0.2	-	2.5	1.6	-
Manufacturing	422.5	37.3	24.1	54.2	47.4	3.9	-	255.6	-
Utilities	8.5	-	0.9	2.4	1.9	0.1	-	3.2	-
Construction	108.8	16.2	5.3	7.4	8.2	0.1	-	71.6	-
Commerce	376.9	79.7	6.1	30.5	55.0	162.5	0.1	42.9	-
Transport & Communications	174.7	12.7	5.0	25.1	38.6	11.2	-	82.1	-
Financial & Business Services	198.6	23.7	28.0	59.4	56.7	9.3	-	21.4	-
Other Services	353.6	8.4	36.8	70.9	35.3	33.9	0.2	104.3	63.7
Activities Not Adequately Defined	0.5	-	-	-	-	-	-	0.5	-

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

Source : Ministry of Labour

3.7 GOVERNMENT EMPLOYEES BY DIVISIONAL STATUS, 1984-1994

Divisional Status	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994 ^P
Total Division I Division II Division III Division IV	Number										
	69,298	69,630	70,001	69,494	68,336	65,753	63,392	62,062	59,751	59,689	59,054
	9,547	10,158	11,047	11,433	11,518	12,029	12,348	12,534	13,117	13,751	15,550
	23,101	22,915	22,942	22,611	22,766	21,782	21,095	20,646	20,058	19,876	18,074
	22,251	22,369	21,963	21,794	20,901	20,110	20,150	20,369	18,918	18,688	18,441
	14,399	14,188	14,049	13,656	13,151	11,832	9,799	8,513	7,658	7,374	6,989
	Per Cent										
	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	13.8	14.6	15.8	16.4	16.9	18.3	19.5	20.2	21.9	23.0	26.3
	33.3	32.9	32.8	32.5	33.3	33.1	33.3	33.3	33.6	33.3	30.6
	32.1	32.1	31.4	31.4	30.6	30.6	31.8	32.8	31.7	31.3	31.2
	20.8	20.4	20.0	19.7	19.2	18.0	15.4	13.7	12.8	12.4	11.9

Note : Figures exclude daily-rated employees.

Source : Public Service Commission

3.8 CHANGES IN PRODUCTIVITY BY INDUSTRY, 1984-1994

Per Cent

Industry	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994 ^p
Total	6.9	3.1	6.4	4.8	4.7	5.0	3.9	1.5	2.6	6.7	5.3
Total excluding Construction	6.7	2.4	7.2	4.7	4.5	5.2	4.0	1.6	2.1	8.0	5.7
Manufacturing	7.2	-1.5	13.6	3.7	2.0	3.8	4.6	3.5	3.0	12.2	11.4
Construction	9.0	5.7	-4.3	0.8	2.2	-	1.2	3.9	12.7	-5.9	4.1
Commerce	4.5	0.4	5.5	5.9	10.8	4.4	6.3	3.3	1.4	5.1	5.4
Transport & Communications	11.9	5.2	11.1	6.4	6.4	5.2	5.0	4.6	2.2	6.1	8.6
Financial & Business Services	7.7	12.0	0.7	7.8	1.6	2.4	2.5	0.5	0.8	7.3	1.2

Source : Department of Statistics
and Ministry of Labour

3.9 AVERAGE MONTHLY EARNINGS BY INDUSTRY, 1984-1994

Dollars

Industry	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Total	1,048	1,131	1,140	1,176	1,273	1,398	1,528	1,669	1,804	1,918	2,086
Manufacturing	892	964	976	1,009	1,116	1,243	1,395	1,552	1,686	1,818	1,995
Construction	908	939	929	926	1,005	1,128	1,275	1,426	1,624	1,713	1,865
Commerce	892	935	945	977	1,049	1,174	1,305	1,419	1,535	1,631	1,763
Transport, Storage & Communications	1,131	1,213	1,233	1,305	1,373	1,488	1,610	1,677	1,888	1,973	2,133
Financing, Insurance, Real Estate & Business Services	1,390	1,491	1,507	1,564	1,686	1,835	1,996	2,158	2,246	2,374	2,533
Community, Social & Personal Services	1,257	1,375	1,364	1,400	1,517	1,621	1,678	1,844	1,978	2,084	2,286

Note : Average monthly earnings are computed using data obtained from the CPF Board. It includes bonuses,
if any, but excludes employer's CPF contributions. From 1992, figures exclude all identifiable self-employed.

Source : Ministry of Labour

3.10 AVERAGE BASIC AND GROSS WAGES BY OCCUPATION, 1994

Dollars

Occupation	Basic Wage			Gross Wage		
	Persons	Males	Females	Persons	Males	Females
Managers	5,416	5,761	4,442	5,616	5,974	4,609
Professionals	3,145	3,296	2,868	3,348	3,561	2,966
Technicians and Associate Professionals	2,220	2,352	2,035	2,655	2,967	2,196
Clerical Workers	1,236	1,297	1,217	1,405	1,585	1,350
Service Workers and Shop and Market Sales Workers	1,097	1,164	1,011	1,592	1,675	1,496
Production Craftsmen and Related Workers	1,263	1,319	880	1,659	1,753	1,083
Plant and Machine Operators and Assemblers	962	1,169	733	1,339	1,669	993
Cleaners, Labourers and Related Workers	837	890	767	1,079	1,172	957

Note : Average basic and gross wages are compiled from the Occupational Wages Survey.

Source : Ministry of Labour

3.11 AVERAGE WEEKLY HOURS WORKED BY INDUSTRY, 1984-1994

Industry	Hours										
	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
	As at August		As at June		As at September						
TOTAL	45.6	44.6	45.1	45.5	45.6	46.6	46.5	46.7	46.6	46.9	47.0
Agriculture & Fishing	44.2	44.1	44.9	44.8	44.9	46.4	45.8	46.5	45.2	44.4	44.8
Quarrying	48.0	46.5	46.6	49.4	52.3	51.1	57.0	53.0	54.7	47.8	46.5
Manufacturing	47.8	46.5	47.7	48.4	47.4	48.6	48.5	48.7	48.7	49.2	49.3
Utilities	47.7	47.3	47.3	46.6	na	na	na	na	na	na	na
Construction	52.2	51.0	50.0	49.5	48.2	50.0	49.7	50.0	50.5	50.6	51.0
Commerce	43.5	43.3	42.9	42.8	41.7	42.0	42.3	42.7	42.6	42.8	42.9
Transport & Communications	46.0	45.1	45.8	46.0	45.6	47.8	47.5	47.6	46.8	46.8	46.7
Financial & Business Services	43.3	43.3	43.7	43.6	44.2	44.6	44.7	44.0	44.1	44.2	43.9
Other Services	39.4	39.2	39.8	40.8	41.7	41.4	41.4	41.5	42.0	41.7	41.7

Note : The data for 1988-1994 refer to private sector firms with at least 25 workers, while those for 1984-1987 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, 1984-1994

Number

Year	Number on 'Live' Register ¹	New Registrants			Vacancies Notified			Vacancies Filled		
		Persons	Males	Females	Persons ²	Males	Females	Persons	Males	Females
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
1994	1,004	2,378	1,549	829	15,521	1,000	1,223	745	471	274

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 that can be filled by either sex.

Source : Ministry of Labour

3.13 CENTRAL PROVIDENT FUND CONTRIBUTORS BY AGE GROUP, 1984-1994 (End of Period)

Thousand

Age Group (Years)	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Total	943.0	889.6	912.0	935.3	963.8	988.6	1,021.7	1,052.4	1,074.0	1,107.1	1,138.9
Up to 20	69.1	47.6	44.4	43.5	40.2	41.4	42.8	42.2	39.6	40.0	37.3
20 - 25	202.2	181.0	177.3	168.7	159.3	148.5	143.0	137.8	135.7	136.5	137.1
25 - 30	203.0	198.1	203.8	206.1	208.8	207.8	206.9	207.0	205.4	204.0	201.6
30 - 35	149.5	149.8	159.8	168.9	178.3	184.2	190.4	194.3	196.8	199.7	203.5
35 - 40	104.9	113.2	119.6	126.6	135.3	142.9	151.6	161.1	168.3	175.5	181.8
40 - 45	63.5	59.4	65.2	77.6	89.3	103.0	117.9	125.6	130.7	137.5	144.4
45 - 50	54.0	54.3	56.5	57.5	59.8	60.5	60.6	68.0	79.0	89.0	101.3
50 - 55	38.4	38.8	39.2	40.3	44.0	48.2	51.7	55.2	55.3	56.9	57.6
55 - 60	24.2	23.4	22.9	23.5	25.0	27.1	30.1	31.9	32.8	35.7	39.4
Over 60	21.6	20.5	19.7	20.1	21.5	23.8	26.2	28.6	29.9	31.8	34.4
Not specified	12.6	3.5	3.6	2.5	2.3	1.2	0.7	0.5	0.5	0.5	0.5

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

Source : Central Provident Fund Board

3.14 CENTRAL PROVIDENT FUND CONTRIBUTORS BY WAGE LEVEL, 1984-1994 (End of Period)

Thousand

Monthly Wage Level (\$)	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Total	943.0	889.6	912.0	935.3	963.8	988.6	1,021.7	1,052.4	1,074.0	1,107.1	1,138.9
Below 200	35.5	24.6	23.8	23.0	19.4	20.1	19.4	18.4	16.6	16.5	15.7
200 - 299	73.1	57.4	55.1	51.4	42.9	36.0	32.3	29.0	22.9	21.3	19.4
300 - 399	64.8	56.6	60.6	55.4	40.4	38.3	33.5	29.8	24.7	23.6	21.1
400 - 499	91.6	81.3	82.0	76.4	60.2	41.9	36.8	29.4	25.8	23.6	21.0
500 - 599	105.6	101.1	101.7	100.4	87.6	70.5	54.1	41.9	37.8	34.4	30.0
600 - 799	153.5	150.7	157.2	156.7	172.0	170.7	149.6	126.3	106.4	89.4	71.6
800 - 999	102.0	101.2	105.3	111.0	126.7	135.3	139.9	139.7	133.5	121.3	105.4
1,000 - 1,499	147.3	144.9	148.8	158.1	186.9	206.1	229.7	251.2	263.2	270.5	268.9
1,500 - 1,999	66.3	65.2	67.5	74.4	89.9	105.1	125.2	144.6	165.3	184.0	199.0
2,000 - 2,499	35.7	36.2	36.8	41.2	47.9	54.6	68.1	79.7	90.5	104.6	124.1
2,500 - 2,999	19.6	20.7	21.5	24.4	26.8	33.5	40.0	45.9	53.1	60.8	73.2
3,000 & Over	43.4	45.9	47.9	59.8	61.5	73.9	91.1	113.7	130.2	152.0	184.3
Not specified	4.6	3.8	3.8	3.1	1.6	2.6	2.1	2.8	4.0	5.1	5.2

Note : See note to Table 3.13.

Source : Central Provident Fund Board

3.15 CENTRAL PROVIDENT FUND CONTRIBUTORS BY INDUSTRY, 1984-1994
(End of Period)

Thousand

Industry	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
All Industries	943.0	889.6	912.0	935.3	963.8	988.6	1,021.7	1,052.4	1,074.0	1,107.1	1,138.9
Agriculture & Fishing	2.4	2.4	2.6	2.4	2.3	2.2	2.0	1.9	2.4	2.7	2.6
Quarrying	0.9	0.7	0.7	0.6	0.6	0.4	0.4	0.4	0.4	0.4	0.4
Manufacturing	283.0	251.4	271.1	287.5	297.6	301.5	298.4	297.9	298.0	294.4	296.9
Utilities	7.7	7.8	7.7	7.3	7.0	6.9	6.8	6.8	6.7	6.6	6.6
Construction	58.6	54.2	51.6	44.2	41.3	38.7	40.1	42.0	48.5	53.9	58.6
Commerce	208.3	194.1	195.4	204.1	215.0	223.4	241.8	254.6	262.3	274.5	280.0
Transport & Communications	93.3	90.3	90.0	91.9	98.0	103.1	107.4	110.0	106.6	109.3	111.3
Financial & Business Services	111.6	108.9	109.0	111.8	117.4	128.1	138.5	145.9	162.8	174.1	186.8
Other Services	176.7	179.8	183.9	185.5	184.5	184.2	186.4	192.6	186.2	191.1	195.5
Activities Not Adequately Defined	0.5	-	-	-	0.1	0.1	0.1	0.2	0.1	0.1	0.2

Note : See note to Table 3.13.

Source : Central Provident Fund Board

3.16 CENTRAL PROVIDENT FUND MEMBERS BY AGE GROUP, 1984-1994 (End of Period)

Thousands

Age Group (Years)	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Total	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	2,521.8
Up to 20	142.3	118.9	98.3	95.4	95.8	104.5	112.6	112.6	108.2	108.5	105.7
20 - 25	369.9	355.0	337.6	316.4	290.2	266.5	252.5	239.9	234.0	237.8	235.7
25 - 30	374.7	383.3	389.3	393.3	395.3	393.0	385.9	375.8	361.0	345.9	327.0
30 - 35	310.4	327.0	345.7	359.2	370.0	380.1	391.0	398.2	404.3	410.3	413.3
35 - 40	212.3	242.2	261.2	278.4	297.2	315.1	332.2	350.7	365.4	377.3	389.2
40 - 45	132.3	130.2	144.5	169.1	190.6	217.9	248.2	266.4	284.3	304.7	322.6
45 - 50	111.1	118.4	128.0	132.0	135.8	136.1	133.7	147.9	174.3	198.8	226.0
50 - 55	78.0	84.0	88.8	92.2	99.8	109.3	116.2	125.2	130.9	141.2	142.0
Over 55	94.7	105.5	112.6	122.0	157.2	173.6	192.1	208.4	229.9	301.5	330.0
Not specified	26.8	27.2	27.8	30.5	31.5	30.8	30.8	30.5	30.5	30.4	30.3

Note : 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, 1987-1994

Courses	Number							
	1987	1988	1989	1990	1991	1992	1993	1994
Total	12,814	13,175	20,608	21,823	18,991	26,013	30,060	26,949
Executive Development Programmes	2,017	2,834	4,294	4,270	4,502	3,833	5,338	3,406
Productivity Improvement Programmes	3,899	4,239	6,954	7,226	4,525	4,728	5,085	1,984
Quality Control Circles (QCC) ¹	3,610	3,705	5,528	3,988	4,286	4,230	6,640	2,924
Total Quality Programmes (TQP)	-	-	-	-	1,198 ²	3,453	2,934	5,124
Productivity-Related Management Seminars/Conferences/Talks	3,288	2,397	3,832	4,299	1,725	2,469	2,033	11,133
FAST FORWARD Courses	-	-	-	2,040 ³	2,755	7,300	8,030	2,378

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, 1984-1994 (End of Period)

	Number										
	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Registered Quality Control Circles	2,534	3,519	4,670	5,750	7,493	9,000	10,363	11,720	13,627	14,264	16,092
Organisations (Companies, Government Bodies & Statutory Boards)	128	143	156	168	186	199	212	234	278	304	366
Membership	18,723	25,670	33,971	41,164	53,935	65,032	76,228	81,169	100,089	104,996	117,363

Source : National Productivity Board

3.19 TRADE UNIONS AND MEMBERSHIP, 1984-1994

End of Year					Number
	Employee Class		Employer Class		
	Unions	Members	Unions	Members	
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	
1994	82	232,927	3	1,088	

Source : Ministry of Labour

3.20 LABOUR RELATIONS, 1984-1994

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	Number 1994
Industrial Stoppages	-	-	1	-	-	-	-	-	-	-	-
Trade Disputes	338	340	317	275	366	353	303	323	353	370	333
Claims Registered ¹	338	340	317	275	366	353	303	323	353	370	333
Wages	182	177	177	180	257	242	200	214	233	256	207
Others	156	163	140	95	109	111	103	109	120	114	126
Cases Referred to IAC ²	73	72	111	56	50	58	41	34	27	13	15
IAC Awards	48	35	74	39	22	38	46	31	18	9	10

1 Refer to main cause of individual disputes referred to the Conciliation Section.

Source : Ministry of Labour

"Wages" include Wage Increase and Conditions of Service.

"Others" include Retrenchment Benefits, Bonus or Gratuity and other Industrial Matters (eg Sales Commission, Shift Allowance, etc).

2 IAC = Industrial Arbitration Court.

CHART 2

AGE-SEX SPECIFIC LABOUR FORCE PARTICIPATION RATES, 1984 AND 1994

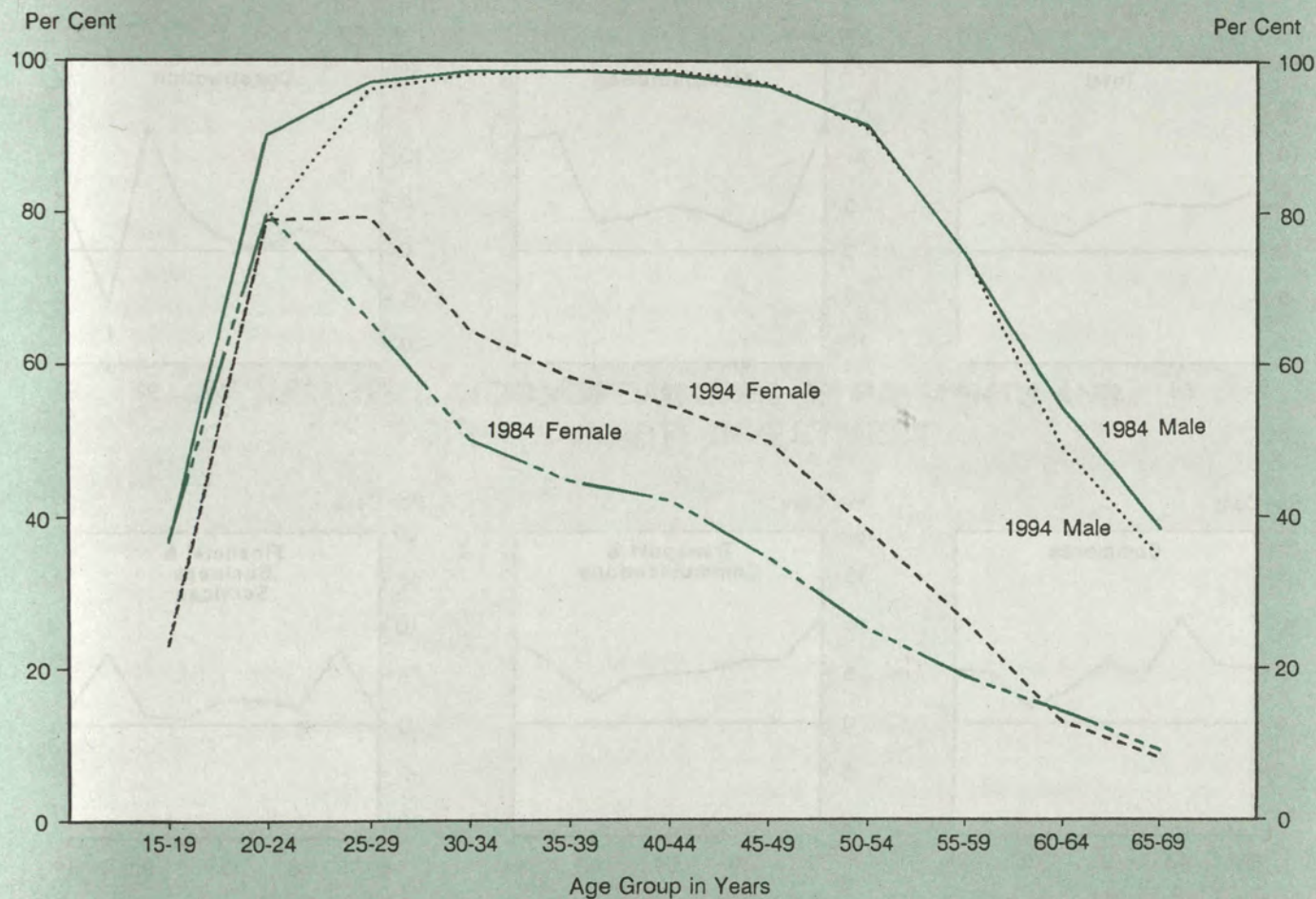
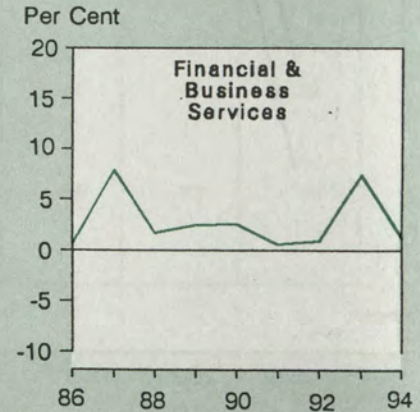
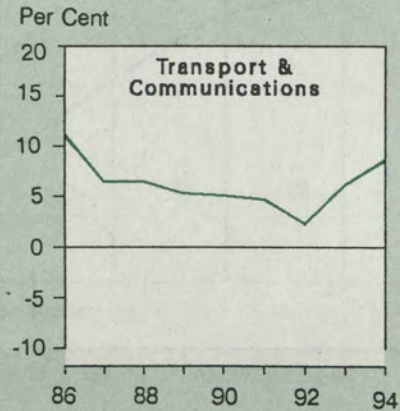
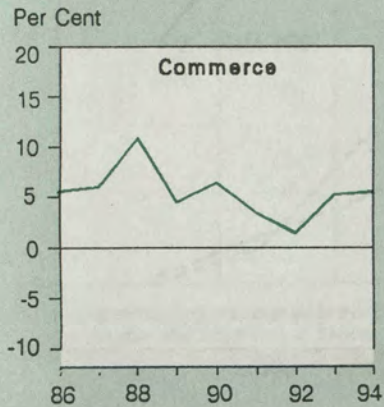
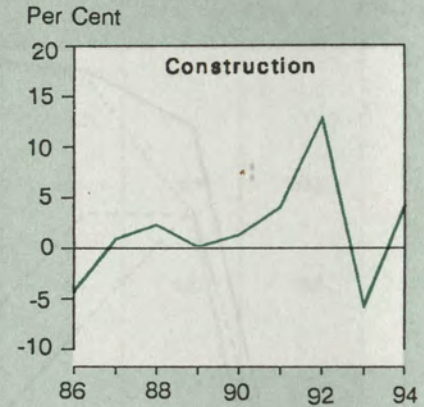
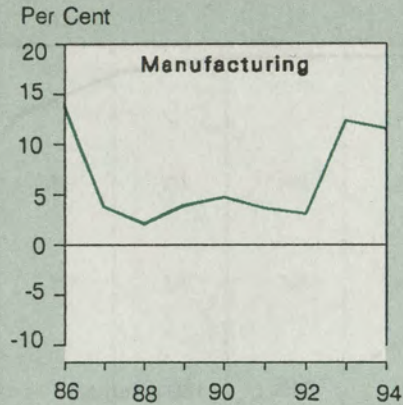
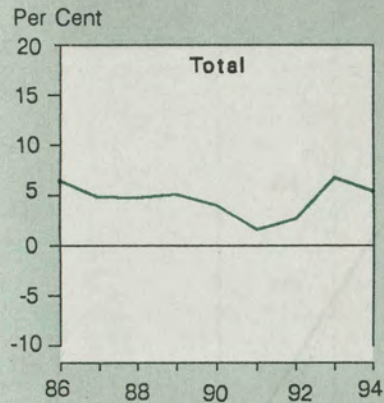


CHART 3

CHANGES IN PRODUCTIVITY BY INDUSTRY, 1986-1994



4 NATIONAL INCOME, BALANCE OF PAYMENTS AND FOREIGN EQUITY INVESTMENT

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 surveys of

companies 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 Investment

Foreign Investment in Singapore : 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.

Singapore's Investment Abroad : Data on overseas investment are gathered from the Survey of Singapore's Investment Abroad. The survey covers all companies except banks, finance companies and insurance companies.

Definition

Equity Capital : For incorporated companies, it refers to the amount of paid-up capital held by investors and the proportionate amount of reserves accrued to them. For branches of banks it is approximately equal to their "net fixed

assets". For branches of other companies, it refers to the "net amount owed to their head offices".

Direct Investment : An investment is considered a direct investment when investors have effective influence over the policies and business operations of the companies they invested in. Ownership of 20 per cent or more of the total paid-up shares is regarded as possession of effective influence.

Portfolio Investment : An investment is considered a portfolio investment when investors do not have effective

influence over the policies and business operations of the companies they invested in.

Other References

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

4.1 INDIGENOUS GROSS NATIONAL PRODUCT, 1984-1994
(At Current Market Prices)

Million Dollars

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994 ^P
Total Gross Domestic Product	40,048	38,924	38,962	43,145	51,082	58,943	67,705	75,280	80,637	92,348	105,313
Share of Resident Foreigners & Resident Foreign Companies in GDP	9,578	9,837	10,350	12,302	15,977	18,221	21,487	25,423	23,442	27,152	31,624
Indigenous GDP	30,470	29,087	28,612	30,843	35,105	40,722	46,218	49,858	57,195	65,196	73,690
Factor Receipts of Singaporeans from Rest of the World	2,762	3,297	3,985	4,740	6,057	7,186	9,447	10,562	10,723	10,659	10,759
Indigenous GNP	33,232	32,384	32,597	35,582	41,163	47,908	55,665	60,420	67,917	75,855	84,448
Per Capita Indigenous GNP (\$)	13,599	13,044	12,943	13,932	15,841	18,095	20,578	21,870	24,100	26,395	28,820

4.2 OUTPUT, SAVING AND INVESTMENT, 1984-1994 (At Current Market Prices)

Million Dollars

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994 ^P
Gross National Product											
Gross National Product at Market Prices	40,815	40,330	39,911	42,716	50,946	59,388	68,133	75,288	81,852	93,081	104,880
Gross Domestic Product at Factor Cost	36,552	35,619	36,368	40,276	47,722	54,539	62,644	69,779	74,361	84,954	96,242
Indirect Taxes	3,496	3,304	2,594	2,869	3,361	4,404	5,062	5,502	6,276	7,394	9,071
Net Factor Income from Abroad	767	1,407	949	-429	-136	445	427	7	1,216	733	-434
Generation of Gross National Saving											
Gross National Saving	18,596	16,543	15,410	15,767	20,863	25,381	29,930	34,498	39,370	43,799	52,178
Gross Domestic Saving	18,304	15,606	14,860	16,688	21,601	25,650	30,306	35,354	39,033	44,096	53,800
Gross Domestic Product at Market Prices Less : Private & Government Consumption Expenditure	40,048 21,903	38,924 23,101	38,962 23,582	43,145 25,855	51,082 29,248	58,943 32,609	67,705 36,504	75,280 39,908	80,637 42,593	92,348 47,539	105,313 51,284
Statistical Discrepancy	159	-217	-521	-602	-233	-684	-895	-19	989	-714	-229
Net Factor Income from Abroad	767	1,407	949	-429	-136	445	427	7	1,216	733	-434
Net Transfers from Abroad	-475	-469	-398	-492	-602	-715	-803	-863	-878	-1,029	-1,188
Finance of Gross Capital Formation											
Gross Capital Formation	19,417	16,551	14,717	16,099	17,074	19,642	24,165	26,400	29,345	35,441	33,925
Gross National Saving	18,596	16,543	15,410	15,767	20,863	25,381	29,930	34,498	39,370	43,799	52,178
Net Borrowing from/Lending (-) to Abroad	821	8	-694	332	-3,789	-5,739	-5,766	-8,097	-10,026	-8,358	-18,253

4.3 GROSS DOMESTIC PRODUCT BY INDUSTRY, 1984-1994

Million Dollars

Industry	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994 ^p
Total	At Current Market Prices										
	40,048	38,924	38,962	43,145	51,082	58,943	67,705	75,280	80,637	92,348	105,313
Agriculture & Fishing	340	292	245	222	204	190	177	165	171	167	180
Quarrying	132	111	76	57	48	58	82	76	39	38	35
Manufacturing	9,863	9,184	10,305	12,209	15,461	17,346	19,393	21,191	21,232	24,616	28,383
Utilities	773	796	1,075	962	1,156	1,132	1,250	1,280	1,353	1,571	1,726
Construction	4,944	4,168	3,289	3,042	2,997	3,227	3,724	4,815	6,212	6,771	7,881
Commerce	6,886	6,636	6,516	7,369	8,877	10,142	12,428	13,784	14,690	16,054	17,919
Transport & Communications	5,222	5,235	5,333	5,941	6,899	7,987	8,765	10,035	10,223	11,471	12,674
Financial & Business Services	9,963	10,652	9,798	10,945	12,315	14,731	17,948	20,123	22,379	26,779	31,103
Other Services	4,239	4,577	4,532	4,831	5,469	6,379	7,359	8,197	8,898	9,783	10,943
Less : Imputed Bank Service Charge	2,827	3,197	2,600	2,887	2,940	2,929	4,029	5,024	5,296	5,755	6,292
Add : Import Duties	514	468	394	454	596	679	609	638	736	854	762
Total	At 1985 Market Prices										
	39,573	38,924	39,681	43,397	48,283	52,846	57,471	61,293	64,950	71,542	78,765
Agriculture & Fishing	327	292	261	234	205	192	177	161	162	159	167
Quarrying	120	111	94	93	75	76	69	80	55	43	39
Manufacturing	9,908	9,184	9,956	11,673	13,773	15,122	16,558	17,458	17,887	19,697	22,235
Utilities	762	796	840	927	1,012	1,086	1,203	1,281	1,354	1,451	1,582
Construction	4,927	4,168	3,234	2,917	2,804	2,844	3,043	3,721	4,485	4,842	5,605
Commerce	6,739	6,636	6,642	7,347	8,561	9,296	10,314	11,242	11,781	12,728	13,886
Transport & Communications	5,132	5,235	5,677	6,166	6,808	7,481	8,161	8,786	9,340	10,332	11,444
Financial & Business Services	9,441	10,652	10,463	11,541	12,182	13,378	14,954	16,084	17,015	19,215	20,936
Other Services	4,372	4,577	4,823	5,103	5,321	5,658	6,089	6,453	6,856	7,313	7,742
Less : Imputed Bank Service Charge	2,667	3,197	2,703	3,002	2,969	2,870	3,623	4,506	4,601	4,911	5,486
Add : Import Duties	512	468	394	398	511	584	527	532	616	673	616

4.4 GROSS DOMESTIC PRODUCT DEFLATORS BY INDUSTRY, 1984-1994
(1985 = 100)

Industry	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994 ^P
Total	101.2	100.0	98.2	99.4	105.8	111.5	117.8	122.8	124.2	129.1	133.7
Agriculture & Fishing	104.0	100.0	93.8	94.7	99.1	99.1	99.6	103.0	105.2	105.2	107.5
Quarrying	110.0	100.0	80.2	61.3	64.3	76.7	118.4	94.7	70.4	90.1	88.7
Manufacturing	99.6	100.0	103.5	104.6	112.3	114.7	117.1	121.4	118.7	125.0	127.7
Utilities	101.4	100.0	128.0	103.9	114.2	104.2	103.9	99.9	100.0	108.3	109.0
Construction	100.3	100.0	101.7	104.3	106.9	113.5	122.4	129.4	138.5	139.8	140.6
Commerce	102.2	100.0	98.1	100.3	103.7	109.1	120.5	122.6	124.7	126.1	129.0
Transport & Communications	101.8	100.0	93.9	96.4	101.3	106.8	107.4	114.2	109.5	111.0	110.7
Financial & Business Services	105.5	100.0	93.6	94.8	101.1	110.1	120.0	125.1	131.5	139.4	148.6
Other Services	96.9	100.0	94.0	94.7	102.8	112.7	120.9	127.0	129.8	133.8	141.4

Note : Refer to gross domestic product at market prices.

4.5 EXPENDITURE ON GROSS DOMESTIC PRODUCT, 1984-1994

Million Dollars

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994 ^P
Total	At Current Market Prices										
	40,048	38,924	38,962	43,145	51,082	58,943	67,705	75,280	80,637	92,348	105,313
	17,570	17,553	18,312	20,541	23,911	26,710	29,810	32,562	35,081	39,070	42,342
	4,333	5,549	5,270	5,315	5,337	5,899	6,694	7,346	7,512	8,468	8,942
	19,122	16,425	14,132	14,405	15,911	19,035	21,443	25,142	28,797	32,925	36,267
	295	126	585	1,693	1,163	607	2,721	1,259	548	2,516	-2,342
	-1,113	-946	143	589	4,527	6,008	6,141	8,954	9,688	8,655	19,875
	-159	217	521	602	233	684	895	19	-989	714	229
	At 1985 Market Prices										
	39,573	38,924	39,681	43,397	48,283	52,846	57,471	61,293	64,950	71,542	78,765
Private Consumption Expenditure	17,712	17,553	18,333	20,106	22,812	24,750	26,606	28,046	29,442	31,832	33,209
Government Consumption Expenditure	4,457	5,549	5,607	5,654	5,339	5,621	6,282	6,805	6,962	7,795	7,859
Gross Fixed Capital Formation	18,677	16,425	14,381	14,296	14,978	17,299	19,079	21,851	24,477	27,492	29,591
Increase in Stocks	273	126	637	1,640	632	275	1,918	542	199	989	-1,205
Net Exports of Goods & Services	-1,431	-946	262	1,183	4,426	5,025	3,226	4,015	4,567	4,075	12,276
Statistical Discrepancy	-115	217	460	518	96	-124	361	34	-697	-642	-2,964

4.6 DEFLATORS OF EXPENDITURE ON GROSS DOMESTIC PRODUCT, 1984-1994
(1985 = 100)

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994 ^p
Total	101.2	100.0	98.2	99.4	105.8	111.5	117.8	122.8	124.2	129.1	133.7
Private Consumption Expenditure	99.2	100.0	99.9	102.2	104.8	107.9	112.0	116.1	119.2	122.7	127.5
Government Consumption Expenditure	97.2	100.0	94.0	94.0	100.0	104.9	106.6	108.0	107.9	108.6	113.8
Gross Fixed Capital Formation	102.4	100.0	98.3	100.8	106.2	110.0	112.4	115.1	117.6	119.8	122.6
Exports of Goods & Services	101.5	100.0	86.6	93.3	94.4	95.8	96.6	94.0	91.9	90.7	90.3
Imports of Goods & Services	101.1	100.0	86.7	93.9	94.1	94.7	94.3	90.3	88.2	87.9	86.0

4.7 PRIVATE CONSUMPTION EXPENDITURE, 1984-1994

Million Dollars

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994 ^P
At Current Market Prices											
Total	17,570	17,553	18,312	20,541	23,911	26,710	29,810	32,562	35,081	39,070	42,342
Food & Beverages	5,186	5,122	5,047	5,220	5,775	6,030	6,197	6,862	7,216	7,562	7,836
Clothing & Footwear	1,665	1,569	1,652	1,858	2,068	2,207	2,607	2,616	2,719	2,869	3,000
Rent & Utilities	1,977	2,185	2,598	3,100	3,521	3,862	4,393	4,913	5,359	5,995	6,948
Furniture & Household Equipment	1,943	2,015	2,037	2,074	2,374	2,560	2,911	3,108	3,402	3,631	3,925
Medical Services	643	702	898	963	1,139	1,245	1,531	1,683	1,920	2,088	2,239
Transport & Communications	2,817	2,679	2,594	2,973	3,722	4,415	4,890	5,132	5,728	6,724	7,187
Recreation & Education	2,543	2,454	2,752	3,246	4,069	4,695	5,756	6,117	6,496	6,841	7,145
Other Goods & Services	3,910	3,562	3,670	4,497	5,254	6,276	7,384	7,448	8,347	9,702	10,550
Add : Residents' Expenditure Abroad	1,050	1,104	1,146	1,362	1,521	2,107	2,643	2,713	3,164	3,901	4,528
Less : Non-residents' Expenditure Locally	4,164	3,839	4,082	4,751	5,533	6,687	8,502	8,031	9,270	10,242	11,015
At 1985 Market Prices											
Total	17,712	17,553	18,333	20,106	22,812	24,750	26,606	28,046	29,442	31,832	33,209
Food & Beverages	5,111	5,122	5,197	5,347	5,758	5,860	5,887	6,280	6,500	6,778	6,819
Clothing & Footwear	1,647	1,569	1,664	1,830	1,964	2,065	2,420	2,401	2,450	2,557	2,612
Rent & Utilities	1,985	2,185	2,533	2,923	3,195	3,305	3,478	3,668	3,863	4,082	4,327
Furniture & Household Equipment	1,953	2,015	2,012	2,039	2,279	2,418	2,650	2,751	2,962	3,122	3,285
Medical Services	655	702	902	968	1,124	1,185	1,366	1,403	1,521	1,600	1,641
Transport & Communications	2,967	2,679	2,697	2,939	3,526	4,030	4,318	4,346	4,766	5,383	5,582
Recreation & Education	2,535	2,454	2,709	3,145	3,904	4,428	5,321	5,570	5,651	5,925	6,046
Other Goods & Services	3,884	3,562	3,646	4,372	5,060	5,798	6,455	6,245	6,882	7,808	8,325
Add : Residents' Expenditure Abroad	1,050	1,104	1,163	1,369	1,495	2,013	2,451	2,452	2,804	3,340	3,725
Less : Non-residents' Expenditure Locally	4,076	3,839	4,190	4,826	5,493	6,352	7,739	7,070	7,956	8,763	9,152

4.8 GROSS FIXED CAPITAL FORMATION, 1984-1994

Million Dollars

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994 ^P	
	At Current Market Prices											
	Total	19,122	16,425	14,132	14,405	15,911	19,035	21,443	25,142	28,797	32,925	36,267
	Construction & Works	11,955	10,007	7,909	6,986	6,666	7,436	8,365	10,959	14,067	15,689	18,987
	Residential Buildings	6,591	5,265	3,570	3,021	3,200	3,271	3,528	4,343	5,720	7,430	9,166
	Non-residential Buildings	4,201	3,285	2,134	1,773	2,054	2,820	3,638	5,062	6,601	6,457	7,676
	Other Construction & Works	1,163	1,457	2,205	2,193	1,412	1,345	1,199	1,554	1,746	1,802	2,145
	Transport Equipment	2,376	1,908	1,674	1,991	2,097	3,131	3,547	4,371	4,904	5,772	4,842
	Machinery & Equipment	4,792	4,509	4,549	5,428	7,148	8,468	9,531	9,812	9,826	11,464	12,439
	At 1985 Market Prices											
	Total	18,677	16,425	14,381	14,296	14,978	17,299	19,079	21,851	24,477	27,492	29,591
	Construction & Works	11,781	10,007	8,233	7,277	6,662	6,825	7,174	8,893	10,969	11,779	13,605
	Residential Buildings	6,550	5,265	3,723	3,135	3,186	2,990	3,011	3,493	4,365	5,364	6,085
	Non-residential Buildings	4,099	3,285	2,219	1,850	2,055	2,586	3,118	4,118	5,210	5,006	5,855
	Other Construction & Works	1,133	1,457	2,291	2,292	1,420	1,249	1,045	1,283	1,394	1,410	1,665
	Transport Equipment	2,207	1,908	1,709	1,925	1,920	2,866	3,240	3,870	4,256	4,893	4,078
	Machinery & Equipment	4,690	4,509	4,440	5,094	6,397	7,608	8,664	9,089	9,253	10,820	11,908

4.9 BALANCE OF PAYMENTS, 1984-1994

Million Dollars

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994 ^P
A Current Account Balance	-821	-8	694	-332	3,789	5,739	5,766	8,097	10,026	8,358	18,253
Goods & Services (Net)	-346	461	1,092	160	4,391	6,454	6,568	8,961	10,904	9,387	19,442
Merchandise Trade Balance	-8,684	-6,224	-4,497	-5,152	-2,719	-3,669	-6,551	-4,550	-5,448	-8,071	-358
Exports fob	48,341	47,376	46,458	57,839	78,458	85,251	94,611	100,740	105,105	121,267	146,332
Imports fob	57,025	53,600	50,955	62,991	81,177	88,920	101,162	105,290	110,554	129,338	146,690
Services Balance	8,338	6,685	5,589	5,312	7,111	10,122	13,119	13,511	16,352	17,458	19,800
Exports of Services	19,591	18,034	18,375	21,792	26,488	32,018	39,665	41,982	43,366	47,106	52,392
Shipment	1,513	1,501	1,522	1,878	2,459	2,696	2,962	3,111	3,161	3,648	4,494
Travel	3,965	3,653	3,848	4,506	5,276	6,449	8,325	7,872	9,046	10,122	10,896
Investment Income	3,418	3,991	4,832	6,108	7,627	9,083	11,629	12,839	12,907	12,971	12,548
Official Transaction	232	218	211	207	211	190	184	171	169	173	172
Other Transportation & Services nec	10,462	8,672	7,963	9,093	10,915	13,600	16,564	17,989	18,084	20,193	24,283
Imports of Services	11,253	11,350	12,786	16,480	19,377	21,896	26,545	28,471	27,014	29,647	32,592
Shipment	3,202	3,318	3,443	3,984	5,191	5,824	6,784	6,972	5,408	6,241	7,094
Travel	1,282	1,349	1,404	1,674	1,872	2,601	3,268	3,356	3,918	4,864	5,651
Investment Income	2,670	2,602	3,716	5,917	6,846	7,494	9,706	11,450	10,578	10,993	11,548
Official Transaction	81	92	90	94	130	102	120	123	166	171	150
Other Transportation & Services nec	4,017	3,988	4,133	4,811	5,339	5,874	6,668	6,570	6,945	7,378	8,149
Unrequited Transfers (Net)	-475	-469	-398	-492	-602	-715	-803	-863	-878	-1,029	-1,188
Private	-457	-451	-374	-358	-420	-470	-497	-589	-660	-782	-913
Official	-19	-18	-24	-134	-182	-245	-306	-274	-218	-247	-276
B Capital Account Balance	3,370	1,537	-968	990	1,988	889	8,495	1,287	-2,160	8,904	2,730
Non monetary Sector (Net)	1,770	2,555	2,821	2,800	3,983	3,508	5,449	2,958	-988	4,512	965
Private	1,795	2,594	2,997	2,843	4,024	3,591	5,517	2,984	-972	4,528	971
Official	-25	-40	-176	-43	-41	-83	-68	-26	-16	-16	-7
Monetary Sector (Net)	1,600	-1,018	-3,789	-1,810	-1,995	-2,619	3,045	1,671	-1,173	4,391	1,765
Commercial Banks : Foreign Assets ¹	-4,752	-3,058	-6,017	-3,286	-5,071	-14,198	4,909	1,771	-9,555	1,242	-6,514
Foreign Liabilities	6,352	2,040	2,229	1,476	3,076	11,580	-1,864	-3,442	8,382	3,149	8,279
C Allocation of Special Drawing Rights	-	-	-	-	-	-	-	-	-	-	-
D Balancing Item	702	1,413	1,483	1,671	-2,433	-1,294	-4,368	-2,122	2,093	-5,108	-13,681
E Overall Balance (A+B+C+D)	3,251	2,942	1,209	2,329	3,344	5,334	9,893	7,263	9,959	12,154	7,302
F Official Reserves (Net)¹	-3,251	-2,942	-1,209	-2,329	-3,344	-5,334	-9,893	-7,263	-9,959	-12,154	-7,302
Special Drawing Rights	4	-18	-31	-29	-8	-14	-28	-4	76	-12	-10
Reserve Position in the Fund	-1	-26	-25	-12	12	13	3	13	-147	-15	-20
Foreign Exchange Assets	-3,253	-2,898	-1,152	-2,288	-3,348	-5,333	-9,868	-7,271	-9,888	-12,127	-7,272

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

4.10 FOREIGN EQUITY INVESTMENT IN SINGAPORE BY INDUSTRY, 1982-1992
(End of Period)

Million Dollars

Industry	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Foreign Equity Investment (I + II)	20,355	22,120	24,801	25,503	28,584	34,540	41,277	47,030	57,935	62,911	65,351
(I) Direct Investment	17,521	19,267	21,645	22,355	24,703	29,947	35,799	41,063	49,831	54,563	56,661
Agriculture & Fishing	15	79	80	72	27	40	38	45	117	83	137
Mining & Quarrying	9	-5	-24	-39	-51	-54	-58	-50	-44	-40	-6
Manufacturing	8,629	9,799	10,726	11,288	12,194	14,566	15,815	17,785	19,760	20,659	20,034
Construction	199	48	133	231	283	176	349	701	601	750	608
Commerce	2,876	3,098	3,099	2,964	2,778	3,127	3,858	4,702	6,517	8,562	7,934
Transport & Storage	507	393	286	-85	-23	169	523	907	1,230	1,372	1,532
Financial/Business Services	5,236	5,713	7,195	7,884	9,448	11,871	15,210	16,878	21,531	23,049	26,293
Social & Personal Services	50	143	150	41	47	51	63	95	120	129	131
(II) Portfolio & Other Investment	2,835	2,853	3,156	3,148	3,881	4,593	5,478	5,967	8,105	8,347	8,690

Note : Negative figures result when outstanding amount due from foreign head offices to their Singapore branches are larger than the amount due from branches to the head offices.

4.11 FOREIGN EQUITY INVESTMENT IN SINGAPORE BY COUNTRY, 1982-1992
(End of Period)

Million Dollars

Country	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Foreign Equity Investment (I + II)	20,355	22,120	24,801	25,503	28,584	34,540	41,277	47,030	57,935	62,911	65,351
(I) Direct Investment	17,521	19,267	21,645	22,355	24,703	29,947	35,799	41,063	49,831	54,563	56,661
United States	4,226	4,979	5,157	5,960	6,864	7,955	7,673	8,335	8,590	9,530	9,647
Australia	293	376	502	524	1,007	1,541	3,322	3,076	2,953	2,887	2,944
Europe	5,965	6,313	6,649	6,800	7,692	8,519	9,662	10,928	13,465	15,834	16,385
European Community	5,006	5,133	5,280	5,274	5,816	6,240	7,136	8,043	10,564	12,683	13,083
United Kingdom	3,975	3,886	3,811	3,600	3,613	3,651	3,921	901	4,639	6,150	6,021
Germany	450	461	506	560	712	761	843	3,852	884	986	1,033
Netherlands	392	547	632	789	1,117	1,483	1,968	2,747	4,072	4,345	4,079
Others	188	239	331	325	375	345	404	543	969	1,202	1,952
Switzerland	776	964	1,183	1,396	1,590	1,780	2,022	2,204	2,262	2,435	2,634
Others	183	216	187	130	286	498	504	681	639	717	668
Asia	6,217	6,607	7,506	7,284	7,075	8,435	10,860	13,685	17,302	18,423	20,176
Japan	1,994	2,111	2,789	3,163	3,654	4,578	6,490	8,427	10,663	11,718	13,186
Hong Kong	2,104	2,094	2,171	1,811	1,502	1,941	2,245	2,767	3,267	3,245	3,462
Taiwan	41	51	63	65	69	104	138	180	225	253	360
Asean	1,866	2,238	2,373	2,062	1,670	1,614	1,775	2,059	3,003	2,890	3,042
Malaysia	1,627	1,920	2,062	1,785	1,380	1,296	1,520	1,746	2,110	2,106	2,221
Indonesia	117	138	131	118	137	174	97	158	245	92	61
Philippines	37	36	32	30	34	26	30	20	159	157	150
Thailand	50	47	42	44	37	44	44	52	417	486	517
Brunei	36	97	105	85	81	74	85	83	71	49	93
Others	211	114	110	183	181	198	211	252	144	317	126
Other Countries	820	993	1,831	1,787	2,066	3,497	4,284	5,039	7,520	7,889	7,509
(II) Portfolio & Other Investment	2,835	2,853	3,156	3,148	3,881	4,593	5,478	5,967	8,105	8,347	8,690

4.12 SINGAPORE'S EQUITY INVESTMENT ABROAD BY INDUSTRY, 1990-1993
(End of Period)

Million Dollars

Industry	1990	1991	1992	1993
Equity Investment Abroad (I + II)	17,649	19,585	22,785	26,813
(I) Direct Investment¹	13,622	15,184	17,741	21,240
Manufacturing	2,395	2,901	3,760	4,613
Construction	70	72	130	199
Commerce	1,504	1,606	1,967	2,068
Transport & Storage	347	245	290	322
Financial	7,301	8,648	9,753	11,723
Real Estate	1,213	859	963	1,295
Business Services	512	605	595	767
Others	280	247	283	254
(II) Portfolio Investment	4,027	4,401	5,044	5,573

Data breakdown by industry prior to 1990 are not available.

1 Figures include stocks of attributable reserve of overseas subsidiaries and associates.

4.13 SINGAPORE'S EQUITY INVESTMENT ABROAD BY COUNTRY, 1983-1993
(End of Period)

Million Dollars

Country	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Equity Investment Abroad (I + II)	3,630	3,758	4,084	4,539	4,922	5,244	8,602	17,649	19,585	22,785	26,813
(I) Direct Investment¹	2,233	2,399	2,257	2,598	2,962	2,994	5,289	13,622	15,184	17,741	21,240
Asia	1,662	1,805	1,721	1,837	1,909	1,964	3,014	7,013	7,402	9,209	11,480
Asean	1,242	1,341	1,133	1,156	1,181	1,216	1,770	3,567	3,996	4,897	5,934
Brunei	9	49	53	50	54	57	67	66	69	89	91
Indonesia	44	56	65	68	59	60	82	225	267	328	517
Malaysia	1,163	1,209	972	986	1,008	1,031	1,424	2,790	3,121	3,917	4,657
Philippines	18	18	22	23	14	23	53	98	90	106	231
Thailand	8	9	21	30	45	46	143	388	448	457	438
Hong Kong	357	391	461	498	540	545	835	2,266	2,369	3,051	4,026
Taiwan	25	27	33	38	26	54	148	495	287	350	355
China	-	-	58	94	101	79	109	240	220	283	444
Japan	1	1	5	6	16	17	29	52	74	76	109
Others	38	45	32	45	45	52	124	394	457	554	613
Europe	58	72	89	167	358	303	305	1,095	1,398	1,480	1,550
Netherlands	12	11	12	14	165	111	-90	656	550	526	467
United Kingdom	43	44	46	82	48	49	114	300	322	351	361
Others	2	17	31	72	145	143	281	139	526	604	722
Australia	121	132	177	176	218	166	331	531	570	637	374
United States	48	54	66	65	69	108	293	690	1,304	1,590	1,755
Others	344	336	204	353	408	453	1,346	4,293	4,511	4,826	6,081
(II) Portfolio Investment	1,396	1,358	1,827	1,941	1,960	2,250	3,313	4,027	4,401	5,044	5,573

¹ Prior to 1990, figures exclude stocks of attributable reserve of overseas subsidiaries and associates as they are only available from 1990 onwards.

CHART 4

GROSS NATIONAL PRODUCT (GNP) AND PER CAPITA GNP, 1984-1994

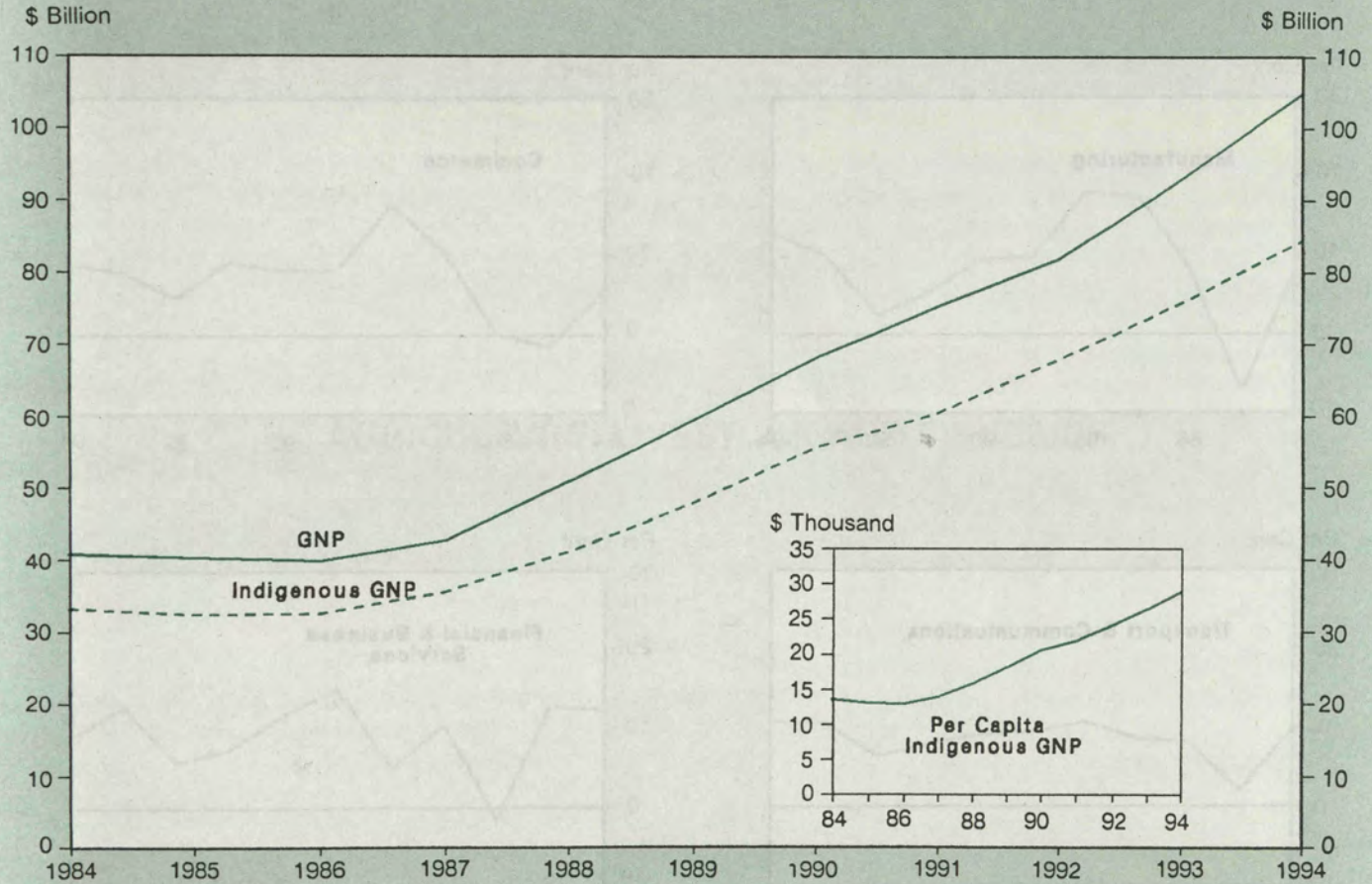
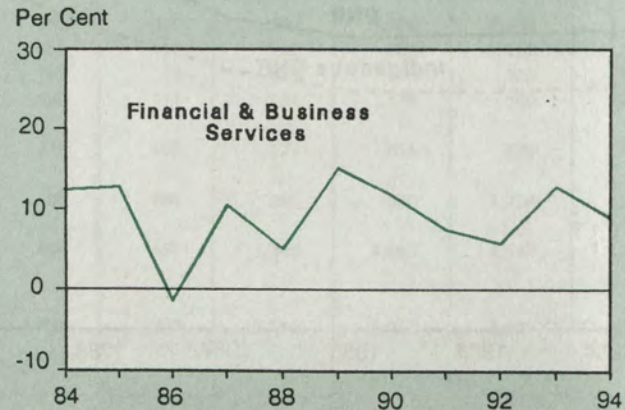
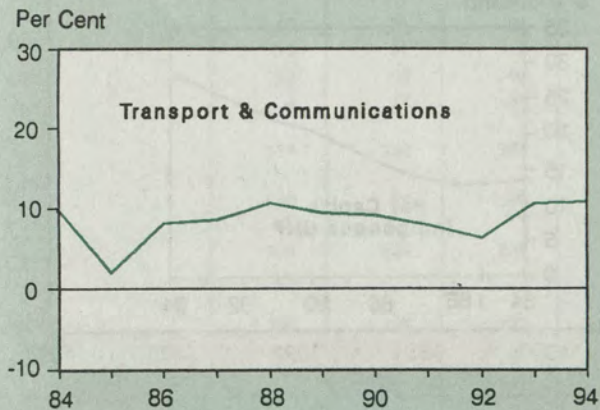
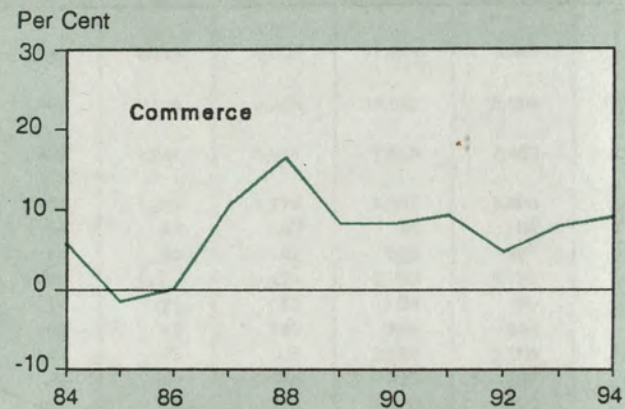
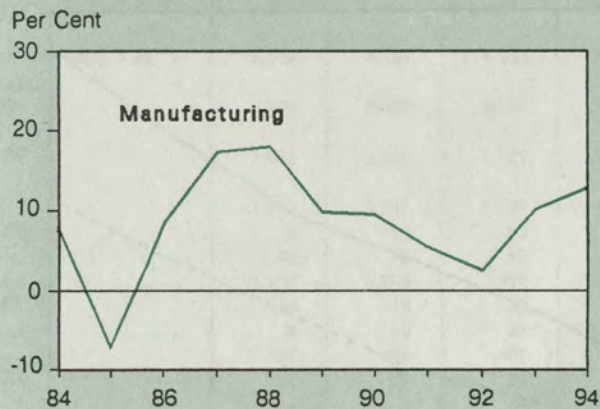


CHART 5

REAL ANNUAL GROWTH RATES OF MAJOR SECTORS, 1984-1994
(At 1985 Market Prices)



5 AGRICULTURE, LIVESTOCK AND FISHERIES

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. In order to achieve a significant measure of local production of fresh food supply, the government has initiated the development of agro-technology parks to house large-scale intensive farms using such technology. Five agrotechnology parks covering a total land area of 839 hectares have been successfully developed and a further 573 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 thousands of plantlets.

Poultry and Livestock

Hen egg production, an important farming activity in Singapore, meets about 32 per cent of eggs consumed locally. The seven large scale layer farms in agrotechnology parks are expected to increase their egg production to 1.6 million eggs or 53% of projected daily consumption.

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 17 fish processing plants licensed to manufacture fishery products for domestic as well as exports markets.

There are 79 licensed marine farms covering about 43.5 hectares of coastal waters, culturing high-value fish like groupers and seabass for the live fish market.

5.1 PRODUCTION OF PRINCIPAL CROPS, 1984-1994

Year	Vegetables	Orchid Flowers	Plants ¹
	Tonnes	Million Stalks	Million Plants
1984	32,767	)	)
1985	28,648	)	)
1986	20,876	)	)
1987	16,810	)	)
1988	10,154	) na	) na
1989	6,462	)	)
1990	8,907	)	)
1991	4,597	)	)
1992	5,189	) 42.2	)
1993	4,800	) 37.0	) 233
1994	5,644	) 32.8	) 188

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

Source : Primary Production Department

5.2 LIVESTOCK SLAUGHTERED, 1984-1994

Number

Year	Pigs	Sheep	Goats	Oxen
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
1994	1,311,753	20,170	235	789

Source : Primary Production Department

5.3 FISH SUPPLY AND AUCTION, 1984-1994

Tonnes

Year	Fish Supply			Fish Auction
	Local Production	Imports	Exports	
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	103,109
1994	11,280	178,537	136,518	92,550

Note : Exclude dried, salted and fish in brine.

Source : Primary Production Department
Trade Development Board

6 MANUFACTURING

Definitions

Establishment : A manufacturing establishment is defined as a manufacturing unit engaged in one manufacturing activity and generally operating in one location.

Material 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.

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

Value Added : The value added by an enterprise is the difference between the gross output and the cost of materials, chemicals and packing materials consumed in the production. It represents the net contribution of the enterprise to the national income.

Workshop : They refer to all persons engaged in the industrial activity of the establishment. This includes the employees and their relatives. Data pertaining to the establishment is collected through the industrial questionnaire sent to the enterprises. The data is collected from a sample of enterprises. The data is collected from a sample of enterprises. The data is collected from a sample of enterprises.

Manufacturing : Manufacturing is defined as the process of converting raw materials into finished goods. It includes the process of converting raw materials into finished goods. It includes the process of converting raw materials into finished goods.

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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 1990.

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 : A manufacturing establishment is defined as a manufacturing unit engaged in one manufacturing activity and generally operating 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 (including 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 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 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.

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 have 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, 1984-1994

Year	Establishments	Workers	Materials	Output	Census Value Added	Remuneration	Capital Expenditure	Direct Exports
	Number		Million Dollars					
1984	3,648	274,391	27,474	41,078	11,106	4,065	2,168	25,058
1985	3,504	253,510	25,509	38,495	10,702	4,075	1,977	24,276
1986	3,449	246,682	23,234	37,259	11,900	3,791	1,746	24,387
1987	3,514	276,309	29,050	46,084	14,471	4,198	2,726	30,380
1988	3,624	324,713	35,289	56,470	17,918	5,081	3,547	37,806
1989	3,660	337,575	40,201	63,626	19,676	5,986	4,522	42,388
1990	3,703	351,674	45,396	71,333	21,607	6,877	4,184	47,000
1991	3,785	358,274	46,422	74,575	23,450	7,656	4,035	45,913
1992	3,917	358,394	47,407	77,276	24,911	8,387	4,793	46,907
1993	3,993	355,175	54,251	87,639	28,287	8,995	5,624	53,022
1994 ^P	4,130	363,694	62,461	99,980	31,911	9,696	na	62,261

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

Source : Economic Development Board
with effect from April 1987

6.2 SELECTED AVERAGES AND RATIOS IN THE MANUFACTURING SECTOR, 1984-1994

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				
1984	40,476	149,706	27.0	36.6	9.9	61.2	61.0
1985	42,216	151,848	27.8	38.1	10.6	63.3	63.1
1986	48,240	151,039	31.9	31.9	10.2	64.9	65.5
1987	52,372	166,784	31.4	29.0	9.1	66.0	65.9
1988	55,182	173,907	31.7	28.4	9.0	67.2	66.9
1989	58,285	188,481	30.9	30.4	9.4	67.0	66.6
1990	61,440	202,839	30.3	31.8	9.6	65.6	65.9
1991	65,452	208,151	31.4	32.6	10.3	61.5	61.6
1992	69,508	215,617	32.2	33.7	10.9	60.3	60.7
1993	79,643	246,749	32.3	31.8	10.3	60.6	60.5
1994 ^p	87,743	274,900	31.9	30.4	9.7	62.4	62.3

Note : See notes to Table 6.1.

Source : Economic Development Board
with effect from April 1987

6.3 MANUFACTURING ESTABLISHMENTS BY INDUSTRY, 1984-1994

		Number										
Industrial Code	Industry	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994 ^P
311/2	Food	300	284	287	283	272	263	265	271	293	295	305
313	Beverage	14	14	15	15	14	14	14	14	14	13	12
314	Tobacco Products	4	4	4	4	4	4	5	4	3	3	3
321	Textiles & Textile Manufactures	79	64	65	63	67	67	65	64	64	65	65
322	Wearing Apparel except Footwear	387	370	370	373	370	372	370	351	347	311	307
323	Leather & Leather Products	38	28	26	24	21	19	17	19	20	20	19
324	Footwear	58	50	50	51	39	35	32	29	27	24	22
331	Sawn Timber & Other Wood Products except Furniture	103	108	100	94	89	91	82	76	74	72	70
332	Furniture & Fixtures except primarily of Metal, Stone & Plastics	142	145	156	148	154	153	141	139	135	141	151
341	Paper & Paper Products	88	83	80	81	88	89	92	95	100	102	106
342	Printing & Publishing	317	297	311	315	308	324	327	342	361	383	398
351	Industrial Chemicals & Gases	57	57	59	62	65	73	77	77	74	75	78
352	Paints, Pharmaceuticals & Other Chemical Products	90	89	88	86	88	88	93	94	97	95	102
353/4	Petroleum Refineries & Petroleum Products	12	12	11	11	11	11	15	17	18	20	20
355/6	Rubber Products, Jelutong & Gum Damar	38	31	29	33	30	29	30	31	28	29	29
357	Plastic Products	237	229	217	239	279	278	285	288	295	306	313
361/2	Pottery, China, Earthenware & Glass Products	13	12	10	8	8	9	8	10	12	13	15
363	Structural Clay Products	11	10	9	8	8	8	7	6	6	7	7
364	Cement	5	6	6	6	5	5	5	5	5	5	5

6.3 MANUFACTURING ESTABLISHMENTS BY INDUSTRY, 1984-1994 (continued)

												Number
Industrial Code	Industry	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994 ^P
365	Structural Cement & Concrete Products	52	52	51	45	36	32	31	32	33	35	38
369	Non-metallic Mineral Products	27	29	29	25	24	23	22	24	27	28	28
371	Iron & Steel	16	16	14	12	10	11	14	13	15	16	19
372	Non-ferrous Metals	17	16	15	18	19	19	21	21	20	22	23
381	Fabricated Metal Products except Machinery & Equipment	444	444	425	434	454	463	479	518	528	545	560
382	Machinery except Electrical & Electronic	348	355	355	372	378	385	406	414	464	467	487
383	Electrical Machinery, Apparatus, Appliances & Supplies	123	125	112	115	133	129	132	139	149	155	165
384	Electronic Products & Components	172	167	161	202	225	233	240	243	247	244	254
385	Transport Equipment	250	217	197	183	218	225	217	238	246	282	297
386	Instrumentation Equipment, Photographic & Optical Goods	46	41	40	45	47	49	57	61	60	58	61
390	Other Manufacturing Industries	160	149	157	159	160	159	154	150	155	162	171
	Total Manufacturing	3,648	3,504	3,449	3,514	3,624	3,660	3,703	3,785	3,917	3,993	4,130
	Granite Quarrying	19	18	16	16	14	13	9	7	6	5	4
	Total	3,667	3,522	3,465	3,530	3,638	3,673	3,712	3,792	3,923	3,998	4,134

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, 1984-1994

Million Dollars

Industrial Code	Industry	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994 P
311/2	Food	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	2,260.0	2,330.1
313	Beverage	309.5	319.5	365.3	408.8	464.7	537.7	510.6	525.1	555.9	558.1	575.4
314	Tobacco Products	184.5	188.4	176.1	172.8	188.4	220.3	287.6	330.5	370.0	384.6	461.5
321	Textiles & Textile Manufactures	248.2	197.8	239.2	317.1	360.6	395.5	394.6	401.7	388.3	368.0	356.2
322	Wearing Apparel except Footwear	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	1,329.4	1,128.7
323	Leather & Leather Products	40.1	35.9	34.3	38.0	58.2	62.3	54.8	62.7	75.6	78.1	76.2
324	Footwear	48.1	35.5	37.9	42.5	45.1	49.4	50.4	52.6	48.0	45.5	41.9
331	Sawn Timber & Other Wood Products except Furniture	398.5	338.0	293.4	321.0	390.6	396.7	350.1	297.4	293.0	290.4	281.4
332	Furniture & Fixtures except primarily of Metal, Stone & Plastics	350.9	359.9	353.2	374.2	464.7	488.1	516.3	517.2	531.2	616.5	693.0
341	Paper & Paper Products	396.8	408.3	439.2	591.2	701.2	760.1	816.3	869.5	802.4	853.7	913.4
342	Printing & Publishing	913.8	895.7	952.2	1,119.1	1,334.0	1,551.6	1,742.9	1,929.2	2,133.4	2,302.8	2,507.7
351	Industrial Chemicals & Gases	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	2,654.2	3,036.4
352	Paints, Pharmaceuticals & Other Chemical Products	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	2,374.2	2,419.3
353/4	Petroleum Refineries & Petroleum Products	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	11,213.2	10,719.8
355/6	Rubber Products, Jelutong & Gum Damar	104.7	90.7	91.0	114.5	139.1	162.5	146.7	161.3	162.6	167.7	186.5
357	Plastic Products	670.4	612.4	611.3	843.5	1,234.3	1,349.6	1,428.6	1,608.5	1,596.3	1,852.7	2,060.2
361/2	Pottery, China, Earthenware Glass Products	80.7	29.5	15.6	10.7	13.6	108.2	145.5	149.0	176.1	202.8	217.2
363	Structural Clay Products	67.4	46.8	29.5	33.9	30.5	31.1	30.5	41.6	54.0	39.9	40.6
364	Cement	281.3	164.7	152.6	121.5	128.6	175.0	232.8	333.6	374.1	426.8	451.2

6.4 MANUFACTURING OUTPUT BY INDUSTRY, 1984-1994 (continued)

Million Dollars

Industrial Code	Industry	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994 ^p
365	Structural Cement & Concrete Products	657.2	585.8	487.4	372.6	341.1	376.1	473.1	624.1	702.9	883.7	992.4
369	Non-metallic Mineral Products	113.8	98.2	98.4	110.7	136.2	138.7	126.1	133.0	156.5	173.8	165.6
371	Iron & Steel	336.2	340.2	376.3	382.6	427.6	525.9	581.9	536.4	524.0	564.7	586.7
372	Non-ferrous Metals	197.3	224.8	245.6	167.2	205.4	184.9	216.0	198.3	208.3	198.4	223.4
381	Fabricated Metal Products except Machinery & Equipment	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	4,889.7	5,510.7
382	Machinery except Electrical & Electronic	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	3,729.4	4,493.9
383	Electrical Machinery, Apparatus, Appliances & Supplies	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	2,805.2	3,167.1
384	Electronic Products & Components	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	39,827.4	49,346.2
385	Transport Equipment	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	4,590.3	4,998.8
386	Instrumentation Equipment, Photographic & Optical Goods	300.1	329.0	375.3	456.7	576.5	671.8	783.0	860.5	946.5	1,086.9	1,109.8
390	Other Manufacturing Industries	556.1	494.3	571.8	809.1	989.5	1,017.5	1,097.1	1,005.0	882.8	870.8	888.2
	Total Manufacturing	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	87,639.0	99,979.6
	Granite Quarrying	223.8	162.7	117.4	97.9	90.8	92.9	120.6	148.1	127.4	88.7	75.8
	Total	41,301.7	38,657.8	37,376.1	46,181.9	56,560.8	63,719.2	71,453.8	74,723.1	77,403.3	87,727.7	100,055.4

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, 1984-1994

Million Dollars

Industrial Code	Industry	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994 ^P
311/2	Food	377.9	395.3	405.7	451.6	527.1	567.5	583.4	625.5	653.7	718.7	758.9
313	Beverage	152.1	166.9	190.4	205.7	243.0	247.4	251.7	265.0	277.6	290.1	303.4
314	Tobacco Products	79.4	77.7	78.4	87.0	88.7	97.6	116.1	127.3	158.1	181.6	225.3
321	Textiles & Textile Manufactures	81.0	64.3	77.7	101.2	113.6	122.4	129.8	126.6	120.8	116.7	115.3
322	Wearing Apparel except Footwear	364.5	345.7	361.9	464.8	534.6	544.5	532.8	522.0	493.9	430.2	385.0
323	Leather & Leather Products	13.6	11.4	10.6	12.0	17.2	22.7	19.8	21.7	26.7	32.8	31.7
324	Footwear	19.4	12.6	12.0	13.1	12.3	14.4	16.4	15.6	15.4	15.7	14.5
331	Sawn Timber & Other Wood Products except Furniture	115.8	94.5	82.3	81.9	101.9	112.9	98.8	79.1	77.2	78.6	72.4
332	Furniture & Fixtures except primarily of Metal, Stone & Plastics	129.9	132.9	131.0	133.1	154.4	164.2	161.9	171.4	184.7	201.0	222.1
341	Paper & Paper Products	166.9	180.1	191.1	239.6	269.3	293.2	343.0	358.9	349.6	401.4	432.7
342	Printing & Publishing	522.9	511.4	531.4	603.8	697.9	788.6	932.5	1,043.5	1,213.5	1,350.4	1,496.2
351	Industrial Chemicals & Gases	310.3	358.4	574.1	915.0	1,376.5	1,184.2	1,058.2	960.7	835.7	873.1	1,010.2
352	Paints, Pharmaceuticals & Other Chemical Products	592.4	536.1	700.3	815.1	877.6	952.1	1,088.1	1,486.9	1,489.9	1,586.9	1,626.6
353/4	Petroleum Refineries & Petroleum Products	955.6	873.7	779.9	728.2	993.5	1,248.4	1,662.3	2,022.8	1,749.9	1,960.6	1,797.9
355/6	Rubber Products, Jelutong & Gum Damar	44.1	38.4	40.7	48.8	57.7	66.9	62.9	74.0	77.8	86.6	97.6
357	Plastic Products	243.6	231.0	232.4	297.3	409.2	476.5	538.9	609.4	634.1	762.9	852.9
361/2	Pottery, China, Earthenware & Glass Products	35.0	10.9	6.1	5.8	6.4	22.3	60.7	65.1	92.4	107.4	115.0
363	Structural Clay Products	36.6	25.0	19.0	21.4	18.2	17.7	16.0	24.3	32.7	22.0	22.4
364	Cement	46.1	34.1	34.5	27.8	30.8	51.0	70.2	126.2	151.4	170.9	180.6

6.5 CENSUS VALUE ADDED OF MANUFACTURING ESTABLISHMENTS BY INDUSTRY, 1984-1994 *(continued)*

Million Dollars

Industrial Code	Industry	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994 ^P
365	Structural Cement & Concrete Products	235.0	213.6	150.7	110.4	93.8	105.9	123.9	151.9	160.5	188.9	208.6
369	Non-metallic Mineral Products	45.8	35.4	39.9	51.3	62.7	56.3	59.2	60.9	76.4	79.9	75.5
371	Iron & Steel	123.7	108.1	119.2	139.9	167.5	188.5	175.9	176.5	198.7	162.1	177.5
372	Non-ferrous Metals	35.1	30.3	29.9	41.4	53.9	57.2	73.6	67.0	74.6	69.1	77.7
381	Fabricated Metal Products except Machinery & Equipment	761.9	681.2	720.4	859.5	1,081.6	1,229.0	1,323.8	1,503.5	1,647.1	1,834.9	2,071.6
382	Machinery except Electrical & Electronic	821.3	788.7	739.1	731.6	962.2	1,142.8	1,267.6	1,417.3	1,484.7	1,526.2	1,845.2
383	Electrical Machinery, Apparatus, Appliances & Supplies	573.4	519.8	545.1	663.7	784.1	893.8	879.8	967.4	1,025.0	1,049.2	1,169.8
384	Electronic Products & Components	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	11,066.2	13,368.0
385	Transport Equipment	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	2,147.9	2,360.6
386	Instrumentation Equipment, Photographic & Optical Goods	163.7	196.0	227.1	261.4	316.0	340.2	363.4	396.7	468.8	554.5	571.1
390	Other Manufacturing Industries	153.3	155.5	180.4	240.0	264.3	265.3	265.6	243.4	227.3	220.6	225.0
	Total Manufacturing	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	28,287.2	31,911.4
	Granite Quarrying	146.4	103.2	70.3	58.8	53.9	56.1	79.0	92.3	62.6	51.6	38.9
	Total	11,252.7	10,805.5	11,970.3	14,529.6	17,972.1	19,731.8	21,685.8	23,542.2	24,973.7	28,338.8	31,950.3

Source : Economic Development Board
with effect from April 1987

6.6 WORKERS IN MANUFACTURING BY INDUSTRY, 1984-1994

Number

Industrial Code	Industry	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994 ^P
311/2	Food	10,264	9,718	9,606	10,163	10,408	10,391	10,615	11,104	11,565	11,874	12,028
313	Beverage	2,398	2,273	2,264	2,258	2,304	2,406	2,439	2,440	2,306	2,190	2,192
314	Tobacco Products	809	753	752	709	564	583	731	816	753	762	834
321	Textiles & Textile Manufactures	3,903	2,814	2,662	2,918	3,324	3,355	3,406	3,343	3,286	3,101	2,760
322	Wearing Apparel except Footwear	25,710	24,782	24,812	27,718	29,402	29,105	27,694	25,915	23,434	20,856	18,416
323	Leather & Leather Products	950	646	577	598	686	717	677	788	836	826	740
324	Footwear	1,249	889	922	946	832	725	781	638	536	459	411
331	Sawn Timber & Other Wood Products except Furniture	4,930	4,100	3,274	3,022	3,173	3,002	2,574	2,204	2,107	1,864	1,780
332	Furniture & Fixtures except primarily of Metal, Stone & Plastics	7,466	7,045	7,404	7,457	7,719	7,143	6,521	6,463	6,310	6,344	6,439
341	Paper & Paper Products	3,675	3,462	3,315	3,590	4,093	4,341	4,604	4,932	5,032	5,184	5,412
342	Printing & Publishing	13,820	12,948	12,886	13,023	14,202	15,299	15,805	16,835	17,253	17,981	18,431
351	Industrial Chemicals & Gases	3,315	3,279	3,180	3,311	3,716	4,326	4,750	4,814	4,862	5,275	5,475
352	Paints, Pharmaceuticals & Other Chemical Products	4,520	4,485	4,264	4,394	4,591	4,685	5,168	5,282	5,506	5,444	5,716
353/4	Petroleum Refineries & Petroleum Products	3,605	3,494	3,367	3,245	3,125	3,113	3,291	3,725	3,808	3,896	3,912
355/6	Ruber Products, Jelutong & Gum Damar	1,452	1,181	1,158	1,310	1,509	1,526	1,611	1,760	1,691	1,760	1,816
357	Plastic Products	9,160	8,706	8,109	9,977	12,214	12,967	13,881	15,505	15,644	16,919	17,410
361/2	Pottery, China, Earthenware & Glass Products	1,010	347	233	144	163	853	798	880	899	968	980
363	Structural Clay Products	641	549	436	383	361	358	305	293	294	300	293
364	Cement	552	547	424	408	366	380	416	420	450	465	454

6.6 WORKERS IN MANUFACTURING BY INDUSTRY, 1984-1994 (continued)

Million Dollars

Industrial Code	Industry	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994 ^P
365	Structural Cement & Concrete Products	4,559	4,367	4,367	2,777	2,206	2,213	2,160	2,260	2,234	2,836	3,066
369	Non-metallic Mineral Products	1,418	1,384	1,387	1,470	1,820	1,764	1,475	1,332	1,741	1,470	1,502
371	Iron & Steel	1,667	1,564	1,349	1,329	1,516	1,615	1,730	1,787	1,756	1,714	1,750
372	Non-ferrous Metals	504	490	454	616	670	737	815	824	788	696	714
381	Fabricated Metal Products except Machinery & Equipment	20,923	20,061	18,900	21,365	26,004	27,085	28,440	30,593	30,200	32,606	33,163
382	Machinery except Electrical & Electronic	18,833	18,470	17,062	18,471	20,695	22,606	24,189	24,113	25,958	25,400	26,238
383	Electrical Machinery, Apparatus, Appliances & Supplies	17,348	16,892	16,241	18,836	22,064	22,366	21,989	20,768	19,905	19,384	19,810
384	Electronic Products & Components	73,022	65,617	68,772	84,910	111,559	116,080	122,797	123,358	122,562	117,614	123,377
385	Transport Equipment	24,759	21,748	17,062	17,442	20,257	22,396	26,133	29,737	31,699	32,857	34,500
386	Instrumentation Equipment, Photographic & Optical Goods	5,395	5,119	5,252	6,151	7,392	7,634	8,263	8,577	8,841	8,298	8,464
390	Other Manufacturing Industries	6,534	5,780	6,191	7,368	7,778	7,804	7,616	6,768	6,138	5,832	5,581
	Total Manufacturing	274,391	253,510	246,682	276,309	324,713	337,575	351,674	358,274	358,394	355,175	363,694
	Granite Quarrying	1,145	776	625	506	325	281	224	270	258	192	134
	Total	275,536	254,286	247,307	276,815	325,038	337,856	351,898	358,544	358,652	355,367	363,828

Note : See notes to Table 6.3.

Source : Economic Development Board
with effect from April 1987

6.7 REMUNERATION IN MANUFACTURING BY INDUSTRY, 1984-1994

Million Dollars

Industrial Code	Industry	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994 ^P
311/2	Food	150.0	159.0	149.4	154.2	167.4	186.6	206.9	235.6	256.7	280.2	303.8
313	Beverage	40.7	44.1	40.7	39.7	45.2	49.5	63.7	72.8	70.8	67.8	70.1
314	Tobacco Products	21.1	20.8	18.8	17.9	18.9	21.5	25.4	28.9	30.2	33.6	39.8
321	Textiles & Textile Manufactures	46.3	35.2	32.9	39.3	45.2	51.3	55.2	60.4	61.8	62.6	57.6
322	Wearing Apparel except Footwear	239.3	229.7	225.5	258.4	292.2	318.8	323.4	322.0	314.6	282.8	259.0
323	Leather & Leather Products	8.8	7.0	6.1	6.5	8.9	10.6	10.4	13.2	15.4	17.0	16.7
324	Footwear	11.7	8.0	7.0	7.3	7.3	8.4	9.1	8.4	8.9	8.0	7.7
331	Sawn Timber & Other Wood Products except Furniture	57.1	48.8	38.4	38.1	42.4	46.6	43.6	41.9	42.6	38.6	41.4
332	Furniture & Fixtures except primarily of Metal, Stone & Plastics	74.8	75.8	76.6	78.4	92.5	93.8	99.3	103.2	106.5	116.2	123.7
341	Paper & Paper Products	53.7	55.2	54.7	64.2	75.7	87.8	98.6	115.0	124.3	136.6	148.1
342	Printing & Publishing	234.1	236.4	237.3	246.0	288.8	348.1	378.9	462.6	487.7	532.7	575.3
351	Industrial Chemicals & Gases	89.5	100.4	91.4	99.3	117.1	150.3	195.3	213.5	227.2	265.2	284.8
352	Paints, Pharmaceuticals & Other Chemical Products	96.5	101.6	98.2	100.9	112.1	127.3	155.5	171.4	192.6	207.0	228.5
353/4	Petroleum Refineries & Petroleum Products	151.4	154.6	148.8	148.4	154.2	174.3	204.0	241.5	252.7	288.1	314.0
355/6	Rubber Products, Jelutong & Gum Damar	21.7	19.2	17.8	21.5	25.2	28.1	32.2	38.4	40.6	42.7	44.8
357	Plastic Products	105.4	105.4	102.5	122.5	161.6	195.0	229.9	270.6	301.7	366.3	399.6
361/2	Pottery, China, Earthenware & Glass Products	18.0	6.0	3.2	2.0	2.4	12.7	18.3	22.4	25.4	25.8	27.9
363	Structural Clay Products	11.7	9.3	6.5	5.6	5.3	6.1	6.2	6.4	7.5	8.0	8.3
364	Cement	12.4	12.2	9.2	8.4	8.5	10.5	13.3	17.8	21.5	24.8	26.6

6.7 REMUNERATION IN MANUFACTURING BY INDUSTRY, 1984-1994 (continued)

Million Dollars

Industrial Code	Industry	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994 ^P
365	Structural Cement & Concrete Products	72.9	75.3	69.8	40.9	34.4	37.5	40.6	49.8	54.6	65.5	73.8
369	Non-metallic Mineral Products	20.7	21.6	21.4	21.8	26.1	27.8	27.6	31.6	35.6	37.2	38.8
371	Iron & Steel	39.7	39.7	33.8	33.2	37.1	45.0	48.8	53.2	58.3	62.7	67.5
372	Non-ferrous Metals	8.6	8.7	9.2	11.2	14.3	17.3	21.1	23.0	25.6	22.9	24.2
381	Fabricated Metal Products except Machinery & Equipment	307.5	319.9	293.0	338.0	413.6	491.6	563.4	653.5	702.6	795.3	840.6
382	Machinery except Electrical & Electronic	364.7	379.1	321.4	338.0	406.2	490.7	569.3	630.7	736.9	768.2	843.5
383	Electrical Machinery, Apparatus, Appliances & Supplies	245.5	252.4	221.3	246.2	304.1	340.7	368.0	409.1	428.4	478.5	522.1
384	Electronic Products & Components	936.8	959.9	976.2	1,188.9	1,559.9	1,836.2	2,160.1	2,325.9	2,539.5	2,657.4	2,894.0
385	Transport Equipment	480.0	446.4	337.6	352.1	418.3	543.1	630.4	730.1	902.6	984.5	1,078.1
386	Instrumentation Equipment, Photographic & Optical Goods	69.7	69.9	68.3	83.7	99.5	119.4	158.3	183.6	199.0	201.6	209.7
390	Other Manufacturing Industries	75.2	73.1	72.9	85.5	96.5	109.2	119.9	119.4	115.4	117.5	125.7
	Total Manufacturing	4,065.5	4,074.7	3,791.1	4,197.9	5,081.0	5,985.7	6,876.7	7,655.9	8,387.1	8,995.4	9,695.5
	Granite Quarrying	19.4	14.3	10.8	9.4	7.7	7.1	6.2	7.3	7.7	5.3	4.0
	Total	4,084.9	4,089.0	3,801.9	4,207.3	5,088.7	5,992.8	6,882.8	7,663.2	8,394.8	9,000.7	9,699.5

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, 1983-1993

Million Dollars

Commodity	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Soft Drinks	171.1	157.5	159.2	201.5	236.9	255.6	254.8	267.5	277.7	309.6	303.8
Fabrics	107.9	108.6	88.4	123.8	111.2	142.8	164.7	154.3	150.4	135.7	140.9
Newspapers	67.5	68.9	68.9	76.9	79.0	82.1	91.2	96.2	102.6	108.0	113.3
Paints	119.1	137.8	135.1	136.9	165.4	207.4	238.8	267.0	309.8	355.3	339.0
Pharmaceutical Products	370.0	504.3	475.7	691.1	811.2	871.8	972.0	1,032.0	1,436.6	1,373.1	1,439.4
Aviation Kerosene	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	2,256.8
Diesel Oil	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	3,744.5
Fuel Oil	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	1,433.6
Lubricating Oil	711.1	606.5	378.5	529.3	406.0	457.4	532.1	523.3	601.0	632.5	629.0
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	1,210.5
Naphtha	1,155.7	1,085.4	904.6	514.8	527.9	490.4	562.8	717.3	865.0	925.1	944.3
Cement	441.4	280.0	164.4	151.8	120.8	127.5	173.4	231.3	333.6	374.1	426.8
Ready-mixed Concrete	361.3	359.9	305.2	257.9	215.5	195.5	238.6	316.9	434.2	497.1	587.0
Metal Stampings	105.4	146.1	115.8	168.6	231.6	328.4	405.9	530.1	598.6	564.4	739.3
Oil Rigs & Oilfield Equipment	938.3	706.9	609.1	490.5	467.2	480.2	583.0	780.1	985.6	843.3	766.4
Motors	108.0	136.7	153.1	180.5	264.3	345.6	426.6	388.1	416.4	366.4	384.7
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	8,499.2
Telephones	na	na	na	203.6	474.2	764.6	714.6	587.9	528.9	401.2	283.0
Television Receivers	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	1,134.2
Radios (excluding Radio Cassette Recorders)	217.3	101.0	156.1	151.8	178.3	208.5	174.3	141.5	126.3	93.5	63.9
Cassette Recorders (with or without radio)	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	1,109.2
Capacitors	86.8	100.8	84.4	101.7	136.7	202.2	274.6	307.2	394.1	409.7	489.9
Shipbuilding & Repairing	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	2,255.8
Marine Engines & Parts	110.5	106.1	89.0	99.0	100.9	158.3	202.0	183.3	221.8	231.3	257.2
Jewellery	150.7	203.4	144.0	142.7	153.1	243.4	271.4	343.0	341.6	333.4	316.6
Toys	94.7	119.2	135.1	187.9	339.6	384.1	306.6	265.6	275.3	220.6	181.2

Source : Economic Development Board
with effect from April 1987

6.9 ANNUAL INDEX OF INDUSTRIAL PRODUCTION, 1986-1994
(1992 = 100)

Industrial Code	Major Industry Group	1986	1987	1988	1989	1990	1991	1992	1993	1994
	Total Manufacturing excluding Rubber Processing	55.1	64.7	76.5	84.2	92.6	97.6	100.0	110.2	124.4
311/2	Food	83.3	84.4	92.0	94.7	92.3	97.3	100.0	103.8	103.0
313	Beverage	62.7	75.0	84.0	81.7	88.5	89.3	100.0	98.5	100.4
314	Cigarettes & Other Tobacco Products	24.4	20.7	37.2	54.5	79.6	88.6	100.0	103.2	144.7
321	Textiles & Textile Manufactures	84.5	97.0	104.1	108.6	101.9	109.3	100.0	88.3	84.9
322	Wearing Apparel except Footwear	93.0	109.4	116.3	118.6	110.7	110.2	100.0	79.4	68.4
323	Leather & Leather Products	124.3	139.4	130.8	110.2	106.8	87.0	100.0	104.8	99.0
324	Footwear	61.9	74.0	88.7	79.8	84.3	120.3	100.0	89.4	82.4
331	Sawn Timber & Other Wood Products except Furniture	132.2	142.5	141.1	124.7	116.9	99.3	100.0	92.7	86.0
332	Furniture & Fixtures except primarily of Metal, Stone & Plastics	93.9	91.0	96.6	93.8	93.2	98.8	100.0	109.7	123.7
341	Paper & Paper Products	69.4	92.3	101.5	103.6	108.6	113.3	100.0	100.6	107.1
342	Printing & Publishing	58.1	63.6	70.3	77.9	85.9	93.3	100.0	108.6	116.8
351	Industrial Chemicals & Gases	67.2	80.0	85.5	91.1	103.5	105.3	100.0	104.9	124.5
352	Paints & Pharmaceutical & Other Chemical Products	51.7	52.1	53.9	63.9	83.3	109.1	100.0	103.2	106.7
353/4	Petroleum Refineries & Petroleum Products	76.5	71.1	74.4	84.6	96.0	99.2	100.0	114.7	116.2
356	Rubber Products except Footwear & Toys	105.8	110.9	107.3	107.1	95.2	108.0	100.0	104.3	116.7
357	Plastic Products	65.6	81.4	93.5	93.7	92.8	102.5	100.0	107.4	119.8
361/2	Pottery, China, Earthenware & Glass Products	63.2	68.4	75.2	70.8	81.9	86.6	100.0	103.5	107.0

6.9 ANNUAL INDEX OF INDUSTRIAL PRODUCTION, 1986-1994 (continued)
(1992 = 100)

Industrial Code	Major Industry Group	1986	1987	1988	1989	1990	1991	1992	1993	1994
363	Bricks, Tiles & Other Structural Clay Products	55.0	62.3	62.6	69.0	67.4	80.8	100.0	85.6	87.9
364	Cement	67.3	56.9	59.4	63.4	68.9	87.9	100.0	124.9	129.7
365	Structural Cement & Concrete Products	91.2	70.4	64.7	68.7	79.1	93.7	100.0	125.7	133.8
369	Non-metallic Mineral Products	38.6	57.0	59.3	90.1	91.2	91.0	100.0	104.5	99.6
371	Iron & Steel	83.5	86.6	92.0	94.6	101.9	96.9	100.0	109.9	108.4
372	Non-ferrous Metals	72.6	78.7	80.2	74.8	86.4	89.5	100.0	95.6	105.5
381	Fabricated Metal Products except Machinery & Equipment	68.2	77.8	91.7	95.2	93.9	94.6	100.0	104.0	115.9
382	Machinery except Electrical & Electronic	50.0	58.3	70.2	82.8	89.3	100.8	100.0	94.7	114.6
383	Electrical Machinery, Apparatus, Appliances & Supplies	55.1	72.8	86.9	98.9	91.6	99.9	100.0	103.6	114.6
384	Electronic Products & Components	43.9	57.7	73.9	81.3	91.9	91.9	100.0	122.8	149.4
385	Transport Equipment	54.2	58.6	70.6	86.0	95.6	100.2	100.0	99.2	106.1
386	Instrumentation Equipment, Photographic & Optical Goods	42.8	50.0	61.6	62.0	71.6	95.3	100.0	112.6	115.3
390	Other Manufacturing Industries	98.1	160.6	170.0	119.6	127.0	125.3	100.0	84.2	84.0

Source : Economic Development Board
with effect from April 1987

6.10 NET INVESTMENT COMMITMENTS IN MANUFACTURING BY INDUSTRY, 1984-1994

Million Dollars

Industry	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Total	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	3,922.6	5,764.6
Food & Beverages	154.4	55.5	83.3	156.6	168.4	34.1	43.8	39.8	76.5	92.9	36.3
Textiles	0.3	3.2	5.6	3.0	10.6	2.0	2.8	11.2	5.2	-	-
Wearing Apparel	6.7	0.7	-	6.8	0.9	0.4	0.2	5.7	10.0	2.4	-
Leather & Rubber	8.1	4.9	0.4	8.5	5.6	-	10.0	4.4	2.8	1.7	2.6
Wood Products	8.0	21.3	11.4	14.7	-	2.1	8.6	2.8	4.6	24.7	-
Paper Products & Printing	111.3	32.3	36.2	25.1	72.0	93.8	76.2	109.4	89.5	92.2	268.4
Industrial Chemicals	8.1	34.5	78.0	32.9	124.7	213.5	265.9	322.0	294.3	783.5	1,192.8
Other Chemical Products	30.7	18.2	111.5	11.0	25.7	21.7	35.0	243.4	248.4	340.4	113.9
Petroleum	358.8	190.0	116.0	122.4	-	290.0	381.0	99.5	454.2	84.6	1,180.3
Plastic Products	33.4	19.4	42.6	115.9	53.5	37.8	8.9	87.2	110.8	48.3	26.9
Non-metallic Mineral Products	24.6	88.4	9.3	6.2	133.8	-	9.0	47.9	63.1	126.1	206.8
Basic Metals	18.1	2.9	8.3	5.2	15.3	86.6	-	2.8	34.3	69.4	6.6
Fabricated Metal Products	71.5	39.5	82.0	104.3	109.9	101.0	103.1	127.1	152.5	147.9	324.5
Machinery except Electrical	225.9	125.0	205.6	93.5	180.5	131.0	186.2	376.5	343.7	330.8	276.5
Electrical Machinery & Appliances	30.1	76.0	130.8	128.1	97.3	77.7	98.5	17.0	17.9	93.6	28.8
Electronic Products & Components	625.8	300.1	391.1	710.3	838.3	699.2	1,098.6	1,243.4	1,257.3	1,227.4	1,513.4
Transport Equipment	72.5	88.3	64.0	61.7	110.4	50.8	114.1	124.3	167.1	341.2	555.4
Precision Equipment	17.0	2.0	53.8	116.6	44.0	93.0	21.1	34.0	138.3	113.7	19.6
Other Products	1.6	3.5	-	11.8	0.7	14.3	-	35.7	10.5	1.8	11.9
Servicing/Engineering	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 1994.

Source : Economic Development Board

6.11 NET INVESTMENT COMMITMENTS IN MANUFACTURING BY COUNTRY OF ORIGIN, 1984-1994

Million Dollars

Country	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Total	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	3,922.6	5,764.6
Local	493.7	232.4	259.4	295.0	349.6	333.3	269.5	472.9	748.0	745.5	1,437.2
Foreign	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	3,177.1	4,327.4
United States	805.9	427.3	443.4	543.5	586.6	520.2	1,054.8	969.2	1,201.4	1,452.2	2,451.7
Japan	166.6	244.1	493.8	601.1	691.3	541.2	708.2	713.2	858.0	779.4	913.8
Europe	325.1	201.0	218.8	285.8	358.1	544.2	435.3	684.2	618.7	881.9	907.0
European Community (EC)	318.9	180.9	204.8	241.0	345.1	525.4	395.5	615.9	536.1	795.7	893.0
United Kingdom	186.6	69.4	93.4	42.4	56.6	174.6	89.9	186.5	305.5	357.8	525.1
Netherlands	70.3	75.2	57.1	70.9	82.9	174.0	72.6	216.2	43.1	7.7	175.6
Germany	14.3	20.1	16.7	90.3	46.7	26.4	165.7	60.2	106.4	204.6	91.8
France	-	15.1	27.8	15.2	86.0	106.0	60.4	75.2	34.1	124.9	54.0
Italy	44.8	-	5.1	22.0	68.0	32.8	-	70.1	26.7	43.3	38.9
Other EC Countries	2.9	1.1	4.7	0.2	4.8	11.6	6.9	7.7	20.6	57.4	7.6
Switzerland	2.7	4.7	7.7	27.8	10.1	0.9	32.7	12.6	63.1	66.3	11.4
Other European Countries	3.6	15.4	6.3	17.0	2.9	18.0	7.1	55.7	19.3	19.9	2.7
Others	37.1	15.6	34.6	17.6	21.7	19.8	19.6	94.5	55.0	63.5	54.9

Source : Economic Development Board

6.12 PRINCIPAL STATISTICS OF PIONEER MANUFACTURING ESTABLISHMENTS, 1983-1993

End of Year	Establishments	Workers	Materials	Output	Census Value Added	Remuneration	Paid-up Capital	Gross Fixed Assets	Direct Exports
	Number		Million Dollars						
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
1993	421	162,341	36,315	56,334	17,921	4,271	8,155	27,389	39,461

Source : Economic Development Board
with effect from April 1987

**6.13 PRINCIPAL STATISTICS OF PIONEER MANUFACTURING ESTABLISHMENTS BY INDUSTRY GROUP,
DECEMBER 1993**

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	421	162,341	36,315	56,334	17,921	4,271	8,155	27,389	39,461	110
Food & Beverages	10	1,208	209	355	135	38	111	257	209	112
Textiles & Garments	9	1,853	53	111	46	29	82	108	103	25
Printing & Paper Products	6	1,034	121	318	186	37	15	285	271	180
Industrial Chemicals & Gases	27	3,164	1,230	1,984	632	176	1,002	3,167	1,401	200
Chemical Products	17	2,109	302	1,622	1,304	92	227	611	1,448	618
Petroleum & Petroleum Products	5	2,825	6,029	7,966	1,678	223	378	7,471	372	594
Rubber Products	4	651	21	57	32	18	43	83	48	49
Plastic Products	16	2,320	118	287	129	51	47	277	102	56
Non-metallic Mineral Products	9	1,611	163	388	193	47	117	391	147	120
Basic Metal Industries	7	1,579	357	573	166	62	115	487	149	105
Fabricated Metal Products	52	8,270	650	1,320	597	219	373	1,066	582	72
Non-electrical Machinery	63	10,056	664	1,460	709	306	300	1,423	1,100	70
Electrical Machinery	32	12,552	909	1,741	730	301	277	1,283	1,272	58
Electronic Products	105	97,615	24,573	35,593	10,094	2,244	4,565	8,626	30,038	103
Transport Equipment	20	7,365	418	1,480	752	242	322	1,006	1,236	102
Instrumentation Equipment	27	6,649	424	941	485	163	116	661	864	73
Miscellaneous	12	1,480	73	140	53	28	67	189	118	36

Source : Economic Development Board

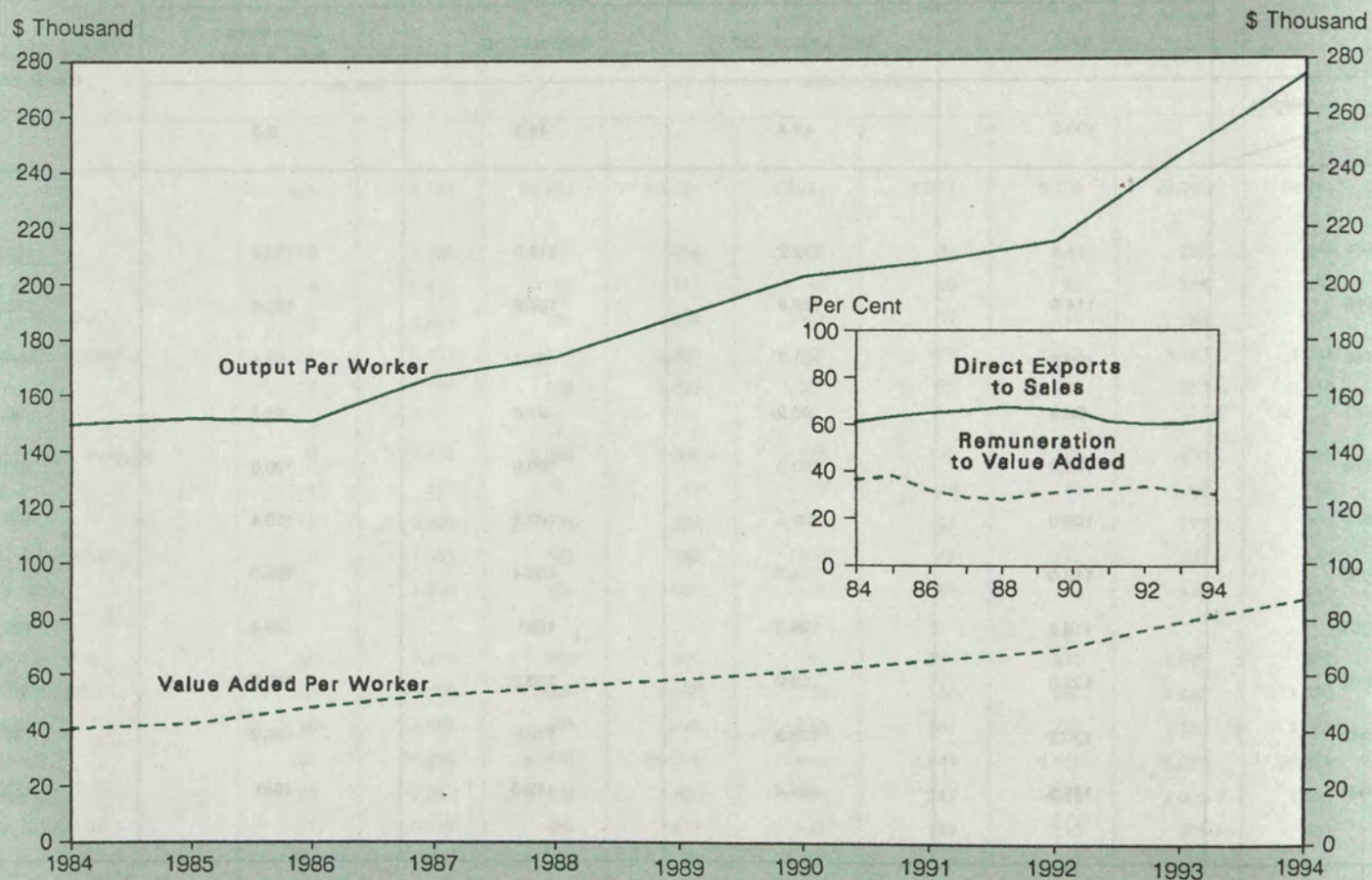
6.14 INDICES OF UNIT BUSINESS COST AND UNIT LABOUR COST, 1984-1994
(1988 = 100)

	Unit Business Cost of Manufacturing				Unit Labour Cost of Overall Economy
	Total	Unit Labour Cost	Services Cost	Government Rates & Fees	
Weights ¹	100.0	49.4	48.3	2.3	
Period					
1984	114.6	112.2	115.0	150.4	112.6
1985	114.5	119.8	107.9	132.6	113.7
1986	100.4	101.7	99.4	95.4	100.9
1987	96.9	96.2	97.6	96.7	96.7
1988	100.0	100.0	100.0	100.0	100.0
1989	106.0	109.5	102.2	110.4	108.9
1990	113.0	118.7	106.4	129.0	118.3
1991	118.6	126.5	109.1	149.8	126.4
1992	122.0	133.9	108.2	159.5	130.7
1993	120.2	128.3	110.1	158.3	130.5
1994	119.5	124.4	112.3	164.1	133.0

¹ The unit business cost indices for 1984-1987 and 1988-1994 are based on the 1983 and 1988 input structures respectively.

CHART 6

SELECTED RATIOS IN MANUFACTURING, 1984-1994



7 ELECTRICITY, WATER AND GAS SUPPLY

Potable water is available in Singapore at the turn of the tap. The quality of water is well within the Guidelines for

6-410 substation.

network now consists of about 19,000 kilometres of cables supplied from the power station to the customers. The the transmission and distribution system whereby electricity is 6-410 substation. A network of 220 kilovolt (kV), 66kV, 22kV, 6.6kV and

departing capacity is 4,512 megawatts. Today, electricity is generated at power stations at Pulau Electricity was first made available to the Republic in

Electricity

rates among the best in the world. in Singapore, Singapore enjoys a standard of utilities supply

production and distribution of electricity, water and piped gas.

installed gas production capacity of 1.6 million cubic metres per day. water will be completed by end 1999. It will have a low replaced by a new gasworks at Senoko. The Senoko Gas- kilometres of gas mains in 1987. Kallang Gasworks will be during the peak demand periods. There is a total of 2,192 Kallang and Queenstown and used to supplement the supply produced during off-peak periods is stored in the holdern is capacity of about 1,062 million cubic metres per day. Gas Kallang Gasworks which has a total installed production Gas is produced by eight natural gas pipelines at the

consumers. consisting of 4,400 kilometres of pipelines for supply to reservoir for storage as well as into the distribution network the pipe treatment works, water is pumped into tanks. piped from rivers in Johor. After purification and treatment at reservoir, 14 in Singapore and 5 in Johor. Water is also Water supplies are drawn mainly from 19 reservoirs.

It is safe to drink straight from the tap. Drinking Water Quality set by the World Health Organisation.

7 ELECTRICITY, WATER AND GAS SUPPLY

The Public Utilities Board (PUB) is responsible for the production and distribution of electricity, water and piped gas in Singapore. Singapore enjoys a standard of utilities supply rated among the best in the world.

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 19,600 kilometres of cable circuits, 30,600 megavolt-amperes of transformer capacity and 6,440 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. It 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 4,499 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 2,183 kilometres of gas mains in use. Kallang Gasworks will be replaced by a new gasworks at Senoko. The Senoko Gasworks will be completed by end 1996. It will have a total installed gas production capacity of 1.6 million cubic metres per day.

7.1 ELECTRICITY GENERATION AND SALES, 1984-1994

Year	Generation	Sales					Number of Customers (End of Period)
		Total	Domestic	Manufacturing	Other Industries	Export	
	Million Kilowatt Hours						
1984	9,452	8,399	1,336	3,927	3,063	73	670,736
1985	9,917	8,871	1,462	4,019	3,340	50	712,450
1986	10,577	9,476	1,565	4,268	3,643	-	731,163
1987	11,814	10,617	1,729	4,844	4,044	-	750,860
1988	13,018	11,735	1,864	5,472	4,399	-	783,970
1989	14,039	12,688	1,946	6,054	4,688	-	804,629
1990	15,618	14,194	2,392	6,739	5,063	-	821,846
1991	16,597	15,089	2,658	7,079	5,352	-	838,167
1992	17,543	15,948	2,888	7,305	5,755	-	863,510
1993	18,962	17,194	3,124	7,793	6,225	52	890,995
1994	20,676	18,901	3,466	8,528	6,817	91	920,388

Source : Public Utilities Board

7.2 WATER TREATMENT AND SALES, 1984-1994

Year	Treatment	Sales						Number of Customers (End of Period)
		Total	Domestic	Shipping	Commerce & Industry	Government & Statutory Boards	Johore	
	Thousand Cubic Metres							
1984	359,663	317,942	136,218	2,587	94,889	31,618	52,631	636,651
1985	366,215	322,678	141,707	2,162	89,407	32,668	56,735	680,767
1986	366,025	324,664	144,548	2,164	87,300	32,481	58,172	698,667
1987	378,060	334,680	151,773	1,857	95,084	33,285	52,681	716,252
1988	389,488	344,074	159,658	2,454	99,319	35,504	47,140	748,036
1989	400,114	355,636	165,439	2,682	107,134	34,869	45,511	765,801
1990	415,129	374,222	177,343	2,915	113,148	29,392	51,424	782,555
1991	434,067	399,013	187,659	3,069	117,812	26,628	63,845	799,049
1992	451,126	419,566	197,369	3,011	125,197	27,719	66,271	823,229
1993	465,429	433,940	205,251	2,982	134,376	28,131	63,201	848,758
1994	487,385	455,866	215,841	3,471	145,984	29,617	60,953	876,708

Source : Public Utilities Board

7.3 GAS PRODUCTION AND SALES, 1984-1994

Year	Production	Sales				Number of Customers (End of Period)
		Total	Domestic		Non-domestic	
			Public Housing	Others		
	Million Kilowatt Hours Equivalent					
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
1994	1,087.0	1,053.6	335.5	45.9	672.2	294,865

Source : Public Utilities Board

8 CONSTRUCTION, REAL ESTATE AND HOUSING

8 CONSTRUCTION, REAL ESTATE AND HOUSING

Construction and Real Estate

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.

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 the 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 construction and real estate statistics may be obtained from the "URA Real Estate Statistics Series, Potential Supply", "URA Real Estate Statistics Series, Prices & Rental Indices", and "URA Real Estate Statistics Series, Stock and Occupancy" 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 25,987 flats were completed in 1994 to meet the demand for public housing. HDB will be building 28,000 to 36,000 new flats a year over the next three years. With 86% of Singapore's population living in HDB flats, HDB also concentrates on improving the quality of public housing through better planning and design, 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 are carried out within the flat, in common areas within the block, and in areas outside the apartment block. The construction works for six demonstration precincts commenced in February/March 1993 and will be completed in 1995. 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 construction works for the first batch commenced in August 1994. Up to the end of 1994, a total of five batches, consisting of 27 precincts, have

been announced under the steady phase of the programme.

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, 43 land parcels in HDB new towns were sold for residential development between 1989 and 1994. During the same period, 23 parcels of land were sold for commercial development.

8.1 PLANNING APPROVALS BY TYPE OF DEVELOPMENT IN THE PUBLIC SECTOR, 1984-1994

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
	Number										
Total	126	128	133	81	73	76	76	86	94	102	118
Residential	27	21	36	25	8	14	21	21	39	37	39
Commercial	9	4	10	3	4	5	8	5	9	6	5
Industrial	3	1	-	3	6	8	7	14	12	9	11
Others	87	102	87	50	55	49	40	46	34	50	63
	Gross Floor Area (Thousand Square Metres)										
Total	5,964	6,087	7,164	5,301	2,455	1,632	2,749	3,284	5,802	4,190	5,244
Residential	4,906	5,228	5,900	4,876	1,779	997	2,211	2,416	4,744	3,526	4,562
Commercial	242	131	178	77	27	63	61	21	119	78	17
Industrial	124	309	-	33	134	181	105	382	436	144	153
Others	693	420	1,086	315	515	392	373	465	504	442	513

Note : Figures refer to erections of new buildings only.

Source : Urban Redevelopment Authority
with effect from September 1989

8.2 PLANNING APPROVALS BY TYPE OF DEVELOPMENT IN THE PRIVATE SECTOR, 1984-1994

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Total	Number										
	806	468	454	637	718	811	797	695	830	842	991
	538	290	295	463	477	531	569	504	636	645	760
	47	28	26	27	47	49	44	47	53	52	73
	168	110	91	104	152	206	151	131	121	97	126
	53	40	42	43	42	25	33	13	20	48	32
Total	Gross Floor Area (Thousand Square Metres)										
	2,828	1,569	1,327	2,068	2,434	3,377	3,518	3,894	3,756	3,971	4,318
	1,492	635	662	963	1,581	1,358	1,582	1,379	2,358	1,875	2,359
	533	272	88	112	228	667	678	1,401	346	697	721
	690	578	510	758	461	1,175	999	1,077	1,018	936	1,145
	114	85	68	235	164	177	259	37	35	464	93

Note : Figures refer to erections of new buildings only.

Source : Urban Redevelopment Authority
with effect from September 1989

8.3 COMMENCEMENT OF BUILDING CONSTRUCTION BY TYPE OF DEVELOPMENT IN THE PUBLIC SECTOR, 1984-1994

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Total	Number										
	182	195	152	112	105	91	121	137	136	119	129
	96	89	77	50	27	30	44	64	75	62	58
	11	9	8	2	9	7	4	9	15	8	6
	3	-	-	4	9	5	19	13	7	15	20
	72	97	67	56	60	49	54	51	39	34	45
Total	Gross Floor Area (Thousand Square Metres)										
	6,168	5,070	4,752	2,544	2,242	2,297	4,073	5,121	5,728	5,046	4,843
	5,141	4,462	4,052	2,088	1,692	1,787	3,126	3,877	4,702	4,492	4,210
	217	129	70	2	18	119	14	107	125	66	28
	44	-	-	35	167	75	416	534	114	181	294
	767	478	630	418	364	317	516	603	787	308	313

Note : Figures refer to erections of new buildings only.

Source : Urban Redevelopment Authority
with effect from September 1989

8.4 COMMENCEMENT OF BUILDING CONSTRUCTION BY TYPE OF DEVELOPMENT IN THE PRIVATE SECTOR, 1984-1994

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
	Number										
Total	599	383	293	475	724	711	685	647	687	859	1,043
Residential	370	244	171	321	491	431	461	443	502	653	766
Commercial	38	27	23	27	35	51	53	42	59	48	90
Industrial	140	81	61	93	149	196	142	139	108	118	143
Others	51	31	38	34	49	33	29	23	18	40	44
	Gross Floor Area (Thousand Square Metres)										
Total	1,838	993	577	1,655	1,895	4,176	2,993	3,111	3,100	3,994	4,647
Residential	716	483	237	747	1,088	1,418	852	1,313	1,782	2,184	2,549
Commercial	434	216	61	113	162	1,299	1,177	666	424	279	607
Industrial	565	244	242	555	558	1,087	849	938	786	1,421	1,305
Others	124	50	38	241	87	372	116	195	108	109	186

Note : Figures refer to erections of new buildings only.

Source : Urban Redevelopment Authority
with effect from September 1989

8.5 PUBLIC SECTOR CONSTRUCTION PROJECTS COMPLETED BY TYPE OF DEVELOPMENT, 1984-1994

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	
Number												
	Total	308	247	203	165	140	104	99	97	98	99	94
	Residential	173	136	93	86	78	48	31	25	51	39	48
	Commercial	20	9	11	8	7	5	7	6	5	5	8
	Industrial	20	11	3	-	5	4	7	15	9	9	12
Others	95	91	96	71	50	47	54	51	33	46	26	
Gross Floor Area (Thousand Square Metres)												
	Total	11,646	8,530	6,215	5,492	5,038	2,387	2,573	2,250	3,979	3,397	3,428
	Residential	9,959	7,512	5,100	4,480	4,400	2,010	1,670	1,679	3,340	2,541	2,655
	Commercial	463	272	269	212	121	30	35	82	50	17	97
	Industrial	581	348	44	-	60	96	92	270	171	259	331
Others	643	399	803	799	458	251	776	218	418	580	346	

Note : Figures refer to erections of new buildings only.

Source : Urban Redevelopment Authority
with effect from September 1989

8.6 PRIVATE SECTOR CONSTRUCTION PROJECTS COMPLETED BY TYPE OF DEVELOPMENT, 1984-1994

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	
	Number											
	Total	622	631	467	401	404	523	612	621	593	630	747
	Residential	345	417	311	241	252	351	413	417	391	445	561
	Commercial	67	39	48	31	28	37	39	32	43	50	43
	Industrial	171	137	77	87	91	116	132	155	133	109	112
	Others	39	38	31	42	33	19	28	17	26	26	31
	Gross Floor Area (Thousand Square Metres)											
	Total	3,244	2,799	2,750	1,565	1,235	1,652	2,146	2,013	2,602	3,109	2,784
	Residential	1,235	1,687	1,131	581	430	851	959	878	876	1,409	1,344
	Commercial	1,036	453	1,169	603	230	254	361	257	619	878	479
	Industrial	894	595	403	318	525	506	768	840	905	691	786
	Others	78	65	46	63	50	41	57	39	202	131	175

Note : Figures refer to erections of new buildings only.

Source : Urban Redevelopment Authority
with effect from September 1989

8.7 BUILDING PLAN APPROVALS BY TYPE OF DEVELOPMENT IN THE PRIVATE SECTOR, 1984-1994

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Total	Number										
	717	535	335	396	667	735	690	641	623	716	970
	458	347	203	264	458	483	459	431	448	533	755
	53	31	27	22	36	42	42	54	56	52	60
	153	116	70	75	129	178	157	129	110	99	114
	53	41	35	35	44	32	32	27	9	32	41
Total	Gross Floor Area (Thousand Square Metres)										
	2,720	1,867	804	1,069	1,765	2,671	2,494	3,552	2,888	3,157	4,101
	1,102	854	455	502	951	1,108	1,164	1,031	1,365	1,762	2,391
	799	575	61	113	138	372	508	1,460	674	491	367
	621	380	224	334	559	1,003	637	939	769	808	1,196
	198	59	64	120	118	188	186	122	81	96	146

Note : Figures refer to erections of new buildings only.

Source : Urban Redevelopment Authority
with effect from September 1989

8.8 RESIDENTIAL UNITS IN THE PUBLIC SECTOR BY TYPE OF BUILDING AND STAGE OF DEVELOPMENT, 1984-1994

											Number
	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994 ^P
Total Detached Terrace Flats Others	Planning Approval Stage										
	39,018	33,339	38,536	30,283	10,623	5,710	11,849	12,361	24,776	19,207	30,002
	-	-	-	-	-	-	-	-	-	-	-
	-	-	1	-	-	6	-	-	-	-	-
	38,922	33,319	37,705	29,982	10,623	5,704	11,849	12,361	24,776	19,207	30,002
	96	20	830	301	-	-	-	-	-	-	-
	Building of Commencement Stage										
	39,676	31,854	26,584	13,083	10,631	10,885	16,146	20,136	24,951	25,626	28,421
	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	4	-	-	-	-
Total Detached Terrace Flats Others	39,676	31,834	26,584	13,083	10,631	10,885	16,142	20,136	24,951	25,626	28,421
	-	20	-	-	-	-	-	-	-	-	-
	Building Completion Stage										
	78,288	59,633	38,519	32,859	29,149	12,328	10,562	10,348	18,165	12,978	15,670
	16	-	-	-	-	-	-	-	-	-	-
	12	-	-	-	-	-	-	-	4	-	-
	78,244	59,633	38,403	32,859	28,319	12,328	10,562	10,348	18,161	12,978	15,670
	16	-	116	-	830	-	-	-	-	-	-

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

Source : Urban Redevelopment Authority
with effect from September 1989

8.9 RESIDENTIAL UNITS IN THE PRIVATE SECTOR BY TYPE OF BUILDING AND STAGE OF DEVELOPMENT, 1984-1994

											Number
	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994 ^P
Planning Approval Stage											
Total	6,484	2,535	2,848	3,984	6,676	5,383	6,538	5,566	10,512	10,073	13,989
Detached	289	174	137	202	234	201	191	175	244	279	386
Semi-detached	912	192	290	457	396	451	312	276	594	505	937
Terrace	1,396	384	765	1,562	2,119	1,374	1,012	721	834	533	1,725
Flats	3,883	1,785	1,649	1,752	3,926	1,298	1,486	1,231	2,330	2,797	2,583
Condominium						2,059	3,537	3,163	6,510	5,959	8,358
Others	4	-	7	11	1	-	-	-	-	-	-
Building Plan Approval Stage											
Total	4,461	3,777	2,074	2,051	3,988	4,769	4,570	4,327	6,714	9,266	13,319
Detached	273	165	75	126	173	194	156	149	167	211	355
Semi-detached	477	528	235	336	382	321	368	251	397	433	682
Terrace	663	824	504	655	1,802	1,233	1,359	759	869	328	1,485
Flats	3,045	2,259	1,253	934	1,629	716	1,306	959	1,231	2,459	1,646
Condominium						2,305	1,381	2,209	4,050	5,835	9,151
Others	3	1	7	-	2	-	-	-	-	-	-
Building of Commencement Stage											
Total	2,929	2,107	991	3,246	4,720	5,669	3,346	6,616	8,411	10,640	14,282
Detached	211	107	53	108	217	153	155	154	200	290	426
Semi-detached	430	420	183	461	350	336	387	261	375	532	1,060
Terrace	504	544	422	1,225	1,654	1,620	744	810	573	1,018	1,624
Flats	1,781	1,035	326	1,451	2,498	1,149	1,270	1,325	1,260	2,011	2,575
Condominium						2,411	790	4,066	6,003	6,789	8,597
Others	3	1	7	1	1	-	-	-	-	-	-
Building Completion Stage											
Total	5,441	7,388	5,173	2,295	1,705	3,741	3,647	3,520	3,595	5,920	7,023
Detached	144	179	109	157	85	135	168	145	121	157	215
Semi-detached	290	377	385	275	345	376	348	347	282	528	393
Terrace	365	674	365	457	625	882	1,227	1,426	869	1,278	699
Flats	4,595	6,150	4,312	1,393	650	575	675	868	793	1,479	1,015
Condominium						1,773	1,229	734	1,530	2,478	4,701
Others	47	8	2	13	-	-	-	-	-	-	-

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

Source : Urban Redevelopment Authority
with effect from September 1989

8.10 PROPERTIES UNDER THE MANAGEMENT OF HOUSING AND DEVELOPMENT BOARD, 1984-1994

Number

End of Year	Residential								Shops ³
	Total	1-room	2-room	3-room	4-room	5-room	Executive ¹	HUDC ²	
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
1994	676,558	26,769	36,127	242,128	224,417	100,899	40,754	5,464	30,914

Source : Housing & Development Board

1 From 1987, figures include multi-generation flats.

2 From 1989, figures include landed properties.

3 Include industrial units.

4 From 1992, figures exclude 97 sold industrial units.

8.11 RESIDENTIAL UNITS CONSTRUCTED AND SOLD BY HOUSING AND DEVELOPMENT BOARD, 1984-1994

Year	Flats Constructed	Flats Sold Under 'Home Ownership Scheme' ¹	Percentage of Population Living in Public Flats ³ (End of Period)
	Number		
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	17,888	19,030	87
1994	25,987	23,769 ⁵	86

- 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.
5 Exclude 243 repurchased flats.

Source : Housing & Development Board

8.12 CONTRACTS AWARDED BY SECTOR AND TYPE OF WORK, 1984-1994

Million Dollars

Sector / Type of Work	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994 ^P
Total	6,963	4,836	3,898	4,040	3,391	5,501	8,034	7,874	12,832	10,587	11,679
Private Sector	1,494	684	385	1,265	1,587	2,690	4,338	4,020	6,771	4,376	6,036
Building Work	1,494	684	381	1,255	1,450	2,655	4,275	4,005	6,692	4,312	5,895
Residential	627	354	155	573	813	842	1,241	1,147	1,968	1,812	2,839
Commerical	386	121	51	89	223	903	1,931	1,715	3,237	999	1,258
Industrial	413	152	124	504	339	729	767	1,024	1,346	1,205	1,525
Others	67	57	52	89	76	182	337	119	141	296	274
Civil Engineering Work	-	-	4	9	137	35	62	15	79	64	141
Public Sector	5,469	4,152	3,513	2,776	1,804	2,811	3,697	3,854	6,061	6,211	5,643
Building Work	3,189	2,188	1,892	1,648	1,260	1,641	2,564	2,593	4,346	4,377	4,756
Residential	2,094	1,319	1,338	1,066	773	895	1,454	1,538	3,204	2,827	3,044
Commerical	127	103	55	56	33	64	120	59	239	265	161
Industrial	42	9	11	37	72	165	238	197	196	229	334
Others	926	758	489	489	382	518	752	799	707	1,056	1,217
Civil Engineering Work	2,280	1,965	1,620	1,128	544	1,169	1,133	1,261	1,716	1,834	887

Source : Construction Industry Development Board
with effect from October 1993

8.13 PROGRESS PAYMENTS CERTIFIED BY SECTOR AND TYPE OF WORK, 1984-1994

Million Dollars

Sector / Type of Work	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994 ^P
Total	8,503	6,647	5,422	4,678	3,942	4,314	4,916	6,820	8,871	9,555	11,195
Private Sector	3,366	2,336	1,174	926	1,292	1,987	2,400	3,439	4,602	4,525	5,338
Building Work	3,366	2,336	1,169	910	1,237	1,788	2,326	3,337	4,506	4,443	5,192
Residential	1,324	956	439	362	514	720	822	980	1,244	1,475	1,805
Commerical	1,392	975	467	203	166	463	708	1,221	1,909	1,673	1,840
Industrial	556	349	207	280	489	526	691	953	1,137	1,019	1,049
Others	95	56	57	65	69	79	106	182	215	276	498
Civil Engineering Work	-	-	5	16	54	199	75	102	97	82	146
Public Sector	5,137	4,312	4,248	3,752	2,651	2,327	2,516	3,381	4,269	5,030	5,857
Building Work	3,943	2,935	2,244	1,749	1,448	1,467	1,624	2,203	2,840	3,787	4,139
Residential	2,802	1,877	1,397	1,114	896	798	852	1,297	1,863	2,672	2,684
Commerical	291	196	96	134	50	38	80	84	102	141	127
Industrial	162	40	10	20	45	77	200	187	212	183	193
Others	688	822	741	481	457	554	492	636	664	791	1,135
Civil Engineering Work	1,194	1,376	2,004	2,003	1,203	860	892	1,179	1,429	1,243	1,718

Source : Construction Industry Development Board
with effect from October 1993

8.14 STOCK AND OCCUPANCY OF PROPERTIES, 1990-1994
(End of Period)

Type of Property	1990		1991		1992		1993		1994	
	Available	Occupancy Rate (%)	Available	Occupancy Rate (%)	Available	Occupancy Rate (%)	Available	Occupancy Rate (%)	Available	Occupancy Rate (%)
Private Residential Units ¹ (No)	58,157	93.4	61,948	93.6	66,330	92.6	71,299	92.9	78,012	93.0
Landed	18,226	93.5	20,249	93.2	21,680	94.5	23,371	94.6	24,583	94.6
Non-Landed	39,931	93.3	41,699	93.8	44,650	91.7	47,928	92.1	53,429	92.2
Office Space ² ('000 sq m)	3,510	91.2	3,649	91.4	3,850	88.7	4,384	90.1	4,579	92.4
Private Sector	2,374	91.7	2,480	91.1	2,781	87.5	3,316	89.4	3,494	92.0
Public Sector	1,136	90.1	1,169	92.1	1,069	91.7	1,068	92.6	1,085	93.5
Shop Space ² ('000 sq m)	1,584	90.8	1,613	92.2	1,677	94.0	2,844	92.7	2,887	92.7
Private Sector	893	90.6	916	90.1	963	91.5	1,743	89.6	1,750	89.7
Public Sector	691	91.2	697	95.0	714	97.5	1,101	97.5	1,137	97.3
Factory Space ² ('000 sq m)	13,264	96.1	13,872	97.0	14,714	96.7	15,929	96.9	16,647	97.3
Private Sector	8,904	95.6	9,317	96.7	10,014	96.4	11,061	97.0	11,642	96.8
Public Sector	4,360	97.2	4,555	97.6	4,700	97.4	4,868	96.7	5,005	98.4
Warehouse Space ² ('000 sq m)	2,551	94.8	2,780	94.3	2,992	94.6	3,128	94.5	3,404	94.6
Private Sector	2,017	94.8	2,190	94.1	2,402	94.0	2,538	94.2	2,693	94.3
Public Sector	534	94.9	590	95.3	590	97.1	590	95.4	711	96.6

1 Stock refers to units completed after 1973 only.

2 Refer to nett floor area.

Source : Urban Redevelopment Authority

8.15 POTENTIAL SUPPLY OF PROPERTIES, 1990-1994
(End of Period)

Type of Property	1990	1991	1992	1993	1994
Private Residential Units (No)	39,914	42,815	52,340	69,020	79,137
Landed	9,117	9,926	12,632	15,005	17,562
Non-Landed	30,797	32,889	39,708	54,015	61,575
Office Space ¹ ('000 sq m)	2,674	3,203	2,638	2,199	2,554
Private Sector	2,158	2,416	1,954	1,617	1,890
Public Sector	516	787	683	582	664
Shop Space ¹ ('000 sq m)	1,222	1,404	1,369	1,454	1,243
Private Sector	1,033	1,266	1,217	1,261	1,071
Public Sector	189	139	152	193	172
Factory Space ¹ ('000 sq m)	3,564	3,662	3,858	4,653	4,989
Private Sector	2,344	2,504	2,746	3,908	4,159
Public Sector	1,221	1,158	1,112	745	830
Warehouse Space ¹ ('000 sq m)	1,028	1,131	905	874	1,258
Private Sector	648	893	672	776	1,001
Public Sector	379	238	233	98	257

Note : The potential supply of properties covers all developments under construction as well as those which have yet to commence construction.

Source : Urban Redevelopment Authority

¹ Refer to gross floor area.

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, when 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 to obtain separate data for each individual branch.

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 initiated in 1985. The survey covers a sample of retail and catering establishments. Retail establishments are defined as those selling merchandise directly to the

consumers. Catering establishments 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, data on turnover of food and beverages obtained from 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. 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, 1989-1993

Year	Establishments	Employment	Remuneration	Turnover	Operating Expenditure	Operating Surplus	Value Added
	Number		Million Dollars				
1989 1990 1991 1992 1993 ^p	Total						
	43,455	265,329	4,219	137,901	133,787	4,822	9,290
	43,277	279,800	5,111	183,930	178,581	6,187	11,646
	44,679	288,183	5,881	214,597	209,318	6,224	12,459
	46,750	307,703	6,811	243,851	239,513	5,452	12,668
	50,810	348,926	8,477	293,414	289,935	5,810	14,244
	Wholesale Trade						
	21,576	123,560	2,735	117,921	115,156	3,183	5,987
	22,439	136,133	3,383	162,966	159,022	4,445	7,920
	23,575	145,847	4,002	192,841	188,757	4,675	8,798
	25,299	157,879	4,721	219,820	216,813	3,725	8,572
	28,056	187,773	5,990	265,197	263,413	3,808	9,387
	Retail Trade						
	18,638	74,815	713	16,532	15,625	1,013	1,832
	17,708	74,875	808	16,890	16,032	978	1,917
	17,832	75,015	894	17,541	16,871	791	1,802
	18,150	77,896	1,004	19,427	18,692	881	2,030
	19,221	81,845	1,170	22,761	21,640	1,118	2,507
	Hotels and Catering						
	3,241	66,954	771	3,448	3,006	626	1,471
3,130	68,792	920	4,074	3,527	764	1,809	
3,272	67,321	984	4,215	3,690	758	1,858	
3,301	71,928	1,086	4,604	4,008	846	2,066	
3,533	79,308	1,317	5,456	4,882	884	2,350	

9.2 SELECTED AVERAGES AND RATIOS IN THE COMMERCE SECTOR, 1989-1993

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							
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	5,216	117	271	41	2.2	2.8	53.8
1993 ^P	5,775	114	280	41	2.0	2.9	59.5
Wholesale Trade							
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	8,689	147	339	54	1.7	2.2	55.1
1993 ^P	9,452	136	335	50	1.4	2.3	63.8
Retail Trade							
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	1,070	49	112	26	4.5	5.4	49.4
1993 ^P	1,184	58	130	31	4.9	5.4	46.7
Hotels & Catering							
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	1,395	256	626	29	18.4	27.1	52.6
1993 ^P	1,544	250	665	30	16.2	27.0	56.0

9.3 PRINCIPAL STATISTICS OF THE SERVICES SECTOR BY INDUSTRY, 1989-1993

Year	Establishments	Employment	Remuneration	Operating Receipts	Operating Expenditure	Operating Surplus	Value Added	
	Number		Million Dollars					
	Transport, Storage and Communication Services							
	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	6,654	102,064	3,090	21,540	17,246	5,773	9,232
	1993 ^p	7,004	109,392	3,505	24,448	19,438	6,685	10,568
	Financial and Insurance Services ¹							
	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	3,371	12,198	506	11,336	6,387	5,064	1,036
	1993 ^p	3,678	13,826	607	15,784	6,415	9,511	1,274
	Real Estate and Business Services							
	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	12,253	96,375	3,005	19,753	15,578	4,841	8,436	
1993 ^p	13,341	104,169	3,473	24,215	19,551	5,436	9,505	
	Community, Social and Personal Services							
	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	10,121	69,620	1,408	5,149	4,719	695	2,786
	1993 ^p	10,091	72,173	1,579	5,751	5,222	836	3,194
	Non-profit Organisations ²							
	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	4,979	44,313	1,380	1,280	3,289	208	1,661
	1993 ^p	5,230	48,413	1,692	1,866	4,126	256	2,003

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

² Data exclude mutual benefit organisations, citizens' consultative committees & residents' committees.

9.4 SELECTED AVERAGES AND RATIOS IN THE SERVICES SECTOR, 1989-1993
(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						
Thousand Dollars					Per Cent		
Total							
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	1,783	505	663	77	28.3	18.2	37.3
1993 ^P	1,832	576	675	76	31.5	19.8	40.9
Transport, Storage & Communication Services							
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	3,237	868	1,387	90	26.8	17.9	33.5
1993 ^P	3,491	954	1,509	97	27.3	18.0	33.2
Financial & Insurance Services ¹							
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	3,363	1,502	307	85	44.8	7.9	48.8
1993 ^P	4,291	2,586	346	92	60.3	9.5	47.6
Real Estate & Business Services							
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	1,612	395	689	88	24.5	19.3	35.6
1993 ^P	1,815	407	712	91	22.4	17.8	36.5
Community, Social & Personal Services							
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	509	69	275	40	13.5	29.8	50.5
1993 ^P	570	83	317	44	14.5	30.2	49.4

¹ Data exclude establishments within the purview of MAS.

9.5 RETAIL SALES INDEX, 1986-1994
(1991 = 100)

	Total	Total (excl Motor Vehicles)	Textiles & Personal Effects	Furniture & Household Equipment	Motor Vehicles	Petrol Service Stations	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								
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	119.9	107.1	106.5	104.4	173.7	109.3	112.3	100.1	107.3
1994 ^P	122.1	110.8	107.3	106.5	169.9	110.1	122.3	102.0	110.7
	At Constant Prices								
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	115.4	106.4	108.2	104.4	153.2	111.6	108.9	95.8	107.0
1994 ^P	113.0	107.7	106.8	102.6	135.2	113.2	115.8	94.3	109.0

9.6 SALES INDEX OF CATERING TRADE, 1986-1994
(1991 = 100)

Period \ Weights	Total	Restaurants	Fast Food Outlets	Other Eating Places
	1,000	411	134	455
At Current Prices				
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	114.3	114.0	126.9	111.0
1994 ^p	119.9	120.9	142.8	112.2
At Constant Prices				
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	109.9	108.8	121.5	107.6
1994 ^p	110.9	111.1	133.7	103.9

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 except hawker stalls.

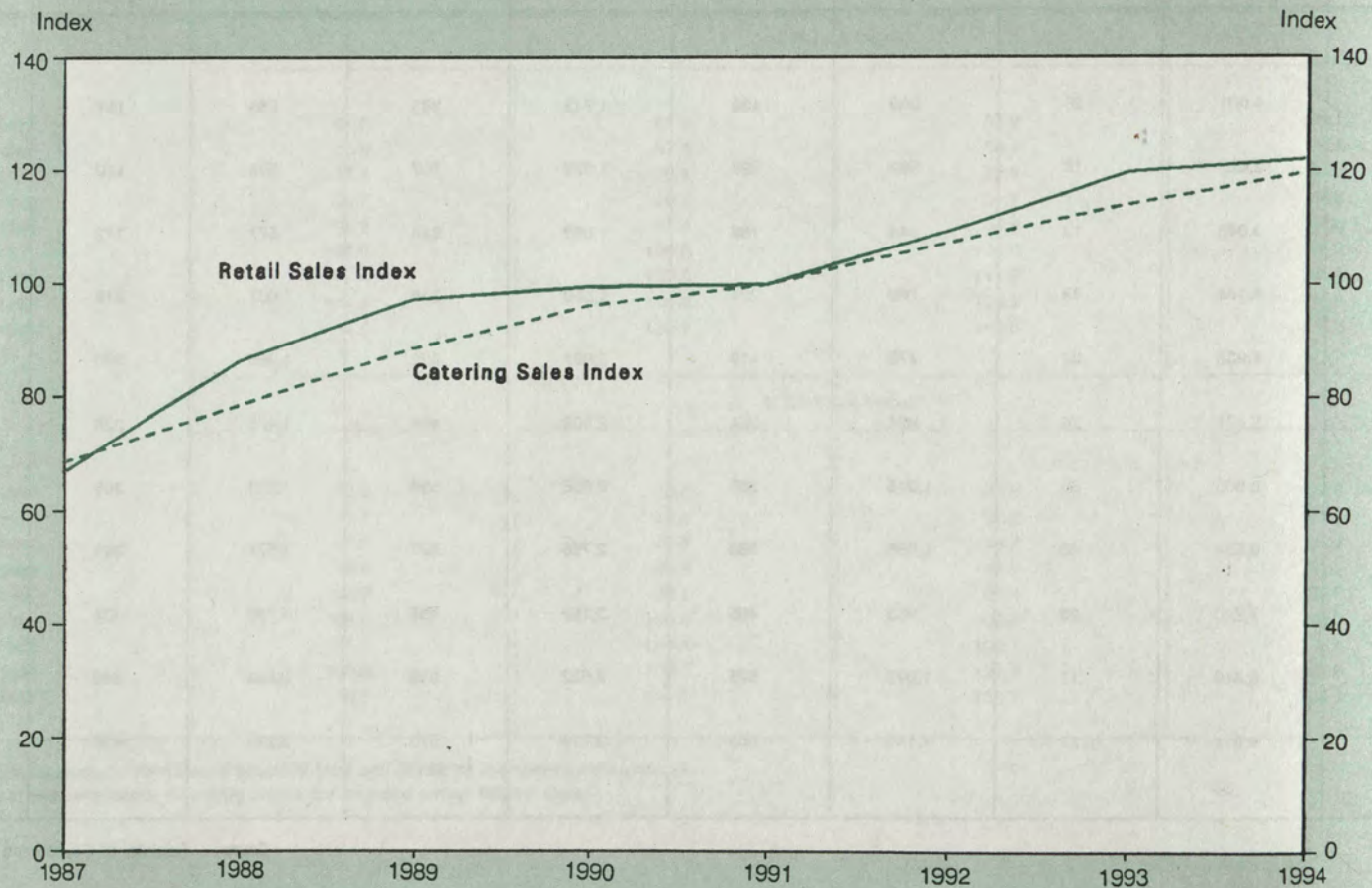
9.7 NEW COMPANIES FORMED BY INDUSTRY, 1984-1994

Period	Total	Agriculture, Fishing, Mining & Quarrying	Manufacturing	Construction	Commerce	Transport & Communications	Financial & Business Services	Other Services	Number
									Not Stated
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	-
1994	9,811	27	1,140	553	3,719	573	3,275	450	74

Source : Registry of Companies and Businesses

CHART 7

SALES INDICES OF RETAIL AND CATERING TRADE, 1987-1994 (At Current Prices) (1991 = 100)



10 EXTERNAL TRADE

The Department of Statistics is responsible for the collection and compilation of statistics on external trade. The statistics are compiled on a monthly basis and are published in the External Trade Statistics Bulletin. The statistics are also published in the Annual Report of the Department of Statistics.

(iv) Exports of merchandise (including goods, services and other intangible products) to other countries.

(v) Goods imported and exported by or on behalf of diplomatic missions and consular offices.

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(i) Imports of goods from other countries.

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Sources of Data

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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 \$400;
- (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's 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, 1984-1994

Million Dollars

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Total Trade Exports Oil Non-oil Domestic Exports Oil Non-oil Re-exports Imports Oil Non-oil	At Current Prices										
	112,474	107,996	104,531	128,681	167,278	183,980	205,012	216,074	220,881	257,076	303,723
	51,340	50,179	48,986	60,266	79,051	87,117	95,206	101,880	103,351	119,473	147,327
	16,179	16,452	12,361	12,198	12,353	13,443	17,295	17,371	13,510	14,612	14,075
	35,161	33,727	36,624	48,068	66,699	73,674	77,911	84,509	89,841	104,862	133,252
	33,051	32,576	32,062	39,071	49,555	55,252	62,754	66,031	66,337	75,394	88,533
	15,744	15,840	11,980	11,754	11,341	13,224	17,137	17,202	13,409	14,557	13,985
	17,307	16,735	20,082	27,317	38,214	42,028	45,618	48,829	52,928	60,837	74,548
	18,289	17,603	16,923	21,195	29,496	31,865	32,452	35,848	37,014	44,079	58,794
	61,134	57,818	55,545	68,415	88,227	96,864	109,806	114,195	117,530	137,603	156,396
	16,961	17,031	10,995	12,526	12,422	13,408	17,399	16,050	14,987	14,912	13,788
	44,172	40,787	44,551	55,890	75,805	83,456	92,407	98,145	102,543	122,691	142,608
	At 1990 Prices										
	102,600	99,885	112,274	127,982	166,848	182,447	205,012	224,941	240,303	284,346	343,485
	45,221	45,024	51,903	59,873	79,297	86,858	95,206	107,014	114,669	134,884	172,097
	11,479	11,892	15,781	13,636	16,565	16,053	17,295	19,682	17,465	20,114	22,360
	33,742	33,132	36,123	46,237	62,732	70,806	77,911	87,332	97,204	114,770	149,737
	27,494	27,203	34,504	39,209	51,732	56,397	62,754	70,535	76,035	88,719	109,988
	11,171	11,471	15,289	13,176	15,240	15,793	17,137	19,490	17,341	20,036	22,230
	16,322	15,732	19,215	26,033	36,492	40,604	45,618	51,045	58,694	68,682	87,758
	17,727	17,821	17,399	20,664	27,566	30,462	32,452	36,478	38,634	46,165	62,109
	57,379	54,861	60,371	68,109	87,550	95,589	109,806	117,927	125,633	149,462	171,388
	11,975	11,682	14,420	13,013	16,505	15,579	17,399	18,043	18,467	20,792	20,315
	45,404	43,180	45,951	55,096	71,046	80,010	92,407	99,884	107,167	128,670	151,073

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

Source : Trade Development Board
with effect from April 1987

10.2 TOTAL TRADE BY COUNTRY/AREA, 1984-1994

Million Dollars

Country/Area	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Total	112,474	107,996	104,531	128,681	167,278	183,980	205,012	216,074	220,881	257,076	303,723
America	21,181	21,295	21,698	27,086	35,955	40,529	41,953	42,739	45,429	51,398	56,712
Brazil	332	302	287	383	691	696	668	693	610	961	906
Canada	704	553	591	839	1,252	1,290	1,466	1,473	1,289	1,320	1,548
United States ¹	19,215	19,394	19,751	24,731	32,544	36,896	37,826	38,133	41,119	46,652	51,539
Asia	70,332	65,481	62,374	76,693	98,529	106,568	120,069	129,810	129,608	155,990	190,039
Bahrain	528	277	459	579	553	470	524	406	320	258	196
Bangladesh	617	717	536	550	659	673	797	721	587	614	708
Brunei	1,043	1,175	982	984	1,058	1,049	1,211	1,277	1,513	1,374	1,565
China, Peo Rep	3,400	5,702	4,353	4,523	5,754	5,645	5,217	5,324	5,479	6,945	7,619
Hong Kong	4,458	4,280	4,493	5,617	7,375	8,244	9,551	10,780	11,668	14,703	18,100
India	884	1,558	1,376	1,696	2,014	2,416	2,667	2,450	2,392	2,613	3,136
Iran (Islamic Rep)	1,458	3,348	2,826	1,126	1,020	958	1,058	1,124	1,130	1,205	999
Japan	16,025	14,592	15,257	19,479	26,192	28,117	30,448	33,206	32,610	39,032	44,765
Korea, Rep of	1,598	1,550	1,992	2,832	4,094	4,584	5,326	5,649	6,194	7,754	9,856
Kuwait	2,193	1,252	2,183	1,680	1,095	1,301	940	95	689	1,228	1,303
Malaysia	17,504	16,088	14,647	18,037	23,650	24,699	27,412	32,619	30,213	39,612	54,690
Pakistan	516	593	308	359	414	460	655	640	564	530	574
Philippines	836	916	941	1,253	1,573	1,825	1,783	1,651	1,834	3,027	3,604
Saudi Arabia	7,051	2,623	1,853	3,414	4,429	5,134	6,362	6,647	6,690	5,982	6,110
Sri Lanka	405	520	414	460	555	508	460	479	602	567	603
Taiwan	2,827	2,777	3,341	4,780	6,232	6,995	8,099	8,302	8,909	10,099	11,958
Thailand	3,809	3,289	3,395	4,690	6,698	7,249	9,284	10,029	10,807	12,481	15,657
United Arab Emirates	1,850	1,984	1,079	1,567	1,797	2,370	3,486	3,256	2,145	2,554	2,552
Europe	14,320	14,508	14,608	18,862	25,275	28,719	34,064	34,302	36,619	39,814	46,361
France	1,660	2,092	1,685	2,336	2,899	3,537	4,202	4,123	4,509	4,890	5,317
Germany, Fed Rep	2,894	2,700	3,368	4,312	6,013	6,704	7,723	7,912	8,228	8,950	10,499
Italy	1,437	1,379	1,239	1,617	2,460	2,748	2,993	2,535	3,153	2,885	3,259
Netherlands	1,121	1,189	1,248	1,628	2,045	2,312	2,998	3,624	4,297	4,375	5,569
Switzerland	555	516	642	852	1,188	1,264	1,724	1,825	1,864	2,192	2,479
United Kingdom	2,969	3,067	3,170	3,888	4,864	5,643	6,407	6,367	6,284	7,168	8,311
CIS	847	561	362	478	446	629	770	872	836	1,156	1,551
Oceania	4,727	4,901	3,723	4,097	5,095	5,580	6,132	6,280	6,150	6,608	7,479
Australia ²	3,279	3,185	2,484	2,963	3,886	4,188	4,464	4,666	4,454	5,086	5,883
New Zealand	622	858	544	460	576	529	616	602	780	656	773
Africa	1,915	1,811	2,127	1,943	2,424	2,584	2,794	2,943	3,076	3,266	3,132

Notes : With effect from October 1990, trade with The Federal Republic of Germany and Democratic Republic of Germany has been merged and published under The Republic of Germany.

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

1 Prior to 1986, USA included Puerto Rico.

2 Prior to 1989, Australia included Christmas Island.

Source : Trade Development Board
with effect from April 1987

10.3 IMPORTS BY COUNTRY/AREA, 1984-1994

Million Dollars

Country/Area	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Total	61,134	57,818	55,545	68,415	88,227	96,864	109,806	114,195	117,530	137,603	156,396
America	9,606	9,289	8,925	10,847	15,191	18,280	19,564	20,144	21,159	24,168	25,923
Brazil	186	164	143	225	464	511	539	502	417	487	538
Canada	318	195	225	355	536	515	649	693	536	545	634
United States ¹	8,923	8,775	8,314	10,057	13,718	16,605	17,581	18,030	19,341	22,360	23,902
Asia	41,559	38,188	36,654	45,392	57,244	60,902	69,551	73,779	74,822	89,837	103,135
Bahrain	455	197	411	520	487	413	481	349	239	205	150
Bangladesh	43	52	29	90	93	80	83	94	47	54	50
Brunei	415	537	298	277	225	146	234	321	433	350	319
China, Peo Rep	2,881	4,972	3,110	2,976	3,386	3,311	3,773	3,839	3,668	3,877	4,412
Hong Kong	1,281	1,083	1,310	1,802	2,432	2,739	3,365	3,434	3,587	4,339	5,285
India	470	489	349	526	534	592	677	723	867	1,080	1,208
Iran (Islamic Rep)	733	2,475	2,063	973	804	789	842	869	826	1,049	901
Japan	11,218	9,870	11,052	14,029	19,365	20,669	22,146	24,370	24,753	30,111	34,422
Korea, Rep of	784	930	1,289	1,837	2,542	2,899	3,218	3,241	3,869	4,429	5,986
Kuwait	1,883	984	2,098	1,558	922	1,123	843	8	554	1,106	1,171
Malaysia	9,180	8,301	7,403	9,477	12,929	12,784	14,964	17,383	17,287	22,670	25,600
Pakistan	61	60	78	83	89	123	154	188	134	107	103
Philippines	395	437	402	376	529	531	567	475	517	813	1,193
Saudi Arabia	5,688	2,034	1,369	2,836	3,873	4,658	5,863	5,864	6,018	5,359	5,607
Sri Lanka	29	95	36	61	72	62	59	80	48	64	87
Taiwan	1,998	1,922	2,244	3,144	3,997	4,373	4,678	4,681	4,721	5,458	6,018
Thailand	1,351	1,196	1,607	2,137	2,386	2,443	2,974	3,629	4,365	5,676	7,471
United Arab Emirates	1,403	1,547	688	1,129	1,274	1,751	2,677	2,220	1,092	1,454	1,335
Europe	7,768	7,957	8,127	10,135	13,082	14,907	17,510	17,066	18,293	19,718	23,623
France	1,023	1,328	972	1,416	1,586	2,167	2,646	2,933	2,927	3,131	3,318
Germany, Fed Rep	1,667	1,574	1,829	2,359	3,265	3,505	3,899	3,650	3,839	4,203	5,270
Italy	906	833	740	921	1,317	1,574	1,733	1,572	2,088	1,832	2,209
Netherlands	493	551	500	513	687	912	966	1,004	1,080	1,275	1,638
Switzerland	434	398	506	649	928	1,003	1,285	1,052	1,203	1,488	1,694
United Kingdom	1,596	1,692	1,886	2,175	2,562	2,716	3,376	3,286	3,281	3,593	4,326
CIS	86	29	78	84	186	252	173	332	263	263	287
Oceania	1,787	1,839	1,229	1,572	2,068	1,885	2,406	2,469	2,359	2,741	2,744
Australia ²	1,504	1,533	968	1,313	1,744	1,638	2,127	2,149	1,998	2,384	2,393
New Zealand	222	264	202	222	305	219	248	275	302	290	292
Africa	414	545	610	469	641	890	775	737	897	1,139	971

Note : See notes to Table 10.2

Source : Trade Development Board
with effect from April 1987

10.4 EXPORTS BY COUNTRY/AREA, 1984-1994

Million Dollars

Country/Area	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Total	51,340	50,179	48,986	60,266	79,051	87,117	95,206	101,880	103,351	119,473	147,327
America	11,575	12,006	12,773	16,239	20,764	22,250	22,389	22,596	24,270	27,230	30,789
Brazil	145	138	143	157	227	185	129	191	194	475	369
Canada	385	358	366	484	716	774	818	780	753	775	915
United States ¹	10,292	10,619	11,436	14,674	18,826	20,291	20,246	20,103	21,779	24,292	27,637
Asia	28,773	27,293	25,720	31,301	41,285	45,667	50,518	56,031	54,786	66,154	86,903
Bahrain	73	79	48	59	66	57	43	57	81	53	47
Bangladesh	574	665	506	460	566	593	714	627	541	560	658
Brunei	627	638	684	708	833	903	978	956	1,080	1,025	1,246
China, Peo Rep	519	730	1,244	1,547	2,369	2,335	1,443	1,485	1,811	3,068	3,207
Hong Kong	3,176	3,197	3,183	3,815	4,944	5,505	6,186	7,347	8,081	10,364	12,814
India	413	1,069	1,028	1,170	1,480	1,824	1,990	1,727	1,524	1,533	1,928
Iran (Islamic Rep)	725	874	764	153	216	169	216	255	305	157	98
Japan	4,807	4,722	4,204	5,449	6,828	7,448	8,302	8,836	7,857	8,921	10,343
Korea, Rep of	814	620	703	995	1,552	1,685	2,108	2,408	2,325	3,326	3,871
Kuwait	310	268	85	123	173	179	98	87	135	122	132
Malaysia	8,324	7,787	7,245	8,560	10,721	11,915	12,449	15,236	12,925	16,942	29,090
Pakistan	455	533	230	276	325	338	501	452	430	423	471
Philippines	441	479	539	877	1,045	1,294	1,215	1,176	1,317	2,214	2,411
Saudi Arabia	1,364	589	484	579	556	476	500	783	671	623	503
Sri Lanka	376	425	379	399	483	446	402	399	554	503	516
Taiwan	830	855	1,097	1,637	2,235	2,622	3,422	3,621	4,188	4,641	5,940
Thailand	2,458	2,093	1,788	2,554	4,311	4,806	6,310	6,401	6,442	6,805	8,189
United Arab Emirate	446	437	391	438	523	619	808	1,036	1,053	1,100	1,217
Europe	6,552	6,552	6,482	8,727	12,193	13,812	16,554	17,236	18,326	20,096	22,738
France	638	764	714	920	1,312	1,369	1,556	1,190	1,583	1,759	1,999
Germany, Fed Rep	1,227	1,126	1,539	1,953	2,748	3,199	3,825	4,263	4,389	4,747	5,230
Italy	532	546	499	696	1,143	1,173	1,260	963	1,065	1,053	1,050
Netherlands	629	639	748	1,114	1,357	1,400	2,033	2,620	3,217	3,100	3,931
Switzerland	122	119	136	203	260	260	439	773	661	705	785
United Kingdom	1,373	1,376	1,284	1,713	2,302	2,927	3,031	3,082	3,003	3,575	3,985
CIS	760	532	284	394	260	377	597	540	573	893	1,264
Oceania	2,940	3,062	2,494	2,525	3,027	3,695	3,725	3,811	3,791	3,868	4,736
Australia ²	1,775	1,652	1,515	1,650	2,142	2,550	2,337	2,517	2,457	2,702	3,490
New Zealand	400	594	341	239	271	310	369	326	478	366	481
Africa	1,500	1,266	1,517	1,474	1,783	1,694	2,020	2,206	2,179	2,126	2,161

Note : See notes to Table 10.2

Source : Trade Development Board
with effect from April 1987

10.5 DOMESTIC EXPORTS BY COUNTRY/AREA, 1984-1994

Country/Area	Million Dollars										
	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Total	33,051	32,576	32,062	39,071	49,555	55,252	62,754	66,031	66,337	75,394	88,533
America	8,695	8,936	10,201	13,163	16,836	17,813	18,159	18,072	19,150	21,218	23,757
Brazil	61	65	50	39	37	57	42	86	77	334	219
Canada	207	209	247	339	546	565	573	529	499	510	626
United States ¹	7,920	8,159	9,495	12,240	15,616	16,535	16,673	16,455	17,571	19,239	21,728
Asia	16,697	16,265	15,102	17,732	21,967	24,946	29,365	31,872	30,409	36,513	45,408
Bahrain	34	44	26	39	43	31	24	34	36	28	18
Bangladesh	416	486	311	273	229	201	409	402	326	340	410
Brunei	216	227	235	237	262	263	300	275	327	332	323
China, Peo Rep	194	399	858	1,059	1,351	1,537	867	880	1,028	2,197	2,089
Hong Kong	2,303	2,058	2,108	2,541	3,224	3,799	4,303	4,803	5,177	6,720	7,845
India	1,043	668	528	581	652	740	820	1,012	860	729	865
Iran (Islamic Rep)	614	742	697	82	135	61	62	120	111	82	35
Japan	3,965	3,860	3,303	4,149	4,876	5,559	6,211	6,035	5,107	5,802	6,959
Korea, Rep of	547	372	427	642	940	993	1,299	1,471	1,382	1,957	2,010
Kuwait	99	63	51	74	112	108	51	60	59	58	63
Malaysia	3,533	3,773	3,266	3,407	3,986	4,519	5,265	6,819	6,222	8,009	13,429
Pakistan	86	82	90	114	118	119	282	182	157	154	156
Philippines	217	269	316	493	492	647	675	668	657	1,173	1,280
Saudi Arabia	409	301	258	302	268	232	277	444	282	209	188
Sri Lanka	145	184	107	139	158	169	131	155	243	215	192
Taiwan	463	513	656	977	1,224	1,567	2,314	2,241	2,436	2,594	3,285
Thailand	1,726	1,424	1,197	1,759	2,753	3,277	4,583	4,488	4,162	3,975	4,115
United Arab Emirates	211	223	184	241	266	291	389	421	433	397	653
Europe	4,364	4,145	4,073	5,617	7,979	9,156	11,572	12,406	13,222	14,255	15,495
France	419	387	447	625	953	1,006	1,181	868	1,158	1,311	1,536
Germany, Fed Rep	881	798	1,073	1,330	1,848	2,321	2,817	3,142	3,411	3,468	3,388
Italy	445	456	372	516	914	934	999	713	775	710	735
Netherlands	254	371	346	698	813	771	1,320	1,921	2,481	2,363	2,946
Switzerland	76	74	81	94	146	128	268	607	506	500	436
United Kingdom	1,058	1,027	854	1,147	1,661	2,055	2,255	2,351	2,170	2,662	2,901
CIS	515	328	154	147	180	175	305	256	266	283	492
Oceania	2,306	2,476	1,923	1,826	1,952	2,543	2,644	2,559	2,545	2,385	2,856
Australia ²	1,297	1,259	1,106	1,197	1,367	1,774	1,615	1,649	1,630	1,663	2,088
New Zealand	323	511	268	150	154	186	209	195	321	185	256
Africa	990	754	764	732	822	795	1,014	1,122	1,010	1,023	1,018

Note : See notes to Table 10.2

Source : Trade Development Board
with effect from April 1987

10.6 IMPORTS BY COMMODITY, 1984-1994

Million Dollars

Commodity	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Total	61,134	57,818	55,545	68,415	88,227	96,864	109,806	114,195	117,530	137,603	156,396
Food	4,158	3,535	3,866	3,952	4,667	4,464	4,315	4,645	4,837	5,033	5,218
Cereals & Cereal Preparations	981	428	385	362	509	526	448	445	471	513	519
Fruits & Vegetables	914	899	928	971	1,151	1,077	1,102	1,263	1,249	1,279	1,224
Coffee & Spices	809	883	1,048	831	791	637	638	544	563	533	704
Beverages & Tobacco	461	501	542	595	730	1,013	1,426	1,557	1,652	2,074	2,141
Crude Materials	2,510	1,988	1,905	2,267	2,999	2,663	2,371	2,092	1,867	1,968	1,939
Rubber	1,454	1,003	903	1,159	1,698	1,267	922	779	596	508	533
Wood	296	249	272	295	311	342	353	340	306	317	344
Mineral Fuels	16,961	17,031	10,995	12,526	12,422	13,408	17,399	16,050	14,987	14,912	13,788
Petroleum & Petroleum Products	16,949	17,020	10,986	12,516	12,413	13,394	17,384	16,040	14,971	14,903	13,778
Animal & Vegetable Oils	1,436	1,381	720	792	941	924	753	849	878	834	641
Unprocessed Vegetable Oils	441	294	167	299	351	432	403	467	367	330	322
Chemicals	3,096	2,890	3,246	4,082	5,809	7,412	8,441	8,307	8,855	9,615	10,114
Chemical Compounds	859	772	880	1,079	1,546	1,583	1,780	1,905	1,935	2,047	2,302
Plastic Materials	829	721	846	1,276	2,000	1,424	1,485	1,494	1,354	1,558	1,756
Medicinal Products	222	239	285	314	367	384	361	379	441	702	799
Manufactured Goods by Material	8,045	7,082	7,614	9,537	12,994	13,785	14,168	14,998	15,046	16,013	16,523
Textile Manufactures	2,018	1,872	2,242	2,878	2,952	3,123	3,213	3,285	3,255	3,163	3,072
Non-metal Mineral Manufactures	1,281	1,014	894	1,045	1,254	1,277	1,513	1,720	1,782	1,891	2,268
Iron & Steel	1,731	1,425	1,464	1,661	2,666	3,035	3,066	3,425	3,005	3,289	3,222
Metal Manufactures	1,268	1,254	1,133	1,333	1,673	1,873	2,161	2,372	2,361	2,602	2,697
Paper & Paperboard & Related Articles	648	575	685	886	1,134	1,152	1,253	1,298	1,228	1,295	1,408
Machinery & Transport Equipment	19,420	18,317	20,781	27,534	38,299	42,838	49,065	53,433	56,331	71,916	88,306
Non-electric Machinery	7,129	6,625	7,001	9,704	14,154	16,799	20,273	21,847	22,862	27,641	32,744
Electric Machinery	8,687	8,238	10,787	14,263	19,849	19,810	22,604	25,348	26,200	35,916	47,902
Transport Equipment	3,604	3,455	2,993	3,567	4,296	6,229	6,189	6,238	7,268	8,359	7,661
Miscellaneous Manufactured Articles	4,197	4,194	4,887	6,054	7,999	8,814	10,450	10,792	11,718	13,415	15,428
Scientific & Optical Instruments	1,071	1,129	1,259	1,571	2,359	2,571	2,996	3,117	3,413	4,124	4,843
Watches & Clocks	476	425	476	596	779	874	1,171	1,053	1,072	1,221	1,412
Miscellaneous Transactions nec	850	898	991	1,078	1,367	1,545	1,420	1,473	1,359	1,823	2,298

Source : Trade Development Board
with effect from April 1987

10.7 EXPORTS BY COMMODITY, 1984-1994

Million Dollars

Commodity	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Total	51,340	50,179	48,986	60,266	79,051	87,117	95,206	101,880	103,351	119,473	147,327
Food	2,895	2,193	2,626	2,717	3,285	3,037	2,734	3,033	2,987	2,910	3,542
Cereals & Cereal Preparations	839	187	143	167	251	254	188	209	203	212	255
Fruits & Vegetables	376	366	341	364	412	390	388	436	394	450	543
Coffee & Spices	961	988	1,350	1,148	1,290	970	778	809	795	728	1,082
Beverages & Tobacco	210	241	332	387	553	886	1,388	1,841	1,969	2,389	2,448
Crude Materials	3,410	2,700	2,459	3,003	4,047	3,721	2,915	2,522	2,278	2,132	2,193
Rubber	2,138	1,496	1,341	1,544	2,291	1,909	1,425	1,110	986	808	819
Wood	365	328	380	510	563	705	491	450	412	374	319
Mineral Fuels¹	16,179	16,452	12,361	12,198	12,353	13,443	17,295	17,371	13,510	14,612	14,075
Petroleum & Petroleum Products	12,992	13,456	10,039	9,650	10,009	11,027	14,371	14,179	11,097	11,880	11,412
Animal & Vegetable Oils	1,541	1,535	880	796	886	1,016	761	722	747	610	574
Unprocessed Vegetable Oils	1,116	1,128	336	363	455	450	349	305	278	220	247
Chemicals	2,464	2,717	2,840	3,762	5,199	5,737	5,970	6,680	6,732	7,663	8,418
Chemical Compounds	882	918	986	1,253	1,670	1,921	2,109	2,537	2,572	2,613	2,884
Medicinal Products	260	298	294	305	349	360	378	381	403	1,567	1,751
Plastic Materials	486	680	733	1,175	1,846	1,485	1,451	1,703	1,382	599	753
Manufactured Goods by Material	3,625	3,598	3,633	4,523	6,529	7,084	6,651	7,320	7,115	7,756	8,856
Wood Manufactures	481	484	447	591	750	597	487	514	489	505	433
Textile Manufactures	781	777	929	1,330	1,387	1,545	1,631	1,884	1,761	1,980	2,154
Iron & Steel	462	458	433	472	721	862	790	891	846	977	1,083
Metal Manufactures	530	571	561	627	857	1,026	1,215	1,311	1,204	1,266	1,614
Machinery & Transport Equipment	16,865	16,567	18,901	26,274	37,939	43,142	47,733	51,697	56,939	69,641	94,199
Non-electric Machinery	5,764	6,012	7,420	10,754	16,355	19,939	23,058	24,999	28,575	35,214	45,096
Electric Machinery	9,252	8,855	10,158	14,035	19,415	20,472	22,223	24,542	25,553	31,284	45,949
Transport Equipment	1,849	1,701	1,323	1,484	2,168	2,731	2,452	2,156	2,811	3,142	3,154
Miscellaneous Manufactured Articles	3,408	3,378	4,042	5,556	7,111	7,815	8,500	9,229	9,593	9,768	11,185
Clothing	1,171	1,177	1,470	2,096	2,491	2,715	2,867	3,009	2,948	2,500	2,322
Scientific & Optical Instruments	594	660	755	1,045	1,558	1,730	1,953	2,178	2,351	2,721	3,288
Watches & Clocks	230	201	207	227	317	401	509	616	595	708	860
Miscellaneous Transactions nec	743	798	912	1,050	1,151	1,235	1,260	1,465	1,482	1,993	1,838

¹ Include oil bunkers.

Source : Trade Development Board
with effect from April 1987

10.8 DOMESTIC EXPORTS BY COMMODITY, 1984-1994

Million Dollars

Commodity	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Total	33,051	32,576	32,062	39,071	49,555	55,252	62,754	66,031	66,337	75,394	88,533
Food	484	478	602	731	905	1,035	958	1,125	1,165	1,078	1,169
Animal Feeding Stuffs	47	36	41	37	49	47	38	39	47	44	51
Beverages & Tobacco	102	103	122	177	249	320	386	398	461	519	529
Crude Materials¹	172	190	247	344	469	516	460	449	457	427	448
Mineral Fuels²	15,744	15,840	11,980	11,754	11,341	13,224	17,137	17,202	13,409	14,557	13,985
Oil Bunkers	2,994	2,858	2,214	2,451	2,206	2,306	2,785	3,012	2,263	2,544	2,447
Animal & Vegetable Oils	670	630	667	605	611	769	587	556	584	456	335
Chemicals	1,334	1,598	1,786	2,360	3,100	3,364	3,619	4,208	4,174	4,464	4,696
Medicinal Products	172	207	193	199	223	225	251	253	235	263	269
Plastic Materials	326	522	550	864	1,306	967	958	1,145	920	966	1,087
Manufactured Goods by Material	1,184	1,215	1,142	1,328	1,778	1,849	2,127	2,247	2,190	2,443	2,731
Wood Products excluding Furniture	252	229	169	190	243	207	195	178	144	122	110
Textile Yarn & Thread	58	43	51	70	74	68	79	81	78	150	170
Woven Textile Fabrics	49	36	47	63	85	109	114	158	128	158	140
Lime, Cement & Fabricated Construction Materials	84	63	15	22	22	27	47	35	37	29	29
Iron & Steel Pipes & Fittings	39	59	72	59	85	93	87	89	65	67	65
Machinery & Transport Equipment	10,936	10,136	12,596	17,817	26,144	29,204	32,352	34,477	38,338	46,083	59,071
Office Machines	2,169	2,516	3,907	6,400	9,719	11,799	14,520	15,194	18,065	22,083	27,961
Other Non-electric Machines	580	582	681	804	1,122	1,363	1,287	1,444	1,522	1,577	1,870
Electric Generators	1,183	1,414	1,448	1,275	1,721	1,300	1,288	1,552	1,457	1,741	2,627
Telecommunications Apparatus	2,124	2,128	2,362	3,768	5,641	6,105	6,313	6,253	5,975	6,937	9,066
Other Electric Machinery	3,203	2,358	2,864	6,772	5,101	5,490	5,599	6,545	7,246	8,887	12,495
Ships, Boats & Oil Rigs	634	103	109	195	376	231	303	274	620	931	647
Miscellaneous Manufactured Articles	2,275	2,220	2,680	3,689	4,671	4,713	4,866	5,096	5,234	4,987	5,208
Clothing	891	877	1,072	1,487	1,781	1,817	1,793	1,779	1,590	1,201	1,026
Scientific & Optical Instruments	256	291	360	523	739	645	756	909	1,022	1,145	1,262
Watches & Clocks	132	103	104	93	131	155	184	221	237	313	233
Printed Matters	120	137	188	257	314	379	439	489	573	517	612
Toys & Games	186	201	259	440	447	382	351	362	268	221	184
Miscellaneous Transactions nec	150	165	241	265	288	259	263	273	324	380	361

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, 1984-1994

Million Dollars

Year	Meat	Rice	Unmilled Cereals	Fruits & Nuts	Spices	Animal Feed	Crude Rubber	Sawn Timber	Crude Petroleum
1984	302	142	699	403	203	187	1,436	228	14,170
1985	275	109	197	411	288	118	982	192	12,850
1986	279	132	125	407	266	131	879	212	8,223
1987	324	117	115	454	247	125	1,131	262	8,544
1988	347	149	187	488	238	150	1,660	272	8,262
1989	372	153	197	485	261	131	1,216	293	9,097
1990	359	148	105	498	233	83	942	306	12,504
1991	363	139	98	562	194	92	724	311	11,465
1992	364	150	95	563	172	125	544	276	10,323
1993	365	156	84	580	171	86	453	287	10,363
1994	404	166	71	546	158	70	463	291	8,929

10.9 IMPORTS OF SPECIFIC COMMODITIES, 1984-1994 (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
1984	2,780	441	222	476	146	1,426	970	565	2,148
1985	4,170	294	239	412	141	1,352	775	435	2,063
1986	2,763	167	285	491	195	1,651	792	387	2,710
1987	3,971	299	314	661	233	2,205	1,027	356	4,359
1988	4,151	351	367	844	291	2,141	1,655	616	5,140
1989	4,297	432	384	833	346	2,227	1,648	792	4,761
1990	4,880	403	361	897	343	2,274	1,717	914	5,605
1991	4,575	467	379	911	357	2,316	1,856	1,074	6,258
1992	4,647	367	441	825	294	2,303	1,742	947	6,186
1993	4,540	330	702	816	333	2,160	2,009	802	7,298
1994	4,849	322	799	909	351	2,019	1,980	801	8,671

10.9 IMPORTS OF SPECIFIC COMMODITIES, 1984-1994 (continued)

Million Dollars

Year	Industrial Machinery	Telecommunications Apparatus	Office Machines	Motor Vehicles	Ships, Boats & Oil Rigs	Clothing	Scientific & Optical Instruments	Watches & Clocks	Toys & Games
1984	1,273	1,701	1,851	1,085	888	647	1,071	476	257
1985	1,121	1,727	1,862	760	909	654	1,129	425	222
1986	955	2,284	2,075	682	1,284	786	1,259	476	293
1987	1,218	3,160	3,201	1,103	1,105	1,072	1,571	596	333
1988	1,860	4,613	4,726	1,726	1,349	1,210	2,359	779	365
1989	2,306	5,171	6,054	2,213	1,395	1,330	2,571	874	364
1990	2,744	6,535	7,861	2,693	1,662	1,656	2,996	1,171	435
1991	2,809	7,576	8,134	2,286	1,490	1,823	3,117	1,053	448
1992	2,618	7,276	9,116	2,678	2,014	1,943	3,413	1,072	550
1993	2,775	9,611	12,160	3,344	2,098	2,174	4,124	1,221	630
1994	3,114	11,315	15,132	3,171	1,872	2,399	4,843	1,412	637

Source : Trade Development Board
with effect from April 1987

10.10 EXPORTS OF SPECIFIC COMMODITIES, 1984-1994

Million Dollars

Year	Spices	Coffee	Animal Feed	Crude Rubber	Sawn Timber	Petroleum Products	Fixed Vegetable Oils	Medicinal Products	Manufactured Fertilizers
1984	286	334	119	2,135	340	12,849	1,116	260	162
1985	305	313	84	1,492	302	13,418	1,128	298	128
1986	403	567	93	1,335	349	10,022	336	294	71
1987	382	299	98	1,535	487	9,625	363	305	82
1988	389	335	114	2,274	530	9,639	455	349	104
1989	353	131	108	1,885	659	11,027	450	360	57
1990	249	127	76	1,405	450	14,371	349	378	52
1991	224	130	80	1,089	413	14,179	305	381	48
1992	203	111	136	966	366	11,097	278	403	56
1993	208	133	111	779	343	11,880	220	599	38
1994	218	484	107	785	285	11,404	247	753	31

10.10 EXPORTS OF SPECIFIC COMMODITIES, 1984-1994 (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
1984	204	481	109	555	165	239	1,968	2,675	856
1985	201	484	105	563	167	263	2,056	3,009	861
1986	215	446	144	673	189	220	2,157	4,411	674
1987	313	589	194	998	264	175	2,606	7,049	733
1988	359	749	267	965	429	250	2,906	10,911	1,015
1989	311	597	280	1,080	463	341	2,721	13,216	1,342
1990	283	486	278	1,135	428	300	2,811	16,620	1,487
1991	254	513	297	1,376	414	404	3,372	17,652	1,637
1992	241	488	232	1,304	472	322	3,347	21,114	1,440
1993	246	504	360	1,379	562	335	3,963	26,655	1,656
1994	275	432	418	1,457	616	385	5,498	34,339	2,250

10.10 EXPORTS OF SPECIFIC COMMODITIES, 1984-1994 (continued)

Million Dollars

Year	Telecommunica- tions Apparatus	Household Equipment	Motor Vehicles	Ships, Boats & Oil Rigs	Furniture	Clothing	Scientific & Optical Instruments	Watches & Clocks	Printed Matters
1984	2,720	441	449	999	179	1,171	594	230	158
1985	2,781	423	326	426	164	1,177	660	201	180
1986	3,225	429	298	686	202	1,470	755	207	231
1987	5,200	521	382	688	263	2,096	1,045	227	306
1988	7,570	636	555	1,190	340	2,491	1,558	317	398
1989	8,465	617	789	930	378	2,715	1,730	401	439
1990	9,471	588	956	687	343	2,867	1,953	509	549
1991	9,834	628	977	558	364	3,009	2,178	616	603
1992	9,673	673	1,151	1,045	363	2,948	2,351	595	644
1993	11,560	694	1,492	1,204	358	2,500	2,721	708	600
1994	15,284	680	1,405	1,322	363	2,322	3,288	860	736

Source : Trade Development Board
with effect from April 1987

CHART 8

EXTERNAL TRADE AND TRADE BALANCE, 1984-1994

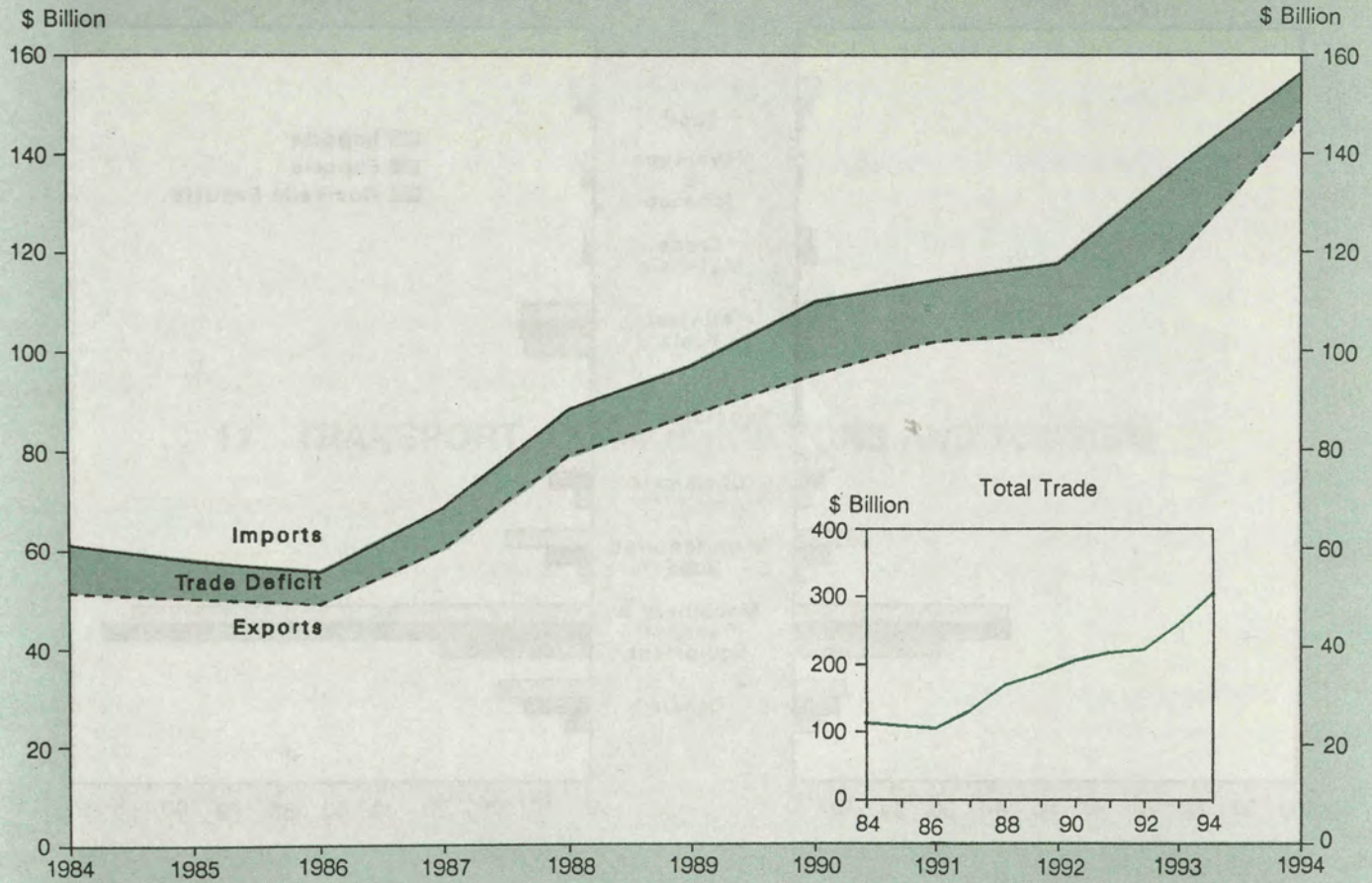
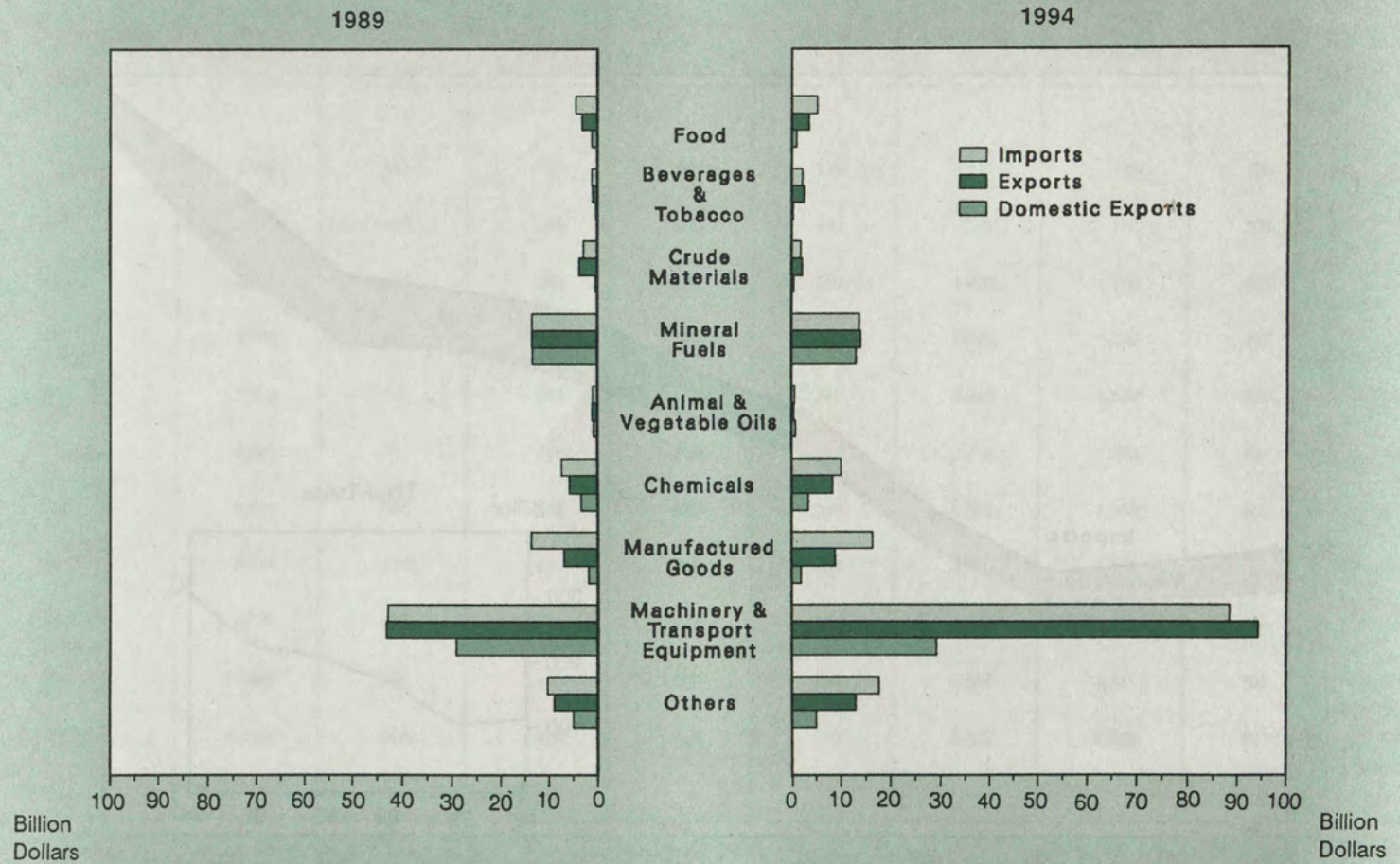


CHART 9

TRADE BY COMMODITY, 1989 AND 1994



11 TRANSPORT, COMMUNICATIONS AND TOURISM

11 TRANSPORT, COMMUNICATIONS AND TOURISM

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, 1989-1994
(End of Period)

Tonnage Class (Gross Registered Tons)	1989		1990		1991		1992		1993		1994	
	No.	'000 GRT	No.	'000 GRT	No.	'000 GRT	No.	'000 GRT	No.	'000 GRT	No.	'000 GRT
Total	1,359	8,134	1,565	8,872	1,823	9,559	2,087	10,739	2,394	12,164	2,647	13,201
Non-propelled or Below 100	665	470	795	601	949	705	1,121	893	1,306	1,104	1,465	1,317
100 & Above	694	7,664	770	8,271	874	8,854	966	9,846	1,088	11,060	1,182	11,884

Source : Marine Department

11.2 AGE DISTRIBUTION OF VESSELS REGISTERED IN SINGAPORE, DECEMBER 1994

Tonnage Class (Gross Registered Tons)	Age Group (Years)											
	0 - 4		5 - 9		10 - 14		15 - 19		20 - 24		25 & Above	
	No.	'000 GRT	No.	'000 GRT	No.	'000 GRT	No.	'000 GRT	No.	'000 GRT	No.	'000 GRT
Total	1,319	4,163	346	3,030	392	2,124	346	2,578	204	1,222	40	85
Non-propelled or Below 100	990	946	219	171	170	126	45	49	34	23	7	3
100 - 499	207	37	40	8	80	20	84	24	34	8	11	3
500 - 999	12	10	4	3	23	18	46	36	22	17	5	4
1,000 - 4,999	40	109	17	44	45	97	57	129	62	138	12	22
5,000 - 9,999	13	88	5	34	15	116	36	262	19	161	2	16
10,000 & Above	57	2,974	61	2,769	59	1,747	78	2,077	33	874	3	37

Source : Marine Department

11.3 VESSELS LICENSED IN SINGAPORE, 1984-1994

End of Year	Vessels Other than Fishing Vessels				Fishing Vessels		
	Total	Cargo Boats	Passenger Boats	Others ¹	Total	Powered Vessels	Non-powered Vessels
1984	2,599	1,381	550	668	483	443	40
1985	2,383	1,223	514	646	446	415	31
1986	2,241	1,116	494	631	423	401	22
1987	2,165	1,023	513	629	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
1994	2,384	959	491	934	242	237	5

¹ Include work boats, bum boats and tug boats.

Source : Primary Production Department
Port of Singapore Authority

11.4 VESSEL ARRIVALS AND DEPARTURES, 1984-1994

Period	Arrivals		Departures	
	Number	'000 GRT	Number	'000 GRT
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	92,655	623,841	92,477	623,369
1994 ^P	101,000	679,000	101,000	679,000

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, 1992-1994

Flag	1992		1993		1994 ^P	
	Number	'000 GRT	Number	'000 GRT	Number	'000 GRT
All Flags	81,334	578,495	92,655	623,841	101,000	679,000
Bahamas	1,305	27,952	1,454	29,837	1,703	34,196
China	1,340	16,819	1,217	17,097	1,400	23,138
Cyprus	1,000	17,602	1,291	22,979	1,272	24,552
Denmark	668	14,859	788	15,308	839	16,444
France	166	8,917	136	7,142	144	8,655
Germany	657	11,865	566	11,289	634	14,389
Greece	634	17,304	873	22,918	930	27,062
Hong Kong	427	11,423	357	10,983	411	11,979
India	383	8,454	389	7,911	337	6,894
Isle of Man	88	2,097	100	3,704	105	3,080
Italy	95	2,425	90	3,438	129	4,012
Japan	1,320	30,444	1,696	28,748	1,506	25,319
Korea	569	10,067	614	10,551	763	11,472
Liberia	2,822	83,044	3,234	89,419	3,252	88,929
Malta	467	7,458	637	10,461	736	15,181
Netherlands	369	10,472	383	10,105	647	13,322
Norway	829	17,941	688	16,575	627	18,493
Panama	11,878	87,930	13,827	97,091	13,784	113,821
Singapore	31,234	53,926	38,215	66,214	44,148	74,363
St Vincent & the Grenadines	359	3,963	536	5,311	543	5,345
Taiwan	647	16,226	702	15,499	740	17,204
United Kingdom	209	8,082	223	8,381	250	8,627
United States	340	8,769	316	8,053	331	7,978

Note : See notes to Table 11.4.

Source : Port of Singapore Authority

11.6 SEA CARGO HANDLED, 1984-1994

Thousand Freight Tonnes

Period	Total		General Cargo				Bulk Cargo			
			Containerised		Conventional		Oil		Others	
	Inward	Outward	Inward	Outward	Inward	Outward	Inward	Outward	Inward	Outward
1984	67,411	44,486	11,829	10,272	9,024	9,608	39,199	23,976	7,359	630
1985	62,086	43,750	12,411	11,451	6,723	6,359	38,430	25,181	4,523	759
1986	69,757	50,959	15,914	15,626	6,258	6,224	43,894	28,815	3,692	295
1987	75,780	53,679	19,145	19,274	6,737	6,702	46,199	27,399	3,699	304
1988	90,649	64,090	25,849	25,407	8,084	7,600	52,835	30,667	3,882	416
1989	98,367	75,931	31,750	33,440	9,653	8,593	51,908	32,512	5,056	1,386
1990	106,223	81,567	37,613	39,018	9,969	7,789	53,335	33,571	5,307	1,190
1991	116,525	89,904	44,909	45,771	9,947	7,557	56,123	35,392	5,546	1,184
1992	136,468	101,978	54,993	53,961	9,552	7,211	65,969	39,475	5,954	1,331
1993	158,960	114,763	64,625	62,450	9,652	5,917	78,513	44,964	6,170	1,433
1994 ^P	164,400	125,600	71,700	70,300	9,500	5,500	76,200	47,800	7,000	2,000

Note : Data include transshipment 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, 1990-1994

Thousand Freight Tonnes

Country/Area	1990		1991		1992		1993		1994 ^P	
	Inward	Outward	Inward	Outward	Inward	Outward	Inward	Outward	Inward	Outward
All Countries/Areas	37,613	39,018	44,909	45,771	54,993	53,961	64,625	62,450	71,700	70,300
South East Asia	12,648	12,421	15,130	13,752	20,418	16,678	24,275	19,784	27,253	23,406
North East Asia	11,250	7,963	12,377	9,558	13,839	10,395	15,980	12,258	17,066	13,956
China	244	175	526	258	826	333	884	402	1,015	516
Hong Kong	2,723	2,218	2,995	2,721	3,420	2,991	4,341	3,573	4,710	4,443
Japan	4,058	2,826	4,425	3,515	5,066	3,766	5,530	4,598	5,719	4,922
Taiwan	3,325	2,195	3,302	2,309	2,963	2,657	3,024	2,683	3,102	2,977
Korea	900	549	1,129	756	1,564	648	2,202	1,002	2,519	1,098
South Asia	1,730	2,669	2,426	3,035	3,619	3,856	4,056	4,885	4,757	5,639
India	800	1,198	1,243	1,163	1,783	1,683	2,307	1,993	2,943	2,457
Bangladesh	434	650	504	729	687	891	847	1,122	897	1,307
Sri Lanka	277	456	331	599	437	642	409	1,038	457	1,159
Pakistan	217	321	347	512	709	592	491	679	459	664
West Asia	841	1,983	1,126	3,087	1,068	3,868	1,452	4,106	1,271	4,121
United Arab Emirates	511	907	715	1,507	525	1,796	906	2,116	778	2,234
Saudi Arabia	165	480	241	798	355	1,120	268	1,157	249	1,107
Africa	454	946	639	1,250	712	1,553	875	2,126	974	1,956
EEC	6,405	7,180	7,075	8,105	8,257	9,656	10,953	10,795	12,400	11,630
Italy	750	712	718	800	827	952	1,026	906	1,353	918
France	682	784	610	904	516	814	880	940	855	933
Germany	1,836	1,902	2,051	2,097	2,284	2,356	3,120	2,727	3,232	3,121
Netherlands	1,358	1,621	1,541	1,666	2,077	2,383	3,049	2,765	3,394	3,019
United Kingdom	841	1,263	1,072	1,510	1,447	1,873	1,667	2,095	1,891	2,218
Belgium-Luxemburg	484	388	498	447	633	402	620	392	754	408
Spain	411	411	527	565	424	740	554	762	858	916
Other Europe	494	549	361	480	280	394	366	425	391	395
Oceania	1,098	1,413	2,022	1,736	2,713	2,228	2,630	2,655	2,855	3,073
Australia	866	1,086	1,705	1,310	2,223	1,678	2,270	2,090	2,559	2,388
New Zealand	201	176	279	193	439	222	323	258	220	340
Papua New Guinea	14	103	25	150	27	234	21	186	59	219
North America	2,417	3,439	2,927	3,697	3,743	4,703	3,421	4,697	4,115	5,467
Canada	218	108	228	105	257	225	215	245	286	232
USA	2,199	3,331	2,700	3,592	3,486	4,478	3,206	4,452	3,829	5,235
Central & South America	145	231	97	372	120	470	253	570	299	716

Source : Port of Singapore Authority

11.8 MINERAL OIL HANDLED BY COUNTRY/AREA, 1990-1994

Thousand Freight Tonnes

Country/Area	1990		1991		1992		1993		1994 ^P	
	Inward	Outward	Inward	Outward	Inward	Outward	Inward	Outward	Inward	Outward
All Countries/Areas	53,335	33,571	56,123	35,392	65,969	39,475	78,513	44,964	76,200	47,800
South East Asia	8,620	12,813	8,708	13,825	10,602	16,947	10,731	17,333	9,988	17,572
North East Asia	5,143	14,592	6,245	12,684	6,528	14,197	5,224	20,040	3,538	21,542
China	3,964	736	3,790	814	3,334	1,159	1,844	3,563	870	3,665
Hong Kong	92	5,655	234	5,070	81	6,761	115	9,909	141	10,651
Japan	648	5,901	802	4,873	996	4,004	781	3,473	933	3,899
Korea	367	835	1,162	992	1,956	1,515	2,275	2,270	1,330	1,782
Taiwan	73	1,459	255	934	162	758	210	825	263	1,545
South Asia	645	1,329	630	2,209	629	2,602	763	2,126	389	2,740
India	230	427	165	1,266	438	1,499	547	1,077	150	1,378
Sri Lanka	78	22	122	116	33	339	102	175	87	56
West Asia	34,570	715	34,621	2,716	39,983	1,701	53,159	1,502	53,148	983
Bahrain	1,634	79	1,498	19	1,291	-	1,213	-	936	-
Iran	2,490	26	3,233	321	2,836	530	5,823	89	5,014	231
Kuwait	4,252	-	806	84	3,889	130	5,289	-	7,526	35
Saudi Arabia	14,772	13	18,124	1,320	22,750	787	28,090	376	26,912	349
United Arab Emirates	6,676	509	6,895	819	6,232	190	6,382	1,025	8,448	233
Africa	634	63	317	287	841	13	1,831	77	2,050	82
EEC	689	53	267	158	1,514	23	1,520	9	1,236	133
Other Europe	2	118	276	125	560	60	637	19	865	44
Oceania	2,003	2,824	2,161	2,497	2,082	2,694	2,489	2,603	2,156	3,288
Australia	1,953	1,302	1,847	1,322	1,931	1,524	2,471	1,201	2,043	1,582
New Zealand	10	74	103	47	42	20	-	-	-	55
North America	354	986	1,304	775	1,486	896	1,800	1,129	2,172	1,193
USA	354	986	1,304	775	1,486	896	1,800	1,129	2,062	1,193
Central & South America	675	-	1,515	9	1,563	2	337	6	524	42

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, 1984-1994

Year	Aircraft Landings	Passengers			Parcel Mail	
		Arriving	Departing	In Transit	In-coming	Out-going
	Number	Persons			Tonnes	
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
1994	72,565	10,134,100	10,068,537	1,442,040	8,538	8,401

Note : Figures from 1989 refer to Changi Airport only.

Source : Civil Aviation Authority of Singapore

11.10 AIR CARGO DISCHARGED AND LOADED BY REGION AND SELECTED COUNTRY OF ORIGIN AND DESTINATION, 1989-1994

Tonnes

Region/Country of Origin or Destination	1989		1990		1991		1992		1993		1994	
	Discharged	Loaded	Discharged	Loaded	Discharged	Loaded	Discharged	Loaded	Discharged	Loaded	Discharged	Loaded
Total	297,180	280,369	324,157	299,684	342,261	300,948	386,793	332,212	444,019	394,397	529,334	480,430
South East Asia	92,484	68,452	97,686	77,935	103,169	71,229	120,489	78,534	119,529	93,143	134,259	121,047
Malaysia	17,562	17,350	19,373	20,396	21,640	21,316	24,262	20,785	21,664	25,533	23,996	28,069
Philippines	3,923	5,988	3,730	6,066	3,973	5,502	4,090	6,851	5,351	8,463	7,650	10,130
Thailand	26,427	20,209	24,780	20,293	26,952	19,384	31,601	23,234	36,212	27,597	42,022	41,565
North East Asia	88,208	83,782	104,614	90,310	108,461	103,732	112,526	112,125	136,316	136,631	162,282	166,943
Hong Kong	16,147	22,617	18,992	24,181	18,633	27,296	22,373	28,388	28,644	35,840	35,562	40,065
Japan	38,431	37,629	44,564	41,121	48,170	48,331	46,957	51,312	53,557	56,016	57,450	61,934
Taiwan	18,878	7,132	22,702	8,178	22,210	9,567	21,165	13,436	25,641	18,413	35,888	31,910
South Asia	18,017	15,038	19,399	13,550	19,194	12,555	22,164	13,830	26,919	17,150	31,165	21,362
India	11,652	8,319	12,268	7,550	10,994	6,280	13,240	7,360	16,984	9,491	19,971	11,540
West Asia	2,448	6,363	2,850	7,328	1,815	6,371	2,912	7,360	4,831	10,583	10,263	12,506
Oceania	29,480	28,466	35,390	25,877	45,526	26,133	52,980	27,683	60,366	32,114	65,680	40,720
Australia	26,430	22,446	32,637	20,486	41,698	21,068	47,692	22,141	52,715	25,482	56,289	32,394
New Zealand	2,807	4,679	2,420	4,335	3,435	4,024	4,858	4,504	7,330	5,711	8,771	7,424
Europe	47,594	54,400	49,637	61,310	49,284	60,726	57,433	68,954	70,516	73,229	86,036	80,721
France	2,359	3,055	2,847	2,999	2,607	2,481	4,245	2,884	4,192	2,241	5,102	3,339
Germany ¹	3,745	4,127	4,862	5,856	4,936	5,519	7,152	6,505	8,626	7,985	10,365	8,836
Netherlands	8,468	9,543	8,544	10,475	10,152	10,763	9,906	13,440	11,772	13,729	18,389	16,963
Scandinavia	6,133	3,479	6,004	3,843	6,318	4,092	6,277	4,602	7,240	4,354	7,902	4,008
Switzerland	3,310	3,062	3,161	3,014	4,812	3,643	8,227	7,428	8,976	7,050	9,596	6,627
United Kingdom	8,995	13,172	10,662	12,923	8,165	11,611	7,906	10,526	11,377	11,899	12,052	12,594
North America	17,987	20,644	13,542	19,797	13,793	16,749	16,742	20,402	22,823	27,869	36,440	32,960
USA	16,831	19,165	12,354	18,323	12,012	15,086	14,738	18,676	21,458	26,465	35,121	31,798
Other Regions	962	3,224	1,036	3,578	1,019	3,453	1,546	3,324	2,719	3,678	3,208	4,170

Notes : Data refer to Changi Airport only.

Data exclude passenger baggage, diplomatic cargo and aircraft stores.

1 Data prior to 1991 referred to West Germany only.

Source : Civil Aviation Authority of Singapore

11.11 AIR PASSENGERS BY REGION AND SELECTED COUNTRY OF EMBARKATION AND DISEMBARKATION, 1989-1994

Thousand

Region/Country of Embarkation or Disembarkation	1989		1990		1991		1992		1993		1994	
	Arrivals	Departures	Arrivals	Departures	Arrivals	Departures	Arrivals	Departures	Arrivals	Departures	Arrivals	Departures
Total	6,491	6,482	7,237	7,166	7,585	7,480	8,446	8,432	9,421	9,375	10,134	10,069
South East Asia	3,063	2,980	3,425	3,302	3,661	3,535	3,980	3,880	4,420	4,303	4,614	4,522
ASEAN	3,063	2,980	3,419	3,295	3,638	3,511	3,918	3,816	4,317	4,207	4,470	4,381
Brunei	120	119	113	113	116	111	121	118	127	126	129	127
Indonesia	776	795	862	893	957	1,006	1,080	1,126	1,162	1,218	1,265	1,336
Malaysia	1,238	1,162	1,439	1,321	1,623	1,471	1,696	1,554	1,818	1,656	1,842	1,684
Philippines	162	144	155	136	161	145	179	169	208	196	229	224
Thailand	768	759	849	831	782	778	842	848	1,002	1,011	1,004	1,011
North East Asia	1,348	1,344	1,615	1,603	1,728	1,729	2,029	2,060	2,217	2,266	2,471	2,495
Hong Kong	452	442	557	531	571	549	650	643	725	740	733	741
Japan	639	648	759	778	758	778	814	885	871	886	961	963
Taiwan	164	163	195	187	263	268	322	351	351	369	433	454
South Asia	355	353	394	378	391	370	440	420	480	459	517	491
India	221	222	244	233	227	216	256	244	269	263	289	277
Pakistan	23	25	23	23	23	24	28	31	34	35	39	39
Sri Lanka	64	58	74	69	83	72	89	84	96	91	98	94
West Asia	68	70	56	59	74	76	106	99	115	106	123	115
Oceania	755	809	773	843	750	809	826	877	930	990	1,029	1,082
Australia	634	685	656	722	640	696	713	755	795	846	873	922
New Zealand	98	103	97	102	92	96	95	104	120	127	138	144
Europe	719	736	782	780	775	755	819	833	945	925	1,033	1,012
France	37	41	42	41	43	41	51	54	63	63	76	74
Germany ¹	90	89	103	103	104	104	126	126	167	155	180	171
Netherlands	81	76	85	74	86	77	90	86	93	87	110	103
Scandinavia	35	37	40	44	48	51	47	52	47	48	47	48
Switzerland	54	58	51	55	58	60	54	60	69	73	77	85
United Kingdom	257	246	289	274	301	279	313	299	340	325	359	355
North America	128	137	139	150	154	152	176	191	222	231	246	251
USA	112	116	120	126	132	130	151	166	197	204	221	224
Other Regions	55	53	53	52	51	53	69	72	92	95	102	102

Notes : Data refer to Changi Airport only.

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, 1984-1994
(By Air, Sea and Land)

Thousand

Region/Country of Residence	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Total	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	6,899.0
Americas	213.9	219.0	231.7	260.6	281.8	316.1	337.1	326.8	367.2	389.6	428.1
Canada	26.9	31.0	32.6	36.6	42.6	55.3	61.1	58.5	63.9	63.9	65.5
USA	176.9	176.3	188.2	211.4	226.8	248.0	261.4	253.8	287.6	307.4	343.7
Asia	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	4,918.8
ASEAN	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	2,141.1
Hong Kong	98.5	97.7	104.8	125.1	124.1	147.5	194.1	213.1	232.6	252.8	270.8
India	192.7	218.5	236.6	243.5	203.7	194.1	216.5	209.7	195.5	179.7	173.8
Japan	369.5	377.7	404.3	541.4	682.4	841.4	971.6	871.3	1,000.8	1,001.0	1,109.4
Korea	36.0	31.0	30.4	36.6	55.2	87.7	108.9	133.4	156.4	199.3	290.3
Pakistan	19.1	20.9	26.1	33.5	33.8	33.9	33.2	37.8	40.2	36.4	38.8
Saudi Arabia	21.8	20.9	19.3	19.5	20.9	20.9	16.9	16.4	20.7	21.2	21.1
Sri Lanka	25.7	25.2	28.1	28.4	38.2	50.8	47.8	56.0	58.1	47.2	47.5
Taiwan	80.3	82.8	100.4	148.4	152.1	223.8	224.8	287.1	386.1	427.0	510.8
Europe	445.0	468.4	520.1	619.3	810.7	901.1	943.6	888.0	957.6	1,019.6	1,016.7
Austria	8.3	9.3	12.1	14.8	19.4	21.8	23.2	18.0	19.6	20.6	21.4
Belgium & Luxembourg	9.6	9.5	11.1	12.2	15.7	16.8	17.9	15.8	18.3	19.6	21.6
France	42.2	41.4	43.6	47.5	63.1	68.8	73.1	69.6	73.8	77.2	77.2
Greece	7.2	9.0	12.4	19.0	23.9	20.1	18.3	14.1	15.0	15.1	15.3
Italy	25.6	26.0	30.5	37.3	53.5	55.0	56.3	51.8	56.6	64.5	53.5
Netherlands	40.2	40.5	42.7	48.2	63.9	70.9	73.8	72.2	78.2	78.6	75.9
Scandinavia	40.8	45.4	53.6	67.9	86.9	95.2	100.5	95.2	92.5	90.9	95.0
Switzerland	27.9	32.2	35.6	40.4	56.3	62.6	60.4	57.7	60.6	62.5	60.1
United Kingdom	150.2	158.4	170.1	195.2	253.6	281.3	296.6	274.7	303.3	310.7	302.0
Germany ¹	72.8	73.9	78.4	93.3	118.5	140.6	140.8	142.4	160.4	188.2	196.0
Soviet Union & Eastern Europe	8.6	11.3	16.9	26.2	30.0	39.3	49.5	46.5	37.9	42.3	51.4
Oceania	359.2	368.8	390.4	421.2	458.0	558.9	550.7	449.9	467.1	447.9	434.3
Australia	291.1	300.8	315.9	330.2	361.5	450.2	456.6	368.0	385.1	365.1	347.4
New Zealand	58.9	57.5	62.3	76.5	79.1	86.7	72.7	62.0	62.0	63.0	69.1
Others	14.2	14.1	17.7	33.4	48.9	57.6	64.2	56.9	70.3	98.2	101.1
Africa	13.5	13.0	15.9	31.5	46.6	55.0	56.2	55.7	69.7	97.6	100.7

Note : Exclude arrivals of Malaysians by land.

1 Data prior to 1991 referred to West Germany only.

Source : Singapore Tourist Promotion Board

11.13 VISITOR ARRIVALS BY a) SEX AND b) AGE GROUP, 1989-1994
(By Air, Sea and Land)

Thousand

	1989	1990	1991	1992	1993	1994
Total	4,830.0	5,322.9	5,414.7	5,989.9	6,425.8	6,899.0
Sex						
Males	2,996.0	3,313.9	3,373.0	3,701.7	3,982.7	4,204.2
Females	1,834.0	2,009.0	2,041.7	2,288.2	2,443.1	2,694.8
Age Group (Years)						
Under 15	295.5	338.2	337.4	366.8	397.5	439.8
15 - 19	129.8	141.8	147.9	160.4	172.4	186.6
20 - 24	423.7	466.0	485.3	528.7	530.0	561.5
25 - 34	1,279.1	1,412.3	1,471.3	1,577.3	1,649.0	1,763.5
35 - 44	1,150.1	1,274.7	1,318.1	1,421.3	1,517.9	1,612.4
45 - 54	817.4	892.8	893.3	1,035.8	1,165.2	1,262.6
55 - 64	484.2	519.7	493.1	583.2	656.1	706.8
65 & Over	236.6	250.8	232.6	281.8	308.2	338.7
Not Stated	13.5	26.6	35.7	34.6	29.5	27.1
Average Age (Years)	37.7	37.5	37.1	37.6	37.9	38.0

Note : Exclude arrivals of Malaysians by land.

Source : Singapore Tourist Promotion Board

11.14 VISITOR ARRIVALS BY a) PURPOSE OF VISIT AND b) TYPE OF ACCOMMODATION, 1984-1994
(By Air, Sea and Land)

Thousand

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Total	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	6,899.0
Purpose of Visit											
Holiday	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	4,024.1
Business	407.2	395.7	403.5	456.4	531.9	610.1	691.5	759.9	792.3	863.0	929.4
Business & Holiday	175.7	162.4	159.9	172.2	187.2	205.3	214.3	198.5	199.8	206.6	213.3
In Transit	288.3	293.0	289.5	305.8	352.9	432.7	481.2	501.8	544.3	621.8	630.8
Others	264.5	275.5	299.1	300.9	327.8	480.7	623.4	821.4	934.4	982.5	1,101.4
Type of Accommodation											
Hotel	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	5,065.9
Residence of Friends/Relatives	463.6	447.7	416.6	421.2	447.7	511.7	609.5	697.1	715.5	743.3	745.5
Others	238.2	259.9	274.8	289.1	314.4	347.5	426.3	512.2	564.2	599.3	686.0
No Accommodations Required	180.6	177.9	175.2	178.9	191.6	226.1	276.8	307.6	328.7	373.3	401.6

Note : See notes to Table 11.13.

Source : Singapore Tourist Promotion Board

11.15 VISITOR ARRIVALS BY LENGTH OF STAY, 1984-1994
(By Air, Sea and Land)

Thousand

Length of Stay - (Days)	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Total	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	6,723.5
Under 1	287.0	290.8	301.1	335.6	384.7	446.9	566.1	709.7	802.7	872.6	969.6
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	1,606.1
2	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	1,589.7
3	437.5	450.6	480.6	593.2	708.2	808.3	873.5	853.1	958.3	977.2	1,041.3
4 - 7	567.4	581.0	627.5	682.4	760.9	876.5	920.7	872.9	907.1	916.3	994.2
8 - 14	206.5	191.5	198.6	221.1	249.0	279.6	318.6	351.2	351.2	339.0	331.3
15 - 29	)	)	)	)	)	)	)	100.4	103.0	102.1	108.8
30 - 59	)	)	)	)	)	)	)	)	)	)	)
60 & Over	)	)	)	)	)	)	)	156.0	41.9	45.4	46.9
	123.7	113.6	108.9	113.6	128.1	137.1		28.8	31.4	34.3	35.6
Average Length of Stay (Days)	3.6	3.5	3.5	3.4	3.4	3.3	3.3	3.9	3.7	3.6	3.5

Notes : Exclude arrivals of Malaysians by land.

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

Source : Singapore Tourist Promotion Board

11.16 VISITOR ARRIVALS, HOTELS AND CESS COLLECTION, 1984-1994

Year	Visitor Arrivals	Tourist Hotels ¹				Cess on Food & Beverages ²
		Number (At End Year)	Number of Rooms Available	Average Occupancy Rate	Cess ² Collected	
	Thousand			Per Cent	Thousand Dollars	
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
1994	6,899.0	73	24,601	86.6	19,748.7	28,183.6

¹ Refer to gazetted hotels.

² With effect from 1 April 1994, the rate has been reduced from 4% to 1%.

Source : Singapore Tourist Promotion Board
Customs & Excise Department

11.17 PUBLIC ROADS, 1984-1994

Kilometres

End of Year	Total Public Roads	Paved Roads					Local Roads Unimproved
		Total	Expressways	Major Arterial Roads	Collector Roads	Local Roads Improved	
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
1994	3,027	2,943	128	565	315	1,935	84

Source : Public Works Department

11.18 MOTOR VEHICLE POPULATION, 1984-1994

Number

End of Year	Total	Cars ¹	Rental Cars	Taxis	Buses	Goods Vehicles	Motor Cycles & Scooters	Others
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
1994	611,611	321,556	4,341	14,750	10,198	123,844	126,156	10,766

¹ Include private cars and company cars.

Source : Registry of Vehicles

11.19 ROAD CASUALTIES, 1984-1994

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
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
1994	254	6,751	67	841	17	240	118	3,546	50	2,055	2	69

Source : Police Department

11.20 VEHICLES INVOLVED IN ROAD ACCIDENTS BY TYPE OF VEHICLE, 1984-1994

								Number
Year	Total	Pedal Cycle	Motor Cycle	Motor Car	Light Goods Vehicle	Heavy Goods Vehicle ¹	Bus	Others
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
1994	8,856	260	3,211	3,436	597	850	427	75

¹ Include lorries, tippers and trailers only.

Source : Police Department

11.21 POSTAL ARTICLES HANDLED, 1984-1994

Thousand

Year	Total	Ordinary Mail			Registered Mail	Parcel Mail	Local Urgent Mail	Express Mail	Speedpost Mail
		Domestic	Surface	Air					
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
1994	1,181,129	954,999	31,793	173,253	16,664	1,502	841	667	1,410

Source : Singapore Post

11.22 TELECOMMUNICATIONS, 1984-1994

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		
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
1994	18	87	548	4,000	146,015	1,310

¹ Exclude calls to Peninsular Malaysia.

Source : Singapore Telecom

² End of Period.

CHART 10

SEA CARGO HANDLED, 1984-1994

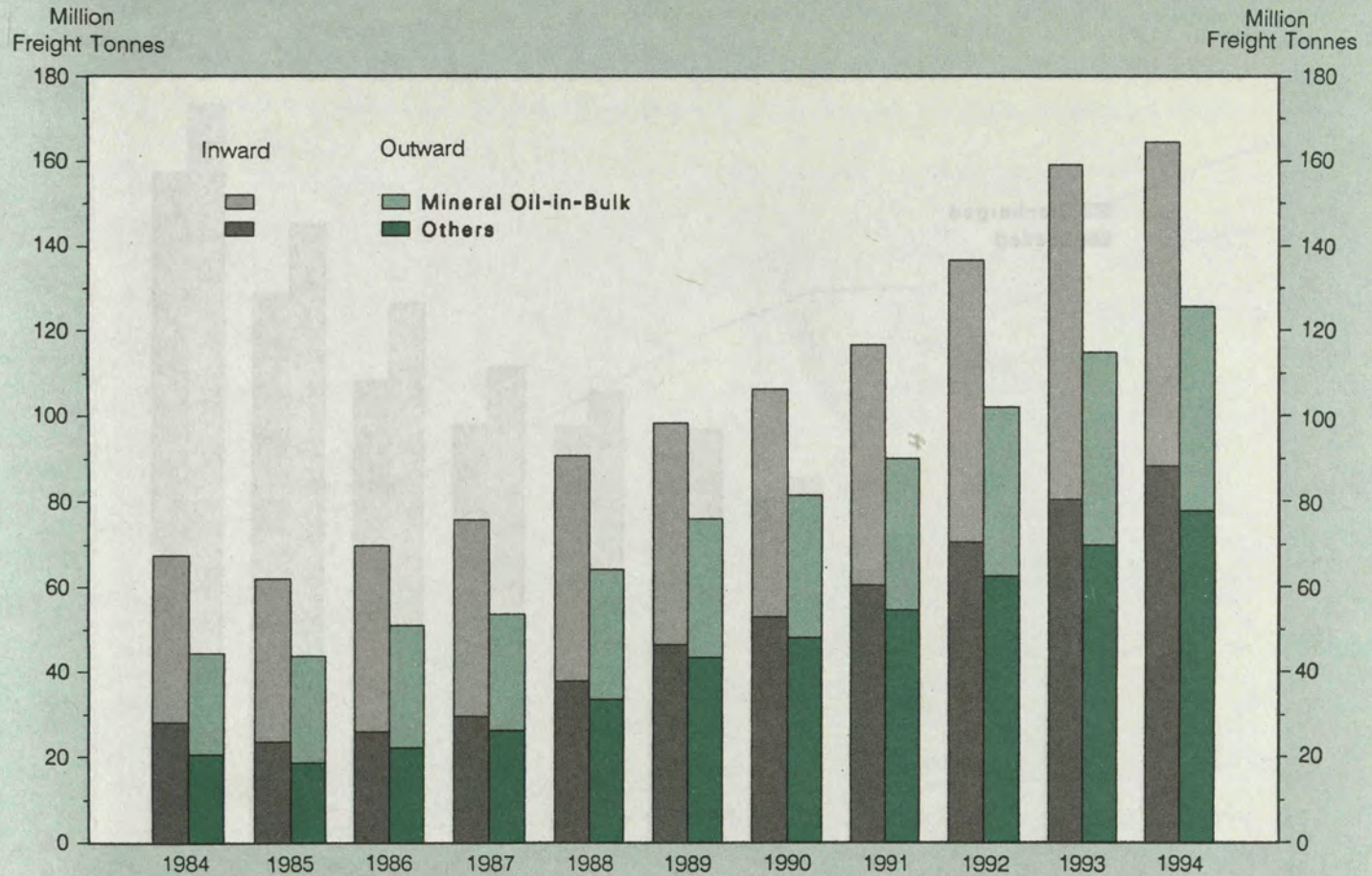


CHART 11

AIR CARGO HANDLED, 1984-1994

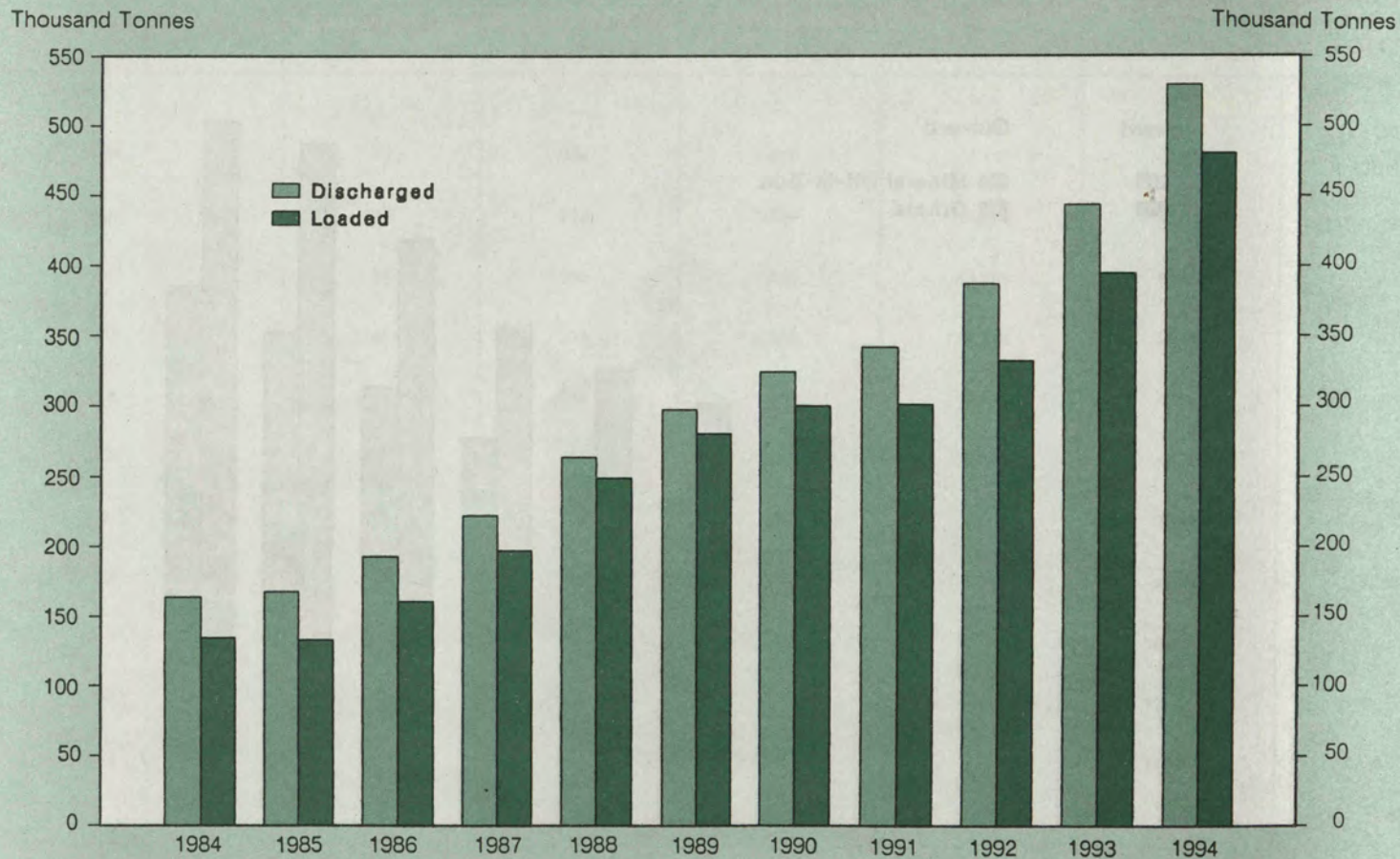
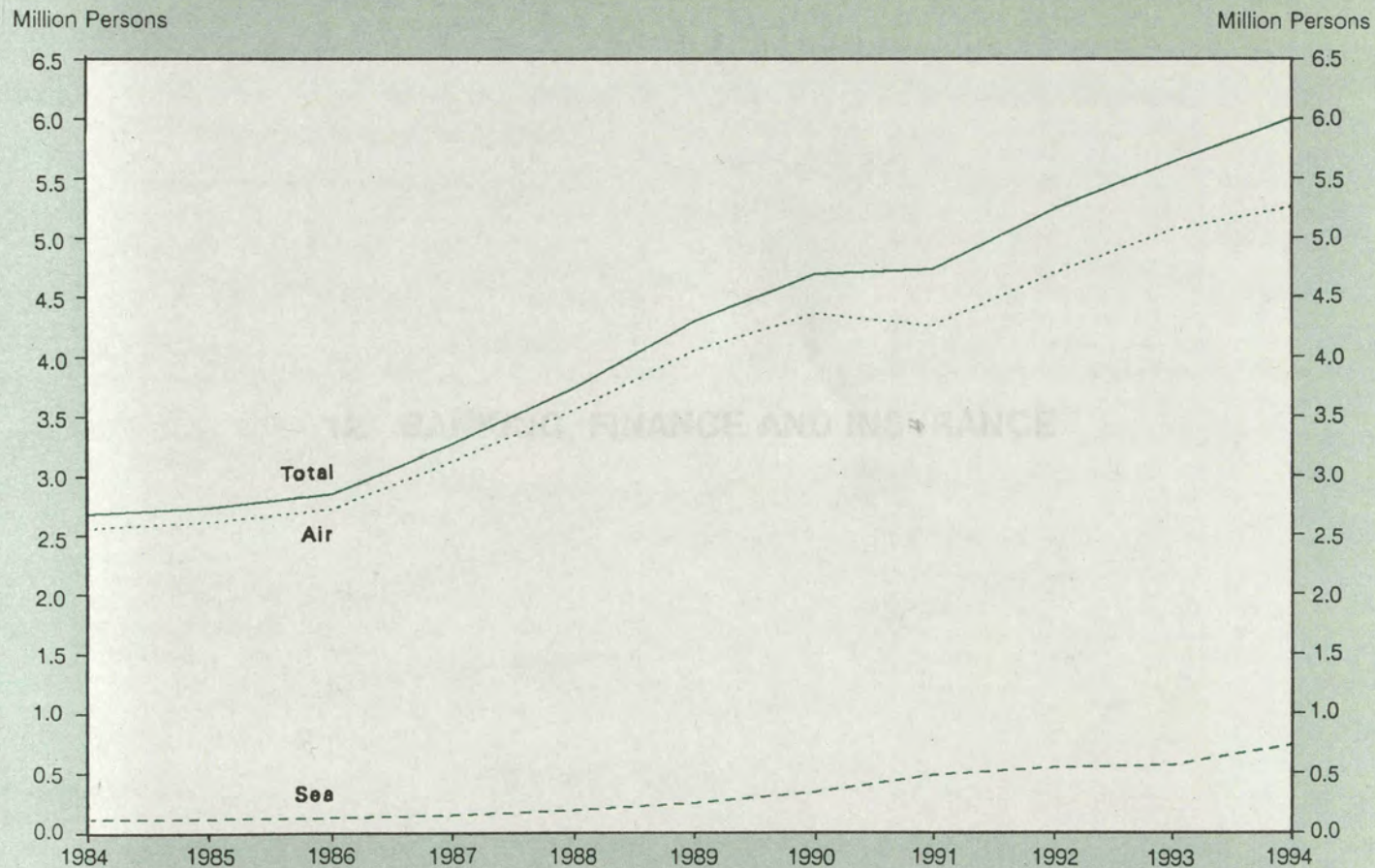


CHART 12

VISITOR ARRIVALS BY AIR AND SEA, 1984-1994



12 BANKING, FINANCE AND INSURANCE

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 Deutschmark, the French Franc, the Japanese Yen and the Pound Sterling.

12.1 CURRENCY IN CIRCULATION, 1984-1994

End of Year	Gross Circulation			Active Circulation ¹	Ratio of Active to Gross Circulation
	Total	Notes	Coins		
	Million Dollars				Per Cent
1984	5,033	4,768	266	4,619	91.8
1985	5,149	4,871	278	4,739	92.0
1986	5,484	5,189	296	5,033	91.8
1987	5,886	5,562	324	5,440	92.4
1988	6,702	6,323	379	5,997	89.5
1989	7,138	6,736	402	6,610	92.6
1990	7,712	7,222	490	7,109	92.2
1991	8,169	7,646	523	7,497	91.8
1992	8,971	8,411	560	8,279	92.3
1993	9,675	9,073	601	8,942	92.4
1994	10,170	9,520	649	9,420	92.6

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, 1984-1994

Million Dollars

End of Period	Money Supply (M3)										
	Total (1) [(2) + (3) + (4)]	Net Deposits with Non-bank Financial Institutions ¹		Money Supply (M2)							
		Finance Companies (2)	Post Office Savings Bank (3)	Total (4) [(5) + (9)]	Quasi Money				Money Supply (M1)		
					Total (5) [(6) + (7) + (8)]	Fixed Deposits (6)	S\$ Negotiable Certificate of Deposits (7)	Savings and Other Deposits (8)	Total (9) [(10) + (11)]	Currency in Active ² Circulation (10)	Demand Deposits of Private Sector (11)
1984	36,053	4,814	4,119	27,121	18,255	13,704	33	4,517	8,866	4,619	4,247
1985	37,029	4,359	4,522	28,148	19,363	13,789	25	5,549	8,785	4,739	4,046
1986	40,185	4,060	5,170	30,955	21,134	13,847	391	6,895	9,821	5,033	4,788
1987	47,148	4,491	5,568	37,089	26,059	17,407	761	7,890	11,031	5,440	5,591
1988	52,824	5,093	5,643	42,088	30,130	20,898	847	8,385	11,958	5,997	5,961
1989	64,008	6,709	5,753	51,546	37,801	27,208	1,139	9,454	13,745	6,610	7,135
1990	75,792	7,419	6,528	61,845	46,584	35,966	1,160	9,458	15,261	7,109	8,152
1991	84,200	7,557	7,100	69,542	53,112	40,852	922	11,339	16,430	7,497	8,933
1992	91,082	8,061	7,293	75,729	57,213	43,176	741	13,295	18,516	8,279	10,236
1993	100,969	9,301	9,538	82,130	59,248	40,321	835	18,092	22,882	8,942	13,940
1994	117,035	11,864	11,191	93,981	70,569	53,623	596	16,350	23,412	9,420	13,991

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.

Source : The Monetary Authority of Singapore

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, 1984-1994 (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	
1984	259	3,027	1,337	1,690	248	4,447	-4,199	2,889	-1,600	1,479
1985	-81	189	1,108	-919	267	3,350	-3,083	2,089	1,018	814
1986	1,036	-1,303	1,771	-3,074	-44	-1,685	1,641	692	3,789	-2,011
1987	1,209	2,208	4,925	-2,717	1,311	461	849	945	1,810	321
1988	927	4,095	4,071	24	126	4,777	-4,651	1,629	1,995	1,930
1989	1,787	7,967	7,671	296	1,414	7,573	-6,159	2,982	2,619	2,050
1990	1,516	7,041	8,783	-1,743	1,097	3,601	-2,505	7,799	-3,045	1,010
1991	1,169	6,928	6,528	400	1,842	3,034	-1,192	5,062	1,671	-4,772
1992	2,086	6,124	4,101	2,024	1,822	5,376	-3,554	7,514	1,173	-5,071
1993	4,367	10,432	2,035	8,397	1,171	5,644	-4,473	9,774	-4,391	-4,940
1994	529	12,094	11,321	773	811	5,789	-4,978	5,860	-1,707	582

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, 1984-1994

Million Dollars

End of Year	Total Foreign Reserves	Special Drawing Rights	Reserve Position in the International Monetary Fund	Gold & Foreign Exchange
1984	22,768	147	186	22,435
1985	27,071	165	212	26,694
1986	28,158	195	229	27,733
1987	30,442	225	241	29,977
1988	33,277	233	228	32,816
1989	38,607	247	216	38,145
1990	48,521	275	213	48,034
1991	55,803	279	200	55,324
1992	65,788	203	346	65,239
1993	77,867	215	361	77,291
1994	85,166	225	382	84,559

Source : The Monetary Authority of Singapore

12.5 EXCHANGE RATES, 1984-1994

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
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
1994	0.5823	1.5274	2.3377	0.9423	0.2754	1.4951	0.1900	5.7724	0.1976	1.1166

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

Source : The Monetary Authority of Singapore

12.6 ASSETS OF BANKS, 1984-1994
(End of Period)

Million Dollars

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Total	65,707	70,618	76,833	86,484	96,441	127,202	134,002	136,093	153,302	170,250	201,953
Cash	291	304	334	328	568	401	471	533	543	578	594
Amounts Due from Banks	17,088	20,768	28,001	33,853	38,148	57,238	55,206	47,684	57,724	62,517	79,153
In Singapore	4,088	5,342	6,694	9,271	8,833	15,166	18,438	12,058	11,936	17,402	28,411
Outside Singapore ¹	12,999	15,427	21,306	24,583	29,316	42,073	36,767	35,625	45,788	45,115	50,742
Balances with The Monetary Authority of Singapore	1,742	1,830	1,908	2,153	2,371	3,314	3,486	4,227	4,765	5,199	5,564
Money at Call with Discount Houses ²	2,387	2,290	2,316	-	-	-	-	-	-	-	-
S\$ Negotiable Certificates of Deposit Held	133	105	134	136	146	283	297	272	199	180	71
Investments in Securities & Equities	4,379	5,073	5,450	8,525	9,053	10,818	12,366	14,225	16,377	17,976	19,496
In Singapore	4,237	4,880	5,089	8,271	8,805	10,538	12,024	13,894	16,089	17,560	18,327
Outside Singapore	142	193	360	255	247	281	342	331	288	416	1,170
Loans & Advances Including Bills Financing	36,868	37,403	35,793	37,869	41,849	50,786	57,696	64,009	69,139	78,454	90,974
Bills Discounted or Purchased	4,125	3,628	4,113	3,600	4,097	4,533	4,952	5,466	5,710	5,836	6,248
Payable outside Singapore	1,316	1,254	1,355	1,424	1,404	1,523	1,536	1,332	1,611	1,531	1,947
Payable in Singapore	2,809	2,374	2,759	2,175	2,693	3,010	3,416	4,134	4,100	4,305	4,301
Loans & Advances	32,743	33,775	31,680	34,269	37,752	46,253	52,744	58,543	63,429	72,618	84,726
All Other Assets	2,819	2,845	2,898	3,620	4,307	4,361	4,480	5,144	4,556	5,346	6,100

1 Include Asian Currency Units.

Source : The Monetary Authority of Singapore

2 Discount houses ceased operations in May 1987.

12.7 LIABILITIES OF BANKS, 1984-1994
(End of Period)

Million Dollars

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Total	65,707	70,618	76,833	86,484	96,441	127,202	134,002	136,093	153,302	170,250	201,953
Deposits of Non-bank Customers	28,026	28,745	30,613	36,393	42,475	53,351	63,980	72,241	78,483	85,401	99,032
Demand Deposits	4,857	4,700	5,423	6,658	6,636	8,019	9,170	10,291	11,635	15,765	15,788
Fixed Deposits	18,192	17,941	17,610	21,009	26,508	34,972	44,407	49,529	52,137	49,878	65,083
Savings Deposits	4,870	5,983	7,426	8,482	9,025	9,952	10,010	11,981	14,209	16,895	16,900
Other Deposits	108	121	154	245	307	408	393	440	503	2,862	1,261
S\$ Negotiable Certificates of Deposit Issued	301	264	696	897	993	1,422	1,457	1,193	940	1,016	667
Amounts Due to Banks	25,404	29,531	33,304	36,398	39,328	57,475	52,697	45,002	54,397	62,265	77,295
In Singapore	4,275	5,724	6,834	8,560	8,873	16,392	14,512	10,420	11,863	16,627	25,126
Outside Singapore ¹	21,129	23,807	26,470	27,837	30,455	41,083	38,185	34,582	42,535	45,638	52,170
All Other Liabilities	11,976	12,079	12,220	12,796	13,646	14,954	15,868	17,657	19,482	21,569	24,958

¹ Include Asian Currency Units.

Source : The Monetary Authority of Singapore

12.8 BANKS' LOANS AND ADVANCES TO NON-BANK CUSTOMERS BY INDUSTRY, 1984-1994
(End of Period)

Million Dollars

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Total Loans and Advances including Bills Financing	36,868	37,403	35,793	37,869	41,849	50,786	57,696	64,009	69,139	78,454	90,974
Agriculture, Mining & Quarrying	155	147	102	111	81	79	86	97	87	106	120
Manufacturing	5,700	5,669	4,988	6,141	6,699	7,433	7,489	8,123	8,380	8,353	8,856
Building & Construction ¹	7,350	7,997	8,002	7,669	8,010	10,903	12,864	15,578	17,911	23,113	28,213
General Commerce	11,129	10,105	10,331	10,729	11,591	12,386	13,686	15,695	17,189	17,733	19,443
Transport, Storage & Communications	1,530	1,183	948	819	772	1,081	1,737	1,817	1,940	1,838	1,902
Financial Institutions	5,355	5,659	4,859	5,282	6,729	8,432	9,923	10,318	11,250	13,133	13,644
Professional & Private Individuals	3,786	4,286	4,390	4,642	5,180	6,981	7,752	8,290	8,136	9,353	13,786
Others	1,864	2,356	2,175	2,477	2,786	3,491	4,159	4,092	4,247	4,827	5,010

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, 1984-1994
(End of Period)

Million US Dollars

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Total Assets	128,055	155,374	200,602	244,869	280,477	336,582	390,396	357,725	355,379	386,103	416,345
Loans to Non-bank Customers	33,766	37,440	38,742	55,011	66,551	86,394	125,516	134,078	134,184	136,857	145,823
Inter-bank Funds	85,329	104,933	146,610	171,093	194,756	228,725	239,120	197,028	194,758	214,277	234,339
In Singapore	3,832	4,619	4,927	5,080	5,254	7,330	8,745	8,221	9,726	12,717	17,107
Inter-Asian Currency Units	21,863	26,992	30,604	26,056	25,801	27,566	34,440	26,626	26,740	31,714	36,357
Outside Singapore	59,634	73,323	111,079	139,957	163,701	193,830	195,935	162,181	158,291	169,846	180,875
Other Assets	8,960	13,001	15,250	18,765	19,171	21,463	25,760	26,619	26,437	34,969	36,184
Total Liabilities	128,055	155,374	200,602	244,869	280,477	336,582	390,396	357,725	355,379	386,103	416,345
Deposits of Non-bank Customers	21,524	28,019	33,805	41,576	47,454	55,019	66,886	63,499	63,612	62,669	65,788
Inter-bank Funds	100,187	120,030	159,369	192,485	221,804	269,582	309,427	281,813	279,821	308,940	333,538
In Singapore	2,943	4,174	4,861	6,539	8,444	12,620	11,956	14,259	18,195	18,503	22,676
Inter-Asian Currency Units	21,867	26,994	30,604	26,057	25,801	27,567	34,438	26,624	26,742	31,717	36,354
Outside Singapore	75,377	88,862	123,905	159,890	187,558	229,395	263,033	240,931	234,885	258,721	274,507
Other Liabilities	6,345	7,325	7,429	10,808	11,220	11,980	14,083	12,412	11,945	14,494	17,020

Source : The Monetary Authority of Singapore

12.10 ASSETS AND LIABILITIES OF FINANCE COMPANIES, 1984-1994
(End of Period)

Million Dollars

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Total Assets	7,240	6,936	6,948	7,706	8,479	10,137	11,424	12,460	13,208	14,994	18,998
Cash	8	10	9	11	11	14	13	13	12	12	15
Balances with The Monetary Authority of Singapore	314	288	287	271	307	408	457	465	494	579	728
Deposits with Banks & Other Institutions	863	1,003	1,520	1,592	1,528	1,767	2,389	2,479	2,207	1,802	2,334
Investments	165	152	153	456	518	562	579	615	702	846	943
Loans & Advances	5,727	5,314	4,743	5,160	5,909	7,181	7,766	8,666	9,564	11,517	14,709
Hire Purchase Finance	833	584	421	563	1,040	1,732	2,077	2,384	3,046	4,246	5,616
Housing Loans	1,349	1,387	1,445	1,545	1,507	1,683	1,606	1,524	1,474	1,827	2,315
Other Loans & Advances	3,545	3,343	2,877	3,052	3,362	3,765	4,083	4,758	5,044	5,444	6,778
Other Assets	162	169	235	216	206	206	220	223	229	239	270
Total Liabilities	7,240	6,936	6,948	7,706	8,479	10,137	11,424	12,460	13,208	14,994	18,998
Capital & Reserves	1,117	1,132	1,148	1,177	1,250	1,333	1,416	1,510	1,679	1,850	2,203
Deposits from Individuals & Institutions	5,278	5,014	4,889	5,363	5,825	7,384	8,397	8,972	9,551	10,568	13,790
Savings Deposits	209	279	332	326	315	308	273	296	342	351	321
Fixed Deposits	4,656	4,307	4,241	4,610	5,032	6,507	7,719	8,324	8,685	9,729	12,346
Other Deposits	414	429	316	427	478	569	405	352	523	488	1,124
Other Liabilities	845	790	911	1,167	1,404	1,420	1,611	1,977	1,977	2,577	3,005

Source : The Monetary Authority of Singapore

12.11 FINANCE COMPANIES' LOANS AND ADVANCES BY INDUSTRY, 1984-1994
(End of Period)

Million Dollars

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Total	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	5,114.9
Agriculture, Mining & Quarrying	0.9	1.1	0.9	0.8	0.5	1.4	1.0	3.3	0.6	0.8	0.4
Manufacturing	217.6	223.9	231.1	249.4	236.5	177.7	180.0	229.9	262.5	243.7	228.5
Building & Construction	923.7	898.3	810.1	808.7	852.5	695.2	715.4	861.7	879.6	1,096.4	1,238.5
General Commerce	269.6	286.6	276.8	273.5	245.4	336.2	369.6	455.9	404.2	395.0	449.9
Transport, Storage & Communications	82.6	58.2	44.1	39.2	49.9	99.3	145.1	202.5	219.3	272.3	260.1
Financial Institutions	377.7	330.4	262.4	229.9	293.2	437.9	502.1	595.2	700.6	589.5	747.9
Professional & Private Individuals	682.4	715.2	648.4	646.5	669.8	761.5	736.2	938.4	980.8	1,180.3	1,907.4
Others	186.7	186.0	176.0	224.0	262.2	244.4	286.0	350.8	345.2	318.3	282.2

Source : The Monetary Authority of Singapore

12.12 ASSETS AND LIABILITIES OF MERCHANT BANKS, 1984-1994
(End of Period)

Million Dollars

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Total Assets	25,845	28,207	31,581	32,120	36,925	34,048	32,336	30,023	36,787	42,205	45,049
Amounts Due from Banks	9,304	9,769	11,085	12,067	14,670	13,058	12,921	11,573	11,343	15,828	18,591
In Singapore	189	332	371	473	491	524	664	682	617	609	998
Outside Singapore ¹	9,115	9,437	10,714	11,595	14,179	12,534	12,257	10,891	10,727	15,219	17,593
Loans & Advances to Non-bank Customers	13,711	12,722	13,233	12,862	12,504	11,340	11,272	10,591	15,691	11,546	13,139
Securities & Equities	2,057	4,989	6,406	5,914	8,250	8,368	7,173	7,029	9,046	13,547	10,880
Other Assets	774	728	858	1,277	1,501	1,282	970	829	706	1,284	2,439
Total Liabilities	25,845	28,207	31,581	32,120	36,925	34,048	32,336	30,023	36,787	42,205	45,049
Capital & Reserves	2,413	2,957	3,868	4,574	4,810	4,460	4,663	4,782	4,778	5,777	5,705
Amounts Due to Banks	19,873	20,638	21,363	19,462	21,565	20,842	19,230	18,040	19,286	27,473	28,669
In Singapore	750	709	484	678	711	896	544	566	500	471	399
Outside Singapore ¹	19,122	19,929	20,879	18,784	20,854	19,946	18,686	17,474	18,787	27,002	28,270
Borrowings from Non-bank Customers	2,721	3,801	5,171	6,222	7,482	6,568	6,846	5,956	11,099	6,711	7,453
Other Liabilities	839	811	1,180	1,862	3,069	2,179	1,598	1,245	1,623	2,243	3,223

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, 1984-1994
(End of Period)

Per Cent Per Annum

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Banks¹											
Prime Lending Rate	9.40	7.20	6.10	6.10	6.13	6.25	7.73	7.10	5.55	5.34	6.49
Deposit Rates											
3 Months	6.00	4.58	2.88	2.90	2.95	3.35	5.05	3.84	2.46	2.26	3.62
6 Months	6.35	4.70	3.03	3.11	3.33	3.86	5.37	4.13	2.69	2.51	3.89
12 Months	6.80	4.88	3.30	3.56	4.03	4.55	5.48	4.17	2.97	2.79	4.23
Savings Deposit Rate	6.53	5.18	3.08	3.03	2.83	2.98	3.83	3.05	1.79	1.59	2.93
Finance Companies											
Deposit Rates²											
Up to 3 Months	6.48	4.88	3.19	3.20	3.41	4.15	5.20	4.33	2.55	2.54	3.85
12 Months	7.18	5.30	3.60	3.98	4.48	4.98	5.80	4.65	3.24	3.25	4.52
POSBank Savings Deposit Rate for Amounts											
Up to \$100,000	6.75	5.25	3.25	3.25	3.00	3.25	4.50	4.00	2.50	2.25	3.00
Exceeding \$100,000	5.75	4.00	2.25	2.25	2.00	2.25	3.50	3.00	1.75	1.50	2.25

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, 1984-1994

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994 ^P
Number of Accounts (End of Period)	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	4,980,999
Transaction Volume ('000)	34,922	45,564	59,178	71,586	80,112	92,258	104,090	116,637	135,681	164,391	182,584
Net Deposit Inflow (\$ Million)	704	1,438	1,053	341	675	625	-247	1,720	2,073	1,824	-450
Total Deposit Base (\$ Million) ¹ (End of Period)	7,333	9,193	10,638	11,281	12,262	13,210	13,388	15,646	18,127	20,310	20,269

Note : Data refer to Savings Accounts and include Current Accounts from 1984.

Source : Post Office Savings Bank

Current Accounts was implemented on 16 February 1984.

¹ Include interest credited at end of year.

12.15 CONTRIBUTIONS AND WITHDRAWALS OF CENTRAL PROVIDENT FUND, 1984-1994

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994 ^P
Amount											
Contributed	5,385	5,993	4,778	4,447	4,985	6,108	7,174	8,101	9,028	10,427	11,279
Withdrawn	3,509	3,360	3,824	4,297	4,010	3,663	3,995	4,656	5,413	10,944	7,292
Due to Members (End of Period)	22,670	26,830	28,341	30,608	32,529	36,052	40,646	46,049	51,527	52,334	57,649

Million Dollars

Source : Central Provident Fund Board

12.16 WITHDRAWALS OF CENTRAL PROVIDENT FUND BY TYPE, 1984-1994

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 ⁵	No. ⁴	\$Million	No. ⁴	\$Million	No.	\$Million	No.	\$Million	No.	\$Million		
1984	3,509	81,374	2,154	7,095	539	31,725	606	8,424	96	3,171	36	18	61
1985	3,360	64,550	1,785	7,618	782	24,740	506	10,085	146	3,325	41	44	56
1986	3,824	54,387	1,478	11,859	1,170	35,988	666	6,890	157	3,415	44	105	204
1987	4,297	45,111	1,408	12,287	1,239	24,399	548	5,070	144	3,141	49	141	769
1988	4,010	59,469	1,860	8,670	916	24,397	574	5,011	152	3,813	52	170	287
1989	3,663	42,497	1,344	12,180	1,071	27,349	619	5,076	162	4,065	54	178	235
1990	3,995	33,317	1,252	10,082	1,007	34,550	803	4,838	156	3,852	54	208	514
1991	4,656	47,526	1,731	14,841	1,269	32,122	732	4,940	157	4,599	63	231	473
1992	5,413	56,537	2,139	18,092	1,475	31,924	773	4,629	161	4,915	73	238	554
1993	10,944	49,477	1,822	21,121	1,688	49,483	928	5,110	178	4,802	73	250	6,006
1994 ^p	7,292	54,241	1,875	18,631	1,626	43,060	1,079	5,859	202	6,101	84	276	2,151

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, 1984-1994

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
1984	3,043	8,211	2,102	5,629	239	1,236	140	310	136	320	151	257	123	357	153	104
1985	3,025	6,319	2,145	4,338	286	1,228	109	153	159	247	151	105	86	203	88	45
1986	3,951	8,001	2,608	5,107	411	1,761	178	175	412	614	32	34	123	216	187	95
1987	9,758	22,478	5,385	12,510	1,132	5,262	577	835	1,168	2,202	141	269	417	805	939	595
1988	7,152	12,817	3,593	7,097	531	2,178	298	355	1,188	1,785	119	256	308	643	1,115	504
1989	21,646	39,150	9,773	19,655	1,342	4,799	811	1,473	4,042	7,124	189	391	784	1,262	4,704	4,446
1990	18,487	36,756	8,922	19,177	2,394	6,173	882	1,583	2,967	5,979	51	96	1,062	1,386	2,209	2,362
1991	15,557	30,549	6,898	16,594	1,489	5,082	670	1,300	2,503	4,198	105	176	508	603	3,384	2,597
1992	13,904	29,444	7,178	16,704	1,487	6,039	525	973	2,360	3,578	62	88	441	557	1,851	1,506
1993	66,398	127,797	33,171	67,664	6,585	20,028	2,926	5,627	12,564	20,468	133	277	3,509	5,824	7,510	7,910
1994	45,540	123,520	21,368	60,834	5,419	21,655	2,052	5,456	7,891	20,765	37	113	1,426	4,049	7,347	10,649

Source : Stock Exchange of Singapore

12.18 STOCK EXCHANGE OF SINGAPORE INDICES, 1984-1994
(1975 = 100)

Year	All Shares	Industrial	Finance	Hotels	Properties
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
1994	567.6	521.8	608.6	689.8	591.8

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, 1984-1994

Year	Pledges		Amount of Loans	
	Received	Redeemed	Given Out	Redeemed including Interest
	Number		Million Dollars	
1984	2,046,769	1,899,551	492	489
1985	2,177,003	1,959,618	514	505
1986	2,227,215	2,094,071	535	544
1987	2,211,369	2,103,051	587	585
1988	2,250,020	2,107,883	659	649
1989	2,294,121	2,121,106	679	677
1990	2,373,031	2,157,726	717	702
1991	2,465,730	2,220,781	755	735
1992	2,474,332	2,221,838	762	742
1993	2,602,199	2,286,913	856	802
1994	2,610,132	2,346,942	954	909

Source : Registry of Pawnbrokers

12.20 LIFE INSURANCE POLICIES, 1983-1993

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
	Number										
Policies in Force (End of Period)	359,902	379,880	405,452	463,139	565,032	702,986	870,304	1,055,353	1,262,731	1,537,074	1,823,094
New Policies	78,212	57,013	63,712	92,819	138,821	181,167	215,755	237,279	263,669	335,490	380,585
Policies Matured or Discontinued	32,685	37,193	38,140	35,132	36,928	43,213	48,437	52,230	56,291	61,147	96,446
	Million Dollars										
Policies in Force											
Amount Insured (End of Period)	13,810	16,422	19,467	23,440	28,612	38,473	48,677	59,455	73,256	88,786	103,893
Premiums	305	333	364	424	539	695	896	1,123	1,393	1,712	2,070
New Policies											
Amount Insured	4,193	4,002	4,786	6,070	7,904	12,819	13,335	14,975	18,638	21,358	24,474
Premiums	79	61	68	98	151	201	250	286	334	397	485
Policies Matured or Discontinued											
Amount Insured	1,112	1,382	1,741	2,097	2,050	2,866	3,130	4,200	4,837	5,825	8,322
Premiums	28	34	37	37	37	44	50	59	64	79	126

Source : The Monetary Authority of Singapore

12.21 REVENUE AND EXPENDITURE ACCOUNTS OF LIFE INSURANCE FUNDS, 1983-1993

Million Dollars

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Total Revenue	1,314	1,528	1,759	2,069	2,511	2,949	3,665	4,611	5,418	6,802	8,823
Balance of Revenue Account at Beginning of Year	927	1,088	1,283	1,463	1,721	2,060	2,470	3,054	3,728	4,542	5,662
Premiums	283	299	341	398	515	654	844	1,076	1,370	2,042	2,493
Net Interest, Dividends & Rents	79	91	102	110	116	145	183	214	245	265	327
Miscellaneous	26	50	34	97	159	90	167	267	74	-47	340
Total Expenditure	1,314	1,528	1,759	2,069	2,511	2,949	3,665	4,611	5,418	6,802	8,823
Claims on Death, Disability & Maturity	50	57	71	86	99	116	138	184	256	333	379
Surrenders	26	33	50	64	63	61	64	62	74	85	119
Cash Bonuses & Annuities	6	5	6	7	7	9	43	54	25	28	39
Management Expenses											
Commission	72	59	64	92	137	181	240	291	324	409	523
Salaries	13	16	19	19	22	27	33	44	54	59	66
Others	28	29	32	26	30	22	50	68	94	104	116
Miscellaneous	20	46	55	54	89	65	44	180	49	122	248
Balance of Revenue Account at End of Year	1,099	1,283	1,463	1,721	2,063	2,468	3,054	3,728	4,542	5,662	7,332

Source : The Monetary Authority of Singapore

12.22 ASSETS OF LIFE INSURANCE FUNDS, 1983-1993
(End of Period)

Million Dollars

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Total	1,197	1,384	1,576	1,852	2,239	2,689	3,299	4,100	4,936	6,290	8,249
Land & Buildings	58	54	52	60	84	96	105	115	131	237	312
Loans	232	269	314	443	519	679	666	802	963	1,074	1,204
On Mortgages	108	111	127	240	292	371	323	348	355	433	580
On Policies	99	123	154	179	201	217	238	274	333	390	470
Others	25	35	33	24	26	90	105	180	276	251	153
Investments	620	702	742	935	1,139	1,321	1,703	2,054	2,686	3,905	5,164
Government & Statutory Authorities	283	355	380	457	519	603	741	843	1,065	1,424	1,418
Debentures & Shares ¹	337	347	362	478	621	717	962	1,211	1,622	2,481	3,745
Cash & Deposits	235	306	404	355	425	504	700	947	957	838	1,290
Miscellaneous (including Outstanding Premiums) ²	52	54	65	59	73	90	125	183	199	236	279

¹ Include other investments.

Source : The Monetary Authority of Singapore

² Include furniture.

12.23 PREMIUMS AND CLAIMS OF GENERAL INSURANCE FUNDS, 1983-1993

Million Dollars

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Total Net Premiums¹	441	441	434	421	443	509	589	693	750	831	968
Marine, Aviation or Transit	71	68	66	63	64	77	84	99	104	113	128
Others	370	373	368	359	379	432	505	594	646	719	840
Fire	70	71	76	72	69	72	78	88	94	100	105
Motor Vehicles	147	159	152	148	166	206	254	298	316	349	397
Miscellaneous	153	143	139	138	144	154	173	209	237	270	339
Total Net Claims²	187	195	221	230	218	225	259	303	361	419	491
Marine, Aviation or Transit	36	28	28	26	26	24	39	45	53	53	50
Others	151	168	193	205	193	201	220	258	308	367	441
Fire	22	20	21	30	19	23	28	29	37	30	39
Motor Vehicles	71	87	99	100	108	111	122	148	169	208	247
Miscellaneous	58	60	73	75	66	67	70	82	103	129	156

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, 1983-1993

Million Dollars

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Total Revenue	1,078	1,126	1,167	1,237	1,362	1,507	1,724	2,032	2,237	2,543	2,926
Balance of Revenue Account at Beginning of Year	88	93	70	96	125	211	249	309	330	425	547
Reserves for Unexpired Risks at Beginning of Year	198	205	208	200	192	204	228	273	310	326	358
Loss Reserves at Beginning of Year	265	305	370	421	434	482	543	621	697	755	831
Net Premiums Written	441	441	434	421	443	509	589	693	750	831	968
Net Interest, Dividends & Rents	50	55	54	47	47	53	64	76	83	76	77
Miscellaneous	36	27	33	52	120	49	52	61	67	130	146
Total Expenditure	1,078	1,126	1,167	1,237	1,362	1,507	1,724	2,032	2,237	2,543	2,926
Net Claims Settled, Loss Reserves at End of Year	490	567	638	677	696	761	868	1,007	1,118	1,253	1,422
Management Expenses											
Commission	73	68	72	69	70	79	93	108	116	127	143
Others	98	103	102	110	107	120	136	157	176	201	225
Miscellaneous	111	110	58	58	71	68	54	108	74	54	38
Balance of Revenue Account at End of Year	101	70	97	125	217	252	307	341	428	550	661
Reserves for Unexpired Risks at End of Year	205	209	200	196	202	227	266	311	326	358	437

Source : The Monetary Authority of Singapore

12.25 ASSETS OF GENERAL INSURANCE FUNDS, 1983-1993
(End of Period)

Million Dollars

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Total	873	907	943	985	1,123	1,259	1,427	1,657	1,844	2,252	2,606
Land & Buildings	43	41	40	36	39	41	50	52	72	108	120
Loans	11	12	13	14	16	23	16	15	20	15	14
Investments	291	302	305	369	469	530	638	695	742	860	979
Government & Statutory Authorities	148	167	172	187	215	241	267	291	332	379	350
Debentures & Shares	143	136	133	183	254	289	371	403	410	482	629
Cash & Deposits	394	413	444	430	458	512	555	687	773	923	1,119
Miscellaneous	134	139	142	137	142	153	168	207	237	345	375

Source : The Monetary Authority of Singapore

CHART 13

TYPE OF BANK DEPOSITS AND LOANS AND ADVANCES TO INDUSTRIES, 1984-1994
(At End of Period)

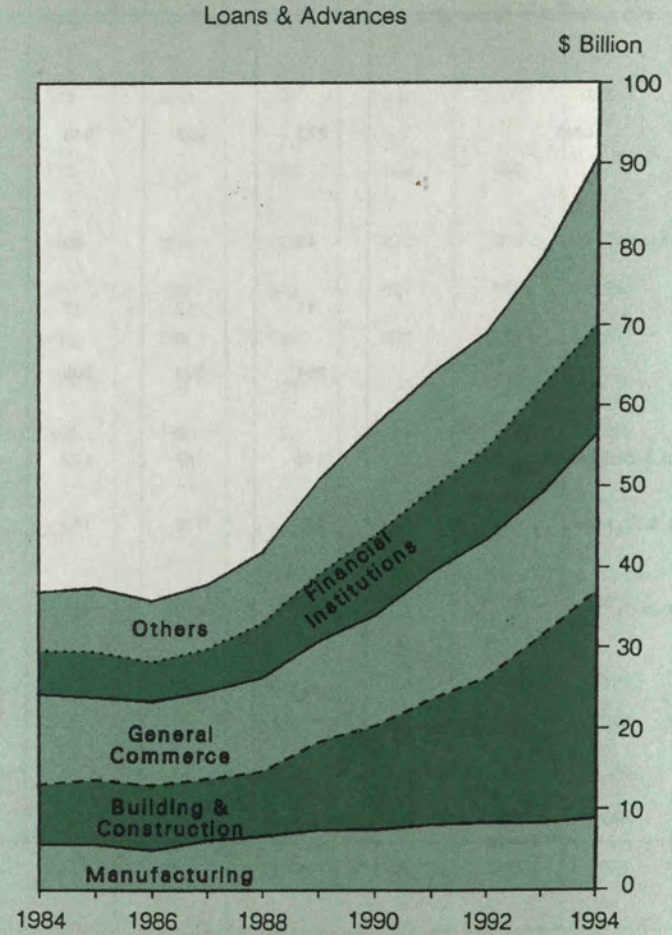
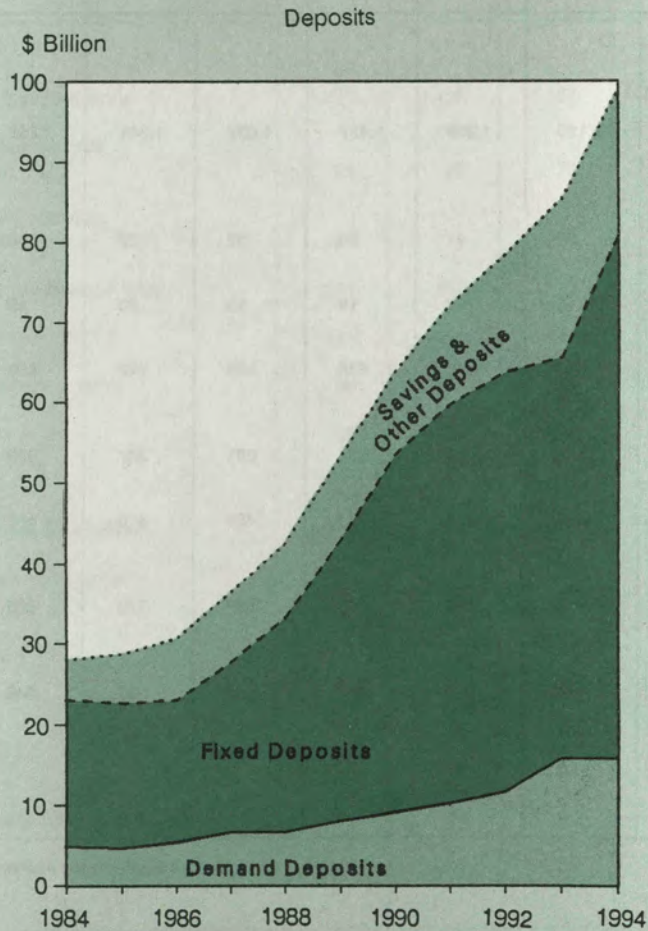
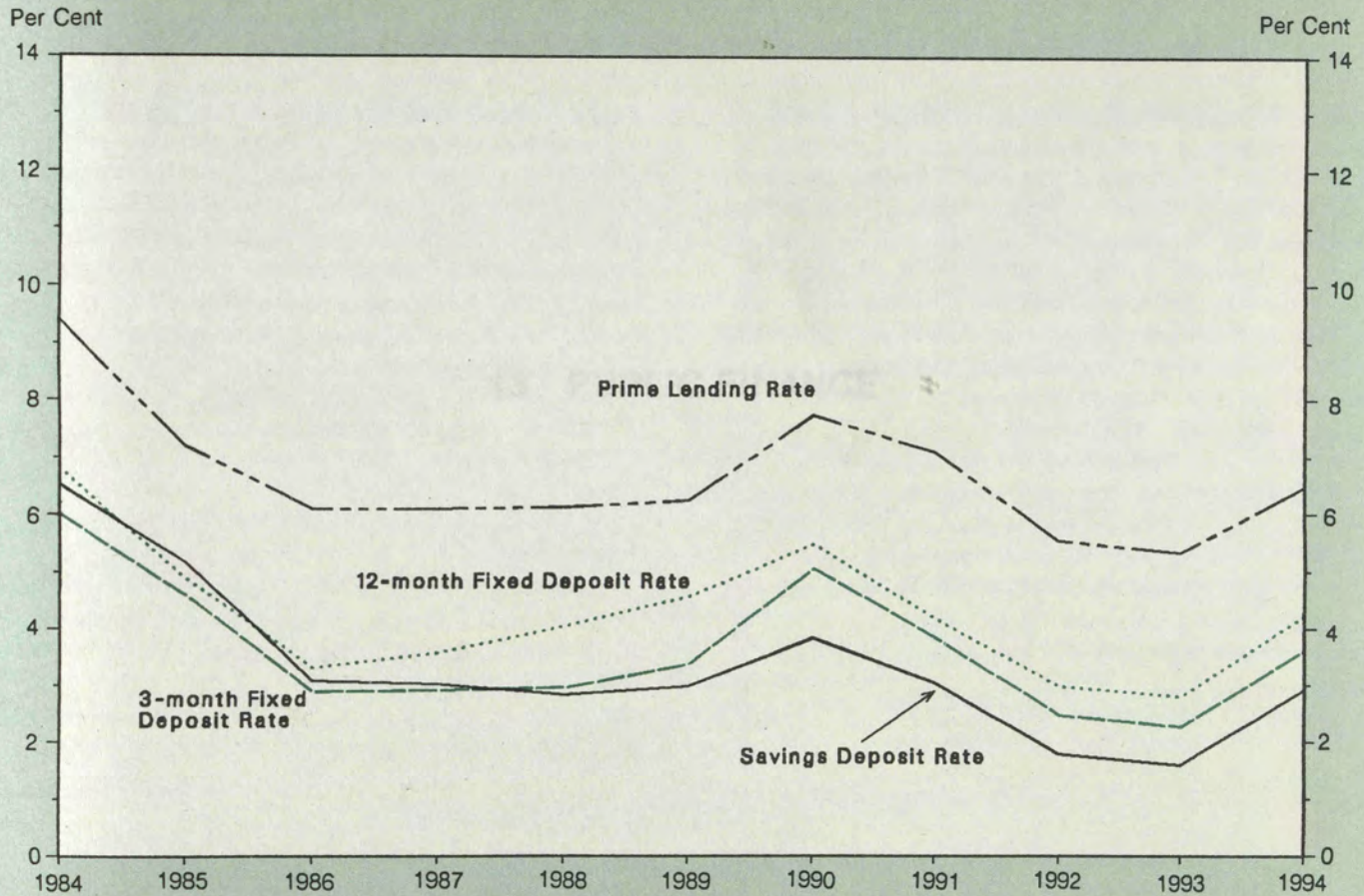


CHART 14

BANK INTEREST RATES, 1984-1994 (At End of Period)



13 PUBLIC FINANCE

Government Revenue and Expenditure

The main revenue collecting agencies 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, film hire and entertainment duties. The IRAS is responsible for the collection of taxes on income and property, goods and services tax, 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 income after the appropriate deductions have been made. Residents in this context refer to persons having stayed in Singapore for a period of 6 months or more during the reference year. From the Year of Assessment 1994, the tax rates range from 2.5% to 30% and for the Year of Assessment 1995, a tax rebate of

\$650 will be given. Deductions include allowances for personal relief, earned income, maintenance of wife, children and dependants, delivery and 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 levy. Special rebates are also available for newborn second, third and fourth children. Non-resident individuals are not entitled to personal reliefs and are normally taxed at a flat rate (15 per cent on employment income and from the Year of Assessment 1994, 27 per cent on other income).

For the Year of Assessment 1994, the corporate income tax rate is 27 per cent. There are various tax incentives in the form of tax exemptions and concessional 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 comprehensive agreements for the avoidance of double taxation with countries which have trading and other interests in Singapore. There are currently agreements in force with 30 countries, namely, Australia, Bangladesh, Belgium, Canada, Denmark, Finland, France, Germany, India, Indonesia, 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, United Kingdom and Vietnam.

A 3 per cent goods and services tax has been introduced since 1 April 1994 to broaden the revenue base and to shift from direct taxes to indirect taxes. The tax is imposed on almost all goods and services supplied in Singapore. The sale and lease of residential properties and certain financial services are exempt. International services and exports of goods are zero-rated.

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 Statements cover 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 and other incomes from investments of the fund and profits arising from the realization of any such investments; and
- iv) re-payments of any loans made from the fund, or 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 for any of the purposes mentioned in (i) and (ii) above.

13.1 GOVERNMENT OPERATING REVENUE, 1989-1994

Million Dollars

	1989	1990	1991	1992	1993	1994 ^P
Total ¹	11,547	13,102	14,852	17,218	19,527	23,280
Tax Revenue	9,606	10,534	12,017	13,759	15,454	18,605
Income Tax	4,389	4,908	6,063	6,863	7,190	8,603
Corporate & Personal Income Tax	3,619	4,396	5,346	6,142	6,749	8,055
Contributions by Statutory Boards	770	512	717	721	441	548
Assets Taxes	939	1,111	1,296	1,465	1,676	1,750
Taxes on Motor Vehicles ²	1,459	1,338	1,164	1,503	1,885	1,966
Customs & Excise Duties	1,262	1,306	1,370	1,526	1,668	1,561
Betting Taxes	410	522	588	695	823	885
Stamp Duty	708	655	589	604	983	1,275
Goods & Services Tax ³	-	-	-	-	-	1,111
Others	440	695	947	1,103	1,228	1,455
Fees & Charges	959	1,499	1,645	2,210	3,018	3,691
Other Receipts ⁴	981	1,070	1,190	1,250	1,056	985

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.

Source : Ministry of Finance

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 Cumulative GST collected from April to December 1994 amounted to \$1,111 million.
After providing \$63 million due in refunds, the net GST collection is \$1,048 million.

⁴ Other receipts exclude repayment of direct loans and advances but include interest on loans.

13.2 GOVERNMENT OPERATING EXPENDITURE, 1989-1994

Million Dollars

	1989	1990	1991	1992	1993	1994 ^P
Total ¹	6,106	7,062	7,805	8,486	9,144	9,700
Security	2,833	3,405	3,790	3,866	4,405	4,413
Social & Community Services	2,360	2,604	2,834	3,459	3,388	3,811
Education	1,595	1,742	1,893	2,462	2,171	2,423
Health	454	457	485	517	635	725
Environment	169	189	201	208	222	250
Public Housing	18	45	53	61	109	125
Others	123	171	203	211	251	289
Economic Services	373	428	434	441	433	574
National Development	225	246	264	262	273	325
Communications	41	31	33	39	38	45
Trade & Industry	86	127	110	109	89	165
Labour	22	25	27	31	33	38
General Services	308	367	470	427	606	564
Pensions	232	257	277	293	312	339

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 and Pensions.

Source : Ministry of Finance

13.3 GOVERNMENT DEVELOPMENT EXPENDITURE, 1989-1994

Million Dollars

	1989	1990	1991	1992	1993	1994 ^P
Total ¹	2,945	4,220	3,525	3,795	3,410	4,418
Security	247	267	389	386	411	489
Social & Community Services	1,332	2,716	1,536	1,593	1,456	1,714
Education	138	229	372	560	663	754
Health	66	48	136	165	116	203
Environment	210	209	502	232	190	219
Public Housing	902	2,144	463	566	396	440
Others	16	86	64	72	91	98
Economic Services	1,085	988	1,397	1,539	1,191	1,754
National Development	492	405	391	482	586	391
Communications	452	334	777	601	332	824
Trade & Industry	125	219	166	212	104	312
Labour	11	10	2	1	1	3
Research & Development	5	20	62	244	168	224
General Services	281	250	203	276	353	462

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, 1984/85-1994/95

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
1984/85	11,718	7,963	2,393	12	5,558	7,217	3,581	3,636	-
1985/86	12,464	5,859	2,262	10	3,587	8,556	3,264	5,292	-
1986/87	9,768	11,105	5,880	3	5,222	10,578	4,635	5,944	-
1987/88	10,295	36,482	1,544	30,826	4,112	7,087	5,548	1,539	-
1988/89	39,690	8,434	-	3,098	5,336	5,188	3,635	1,552	-
1989/90	42,936	9,313	-	4,745	4,568	5,078	4,116	662	300
1990/91	47,170	6,796	-	2,496	4,300	5,004	3,356	1,648	-
1991/92	48,962	5,312	-	2,099	3,213	5,597	3,601	1,996	-
1992/93	48,677	4,936	-	-	4,936	6,375	3,649	2,226	500
1993/94	47,238	5,053	-	-	5,053	7,860	3,895	3,966	-
1994/95 ^P	44,431	2,735	-	-	2,735	12,275	4,559	7,716	-

Source : Accountant-General's Department

13.5 GOVERNMENT DEBT, 1984-1994

Million Dollars

End of Year	Total	Domestic				External ¹					
		Total	Registered Stocks	Treasury Bills & Deposits	Advance Deposits	Total	UK Special Aid	World Bank	Asian Development Bank	Capital Market Loan	Others
1984	28,077	27,436	18,208	1,836	7,392	641	211	122	81	184	43
1985	32,164	31,568	18,107	1,421	12,040	596	205	113	80	164	35
1986	33,793	33,342	17,790	1,998	13,553	451	199	102	74	55	22
1987	38,274	37,971	34,021	2,780	1,170	303	62	72	60	62	47
1988	41,831	41,590	36,973	2,360	2,257	241	51	60	48	52	30
1989	46,210	46,071	40,499	1,900	3,672	139	38	48	37	-	15
1990	51,426	51,358	41,150	2,070	8,138	68	35	14	14	-	5
1991	59,041	59,000	41,810	3,470	13,720	41	25	8	6	-	1
1992	67,253	67,228	56,360	4,940	5,928	24	16	5	3	-	-
1993	69,822	69,810	56,852	4,990	7,969	12	10	2	-	-	-
1994	75,344	75,340	56,502	5,000	13,838	5 ^P	5	-	-	-	-

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, 1984-1994

Million Dollars

Year	Total	Import & Excise Duties					Entertainment Duties	Film Hire Duty	Licence Fees	Miscellaneous Receipts
		Liquors	Tobacco	Petroleum	Motor Vehicles	Others				
1984	1,046	214	227	381	107	61	41	4	5	5
1985	1,023	204	228	432	62	61	21	4	6	6
1986	883	192	228	330	57	47	14	4	6	5
1987	962	219	215	335	114	49	15	4	7	4
1988	1,147	241	250	351	226	45	17	5	7	6
1989	1,297	245	264	409	295	49	17	5	8	5
1990	1,346	236	257	500	256	57	20	5	8	6
1991	1,414	234	307	534	249	55	14	6	9	6
1992	1,576	283	336	558	301	62	15	7	9	6
1993	1,721	281	340	585	416	58	16	8	11	6
1994	1,602	302	327	565	375	3	9	4	12	5

Source : Customs and Excise Department

13.7 REVENUE COLLECTED BY INLAND REVENUE AUTHORITY, 1984-1994

Million Dollars

Year	Total	Income Tax ¹	Property Tax ²	Goods & Services Tax ³	Estate Duty	Stamp Duty	Betting, Sweepstakes & Private Lotteries ⁴	Others ⁵
1984	5,546	3,569	1,204	-	49	281	130	313
1985	4,829	3,000	1,195	-	33	314	140	147
1986	3,618	2,235	719	-	26	413	192	32
1987	3,759	2,339	678	-	26	411	282	24
1988	4,400	2,861	807	-	16	348	342	25
1989	5,715	3,623	912	-	28	718	411	24
1990	6,706	4,415	1,065	-	46	644	514	22
1991	7,850	5,340	1,249	-	46	593	614	9
1992	8,936	6,150	1,441	-	26	621	699	-
1993	10,270	6,798	1,644	-	46	972	810	-
1994	13,081	8,057	1,706	1,110	39	1,282	887	-

¹ Include compounding fees and court attendance fees.

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 Goods & Services Tax (GST) was introduced on 1 April 1994. Cumulative GST collected from April to December 1994 amounted to \$1,110 million. After providing \$63 million due to refunds, the net GST collection was \$1,047 million.

⁴ Include duty on Toto sales.

⁵ Include Skills Development Levy and Payroll Tax. With effect from June 1991, exclude Skill Development Levy as Inland Revenue Authority is no longer collecting this item. Payroll Tax was suspended with effect from April 1985.

Source : Inland Revenue Authority of Singapore

13.8 TAXPAYERS, ASSESSED INCOME AND GROSS TAX ASSESSED, 1992 AND 1993

	Taxpayers			Assessed Income			Gross Tax Assessed			
	Total	Resident	Non-resident	Total	Resident	Non-resident	Total	Resident	Non-resident	
	Number			Million Dollars						
	1992									
	Total	1,111,691	1,082,473	29,218	43,991	40,749	3,242	6,616	6,020	596
	Individuals	1,089,448	1,063,455	25,993	27,732	27,529	203	2,191	2,147	43
	Employees	939,040	914,907	24,133	23,062	22,899	164	1,717	1,683	34
	Sole Proprietors	111,235	109,637	1,598	3,176	3,149	27	297	291	6
	Partners	39,173	38,911	262	1,493	1,481	13	177	173	4
	Companies	20,297	17,072	3,225	16,146	13,107	3,039	4,392	3,839	553
	Trusts	1,178	1,178	-	79	79	-	23	23	-
	Clubs & Associations	768	768	-	35	35	-	11	11	-
	1993									
	Total	1,136,726	1,104,165	32,561	46,690	42,021	4,669	6,806	5,861	945
	Individuals	1,114,930	1,085,892	29,038	29,880	29,642	238	2,376	2,329	47
	Employees	971,480	944,416	27,064	25,187	24,983	205	1,896	1,856	40
	Sole Proprietors	106,132	104,262	1,870	3,160	3,133	27	295	289	6
	Partners	37,318	37,214	104	1,532	1,527	6	185	183	2
	Companies	19,697	16,174	3,523	16,679	12,248	4,431	4,393	3,495	898
	Trusts	1,526	1,526	-	104	104	-	29	29	-
Clubs & Associations	573	573	-	27	27	-	8	8	-	

Notes : Figures for Year of Assessment 1992 refer to assessment made during the period 1.1.92 to 31.12.93 (24 months).
 Figures for Year of Assessment 1993 refer to assessment made during the period 1.1.93 to 31.12.93 (12 months).

Source : Inland Revenue Authority of Singapore

**13.9 ASSESSED INCOME AND GROSS TAX ASSESSED ON INDIVIDUALS
BY ASSESSED INCOME GROUP, 1992 AND 1993**

Assessed Income Group (\$)	Taxpayers			Assessed Income			Gross Tax Assessed		
	Total	Resident	Non-resident	Total	Resident	Non-resident	Total	Resident	Non-resident
	Number			Million Dollars					
	1992								
Total	1,089,448	1,063,455	25,993	27,732	27,529	203	2,191	2,147	43
6,000 & below	85,019	64,377	20,642	368	316	51	12	4	8
6,001 - 8,000	72,947	71,776	1,171	518	510	8	9	7	2
8,001 - 10,000	106,217	105,613	604	962	956	5	16	15	1
10,001 - 15,000	251,716	250,784	932	3,115	3,103	12	63	61	3
15,001 - 20,000	167,650	167,100	550	2,905	2,896	10	77	75	2
20,001 - 30,000	176,968	176,218	750	4,300	4,282	18	154	150	4
30,001 - 50,000	124,312	123,610	702	4,723	4,696	27	256	250	6
50,001 - 100,000	73,012	72,524	488	4,929	4,896	33	452	444	8
100,001 - 200,000	23,652	23,547	105	3,217	3,203	14	505	502	4
200,001 - 1,000,000	7,797	7,752	45	2,419	2,401	18	561	556	5
1,000,001 and above	158	154	4	276	269	7	85	83	2
	1993								
Total	1,114,930	1,085,892	29,038	29,880	29,642	238	2,376	2,329	47
6,000 & below	74,717	52,209	22,508	320	259	61	12	3	10
6,001 - 8,000	66,745	65,274	1,471	474	464	10	8	7	2
8,001 - 10,000	96,143	95,381	762	871	865	7	15	14	1
10,001 - 15,000	248,864	247,822	1,042	3,093	3,080	13	62	60	3
15,001 - 20,000	178,767	178,107	660	3,103	3,091	12	81	79	2
20,001 - 30,000	193,595	192,692	903	4,710	4,688	22	165	161	5
30,001 - 50,000	139,895	139,026	869	5,312	5,279	34	281	274	7
50,001 - 100,000	81,136	80,470	666	5,475	5,430	45	491	481	9
100,001 - 200,000	26,273	26,159	114	3,566	3,551	15	554	550	4
200,001 - 1,000,000	8,640	8,599	41	2,662	2,647	15	615	611	4
1,000,001 and above	155	153	2	293	288	5	91	90	1

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,
1992 AND 1993**

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	1992								
	20,297	17,072	3,225	16,146	13,107	3,039	4,392	3,839	553
	5,480	4,361	1,119	22	18	5	7	5	1
	2,349	1,933	416	34	28	6	11	9	2
	1,506	1,242	264	37	31	6	11	10	2
	2,549	2,143	406	111	93	18	34	29	5
	1,709	1,484	225	132	115	17	41	35	5
	2,977	2,619	358	521	461	61	159	141	18
	986	883	103	386	346	40	117	105	12
	1,021	921	100	724	654	71	219	199	20
	979	868	111	1,683	1,488	196	504	448	56
	251	219	32	974	848	126	286	252	34
	490	399	91	11,522	9,028	2,495	3,004	2,606	397
	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	1993							
19,697		16,174	3,523	16,679	12,248	4,431	4,393	3,495	898
4,959		3,831	1,128	20	16	5	6	5	1
2,220		1,758	462	33	26	7	10	8	2
1,394		1,139	255	35	29	6	10	9	2
2,572		2,110	462	113	93	20	34	28	6
1,880		1,587	293	147	124	23	44	37	7
2,991		2,553	438	531	454	77	157	135	23
977		861	116	384	337	47	113	100	13
976		858	118	694	611	83	204	181	23
992		877	115	1,717	1,513	204	491	438	54
254		210	44	997	818	179	282	236	46
482		390	92	12,010	8,229	3,781	3,041	2,320	721

Note : See notes to Table 13.8.

Source : Inland Revenue Authority of Singapore

14 PRICES

The CPI is published in the Department's "Monthly Digest of Statistics," four detailed CPI data and analysis of consumer price changes are available in the monthly report on the Consumer Price Index information on the methodology they also be obtained from the report. The Consumer Price Index Singapore, based on Household Expenditure Survey 1967/68.

The index is compiled monthly using the data collected from the Household Expenditure Survey. The index is weighted to reflect the relative importance of the various items in the basket of goods and services consumed by the average household in the preceding year to obtain the annual rate of inflation for the year.

The Consumer Price Index measures the price changes over time of a basket of goods and services commonly consumed in Singapore. The basket is based on the list of goods and services which formed the Household Expenditure Survey conducted from October 1967 to September 1968. The expenditure records of 5,000 households with monthly expenditures of \$2,000.00 were used as the weighting pattern. These households constituted the central 80 per cent of all households surveyed.

The Consumer Price Index is calculated by averaging the price changes of the various items in the basket. The index is expressed as a percentage of the price level in the base year, 1967/68. The index is published monthly and is used as a measure of the rate of inflation in Singapore.

Other Price Indices

Our price index consists of the Consumer Price Index and the Retail Price Index. The Retail Price Index is a measure of the price changes of the various items in the basket of goods and services consumed by the average household in the preceding year to obtain the annual rate of inflation for the year.

The index is compiled monthly using the data collected from the Household Expenditure Survey. The index is weighted to reflect the relative importance of the various items in the basket of goods and services consumed by the average household in the preceding year to obtain the annual rate of inflation for the year.

The Consumer Price Index measures the price changes over time of a basket of goods and services commonly consumed in Singapore. The basket is based on the list of goods and services which formed the Household Expenditure Survey conducted from October 1967 to September 1968. The expenditure records of 5,000 households with monthly expenditures of \$2,000.00 were used as the weighting pattern. These households constituted the central 80 per cent of all households surveyed.

The Consumer Price Index is calculated by averaging the price changes of the various items in the basket. The index is expressed as a percentage of the price level in the base year, 1967/68. The index is published monthly and is used as a measure of the rate of inflation in Singapore.

Consumer Price Index (CPI)

The Consumer Price Index measures the price changes over time of a fixed basket of goods and services commonly consumed by households. The latest series is based on the list of items and weighting pattern derived from the Household Expenditure Survey conducted from October 1992 to September 1993. The expenditure records of 5,692 households with monthly expenditure of \$820-\$8,300 were used as the weighting pattern. These households constituted the central 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. This yearly index is compared with that of the preceeding year to obtain the annual rate of inflation for the year.

The CPI is published in the Department's "Monthly Digest of Statistics". More detailed CPI data and analysis of consumer price changes are available in the monthly report on the Consumer Price Index. Information on the methodology may also be obtained from the report "The Consumer Price Index, Singapore, based on Household Expenditure Survey 1992/93".

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 housing estates and retail centres. With effect from 1 April 1994, retail prices refer to total prices inclusive of GST.

The frequency of pricing depends on the price stability of the items. Prices are collected thrice every week for perishable food items such as fish, vegetables, meat and poultry and weekly for sundries and provisions. Clothing materials, furniture, consumer durables etc as well as items of services are priced monthly. For items with infrequent price fluctuations eg house rents, school fees, public utilities charges, bus fares, they are priced quarterly, yearly or as and when their prices are revised. A total of 3,296 items are selected for regular pricing including brands, varieties and grades.

Other Price Indices

Other price indices consist of the Domestic Supply Price Index and Indices on Singapore manufactured products,

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 for 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 Guide to Singapore Manufactured Products Price Index and the A Guide to Domestic Supply Price Index.

The collection and compilation of data for the Property Price Index and Commercial Property Rental Index are undertaken by the Urban Redevelopment Authority and Building Materials Price Index by 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, 1984-1994

Section	All Items	Food	Clothing	Housing	Transport & Communications	Education	Health	Miscellaneous
Weights ¹	10,000	2,995	606	2,341	1,583	573	280	1,622
Period								
October 1992 - September 1993 = 100								
1984	86.8	96.0	94.2	87.4	78.3	66.8	76.7	78.6
1985	87.2	94.9	71.7	89.6	80.9	69.0	77.8	79.1
1986	86.0	93.5	89.6	87.9	77.8	74.2	77.7	78.9
1987	86.4	93.3	89.9	87.0	78.7	76.0	78.8	81.3
1988	87.8	94.6	93.0	87.3	79.4	79.6	80.6	83.1
1989	89.8	96.0	94.5	88.6	83.0	82.5	82.9	86.2
1990	92.9	96.7	95.4	93.6	89.4	86.7	86.9	89.3
1991	96.1	98.2	97.0	95.4	95.7	92.9	94.7	93.6
1992	98.3	99.5	99.2	97.4	98.5	97.3	97.4	96.5
1993	100.5	100.3	100.3	100.5	101.0	100.5	101.0	100.5
1994	103.6	103.9	102.6	101.8	107.8	103.0	104.2	102.3
Percentage Change Over Previous Year								
1984	2.6	1.5	-0.4	2.1	3.8	2.3	13.2	5.3
1985	0.5	-1.2	-2.5	2.5	3.3	3.4	1.5	0.7
1986	-1.4	-1.4	-2.3	-1.9	-3.8	7.4	-0.2	-0.2
1987	0.5	-0.2	0.3	-1.0	1.1	2.5	1.5	3.0
1988	1.5	1.4	3.4	0.3	0.9	4.6	2.2	2.2
1989	2.4	1.5	1.6	1.5	4.5	3.7	2.9	3.7
1990	3.4	0.8	0.9	5.7	7.8	5.1	4.8	3.6
1991	3.4	1.5	1.7	1.8	7.0	7.1	9.0	4.8
1992	2.3	1.3	2.2	2.1	2.9	4.7	2.8	3.2
1993	2.3	0.8	1.2	3.2	2.6	3.3	3.7	4.1
1994	3.1	3.6	2.2	1.3	6.7	2.5	3.1	1.7

¹ The weights refer to the consumption pattern of 1992/93 and are used in the computation of the indices for the years 1993-1994. Indices for the years 1984-1988 and 1989-1992 relate to the consumption patterns of 1982/83 and 1987/88 respectively.

14.2 PRICE INDICES OF SELECTED CONSUMER ITEMS, 1984-1994
(October 1992 - September 1993 = 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 Period	55	139	20	34	216	13	237	10	23	141
1984	76.8	139.2	107.4	108.2	105.8	111.5	65.5	59.7	60.4	68.7
1985	76.8	138.2	107.0	108.2	117.1	123.8	72.0	59.7	60.4	71.7
1986	83.7	122.1	95.0	95.8	83.3	86.5	72.9	59.7	60.4	72.0
1987	93.3	110.9	87.3	88.0	79.8	82.7	72.9	59.7	60.4	74.6
1988	93.3	108.3	82.6	88.9	75.5	78.1	74.0	66.1	63.0	76.7
1989	93.3	102.4	84.4	87.6	83.7	87.3	90.6	68.2	65.8	79.4
1990	93.3	108.3	89.0	91.8	97.5	101.1	99.3	68.2	70.8	84.1
1991	94.6	107.1	100.0	101.5	101.8	101.4	99.6	85.3	89.6	95.1
1992	96.2	98.4	100.0	100.0	101.1	100.8	99.9	96.4	98.1	97.3
1993	101.4	100.2	100.0	100.0	99.7	99.6	100.2	100.4	100.1	101.3
1994	102.3	98.3	102.6	98.5	99.2	98.3	103.3	102.2	105.6	105.0

Note : See note to Table 14.1

14.3 RETAIL PRICES OF SELECTED FOODSTUFFS, 1984-1994

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
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
1994	5.26	1.76	.76	.84	6.10	7.19	12.90	10.22	4.73	1.09	15.13	1.43

14.3 RETAIL PRICES OF SELECTED FOODSTUFFS, 1984-1994 (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			
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
1994	5.22	5.85	34.44	18.59	9.38	5.90	24.22	6.95	1.82	1.93	2.07	2.93

14.3 RETAIL PRICES OF SELECTED FOODSTUFFS, 1984-1994 (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
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
1994	2.33	2.38	4.45	1.06	1.29	.37	.33	.63	.95	11.23	3.29	5.51

14.4 PRICE INDICES OF SELECTED FARM PRODUCTS, 1984-1994
(1985 = 100)

Period	Pigs	Fowls	Ducks	Hen Eggs	Leafy Vegetables	Fruit Vegetables	Root Vegetables	Fresh Fish
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
1994	91.3	116.1	92.5	96.2	90.9	113.1	120.9	107.9

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.

14.5 PRODUCE PRICES, 1984-1994

Year	Rubber							Pepper		Coffee AP 1	Crude Coconut Oil (In Drums)	Tin
	Ribbed Smoked Sheet			Thin Pale Crepe		SSR 20	SSR 50	Black Lampung	White Muntok Genuine			
	Int 2	Int 3	Int 4	Int 1	Int 9							
	Cents Per kilogram (fob)											
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	) na	) na	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
1994	174.26	173.26	167.57	224.99	230.99	175.56	173.56	286.54	449.57	402.27	102.50	14.19

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

Source : Rubber Association of Singapore
Chinese Produce Exchange

14.6 DOMESTIC SUPPLY PRICE INDEX, 1985-1994

(1990 = 100)

Item	Weights	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
All Items	10,000	107.0	90.8	97.6	95.8	98.3	100.0	95.9	91.7	89.2	87.3
Food	407	94.9	94.9	95.8	100.3	103.2	100.0	96.7	96.5	93.4	95.5
Live animals	31	92.3	94.4	97.8	106.6	110.0	100.0	82.3	94.0	87.9	87.3
Meat & meat preparations	33	92.3	94.3	94.5	93.6	101.7	100.0	98.9	93.3	89.3	92.9
Dairy produce & eggs	39	78.7	79.2	76.3	85.3	98.1	100.0	94.1	92.0	91.7	89.6
Fish & fish preparations	57	85.6	91.8	96.1	102.0	99.1	100.0	108.3	117.4	108.8	112.7
Cereals & cereal preparations	60	96.0	89.9	90.3	101.2	107.5	100.0	96.7	97.9	97.1	96.0
Vegetables & fruits	75	91.4	98.5	100.6	102.6	98.4	100.0	104.3	101.5	96.9	95.9
Sugar & sugar preparations	27	93.7	85.3	90.1	88.4	106.8	100.0	78.4	71.8	75.0	78.8
Coffee etc & spices	46	147.8	140.6	132.2	129.6	124.6	100.0	89.0	80.2	77.1	91.3
Animal feeding stuff	11	91.3	89.8	93.2	105.1	104.9	100.0	98.4	101.3	99.8	98.5
Miscellaneous food preparations	28	114.7	102.7	102.4	98.2	97.4	100.0	100.1	98.2	99.1	100.3
Beverages & Tobacco	102	85.5	87.0	91.2	92.2	97.9	100.0	105.4	108.1	112.4	113.6
Beverages	55	86.9	88.6	91.1	93.2	99.4	100.0	100.7	105.5	107.4	107.9
Tobacco & manufactures	47	83.6	84.9	91.5	91.0	95.9	100.0	110.9	111.1	118.4	120.2
Crude Materials	133	99.9	95.5	99.0	106.3	101.0	100.0	98.2	93.1	94.6	96.7
Oil seeds, nuts, & kernels	7	115.3	93.8	94.2	112.8	115.2	100.0	97.1	93.3	89.1	93.1
Crude rubber incl synthetic	16	108.2	113.2	132.6	151.2	118.5	100.0	94.3	93.2	89.3	112.3
Cork & wood	28	82.5	85.3	87.3	91.4	92.9	100.0	101.1	101.3	112.3	119.6
Textile fibres & waste	7	146.0	114.3	116.3	118.9	121.7	100.0	101.5	92.6	90.6	86.5
Crude fertilizers & minerals	36	99.4	89.4	83.5	81.7	80.7	100.0	100.8	85.9	87.1	87.2
Metallic ores & scrap	22	96.6	94.4	99.0	106.9	102.0	100.0	90.2	82.0	81.6	79.9
Crude materials nec	17	96.7	94.1	100.9	117.0	123.2	100.0	100.9	109.1	107.1	91.6
Mineral Fuels	2,119	145.8	79.2	96.1	75.5	85.7	100.0	89.0	80.2	71.7	66.6
Petroleum & products	2,110	145.8	78.9	96.0	75.5	85.7	100.0	88.9	80.2	71.6	66.6
Gas	9	162.9	126.9	100.0	88.5	88.3	100.0	104.8	94.5	87.8	78.7
Animal & Vegetable Oils	71	176.9	103.9	119.3	144.4	120.0	100.0	109.4	118.3	114.1	138.2
Vegetable oil unprocessed	37	150.6	94.1	104.6	124.8	118.9	100.0	109.3	120.7	115.4	143.0
Other animal & vegetable oils	34	186.6	107.5	124.7	151.6	120.3	100.0	109.6	115.6	112.7	133.0

14.6 DOMESTIC SUPPLY PRICE INDEX, 1985-1994 (continued)
(1990 = 100)

Item	Weights	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Chemicals & Chemical Products	747	93.6	93.5	99.5	111.2	105.6	100.0	100.6	94.7	91.8	90.0
Organic chemicals	133	93.0	90.8	96.6	119.9	109.5	100.0	99.2	84.8	80.4	80.4
Inorganic chemicals	43	93.8	94.8	109.6	112.6	104.5	100.0	98.6	95.3	93.0	91.5
Dyes & colours	54	92.7	89.8	95.4	101.2	102.0	100.0	97.2	95.0	96.3	93.4
Medicinal products	28	118.5	119.3	121.1	114.5	101.4	100.0	99.6	99.0	98.1	99.3
Perfume, toilet preparations	50	85.6	89.1	89.8	93.2	99.6	100.0	96.6	95.2	94.7	93.8
Plastics in primary forms	119	102.1	97.2	97.2	97.7	100.0	100.0	95.8	86.2	79.4	87.5
Plastics in non-primary forms	61	90.5	92.1	102.7	123.1	109.9	100.0	99.7	94.5	92.4	90.7
Chemical products nec	259	101.4	100.2	97.6	97.2	102.2	100.0	105.6	103.0	100.8	93.3
Manufactured Goods	1,457	83.3	83.4	87.5	94.8	100.2	100.0	99.2	95.4	93.8	93.5
Leather products nec	12	65.4	64.7	73.3	88.9	95.6	100.0	85.0	104.0	91.0	93.5
Rubber manufactures nec	37	86.4	92.2	95.1	99.6	100.7	100.0	99.6	97.4	100.1	101.9
Wood & cork manufactures	47	85.5	86.6	94.0	108.4	105.8	100.0	99.0	99.0	109.3	109.4
Paper manufactures	165	81.4	86.0	93.8	102.6	105.7	100.0	96.0	92.7	89.0	88.6
Textile manufactures	225	97.8	94.4	100.2	101.4	100.6	100.0	100.7	95.6	86.8	86.8
Non-metal mineral manufactures	209	84.3	80.6	79.9	80.5	91.2	100.0	102.2	99.9	98.8	98.3
Iron & steel	289	78.0	79.0	85.6	98.8	104.1	100.0	99.8	90.6	88.3	85.4
Non-ferrous metals	149	88.1	78.8	84.5	111.7	119.4	100.0	90.1	86.6	90.1	94.7
Metal manufactures	324	77.1	81.9	84.9	90.6	97.0	100.0	101.9	100.9	101.5	100.8
Machinery & Transport Equipment	3,903	96.9	101.5	103.8	105.5	103.6	100.0	96.2	93.5	92.8	90.9
Power generating machinery	267	96.1	100.2	101.8	103.8	102.7	100.0	98.4	90.8	95.8	91.4
Industrial machinery	216	105.3	107.6	113.5	121.5	103.0	100.0	111.1	108.1	111.6	113.9
Metalworking machinery	74	98.2	96.6	95.0	100.1	104.6	100.0	102.4	103.7	112.6	116.4
General industrial machinery	376	73.4	80.0	86.6	92.9	93.9	100.0	102.1	102.2	105.3	105.6
Office & data machines	743	117.8	108.6	107.8	106.1	106.3	100.0	93.6	90.3	90.2	82.0
Telecommunication apparatus	569	95.2	104.2	104.3	104.0	103.3	100.0	97.6	95.2	95.1	92.6
Electrical machinery nec	1,458	103.8	108.3	109.0	108.4	106.4	100.0	91.7	87.8	82.4	82.0
Road vehicles	200	77.8	97.7	105.8	113.6	109.8	100.0	101.9	108.2	117.7	120.6
Miscellaneous Manufactures	1,061	91.6	97.4	101.0	103.8	101.9	100.0	98.4	96.2	95.9	95.2
Prefab building, sanitary, lighting	19	99.4	102.9	104.1	102.2	98.0	100.0	98.6	98.8	101.3	101.1
Furniture, bedding, mattresses	67	90.4	94.8	97.3	101.0	100.5	100.0	101.2	100.1	100.5	103.6
Travel goods	38	88.5	90.0	93.6	97.9	99.2	100.0	101.1	101.1	101.7	98.4
Clothing	122	87.8	89.2	91.9	94.6	98.9	100.0	97.7	98.0	98.8	96.6
Footwear	33	86.2	96.6	99.1	98.6	97.8	100.0	95.8	95.5	95.5	93.0
Scientific instruments	116	104.6	104.6	104.5	104.6	102.8	100.0	103.5	103.1	108.9	109.4
Photographic apparatus	163	82.7	91.8	98.2	104.0	100.3	100.0	96.7	95.4	95.3	95.4
Miscellaneous mfd articles nec	503	94.1	101.4	105.4	107.9	104.2	100.0	97.5	93.4	91.3	90.1

14.7 SINGAPORE MANUFACTURED PRODUCTS PRICE INDEX, 1985-1994
(1990 = 100)

Item	Weights	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
All Items	10,000	110.1	93.8	95.9	94.1	96.2	100.0	92.7	86.4	83.1	80.2
Food	349	103.7	102.1	100.8	97.8	100.3	100.0	95.3	93.2	94.2	97.0
Meat & meat preparations	10	94.0	97.8	97.5	97.4	99.9	100.0	96.7	92.6	92.6	95.4
Dairy produce & eggs	53	88.8	85.5	84.0	85.9	96.3	100.0	98.2	97.8	95.5	94.1
Fish & fish preparations	19	98.2	97.0	97.9	99.6	100.0	100.0	99.7	103.6	106.6	110.3
Cereals & cereal preparations	60	95.0	94.7	93.4	94.6	97.4	100.0	100.4	101.9	103.5	104.7
Vegetables & fruits	17	97.9	98.8	99.1	99.0	99.6	100.0	98.5	97.7	97.8	98.4
Sugar & sugar preparations	28	120.2	100.3	100.4	83.9	102.0	100.0	83.7	73.1	76.0	80.5
Coffee etc & spices	88	142.2	154.2	154.3	132.5	115.2	100.0	89.3	82.5	84.0	90.7
Animal feeding stuff	17	93.0	91.3	88.3	93.0	100.3	100.0	95.0	97.7	97.7	97.7
Miscellaneous food preparations	57	102.3	95.9	92.5	93.7	93.9	100.0	99.8	100.1	102.2	104.6
Beverages & Tobacco	102	83.8	83.6	87.2	89.0	97.9	100.0	106.4	112.7	122.4	127.0
Beverages	63	90.9	90.5	90.6	92.4	101.7	100.0	101.0	106.0	108.1	110.8
Tobacco & manufactures	39	74.3	74.0	82.6	84.3	92.8	100.0	115.2	123.7	145.4	153.3
Crude Materials	421	100.6	99.3	108.0	117.2	101.6	100.0	99.9	90.2	90.0	98.0
Crude rubber incl synthetic	123	107.9	113.3	133.1	150.9	118.6	100.0	96.3	95.4	91.5	121.7
Cork & wood	55	89.3	88.6	89.0	97.7	97.6	100.0	101.0	101.0	103.9	108.8
Crude fertilizers & minerals	150	95.9	86.4	79.4	77.8	77.2	100.0	107.1	85.1	86.4	84.4
Metallic ores & scrap	68	123.8	106.2	108.5	107.7	108.1	100.0	91.5	82.3	84.3	83.3
Crude materials nec	25	63.8	66.9	87.8	96.3	96.4	100.0	94.6	93.6	90.0	80.2
Mineral Fuels	1,552	140.3	82.7	89.7	75.3	83.8	100.0	90.2	75.9	70.9	62.2
Petroleum & products	1,530	140.2	82.5	89.7	75.1	83.9	100.0	89.9	75.6	70.5	61.9
Gas	22	147.1	100.3	91.9	88.3	81.9	100.0	110.7	102.5	98.3	88.5
Animal & Vegetable Oils	113	135.4	93.2	99.6	117.2	113.9	100.0	101.1	106.9	104.8	111.6
Vegetable oil unprocessed	62	129.9	85.9	95.9	114.3	115.6	100.0	99.1	108.9	104.6	110.3
Other animal & vegetable oils	51	139.0	97.8	101.8	119.0	112.9	100.0	103.5	104.6	105.2	113.1

14.7 SINGAPORE MANUFACTURED PRODUCTS PRICE INDEX, 1985-1994 (continued)
(1990 = 100)

Item	Weights	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Chemicals & Chemical Products	725	95.9	92.5	102.4	119.7	108.2	100.0	97.2	89.1	85.2	85.2
Organic chemicals	140	96.2	84.1	96.0	116.9	110.7	100.0	96.9	77.0	66.9	67.7
Inorganic chemicals	43	105.6	104.8	109.8	110.9	102.7	100.0	95.5	89.8	84.3	82.1
Dyes & colours	60	86.9	86.6	91.4	96.0	99.8	100.0	98.0	96.9	98.5	96.1
Medicinal products	148	111.3	116.8	115.9	111.8	109.4	100.0	100.2	103.4	102.5	100.1
Perfume, toilet preparations	26	97.5	95.1	96.2	97.0	100.9	100.0	99.8	95.1	93.7	90.4
Plastics in primary forms	188	-	-	na	na	na	100.0	91.1	77.4	72.0	76.1
Plastics in non-primary forms	32	89.0	90.0	110.8	149.0	114.3	100.0	96.5	95.5	91.4	87.7
Chemical products nec	88	103.6	100.5	99.7	100.9	100.2	100.0	105.0	99.8	99.8	99.0
Manufactured Goods	872	85.6	82.6	82.3	87.0	95.6	100.0	98.6	94.6	93.7	92.8
Rubber manufactures nec	15	117.9	94.0	92.9	97.4	101.1	100.0	95.0	87.7	94.6	93.0
Wood & cork manufactures	37	87.5	87.6	95.6	104.4	101.7	100.0	99.0	93.7	100.5	106.6
Paper manufactures	135	89.3	88.5	90.7	95.5	97.1	100.0	99.2	96.4	97.4	93.6
Textile manufactures	44	95.7	96.9	105.4	106.3	106.2	100.0	94.8	89.6	85.2	85.5
Non-metal mineral manufactures	144	83.3	77.3	72.8	72.1	85.1	100.0	104.4	100.5	99.9	101.4
Iron & steel	143	85.2	83.4	83.6	91.3	99.9	100.0	93.2	83.9	81.3	78.9
Non-ferrous metals	26	119.8	89.5	95.1	109.5	122.2	100.0	95.3	91.4	90.6	83.1
Metal manufactures	328	81.0	81.0	80.0	86.6	97.0	100.0	98.9	97.2	95.3	95.0
Machinery & Transport Equipment	4,980	107.8	104.3	102.3	100.5	99.8	100.0	89.4	84.5	80.3	76.5
Power generating machinery	72	102.3	108.4	105.8	101.9	101.1	100.0	96.0	91.8	95.8	97.1
Industrial machinery	116	111.6	103.2	104.3	107.4	97.6	100.0	103.3	101.6	100.9	101.5
Metalworking machinery	26	90.8	89.6	89.5	92.4	97.9	100.0	98.2	97.5	95.5	95.9
General industrial machinery	250	95.8	96.5	97.5	97.7	100.3	100.0	101.9	99.2	94.7	93.1
Office & data machines	1,810	139.2	122.7	115.5	113.5	109.0	100.0	81.4	72.9	65.5	59.2
Telecommunication apparatus	1,121	112.6	109.5	106.9	103.6	101.6	100.0	93.5	93.1	90.2	88.1
Electrical machinery nec	1,544	94.3	95.5	95.4	93.4	95.1	100.0	92.5	87.5	85.3	82.4
Road vehicles	41	116.9	108.8	102.7	100.8	103.2	100.0	83.0	88.8	87.3	85.3
Miscellaneous Manufactures	886	95.2	97.6	99.1	101.0	101.0	100.0	98.5	95.7	92.8	91.3
Prefab building, sanitary, lighting	6	84.1	82.6	79.0	79.0	82.2	100.0	100.1	106.0	109.0	108.1
Furniture, bedding, mattresses	76	100.6	98.8	99.5	101.3	101.3	100.0	102.3	101.4	103.1	107.9
Travel goods	4	100.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Clothing	217	85.5	87.1	89.2	90.6	97.3	100.0	99.2	98.5	100.9	98.8
Footwear	6	88.5	88.5	90.7	94.1	95.2	100.0	99.8	99.1	97.6	92.6
Scientific Instruments	64	141.7	134.9	118.2	111.1	103.9	100.0	99.7	99.4	96.8	92.3
Photographic apparatus	37	114.0	112.3	113.1	112.0	100.3	100.0	98.7	95.4	101.9	102.2
Miscellaneous mfd articles nec	476	96.2	101.1	103.6	106.5	103.6	100.0	97.4	92.8	86.0	84.0

14.8 IMPORT PRICE INDEX, 1985-1994
(1990 = 100)

Item	Weights	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
All Items	10,000	105.3	93.0	100.6	101.1	100.9	100.0	96.8	93.5	91.6	90.7
Food	442	103.8	103.8	103.7	107.8	107.0	100.0	97.5	96.9	92.4	96.8
Live animals	29	92.9	95.0	98.4	107.2	110.4	100.0	82.3	94.0	87.9	87.3
Meat & meat preparations	32	92.5	93.3	93.2	93.0	102.4	100.0	99.3	93.1	87.9	91.4
Dairy produce & eggs	33	75.7	77.3	74.1	85.1	99.0	100.0	91.8	89.5	90.6	87.3
Fish & fish preparations	82	86.5	91.0	98.4	105.7	100.1	100.0	109.7	119.8	108.4	109.0
Cereals & cereal preparations	41	96.4	87.4	89.5	103.8	112.2	100.0	94.0	94.8	91.8	89.3
Vegetables & fruits	103	94.5	99.8	101.2	103.2	99.0	100.0	105.3	101.8	95.6	92.6
Sugar & sugar preparations	18	78.4	76.6	84.2	91.1	109.6	100.0	78.2	74.2	77.1	80.2
Coffee etc & spices	78	193.7	200.6	178.5	155.6	127.1	100.0	87.4	77.9	77.9	107.3
Animal feeding stuff	8	90.6	88.5	97.6	115.6	109.1	100.0	101.4	104.4	101.8	99.4
Miscellaneous food preparations	18	136.9	115.0	114.0	102.2	97.7	100.0	99.4	95.6	95.0	95.2
Beverages & Tobacco	130	89.3	93.1	97.6	97.2	98.3	100.0	107.7	107.2	108.3	106.2
Beverages	49	82.6	86.7	91.8	94.2	96.7	100.0	102.7	110.0	113.4	110.8
Tobacco & manufactures	81	97.8	101.2	104.8	101.1	100.4	100.0	110.8	105.4	105.2	103.5
Crude Materials	267	107.6	106.7	117.5	133.8	113.1	100.0	96.5	95.3	94.9	106.7
Hides, skins undressed	2	122.5	109.0	115.7	135.9	127.2	100.0	98.7	97.8	100.0	99.0
Oil seeds, nuts, kernels	14	119.7	92.0	97.5	117.6	118.0	100.0	98.1	94.6	90.7	94.3
Crude rubber incl synthetic	122	110.1	114.3	132.1	155.0	118.2	100.0	94.6	94.5	90.2	115.6
Cork & wood	47	85.7	86.5	85.9	89.0	91.8	100.0	100.9	101.4	113.5	122.2
Textile fibres & waste	13	151.5	118.3	117.5	118.2	118.9	100.0	98.1	90.8	92.2	90.0
Crude fertilizers & minerals	17	112.6	104.5	100.6	95.2	91.8	100.0	94.5	87.4	88.5	90.6
Metallic ores & scrap	22	105.7	91.7	95.0	99.6	101.5	100.0	90.2	82.9	80.2	75.2
Crude materials nec	30	113.0	107.5	109.9	130.2	138.1	100.0	101.1	104.4	102.5	92.1
Mineral Fuels	1,600	146.0	78.2	97.1	75.6	86.1	100.0	88.7	81.3	71.9	67.7
Petroleum & products	1,598	145.9	78.0	97.1	75.6	86.1	100.0	88.7	81.3	71.9	67.8
Gas	2	182.7	160.7	110.2	88.7	96.3	100.0	93.0	78.5	66.7	59.2
Animal & Vegetable Oils	70	187.7	105.4	122.7	149.5	121.8	100.0	110.0	119.1	114.9	141.6
Vegetable oil unprocessed	38	178.5	99.4	113.2	136.4	122.1	100.0	110.7	121.6	116.1	147.2
Other animal & vegetable oils	32	192.5	108.6	127.9	156.6	121.8	100.0	109.2	116.1	113.4	135.0

14.8 IMPORT PRICE INDEX, 1985-1994 (continued)

(1990 = 100)

Item	Weights	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Chemicals & Chemical Products	766	95.7	100.7	101.5	112.2	105.4	100.0	101.3	96.4	93.7	91.7
Organic chemicals	123	97.8	102.6	103.4	123.8	108.0	100.0	101.6	91.5	90.6	89.7
Inorganic chemicals	39	91.8	91.9	107.7	112.4	107.4	100.0	100.1	96.6	95.5	95.4
Dyes & colours	43	99.3	99.4	106.7	111.9	102.4	100.0	96.3	93.5	94.0	91.5
Medicinal products	33	115.5	118.5	120.8	114.4	101.3	100.0	99.9	98.6	97.2	98.8
Perfume, toilet preparations	59	82.4	88.1	89.9	93.2	99.3	100.0	96.8	95.3	93.9	93.3
Fertilizers manufactured	5	121.1	85.5	92.0	106.8	102.2	100.0	86.6	84.4	81.6	76.6
Plastics in primary forms	135	94.2	90.0	90.8	100.0	100.0	100.0	97.5	89.2	81.9	89.5
Plastics in non-primary forms	54	90.5	93.0	103.3	122.2	109.3	100.0	100.2	94.4	92.2	90.4
Chemical products nec	275	101.7	99.6	96.0	96.2	103.1	100.0	105.7	103.0	100.7	92.5
Manufactured Goods	1,366	85.9	85.2	92.4	101.8	104.5	100.0	99.3	95.4	93.3	92.9
Leather products nec	14	62.7	64.5	74.4	88.8	95.2	100.0	85.1	103.5	90.6	93.2
Rubber manufactures nec	48	84.6	91.9	96.7	102.5	101.6	100.0	100.7	99.5	101.3	102.9
Wood & cork manufactures	57	82.8	84.6	92.5	111.4	108.4	100.0	99.0	100.3	114.4	111.3
Paper manufactures	118	77.3	84.9	95.7	106.4	110.0	100.0	94.4	90.1	85.3	85.9
Textile manufactures	312	98.8	94.3	99.5	100.9	100.5	100.0	102.3	96.9	88.0	87.3
Non-metal mineral manufactures	142	86.0	84.6	87.4	89.2	96.9	100.0	100.5	99.4	98.0	95.9
Iron & steel	277	76.4	77.7	89.0	105.8	107.4	100.0	102.3	93.2	90.5	87.6
Non-ferrous metals	202	108.3	85.4	90.6	115.4	124.1	100.0	87.9	84.5	84.7	88.6
Metal manufactures	196	75.2	84.1	91.7	95.7	97.4	100.0	104.8	104.9	108.3	107.7
Machinery & Transport Equipment	4,404	91.8	98.7	102.6	105.8	103.8	100.0	97.3	95.0	95.4	93.9
Power generating machinery	324	93.8	97.8	100.2	104.0	102.3	100.0	99.3	92.6	97.1	92.8
Industrial machinery	343	83.5	89.2	101.3	112.9	101.8	100.0	110.9	109.1	112.9	115.0
Metalworking machinery	79	100.2	98.3	96.6	101.9	105.7	100.0	102.8	104.4	114.5	118.7
General industrial machinery	454	71.4	77.9	85.4	93.5	94.5	100.0	101.9	102.6	108.2	108.5
Office & data machines	757	106.1	104.1	106.7	105.2	106.2	100.0	94.3	91.9	93.0	85.1
Telecommunication apparatus	795	90.2	102.3	102.7	103.0	103.5	100.0	98.9	96.0	96.1	93.9
Electrical machinery nec	1,388	104.7	110.2	111.0	110.1	107.5	100.0	91.4	87.5	81.3	81.9
Road vehicles	264	76.7	98.5	107.1	115.0	110.2	100.0	101.9	109.4	121.8	123.9
Miscellaneous Manufactures	955	91.7	98.5	102.6	105.3	102.7	100.0	98.3	96.4	97.6	97.0
Prefab building, sanitary, lighting	18	101.9	106.1	108.2	106.9	101.9	100.0	98.0	96.9	98.6	98.4
Furniture, bedding, mattresses	28	78.3	90.1	94.4	100.7	100.1	100.0	99.5	98.7	97.2	96.9
Travel goods	35	86.4	87.5	91.4	96.7	99.3	100.0	101.3	101.2	101.8	98.3
Clothing	161	91.1	93.1	96.9	98.9	100.3	100.0	97.5	97.3	96.5	95.1
Footwear	33	87.5	100.1	102.3	100.7	98.6	100.0	95.6	94.8	94.7	92.3
Scientific instruments	150	104.0	104.7	105.4	105.8	103.3	100.0	103.2	102.9	109.0	109.7
Photographic apparatus	224	81.5	91.2	98.1	104.2	100.4	100.0	96.9	95.2	94.8	94.6
Miscellaneous mfd articles nec	306	96.4	105.6	109.6	111.6	106.6	100.0	97.3	93.2	94.3	93.8

14.9 EXPORT PRICE INDEX, 1985-1994
(1990 = 100)

Item	Weights	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
All Items	10,000	114.1	98.1	101.5	100.0	99.5	100.0	94.6	88.4	86.4	82.9
Food	287	116.0	117.0	115.9	115.8	109.5	100.0	98.1	93.2	91.7	97.2
Meat & meat preparations	11	82.9	86.1	90.2	85.0	100.2	100.0	98.3	93.4	90.2	89.9
Dairy produce & eggs	16	95.3	92.7	92.1	93.5	103.3	100.0	91.6	89.3	89.0	86.6
Fish & fish preparations	74	105.6	104.2	115.9	112.4	104.5	100.0	105.7	104.4	102.4	104.9
Cereals & cereal preparations	21	92.0	88.7	93.7	102.1	106.5	100.0	98.2	97.0	97.5	97.2
Vegetables & fruits	43	116.2	108.0	103.5	105.5	98.1	100.0	108.3	100.5	93.5	82.3
Sugar & sugar preparations	7	76.7	74.5	76.0	86.9	99.2	100.0	78.4	83.1	91.1	92.8
Coffee etc & spices	79	188.1	206.5	186.1	166.0	132.7	100.0	90.1	79.9	80.4	104.0
Animal feeding stuff	11	85.9	90.8	93.9	106.4	105.9	100.0	92.2	85.1	84.5	82.3
Miscellaneous food preparations	25	105.6	91.9	92.1	101.7	96.6	100.0	95.9	94.8	94.0	96.5
Beverages & Tobacco	144	90.6	92.4	94.0	96.2	99.0	100.0	101.9	102.0	99.3	97.5
Beverages	56	91.8	93.5	95.9	97.5	98.9	100.0	103.6	103.0	98.4	95.6
Tobacco & manufactures	88	89.2	91.1	92.0	94.8	99.3	100.0	100.7	101.3	99.9	98.6
Crude Materials	302	102.3	101.7	116.0	135.8	113.7	100.0	95.4	92.2	91.4	105.9
Hides, skins undressed	3	71.2	72.1	93.5	123.1	107.0	100.0	92.5	87.3	87.9	84.3
Oil seeds, nuts, kernels	11	118.7	95.9	103.6	112.3	117.0	100.0	96.2	81.6	87.1	85.6
Crude rubber incl synthetic	141	109.1	114.3	131.1	159.9	119.7	100.0	95.2	94.3	91.1	116.2
Cork & wood	49	65.7	74.2	83.2	82.7	94.7	100.0	99.9	99.8	112.9	125.0
Paper making material	8	98.2	94.5	112.7	118.6	114.5	100.0	107.9	86.5	56.4	87.0
Textile fibres & waste	9	-	-	-	na	-	100.0	103.3	99.7	103.5	105.8
Crude fertilizers & minerals	9	141.8	137.5	123.8	106.8	101.4	100.0	92.5	88.7	87.1	87.6
Metallic ores & scrap	37	132.7	89.7	104.0	122.2	118.9	100.0	88.7	76.3	71.6	73.4
Crude materials nec	35	91.6	82.7	94.5	105.3	107.7	100.0	93.3	94.1	91.2	89.0
Mineral Fuels	1,821	138.0	81.7	89.1	74.8	83.4	100.0	88.4	77.5	72.9	62.9
Petroleum & products	1,808	137.8	81.5	89.1	74.7	83.5	100.0	88.3	77.3	72.7	62.8
Gas	13	155.6	99.0	90.2	87.9	79.9	100.0	109.1	97.7	94.8	81.6
Animal & Vegetable Oils	77	142.3	98.5	102.3	116.1	104.6	100.0	103.7	106.4	104.9	112.2
Vegetable oil unprocessed	37	141.1	96.2	100.3	112.3	102.8	100.0	102.7	104.9	104.2	112.9
Other animal & vegetable oils	40	145.9	104.9	108.2	126.5	109.8	100.0	104.5	107.9	105.5	111.6

14.9 EXPORT PRICE INDEX, 1985-1994 (continued)
(1990 = 100)

Item	Weights	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Chemicals & Chemical Products	690	97.1	95.9	100.5	113.7	106.3	100.0	98.4	89.8	86.2	85.1
Organic chemicals	214	87.0	84.4	88.6	102.1	103.7	100.0	95.5	85.1	81.9	78.2
Inorganic chemicals	29	117.2	113.2	110.0	106.0	105.0	100.0	92.6	91.5	92.1	92.9
Dyes & colours	47	95.4	95.4	95.5	95.2	101.9	100.0	100.8	88.3	83.0	81.3
Medicinal products	39	125.3	129.9	120.7	117.5	106.8	100.0	100.8	102.3	100.1	94.6
Perfume, toilet preparations	42	108.4	109.9	107.7	106.9	105.9	100.0	97.0	94.6	93.1	88.5
Fertilizers manufactured	6	95.2	80.4	75.8	87.0	95.9	100.0	100.6	94.8	96.0	88.7
Plastics in primary forms	169	94.3	97.4	96.0	100.0	100.0	100.0	93.3	79.5	71.2	76.6
Plastics in non-primary forms	23	89.0	88.6	108.6	145.6	113.1	100.0	96.3	92.6	91.3	92.4
Chemical products nec	121	111.6	114.1	111.4	109.2	107.3	100.0	110.9	106.0	106.3	102.8
Manufactured Goods	772	93.7	89.2	94.4	102.9	105.4	100.0	96.8	93.6	92.0	90.4
Leather products nes	6	-	-	-	na	-	100.0	127.3	118.4	116.3	109.5
Rubber manufactures nec	32	93.0	98.4	98.6	100.7	101.2	100.0	101.3	97.2	103.6	98.1
Wood & cork manufactures	49	86.4	90.3	99.0	114.5	107.2	100.0	98.0	96.3	110.7	107.1
Paper manufactures	60	79.5	82.0	86.1	95.7	99.7	100.0	98.8	97.8	96.8	99.0
Textile manufactures	173	92.6	93.9	98.3	101.7	101.0	100.0	96.2	90.4	84.3	82.4
Non-metal mineral manufactures	70	84.6	85.7	88.1	91.1	95.3	100.0	103.0	102.6	101.7	100.3
Iron & steel	125	77.5	72.6	86.3	104.8	107.3	100.0	95.3	88.4	87.1	83.3
Non-ferrous metals	112	151.2	110.7	109.7	116.3	135.3	100.0	90.3	91.9	84.8	82.8
Metal manufactures	145	98.1	93.7	94.0	95.8	98.3	100.0	97.0	94.1	94.3	95.7
Machinery & Transport Equipment	5,031	111.6	109.7	107.9	103.8	103.6	100.0	94.8	89.2	87.7	83.6
Power generating machinery	181	100.4	101.0	99.8	98.8	99.1	100.0	97.3	95.5	99.7	102.9
Industrial machinery	270	124.7	126.4	128.7	124.4	124.9	100.0	100.2	95.9	99.9	98.4
Metalworking machinery	43	89.7	90.1	91.5	96.9	101.0	100.0	104.4	102.7	103.1	104.8
General industrial machinery	372	100.4	98.9	99.7	100.2	101.2	100.0	97.0	95.2	95.8	95.4
Office & data machines	1,709	137.8	121.4	115.3	113.0	109.8	100.0	87.3	78.8	74.3	66.8
Telecommunication apparatus	1,187	108.4	109.8	110.4	108.2	105.2	100.0	98.1	92.5	91.0	87.7
Electrical machinery nec	1,131	109.0	108.5	104.7	96.4	97.7	100.0	99.2	95.2	95.1	92.9
Road vehicles	138	92.7	98.3	103.2	101.1	102.0	100.0	100.6	98.1	101.0	87.9
Miscellaneous Manufactures	876	92.9	95.3	97.6	99.6	98.5	100.0	97.4	94.1	95.0	94.4
Prefab building, sanitary, lighting	8	110.3	109.7	107.6	105.6	105.0	100.0	97.4	93.9	94.9	90.1
Furniture, bedding, mattresses	35	91.0	91.8	95.4	97.9	100.1	100.0	98.8	98.5	99.1	101.5
Clothing	288	82.4	82.8	90.1	92.3	91.5	100.0	98.0	95.3	98.1	100.3
Footwear	15	89.3	95.3	96.4	99.5	100.8	100.0	100.5	96.7	97.3	98.3
Scientific instruments	125	103.2	108.4	106.5	106.0	102.5	100.0	98.8	97.4	103.7	103.9
Photographic apparatus	137	96.8	107.2	108.3	109.8	105.5	100.0	95.9	92.5	91.4	89.0
Miscellaneous mfd articles nec	268	100.9	101.9	100.2	102.9	102.1	100.0	96.4	91.2	88.6	85.4

14.10 BUILDING MATERIALS PRICE INDEX, 1984-1994
(1985 = 100)

Section	All Items	Timber & Wood Products	Concrete Ingredients (Granite)	Paints	Cement	Bricks & Concrete Blocks	Tiles	Iron & Steel Products	Cables	Sanitary & Plumbing Fixtures	Others
Period \ Weights ¹	10,000	585	872	292	1,338	2,076	952	1,764	646	69	1,406
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
1994	118.1	126.7	95.6	121.7	136.3	114.6	113.0	103.6	117.2	106.2	138.6

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

14.11 PROPERTY PRICE INDEX BY TYPE OF PROPERTY, 1984-1994
(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	Ware-houses
Weights	10,000	8,357	1,114	990	1,500	1,513	3,240	1,232	586	646	411	354	57
Period													
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	153.2	163.4	188.0	188.1	173.9	152.7	147.6	91.6	92.5	90.7	129.3	129.2	130.3
1994	216.2	234.8	325.9	284.7	247.5	196.9	200.1	111.6	117.3	106.4	151.1	153.5	136.4

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

Source : Urban Redevelopment Authority

14.12 COMMERCIAL PROPERTY RENTAL INDEX BY TYPE OF PROPERTY, 1989-1994
(1990 = 100)

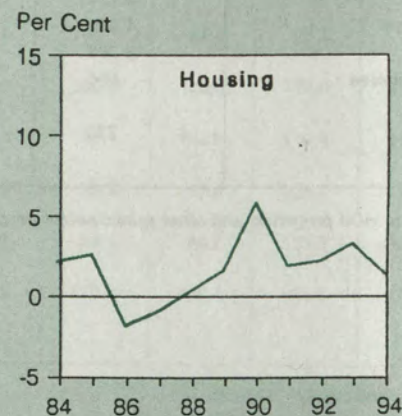
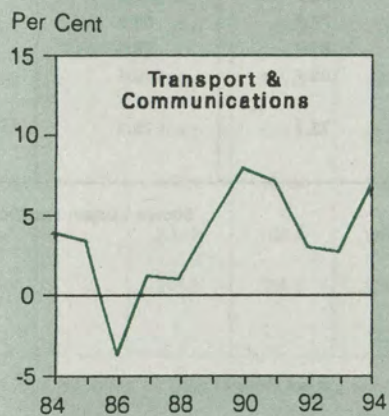
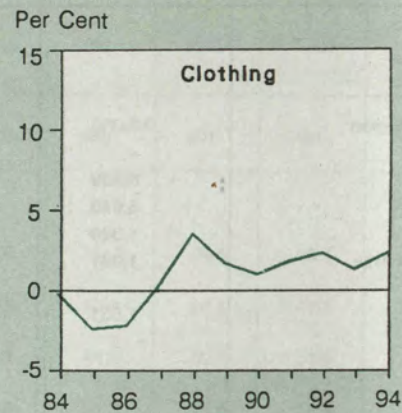
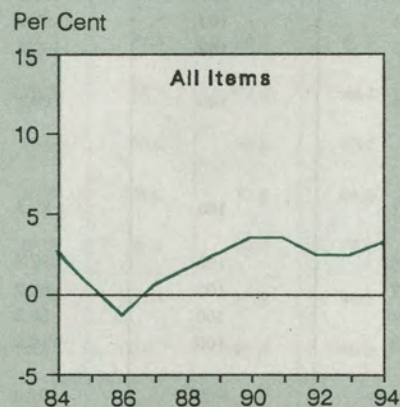
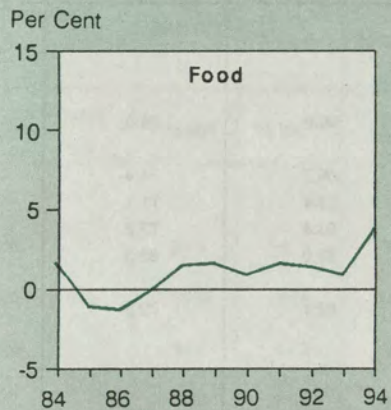
Type of Property	Weights	1989	1990	1991	1992	1993	1994
Office Space							
Whole of Central Region	10,000	62.9	100	100.7	86.0	74.0	74.9
Central Area	8,469	64.6	100	100.8	86.7	74.4	75.3
Downtown Core	6,049	64.1	100	100.8	83.4	71.1	71.8
Orchard	1,389	64.4	100	99.9	93.4	77.2	77.6
Rest of Central Area	1,031	67.3	100	102.2	97.0	89.3	92.5
Fringe Area	1,531	53.4	100	100.1	82.1	72.2	72.6
Shop Space							
Whole of Central Region	10,000	91.1	100	87.3	85.1	82.2	78.8
Central Area	9,227	90.5	100	87.8	86.0	83.2	79.3
Downtown Core	1,536	92.7	100	81.2	77.2	82.3	90.6
Orchard	6,795	91.4	100	86.3	84.9	79.6	74.4
Rest of Central Area	896	80.3	100	110.0	109.4	112.4	97.0
Fringe Area	773	98.2	100	82.0	73.7	70.3	72.1

Note : Data exclude HDB properties and other public sector properties.

Source : Urban Redevelopment Authority

CHART 15

ANNUAL CHANGES IN CONSUMER PRICE INDEX, 1984-1994



15 EDUCATION

15 EDUCATION

Every child in Singapore undergoes at least ten years of general education. A fundamental feature of Singapore's education system is the bilingual policy which ensures that each child 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.

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 take 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, depending on the ability of the child. 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 may take the Normal (Academic) or Normal (Technical) course, both of which lead to 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' Level.

Post Secondary Education

On completing secondary education, pupils can enter a junior college for a two-year pre-university course or a centralised institute for a three-year course. At the end of the pre-university course, pupils sit for the General Certificate of Education 'Advanced' Level Examination (GCE 'A' Level), the results of which determine their eligibility for tertiary education.

Pupils interested in technical and commercial studies can join the polytechnics for diploma courses or the technical institutes under the Institute of Technical Education (ITE) for National Trade Certificates. Polytechnic graduates may also pursue degree courses at 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 (ITE) is a post-secondary institute offering 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.

Full-time institutional training is offered to school leavers with GCE 'O' and 'N' level qualifications in technical and business studies courses leading to the award of the Industrial Technician Certificate (ITC) and the National Technical Certificate (NTC) Grades 1 to 3, Certificate in Business Studies (CBS) and the Certificate in Office Skills (COS).

The New Apprenticeship Systems (NAS) provides an attractive alternative avenue for school leavers to earn as they learn. Training is conducted on- and off-the job. Most apprenticeship programmes under the NAS lead to NTC level certificate and cater to the needs of the manufacturing sector.

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.

Two national worker education programmes, namely, the Basic Education for Skills Training (BEST) and Worker Improvement through Secondary Education (WISE) programmes are offered by ITE for workers who have not acquired a basic education in earlier years. BEST programme aims to upgrade the education of workers in English Language

and Mathematics to primary education level while WISE programme aims at upgrading workers' education in these two subjects up to the secondary education level.

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 the opportunity for working adults to acquire academic qualifications which are otherwise attained through the formal school system.

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. Workers who possess the requisite technical skills and experience and academic competency can obtain certification of the skills and competency by taking such trade tests and examinations.

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 four 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.

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 concentration of these researchers on campus makes the university a rich resource centre.

In order 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.

In line with the university's policy of strengthening research activities, research centres have been established by the Faculties of Arts and Social Sciences, Architecture and Building, Business Administration, Engineering, Medicine and Science.

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. In order 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 conducts a variety of in-service training programmes.

There are four polytechnics offering a wide range of engineering/technology, business, management and health science 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, Taxation, Marketing, Chemical Process Technology, Biotechnology, Visual Communication, Product Design, Mass Communication, Film and Video, Quality Engineering, Accounting, and Finance, 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, 1984-1994

Year	Total	Primary Schools	Secondary				Pre-University ¹			Institute of Technical Education ²	Institutions of Higher Learning ³
			Total	Academic	Technical	Commercial	Total	Academic	Commercial		
1984	521,366	288,623	164,928	138,388	19,071	7,469	22,836	15,800	7,036	9,036	35,943
1985	521,705	278,060	164,168	136,268	19,782	8,118	26,160	18,167	7,993	13,404	39,913
1986	528,721	268,820	173,990	142,945	21,601	9,444	29,098	20,145	8,953	14,496	42,317
1987	525,602	261,603	172,054	141,658	20,876	9,520	30,803	20,985	9,818	16,166	44,976
1988	525,013	259,270	168,587	139,787	19,622	9,178	33,168	22,259	10,909	16,999	46,989
1989	524,784	257,833	166,274	139,464	17,730	9,080	32,802	21,598	11,204	17,133	50,742
1990	520,832	257,932	161,029	136,365	15,819	8,845	30,430	19,435	10,995	15,769	55,672
1991	521,549	260,286	157,282	132,600	15,330	9,352	28,431	17,708	10,723	15,181	60,369
1992	525,636	262,599	156,362	131,260	15,421	9,681	25,787	16,431	9,356	15,117	65,771
1993	531,203	261,534	155,834	131,386	15,280	9,168	24,895	16,502	8,393	15,168	73,772
1994	538,555	251,097	174,483	174,483	-	-	23,498	16,008	7,490	12,492	76,985

Source : Ministry of Education

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

² Refer to average enrolment of full-time students. Enrolment for 1994 decreased because of reduced pool of primary 8 Monolingual and Extended school leavers with the phasing in of the Improved Education System.

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

15.2 STUDENTS AND TEACHERS IN EDUCATIONAL INSTITUTIONS, END JUNE 1994

Number

	Institutions ¹	Students			Teachers		
		Total	Males	Females	Total	Males	Females
Total	396	538,555	284,420	254,135	27,773	11,503	16,270
Primary	194	251,097	131,589	119,508	10,553	2,514	8,039
Secondary Schools	155	174,483	90,419	84,064	8,046	2,975	5,071
Pre-U Centres ² & Centralised Institutes ³	15 ⁴	4,298	1,476	2,822	-	-	-
Junior Colleges	14	19,200	8,961	10,239	1,629	617	1,012
Institute of Technical Education ⁵	11	12,492	8,719	3,773	1,310	953	357
Polytechnics	4	42,303	24,718	17,585	3,237	2,177	1,060
National Institute of Education	1	2,351	647	1,704	245	146	99
National University of Singapore & Nanyang Technological University	2	32,331	17,891	14,440	2,753	2,121	632

Source : Ministry of Education

- 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 8 Pre-U Centres where Pre-U classes are held in Secondary Schools.
- 5 Refer to full-time teaching staff and students.

15.3 PRIMARY SCHOOLS, STUDENTS AND TEACHERS BY TYPE OF SCHOOL 1984-1994

Number

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Total Schools	275	252	236	230	221	212	208	202	194	193	194
Government	193	180	172	169	166	158	157	152	145	145	147
Government-aided	81	71	63	60	54	53	50	49	48	47	46
Private	1	1	1	1	1	1	1	1	1	1	1
Total Students	288,623	278,060	268,820	261,603	259,270	257,833	257,932	260,286	262,599	261,534	251,097
Government	219,930	211,855	205,281	199,174	198,429	196,186	195,994	197,491	198,481	196,239	185,212
Government-aided	68,564	66,020	63,387	62,225	60,688	61,504	61,763	62,618	63,984	65,163	65,793
Private	129	185	152	204	153	143	175	177	134	132	92
Total Teachers ¹	10,416	10,351	10,256	10,190	9,962	9,998	10,006	9,843	10,188	10,711	10,553
Government	7,958	7,917	7,921	7,893	7,798	7,797	7,848	7,677	7,682	8,173	7,930
Government-aided	2,458	2,434	2,335	2,297	2,164	2,201	2,158	2,166	2,506	2,538	2,623

Source : Ministry of Education

¹ Exclude kindergarten, relief teachers, teachers in ECA Centre and headquarters and those seconded to statutory boards and other ministries.

15.4 ENROLMENT IN GOVERNMENT AND GOVERNMENT-AIDED PRIMARY SCHOOLS BY LEVEL AND AGE, END JUNE 1994
a) Males

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		131,529	22,388	19,804	21,717	21,386	20,834	21,903	2,219	1,181	85	12
Primary 1		22,650	22,385	195	51	14	4	1	-	-	-	-
Primary 2		20,004	3	19,602	263	102	29	5	-	-	-	-
Primary 3		21,915	-	7	21,389	316	152	42	8	1	-	-
Primary 4		21,613	-	-	14	20,941	376	207	62	13	-	-
Primary 5												
EM1		3,239	-	-	-	7	3,130	65	30	7	-	-
EM2		15,711	-	-	-	6	15,146	296	200	45	17	1
EM3		2,034	-	-	-	-	1,979	33	16	4	2	-
Primary 6												
EM1		2,746	-	-	-	-	3	2,669	46	25	3	-
EM2		15,868	-	-	-	-	15	15,246	360	185	54	8
EM3		5,749	-	-	-	-	-	3,339	1,497	901	9	3

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).

Source : Ministry of Education

15.4 ENROLMENT IN GOVERNMENT AND GOVERNMENT-AIDED PRIMARY SCHOOLS BY LEVEL AND AGE, END JUNE 1994
a) Females

Age		Number									
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	119,476	20,834	18,122	20,002	19,389	19,061	19,977	1,409	640	38	4
Primary 1	21,034	20,828	149	40	15	2	-	-	-	-	-
Primary 2	18,315	6	17,967	258	63	18	3	-	-	-	-
Primary 3	20,115	-	6	19,689	295	100	15	9	1	-	-
Primary 4	19,500	-	-	15	18,997	311	141	28	8	-	-
Primary 5											
EM1	3,545	-	-	-	5	3,444	67	22	6	1	-
EM2	14,566	-	-	-	14	14,079	291	144	29	9	-
EM3	1,126	-	-	-	-	1,096	21	5	3	1	-
Primary 6											
EM1	3,332	-	-	-	-	1	3,251	56	21	3	-
EM2	14,755	-	-	-	-	10	14,303	287	132	20	3
EM3	3,188	-	-	-	-	-	1,885	858	440	4	1

Source : Ministry of Education

15.5 SECONDARY SCHOOLS, STUDENTS AND TEACHERS BY TYPE OF SCHOOL, 1984-1994

Type of School	Number										
	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Total Schools	150	149	157	161	161	164	164	164	160	162	173
Government	98	98	109	113	113	116	115	115	111	112	121
Government-aided & Independent	48	47	44	44	44	44	45	45	45	46	48
Private	4	4	4	4	4	4	4	4	4	4	4
Total Students	187,764	190,328	203,088	202,857	201,755	199,076	191,459	185,713	182,149	180,729	197,981
Government	137,400	137,526	149,296	148,240	147,596	145,587	137,800	133,327	129,708	125,964	133,073
Government-aided & Independent	48,445	50,763	51,840	52,885	52,589	51,971	51,956	50,643	50,787	53,290	63,718
Private	1,919	2,039	1,952	1,732	1,570	1,518	1,703	1,743	1,654	1,475	1,190
Total Teachers ¹	8,240	8,574	8,703	9,378	9,040	9,236	9,197	9,200	9,278	9,168	9,675
Government	6,006	6,261	6,461	6,960	6,806	6,834	6,698	6,688	6,744	6,553	6,592
Government-aided & Independent	2,150	2,227	2,159	2,341	2,161	2,338	2,428	2,445	2,469	2,555	3,027
Private ²	84	86	83	77	73	64	71	67	65	60	56

1 Exclude relief teachers, teachers in ECA Centre and headquarters and those seconded to statutory boards and other ministries.

2 Include teachers teaching primary classes.

Source : Ministry of Education

15.6 ENROLMENT IN GOVERNMENT AND GOVERNMENT-AIDED SECONDARY SCHOOLS BY LEVEL AND AGE, END JUNE 1994

a) Males

Number

Level & Course	Age										
	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	100,337	12	19,617	20,111	20,371	17,849	11,870	8,372	1,669	391	75
Secondary 1											
Special	1,780	3	1,723	40	10	4	-	-	-	-	-
Express	12,437	9	10,148	1,234	959	68	19	-	-	-	-
Normal	14,825	-	7,731	4,229	2,753	95	12	5	-	-	-
Secondary 2											
Special	1,445	-	-	1,403	32	7	2	1	-	-	-
Express	10,320	-	14	9,057	618	559	57	14	1	-	-
Normal	6,831	-	1	4,134	1,385	1,240	63	8	-	-	-
Secondary 3											
Special	1,464	-	-	1	1,373	59	29	2	-	-	-
Express	10,470	-	-	13	8,916	940	524	69	7	1	-
Normal	7,309	-	-	-	4,316	1,637	1,271	72	12	1	-
Secondary 4											
Special	1,333	-	-	-	-	1,267	61	5	-	-	-
Express	10,147	-	-	-	9	8,296	1,154	616	61	11	-
Normal	6,542	-	-	-	-	3,656	1,617	1,197	57	12	3
Secondary 5											
Normal	5,253	-	-	-	-	-	2,893	1,698	633	25	4
Pre-University 1	364	-	-	-	-	-	176	137	50	1	-
Pre-University 2	380	-	-	-	-	-	-	191	134	52	3
Pre-University 3	476	-	-	-	-	-	-	-	214	199	63
Junior College 1	4,543	-	-	-	-	21	3,984	465	68	5	-
Junior College 2	4,418	-	-	-	-	-	8	3,892	432	84	2

Source : Ministry of Education

15.6 ENROLMENT IN GOVERNMENT AND GOVERNMENT-AIDED SECONDARY SCHOOLS BY LEVEL AND AGE, END JUNE 1994
a) Females

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		96,454	10	18,622	18,881	18,854	17,463	11,342	8,745	1,985	446	106
Secondary 1												
Special	1,891	-	1,843	39	8	1	-	-	-	-	-	-
Express	12,828	10	10,759	1,174	843	37	5	-	-	-	-	-
Normal	10,826	-	6,010	2,936	1,828	43	5	2	2	-	-	-
Secondary 2												
Special	1,428	-	-	1,382	32	10	4	-	-	-	-	-
Express	11,113	-	10	9,847	668	539	42	6	1	-	-	-
Normal	5,639	-	-	3,494	1,155	964	20	6	-	-	-	-
Secondary 3												
Special	1,341	-	-	1	1,277	53	10	-	-	-	-	-
Express	10,646	-	-	7	9,455	779	362	37	5	1	-	-
Normal	5,740	-	-	-	3,569	1,255	878	32	6	-	-	-
Secondary 4												
Special	1,147	-	-	-	2	1,093	42	9	1	-	-	-
Express	10,788	-	-	1	17	9,362	891	477	35	4	1	-
Normal	5,476	-	-	-	-	3,319	1,230	896	28	2	1	-
Secondary 5												
Normal	4,915	-	-	-	-	-	2,911	1,400	583	17	4	-
Pre-University 1												
	683	-	-	-	-	-	418	221	44	-	-	-
Pre-University 2												
	748	-	-	-	-	-	-	487	212	45	4	-
Pre-University 3												
	1,006	-	-	-	-	-	-	-	597	320	89	-
Junior College 1												
	5,023	-	-	-	-	8	4,513	427	71	4	-	-
Junior College 2												
	5,216	-	-	-	-	-	11	4,745	400	53	7	-

Source : Ministry of Education

15.7 ENROLMENT AT PRIMARY LEVELS IN PRIVATE REGULAR SCHOOLS BY LEVEL AND AGE, END JUNE 1994

Age Level		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 Primary 1 Primary 2 Primary 3 Primary 4 Primary 5 Primary 6		Males										
		60	1	2	5	6	4	9	9	7	4	13
		6	1	-	2	2	-	1	-	-	-	-
		5	-	2	-	-	1	2	-	-	-	-
		7	-	-	3	1	1	1	-	1	-	-
		8	-	-	-	3	-	2	2	1	-	-
		14	-	-	-	-	2	3	3	2	2	2
		20	-	-	-	-	-	-	4	3	2	11
Total Primary 1 Primary 2 Primary 3 Primary 4 Primary 5 Primary 6		Females										
		32	-	1	4	2	4	5	1	3	7	5
		-	-	-	-	-	-	-	-	-	-	-
		3	-	1	-	1	1	-	-	-	-	-
		5	-	-	4	-	-	-	-	1	-	-
		2	-	-	-	1	-	-	-	1	-	-
		3	-	-	-	-	2	-	-	1	-	-
		19	-	-	-	-	1	5	1	-	7	5

15.8 ENROLMENT AT SECONDARY LEVELS IN PRIVATE REGULAR SCHOOLS BY LEVEL AND AGE, END JUNE 1994

Level \ Age	Number										
	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	519	1	4	18	17	65	65	64	79	109	97
Secondary 1	83	1	4	10	11	34	18	4	-	-	1
Secondary 2	88	-	-	8	4	22	31	10	7	5	1
Secondary 3	56	-	-	-	2	6	14	19	8	5	2
Secondary 4	36	-	-	-	-	3	2	11	9	7	4
Pre-University 1	107	-	-	-	-	-	-	20	35	43	9
Pre-University 2	149	-	-	-	-	-	-	-	20	49	80
Pre-University 3	-	-	-	-	-	-	-	-	-	-	-
Females											
Total	671	1	6	8	18	67	58	116	150	132	115
Secondary 1	73	1	6	6	9	29	10	7	4	-	1
Secondary 2	75	-	-	2	7	29	15	13	4	2	3
Secondary 3	81	-	-	-	2	6	20	34	10	7	2
Secondary 4	57	-	-	-	-	3	6	20	19	7	2
Pre-University 1	136	-	-	-	-	-	7	32	48	29	20
Pre-University 2	150	-	-	-	-	-	-	-	41	49	60
Pre-University 3	99	-	-	-	-	-	-	10	24	38	27

Source : Ministry of Education

15.9 ENROLMENT IN INSTITUTIONS OF HIGHER LEARNING, 1984-1994

Number

Year	Total		National University ¹ of Singapore		Nanyang Technological University ¹		National Institute of Education ¹	
	Males	Females	Males	Females	Males	Females	Males	Females
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	42,018	31,754	9,285	9,152	7,712	4,607	609	1,844
1994	43,256	33,729	9,666 ^P	9,551 ^P	8,225	4,889	647	1,704

Note: Figures include part-time students.

¹ Include enrolment for both undergraduate and postgraduate courses.

15.9 ENROLMENT IN INSTITUTIONS OF HIGHER LEARNING, 1984-1994 (continued)

Year	Singapore Polytechnic		Ngee Ann Polytechnic		Temasek Polytechnic		Nanyang Polytechnic ²	
	Males	Females	Males	Females	Males	Females	Males	Females
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	12,218	6,480	8,929	5,752	1,281	1,826	1,984	2,093
1994	12,379	6,543	8,013	5,624	1,698	2,156	2,628	3,262

2 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, 1984/85 -1994/95

		Number									
Course \ Session	1984/85	1985/86	1986/87	1987/88	1988/89	1989/90	1990/91	1991/92	1992/93	1993/94	1994/95
Total	8,902	8,967	8,373	9,035	9,177	10,155	11,006	11,216	12,451	13,554	13,616
National University of Singapore (NUS) ¹	2,224	2,346	2,316	2,160	2,646	2,470	2,623	1,985	1,953	2,121	2,318
Arts & Social Sciences	223	242	262	238	321	313	391	410	357	370	428
Science ²	411	369	473	443	578	543	609	584	668	705	691
Medicine	157	143	128	102	97	99	100	97	115	110	113
Dentistry	35	29	22	21	24	23	25	28	19	24	22
Law	107	113	105	109	116	97	91	100	83	90	70
Business Administration	141	199	196	171	204	207	219	278	141	183	261
Accountancy ⁵	101	122	134	-	-	-	-	-	-	-	-
Architecture, Building & Estate Management	173	143	121	100	84	101	115	118	140	110	111
Engineering	876	986	875	976	1,222	1,087	1,073	370	430	529	622
Nanyang Technological University (NTU) ^{1,3 & 4}	153	140	102	322	336	756	1,061	1,831	2,127	1,947	1,967
Engineering ⁴	153	140	102	129	134	345	441	1,112	1,251	1,123	1,144
Accountancy ⁵	-	-	-	193	202	223	318	313	298	271	252
Business	-	-	-	-	-	65	110	142	234	211	235
Communication Studies	-	-	-	-	-	-	-	-	-	28	27
Computer Engineering ⁶	-	-	-	-	-	123	192	216	274	219	210
Materials Engineering	-	-	-	-	-	-	-	35	33	52	37
Arts with Diploma in Education	-	-	-	-	-	-	-	7	24	29	45
Science with Diploma in Education	-	-	-	-	-	-	-	6	13	14	17
National Institute of Education (NIE) ^{1 & 7}	154	225	169	222	200	287	313	189	386	386	325

1 Cover undergraduates only.

2 Include Pharmacy, Information System and Computer Science.

3 NTU was established in July 1991, with its origin in the former Nanyang Technological Institute.

4 Exclude second year engineering students transferred from NUS. There is no more streaming from NUS into 2nd year from 1992/93 onwards.

5 The School of Accountancy was transferred from NUS to the former Nanyang Technological Institute in July 1987.

6 Prior to 1994/95, it was known as Computer Technology.

7 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, 1984/85-1994/95 (continued)

		Number										
Course	Session	1984/85	1985/86	1986/87	1987/88	1988/89	1989/90	1990/91	1991/92	1992/93	1993/94	1994/95
Singapore Polytechnic		4,109	3,820	3,510	3,846	3,482	3,715	3,891	3,962	4,367	4,528	4,274
Engineering ⁸		3,519	3,333	3,140	3,409	2,984	3,148	3,197	3,297	3,449	3,546	3,295
Architecture & Building		416	351	229	198	213	226	219	155	278	288	348
Nautical ⁹		87	71	71	83	62	75	114	153	171	167	112
Business ¹⁰		87	65	70	106	100	207	192	230	284	302	348
Computer ¹¹		-	-	-	50	123	59	169	127	185	225	171
Ngee Ann Polytechnic		2,262	2,436	2,276	2,485	2,513	2,927	2,936	2,918	3,115	2,711	2,774
Engineering		1,985	2,159	1,908	2,128	2,215	2,564	2,646	2,582	2,652	2,183	2,094
Business Studies & Accountancy		167	228	301	279	220	254	209	247	293	308	350
Computer Studies		110	49	67	78	78	99	71	72	135	168	260
Mass Communication & Film & Video ¹²		-	-	-	-	-	10	10	17	35	52	70
Temasek Polytechnic ¹³		-	-	-	-	-	-	182	331	381	712	776
Business		-	-	-	-	-	-	79	121	103	144	121
Design		-	-	-	-	-	-	103	53	78	99	90
Science & Technology		-	-	-	-	-	-	-	157	-	-	-
Information Technology & Applied Science		-	-	-	-	-	-	-	-	72	201	172
Engineering		-	-	-	-	-	-	-	-	128	268	393
Nanyang Polytechnic ¹⁴		-	-	-	-	-	-	-	-	122	1,149	1,182
Business		-	-	-	-	-	-	-	-	84	107	138
Health Science		-	-	-	-	-	-	-	-	38	59	95
Engineering		-	-	-	-	-	-	-	-	-	903	874
Information Technology		-	-	-	-	-	-	-	-	-	80	75

Note : Figures for Polytechnics 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 The course Film, Sound & Video which commenced in 1993/94 was renamed Film & Video in late 1994.

13 Temasek Polytechnic was established in April 1990.

14 Nanyang Polytechnic was established in April 1992.

Source : National University of Singapore
Nanyang Technological University
Singapore Polytechnic
Ngee Ann Polytechnic
Temasek Polytechnic
Nanyang Polytechnic

15.11 FEMALE STUDENTS ADMITTED TO INSTITUTIONS OF HIGHER LEARNING, 1984/85 -1994/95

Session		Number										
Course		1984/85	1985/86	1986/87	1987/88	1988/89	1989/90	1990/91	1991/92	1992/93	1993/94	1994/95
	Total	5,090	5,585	5,820	6,461	6,738	7,731	8,921	9,283	10,761	11,437	11,754
National University of Singapore (NUS) ¹		2,217	2,308	2,581	2,326	2,691	2,589	2,430	2,319	2,588	2,595	2,697
Arts & Social Sciences		686	719	785	773	979	971	955	941	1,029	1,115	1,103
Science ²		501	538	598	689	685	744	772	741	736	686	853
Medicine		49	57	61	79	73	61	50	53	35	40	37
Dentistry		3	9	16	14	10	11	9	7	15	10	12
Law		105	87	130	87	84	99	108	103	117	100	109
Business Administration		353	292	332	337	456	485	302	264	423	411	350
Accountancy ⁵		326	334	400	-	-	-	-	-	-	-	-
Architecture, Building & Estate Management		108	115	106	126	164	144	170	145	131	136	141
Engineering		86	157	153	221	240	74	64	65	102	97	92
Nanyang Technological University (NTU) ^{1,3 & 4}		26	28	19	449	535	783	1,121	1,197	1,236	1,350	1,458
Engineering ⁴		26	28	19	24	26	124	161	142	139	147	229
Accountancy ⁵		-	-	-	425	509	485	415	391	420	450	491
Business		-	-	-	-	-	140	474	471	429	473	491
Communication Studies		-	-	-	-	-	-	-	-	-	69	78
Computer Engineering ⁶		-	-	-	-	-	34	71	73	25	32	35
Materials Engineering		-	-	-	-	-	-	-	14	27	14	26
Arts with Diploma in Education		-	-	-	-	-	-	-	82	170	134	91
Science with Diploma in Education		-	-	-	-	-	-	-	24	26	31	17
National Institute of Education (NIE) ^{1 & 7}		438	773	808	706	595	767	914	888	1,250	1,074	739

Note : See notes to Table 15.10.

15.11 FEMALE STUDENTS ADMITTED TO INSTITUTIONS OF HIGHER LEARNING, 1984/85-1994/95 (continued)

		Number									
Course \ Session	1984/85	1985/86	1986/87	1987/88	1988/89	1989/90	1990/91	1991/92	1992/93	1993/94	1994/95
Singapore Polytechnic	1,189	1,000	895	1,316	1,405	1,633	1,882	2,180	2,395	2,427	2,289
Engineering ⁸	790	727	721	836	797	928	1,061	1,199	1,222	1,253	1,243
Architecture & Building	347	222	101	119	122	148	188	210	255	231	261
Nautical ⁹	-	-	-	-	-	1	1	20	23	25	28
Business ¹⁰	52	51	73	239	333	476	468	580	701	736	680
Computer ¹¹	-	-	-	122	153	80	164	171	194	182	77
Ngee Ann Polytechnic	1,220	1,476	1,517	1,664	1,512	1,959	2,024	2,157	2,110	1,832	2,158
Engineering	528	611	474	540	543	700	764	816	807	728	854
Business Studies & Accountancy	582	765	865	934	801	973	952	1,021	988	859	1,018
Computer Studies	110	100	178	190	168	228	228	232	226	151	154
Mass Communication & Film & Video ¹²	-	-	-	-	-	58	80	88	89	94	132
Temasek Polytechnic ¹³	-	-	-	-	-	-	550	542	605	846	910
Business	-	-	-	-	-	-	341	305	345	404	386
Design	-	-	-	-	-	-	209	93	109	83	97
Science & Technology	-	-	-	-	-	-	-	144	-	-	-
Information Technology & Applied Science	-	-	-	-	-	-	-	-	109	211	183
Engineering	-	-	-	-	-	-	-	-	42	148	244
Nanyang Polytechnic ¹⁴	-	-	-	-	-	-	-	-	577	1,313	1,503
Business	-	-	-	-	-	-	-	-	300	326	393
Health Science	-	-	-	-	-	-	-	-	277	498	555
Engineering	-	-	-	-	-	-	-	-	-	393	462
Information Technology	-	-	-	-	-	-	-	-	-	96	93

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, 1983/84 -1993/94

Session Course		Number										
		1983/84	1984/85	1985/86	1986/87	1987/88	1988/89	1989/90	1990/91	1991/92	1992/93	1993/94
Total		4,749	5,140	5,827	6,847	7,347	7,406	7,634	7,998	8,704	9,720	10,643
National University of Singapore (NUS) ¹		1,583	1,337	1,384	1,584	1,631	1,836	1,694	1,856	1,926	2,010	2,181
Arts & Social Sciences		239	280	249	281	291	325	317	372	407	481	512
Science ²		219	313	345	432	414	526	518	625	609	678	682
Medicine		105	82	103	155	113	164	151	114	119	95	99
Dentistry		23	12	20	23	26	34	17	10	27	14	23
Law		52	60	71	82	100	113	88	107	115	92	87
Business Administration		161	178	140	151	201	209	192	222	211	183	280
Accountancy		80	73	81	99	-	-	-	-	-	-	-
Architecture, Building & Estate Management		155	146	130	152	180	148	143	120	99	132	136
Engineering		549	193	245	209	306	317	268	286	339	335	362
Nanyang Technological University (NTU) ^{1 & 3}		-	501	597	560	736	794	823	921	1,248	1,555	1,708
Engineering		-	501	597	560	616	664	642	724	869	978	1,062
Accountancy		-	-	-	-	120	130	181	197	208	295	271
Business		-	-	-	-	-	-	-	-	60	99	133
Computer Technology		-	-	-	-	-	-	-	-	111	183	213
Materials Engineering		-	-	-	-	-	-	-	-	-	-	29
National Institute of Education (NIE) ^{1 & 4}		184	126	152	158	193	171	274	266	289	266	338

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 Technological 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, 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	2,148	2,223	2,527	2,776	2,909	2,825	3,016	3,000	3,104	3,315	3,344
Engineering ⁵	1,694	1,811	2,037	2,397	2,464	2,412	2,644	2,562	2,576	2,769	2,794
Architecture & Building	287	291	324	234	317	268	184	206	190	174	146
Nautical ⁶	106	79	80	35	30	32	27	32	42	70	123
Business ⁷	61	42	86	55	39	47	94	110	165	163	168
Computer ⁸	-	-	-	55	59	66	67	90	131	139	113
Ngee Ann Polytechnic	834	953	1,167	1,769	1,878	1,780	1,827	1,920	2,105	2,235	2,361
Engineering	665	781	919	1,511	1,675	1,553	1,592	1,692	1,852	1,979	2,042
Business Studies & Accountancy	124	151	169	160	149	180	189	158	180	179	210
Computer Studies	45	21	79	98	54	47	46	70	68	66	94
Mass Communication & Film & Video ⁹	-	-	-	-	-	-	-	-	5	11	15
Temasek Polytechnic ¹⁰	-	-	-	-	-	-	-	35	32	144	295
Business	-	-	-	-	-	-	-	-	-	66	118
Design	-	-	-	-	-	-	-	35	32	27	46
Information Technology & Applied Science	-	-	-	-	-	-	-	-	-	51	45
Engineering	-	-	-	-	-	-	-	-	-	-	86
Nanyang Polytechnic ¹¹	-	-	-	-	-	-	-	-	-	195	416
Engineering ¹²	-	-	-	-	-	-	-	-	-	195	412
Health Science	-	-	-	-	-	-	-	-	-	-	4

Note : Figures for Polytechnics include part-time students.

5 Include technology courses, eg Biotechnology.

6 Include Maritime Transportation.

7 From 1993/94 it was known as Business and include Accountancy, Banking and Finance.

8 Refer to courses conducted by Japan-Singapore Institute of Software Technology. The Institute was transferred to Singapore Polytechnic with effect from 1 April 1987.

9 The course Film, Sound & Video which commenced in 1993/94 was renamed Film & Video in late 1994.

10 Temasek Polytechnic was established in April 1990.

11 Nanyang Polytechnic was established in April 1992.

12 Refer to students transferred from the Economic Development Board Institutions (graduates were conferred with the German-Singapore Institute or French-Singapore Institute certificates).

Source : National University of Singapore
Nanyang Technological University
Singapore Polytechnic
Ngee Ann Polytechnic
Temasek Polytechnic
Nanyang Polytechnic

15.13 FEMALE GRADUATES FROM INSTITUTIONS OF HIGHER LEARNING, 1983/84-1993/94

		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
	Total	3,583	3,815	4,591	5,036	5,235	5,409	6,077	6,554	7,595	8,598	8,988
National University of Singapore (NUS) ¹												
Arts & Social Sciences		600	766	873	828	808	887	876	1,080	1,104	1,173	1,133
Science ²		507	541	600	580	568	640	760	706	728	843	801
Medicine		58	55	47	45	56	60	56	53	78	61	66
Dentistry		21	15	15	17	2	10	11	10	10	11	6
Law		54	67	89	90	108	84	122	88	79	93	99
Business Administration		229	286	391	367	303	343	341	453	479	262	282
Accountancy		265	291	330	311	-	-	-	-	-	-	-
Architecture, Building & Estate Management		56	77	113	118	124	93	109	144	158	144	182
Engineering		36	19	18	34	24	33	32	50	53	68	51
Nanyang Technological University (NTU) ^{1 & 3}												
Engineering		-	56	64	104	386	522	510	626	768	1,028	1,005
Accountancy		-	56	64	104	79	115	119	156	175	135	104
Business		-	-	-	-	307	407	391	470	443	396	378
Computer Technology		-	-	-	-	-	-	-	-	118	446	451
Materials Engineering		-	-	-	-	-	-	-	-	32	51	65
		-	-	-	-	-	-	-	-	-	-	7
National Institute of Education (NIE) ^{1 & 4}												
		683	409	572	651	764	589	719	760	934	903	935

Note : See notes to Table 15.12.

15.13 FEMALE GRADUATES FROM 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		615	644	714	950	911	941	1,184	1,231	1,489	1,755	1,899
Engineering ⁵		382	435	520	662	588	671	753	706	787	1,002	1,035
Architecture & Building		229	205	168	172	211	109	113	108	116	150	197
Nautical ⁶		-	-	-	-	-	-	-	-	-	1	16
Business ⁷		4	4	26	37	41	73	227	316	435	444	517
Computer ⁸		-	-	-	79	71	88	91	101	151	158	134
Ngee Ann Polytechnic		459	589	765	941	1,181	1,207	1,357	1,299	1,660	1,757	1,882
Engineering		126	141	246	422	496	406	435	422	563	617	684
Business Studies & Accountancy		273	366	405	418	546	649	781	698	865	861	940
Computer Studies		60	82	114	101	139	152	141	179	186	208	175
Mass Communication & Film & Video ⁹		-	-	-	-	-	-	-	-	46	71	83
Temasek Polytechnic ¹⁰		-	-	-	-	-	-	-	54	55	444	501
Business		-	-	-	-	-	-	-	-	-	311	277
Design		-	-	-	-	-	-	-	54	55	65	73
Information Technology & Applied Science		-	-	-	-	-	-	-	-	-	68	98
Engineering		-	-	-	-	-	-	-	-	-	-	53
Nanyang Polytechnic ¹¹		-	-	-	-	-	-	-	-	-	56	146
Engineering ¹²		-	-	-	-	-	-	-	-	-	56	103
Health Science		-	-	-	-	-	-	-	-	-	-	43

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, 1992-1994

Type of Training/Level	Number								
	1992			1993			1994		
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
Intake of Trainees									
Total	10,404	6,757	3,647	9,743	6,466	3,277	6,882 ¹	4,520	2,362
Engineering Industrial Technician Certificate	1,404	1,232	172	1,373	1,239	134	1,336	1,222	114
Business Studies Certificate in Business Studies/ Certificate in Office Skills	2,365	306	2,059	1,915	287	1,628	1,978	450	1,528
Technical Skills National Technical Certificate (Incl Certificate of Vocational Training)	6,489	5,189	1,300	6,298	4,901	1,397	3,455	2,824	631
Service Skills Certificate in Service Skills	146	30	116	157	39	118	113	24	89
Trainees who Completed the Programmes									
Total	8,173	5,174	2,999	8,209	5,151	3,058	8,037	5,203	2,834
Engineering Industrial Technician Certificate	1,047	894	153	1,054	922	132	1,126	985	141
Business Studies Certificate in Business Studies/ Certificate in Office Skills	1,983	174	1,809	2,139	220	1,919	1,965	281	1,684
Technical Skills National Technical Certificate (Incl Certificate of Vocational Training)	5,089	4,096	993	4,886	3,984	902	4,812	3,905	907
Service Skills Certificate in Service Skills	54	10	44	130	25	105	134	32	102

Notes : The Full-time Institutional Training and Apprenticeship Programmes are offered to school leavers with GCE 'O' and 'N' level qualifications.

Source : Institute of Technical Education

¹ The significant drop in the intake in 1994 was contributed mainly by the reduced pool of primary 8 Monolingual and Extended (P8M/P8E) school leavers enrolled into ITE with the phasing in of the Improved Education System. Those who would have been channelled into P8M/P8E under the former system would now be enrolled in the new Secondary Normal (Technical) course conducted in MOE schools.

**15.15 TRAINING PLACES TAKEN UP BY WORKERS UNDER THE SKILLS TRAINING PROGRAMMES
AND WORKERS WHO COMPLETED THE PROGRAMMES, 1992-1994**

Type of Training/Level	1992			1993			1994		
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
Training Places Taken Up									
Total	21,434	18,617	2,817	20,443	17,690	2,753	17,202	15,051	2,151
Engineering Industrial Technician Certificate	523	481	42	565	527	38	506	481	25
Technical Skills National Technical Certificate	19,564	17,057	2,507	18,639	16,100	2,539	15,609	13,585	2,024
Other Certificates (Incl Certificate of Competency)	289	287	2	213	208	5	224	222	2
Others (Incl customised courses)	1,058	792	266	1,026	855	171	863	763	100
Workers who Completed the Programmes									
Total	18,052	15,633	2,419	17,224	14,790	2,434	16,764	14,592	2,172
Engineering Industrial Technician Certificate	184	173	11	232	217	15	253	243	10
Technical Skills National Technical Certificate	16,528	14,388	2,140	15,778	13,535	2,243	15,436	13,376	2,060
Other Certificates (Incl Certificate of Competency)	282	280	2	198	193	5	212	210	2
Others (Incl customised courses)	1,058	792	266	1,016	845	171	863	763	100

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.

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, 1992-1994**

Number

Type of Programme	1992			1993			1994			
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	
Total	Training Places Taken Up									
	66,482	28,992	37,490	53,876	23,370	30,506	47,511	20,694	26,817	
	Basic Education for Skills Training (BEST)	26,875	10,213	16,662	19,853	7,480	12,373	16,877	6,583	10,294
	Worker Improvement through Secondary Education (WISE)	21,738	9,993	11,745	18,675	8,538	10,137	17,450	7,856	9,594
	Continuing Education	17,869	8,786	9,083	15,348	7,352	7,996	13,184	6,255	6,929
	Workers who Completed the Programmes									
	41,294	17,623	23,671	33,471	14,110	19,361	29,293	12,696	16,597	
Basic Education for Skills Training (BEST)	15,955	6,065	9,890	11,485	4,265	7,220	9,784	3,878	5,906	
Worker Improvement through Secondary Education (WISE)	13,398	5,913	7,485	12,217	5,388	6,829	11,177	4,939	6,238	
Continuing Education	11,941	5,645	6,296	9,769	4,457	5,312	8,332	3,879	4,453	

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, 1984/85-1994/95

Thousand Dollars

	1984/85	1985/86	1986/87	1987/88	1988/89	1989/90	1990/91	1991/92	1992/93	1993/94	1994/95 ^P
Total	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	2,884,331	3,416,470
Recurrent Expenditure	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	2,191,774	2,485,712
Primary Schools	403,915	422,806	384,044	392,741	446,713	497,385	531,475	551,040	568,250	600,721	667,307
Secondary Schools & Junior Colleges	392,387	431,866	402,396	424,465	486,226	533,091	570,968	597,506	616,059	664,452	765,601
Institute of Technical Education	65,662	80,294	68,966	64,191	72,857	79,551	84,300	87,580	89,000	103,100	110,905
Tertiary	350,152	387,224	362,813	413,541	393,298	434,842	526,477	1,038,782	638,704	710,810	821,363
National University of Singapore & Nanyang Technological University	240,448	253,811	240,805	293,443	259,014	288,571	351,476	841,154	412,524	425,686	477,281
National Institute of Education	21,268	22,979	19,883	20,843	21,072	19,395	23,591	27,620	29,850	31,377	35,222
Polytechnics	88,436	110,434	102,125	99,255	113,212	126,876	151,410	170,008	196,330	253,747	308,860
Others ¹	60,443	66,135	59,069	57,613	62,764	74,891	81,301	81,888	131,165	112,691	120,536
Development Expenditure	497,169	387,255	361,479	301,405	142,444	145,305	260,552	459,577	554,716	692,557	930,758

¹ Include Curriculum Development Institute of Singapore, Extra Curriculum Activities Centre, Institute of Southeast Asian Studies, Science Centre Board and headquarters expenditure.

Source : Ministry of Education

16 HEALTH AND MEDICAL CARE

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 21 community health clinics and 19 maternal and child health clinics. The family health services offer outpatient 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 are undertaken by School Health Services.

Statistics on immunization are collected from the various MCH 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 11 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, 1984-1994

Number

Year	Hospitals			Government Dental Clinics ²	Family Health Services ³	
	Total	Public Sector Hospitals ¹	Private Sector Hospitals		Outpatient	Maternal & Child Health
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
1994	24	13	11 ⁴	185	21	19

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.

4 Chronic Sick Unit in Woodbridge Hospital was managed by Ren Ci Hospital with effect from 1 September 1994.

Source : Ministry of Health

16.2 REGISTERED HEALTH PERSONNEL, 1984-1994

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
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	140	500	37	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
1994	2,051	2,082	168	176	568	23	150	575	48	5,202 ^p	2,542 ^p	1,378 ^p	1,413 ^p	641 ^p	512 ^p	251 ^p	108 ^p	147 ^p

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, 1984-1994

Number

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Total	8,085	8,329	8,274	8,191	7,893	7,852	7,922	7,892	7,833	8,640	8,346
Alexandra Hospital	545	560	560	554	523	520	397	397	399	470	454
Changi Hospital	203	203	144	144	144	144	144	144	144	144	144
Singapore General Hospital	1,656	1,671	1,650	1,621	1,488	1,479	1,663	1,664	1,660	1,646	1,678
Tan Tock Seng Hospital ¹	1,274	1,434	1,407	1,410	1,445	1,432	1,432	1,362	1,133	1,123	1,061
Communicable Disease Centre ²	-	-	-	-	-	-	-	-	214	220	220
Toa Payoh Hospital	410	410	410	410	410	407	350	357	357	357	357
Kandang Kerbau Hospital	681	681	561	561	510	440	490	516	514	514	514
St Andrew's Hospital ³	80	80	80	-	-	-	-	-	-	-	-
Middle Road Hospital ⁴	44	44	35	35	-	-	-	-	-	-	-
Middleton Hospital ⁵	228	-	-	-	-	-	-	-	-	-	-
Woodbridge Hospital	2,714	2,714	2,714	2,654	2,500	2,500	2,500	2,500	2,460	2,943	2,751
View Road Hospital	250	250	250	250	250	250	250	250	250	250	290
National University Hospital ⁶	-	282	463	552	623	680	696	702	702	702	709
Ang Mo Kio Community Hospital ⁷	-	-	-	-	-	-	-	-	-	271	168

Source : Ministry of Health

1 Restructured with effect from 1 April 1992.

2 Operating as a separate government entity from Tan Tock Seng Hospital with effect from 1 April 1992.

3 Closed with effect from 31 December 1987.

4 Closed with effect from 9 December 1988.

5 Renamed Communicable Disease Centre and came under the administration of Tan Tock Seng Hospital in January 1985.

6 Started functioning with effect from 24 June 1985.

7 Started functioning with effect from 28 June 1993.

16.4 BEDS IN PRIVATE SECTOR HOSPITALS, 1984-1994

Number

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1984
Total	1,602	1,671	1,837	1,836	1,837	1,792	1,837	1,909	1,893	1,829	2,100
Gleneagles Hospital	127	127	127	126	130	132	132	132	151	151	230
Jurong Hospital ¹	40	40	40	40	40	40	40	40	-	-	-
Mt Alvernia Hospital	304	304	304	304	304	304	321	321	276	276	276
East Shore Hospital ²	149	149	149	149	145	137	135	145	145	145	145
Youngberg Hospital	55	55	38	38	38	20	40	40	40	40	40
Adam Road Hospital ³	45	45	45	45	45	45	60	60	60	56	56
Kwong Wai Shiu Hospital	425	505	505	505	454	454	454	454	454	374	374
Shenton Medical Centre ⁴	18	18	16	16	16	15	10	10	-	-	-
Thomson Medical Centre	96	108	108	108	160	160	160	158	160	160	160
Mt Elizabeth Hospital	323	300	485	485	485	485	485	485	485	505	505
Eye Clinic ⁵	20	20	20	20	20	-	-	-	-	-	-
Balestier Medical Centre ⁶	-	-	-	-	-	-	-	64	62	62	62
St Andrew's Community Hospital ⁷	-	-	-	-	-	-	-	-	60	60	60
Ren Ci Hospital ⁸	-	-	-	-	-	-	-	-	-	-	192

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 Opened with effect from 1 October 1991.

7 Opened with effect from 19 February 1992.

8 Chronic Sick Unit in Woodbridge Hospital came under the administration of Ren Ci Hospital with effect from 1 September 1994.

16.5 ADMISSIONS TO PUBLIC SECTOR HOSPITALS, 1984-1994

											Number
	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Total	230,138	232,988	237,014	247,659	265,380	257,407	259,541	259,752	265,535	259,446	257,843
Alexandra Hospital	33,898	33,255	30,145	29,468	29,300	26,896	20,142	19,716	18,361	17,680	14,996
Changi Hospital	3,466	3,755	3,937	3,245	3,889	4,451	4,926	4,272	4,401	4,738	5,416
Singapore General Hospital	62,310	64,982	65,473	73,950	83,756	80,045	80,643	84,411	84,633	82,840	84,461
Tan Tock Seng Hospital ¹	38,459	42,987	45,475	47,672	47,958	45,911	46,351	45,200	44,544	42,555	41,145
Communicable Disease Centre ²	-	-	-	-	-	-	-	-	2,268	2,560	2,051
Toa Payoh Hospital	29,925	29,477	28,070	26,961	27,968	26,077	22,513	21,387	21,228	20,555	22,735
Kandang Kerbau Hospital	48,436	48,442	39,620	32,648	34,409	29,648	36,172	38,966	41,186	40,813	38,671
St Andrew's Hospital ³	174	124	158	140	-	-	-	-	-	-	-
Middle Road Hospital ⁴	887	738	767	803	673	-	-	-	-	-	-
Middleton Hospital ⁵	6,587	-	-	-	-	-	-	-	-	-	-
Woodbridge Hospital	5,828	6,056	5,959	5,908	5,756	5,837	5,926	5,560	5,643	6,079	6,629
View Road Hospital	168	179	130	129	114	127	148	87	146	143	138
National University Hospital ⁶	-	2,993	17,280	26,735	31,557	38,415	42,720	40,153	43,125	41,184	40,482
Ang Mo Kio Community Hospital ⁷	-	-	-	-	-	-	-	-	-	299	1,119

Note : See notes to Table 16.3.

Source : Ministry of Health

16.6 HOSPITAL ADMISSIONS, PUBLIC SECTOR OUTPATIENT ATTENDANCES AND DAY SURGERIES, 1984-1994

	Number										
	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Hospital Admissions											
Total	277,881	280,152	290,322	310,302	337,723	330,301	337,103	336,937	348,126	342,591	343,261
Public Sector Hospitals ¹	230,138	232,988	237,014	247,659	265,380	257,407	259,541	259,752	265,535	259,446	257,843
Private Sector Hospitals	47,743	47,164	53,308	62,643	72,343	72,894	77,562	77,185	82,591	83,145	85,418
Public Sector Outpatient Attendances											
Specialist Outpatient Clinics	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	1,963,901
Accident & Emergency Departments	469,522	438,308	378,145	436,660	485,762	514,434	533,571	541,502	545,339	510,556	500,210
Family Health Services ²											
Oupatient	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	2,059,955
Maternal & Chlld Health	782,118	747,623	765,919	771,122	808,395	812,503	791,865	775,583	809,759	790,014	739,293
Dental Clinics	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	1,054,561
Day Surgeries											
Operations	14,909	15,789	18,677	20,453	22,346	28,746	38,126	40,845	51,634	60,400	58,357

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, 1984-1994

Number

Year	Dental Clinics			
	Total	School	Hospital	Community
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
1994	1,054,561	790,164	174,435	89,962

Source : Ministry of Health

16.8 NOTIFICATIONS OF SPECIFIC NOTIFIABLE DISEASES, 1984-1994

Year											Number
	Dengue/ DHF	Malaria	Enteric Fever ¹	Viral Hepatitis	Cholera	Polio- myelitis	Diphthe- ria	Chicken pox	Viral Encephali- tis	Tuber- culosis	Leprosy
1984	86	193	118	601	40	2	-	3,034	17	2,143	43
1985	126	166	148	610	27	-	-	2,925	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	29,976	10	1,747	41
1993	946	354	144	317	24	-	-	43,876	2	1,939	24
1994	1,239	277	151	258	42	-	-	39,558	-	1,839 ^P	27

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, 1984-1994

Per Cent

		1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
BCG												
National		95	93	94	98	99	99	99	99	99	98	97
Public		75	73	68	61	57	53	47	46	47	45	45
Private		20	20	26	37	42	46	52	53	52	53	52
Diphtheria												
National		77	78	91	96	90	90	86	91	90	92	95
Public		63	63	69	59	66	65	63	66	72	75	64
Private		14	15	22	37	24	25	23	25	18	17	31
Polio												
National		81	81	94	95	90	91	86	91	92	92	92
Public		64	63	69	59	66	66	63	66	63	70	61
Private		17	18	25	36	24	25	23	25	29	22	31
Measles												
National		85	75	85	94	82	77	82	92	89	87	89
Public		73	61	64	63	62	60	60	71	61	68	66
Private		12	14	21	31	20	17	22	21	28	19	23

Source : Ministry of Health

16.10 VACCINATION AND IMMUNIZATION OF SCHOOL CHILDREN, 1984-1994

Thousand Doses

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
BCG Vaccination	35.4	32.9	29.2	31.2	39.0	31.5	34.5	31.8	27.7	38.9	34.3
Diphtheria Tetanus	81.2	81.8	78.5	71.0	79.2	76.2	74.5	76.4	70.2	81.2	81.5
Poliomyelitis Immunization	75.6	80.4	77.1	57.0	77.4	73.6	74.0	75.7	70.1	81.1	81.3
Rubella	44.9	44.5	40.0	38.2	41.7	36.4	38.0	37.2	30.7	45.3	40.7

Source: Ministry of Health

16.11 STUDENT MEDICAL CHECK-UP, 1984-1994

Thousand

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Total	174.3	196.6	195.6	469.6	616.3	611.1	589.7	580.0	587.9	660.9	647.2
Category of Students:											
New Entrants	38.4	39.1	39.9	39.9	40.5	40.8	39.0	40.2	41.5	37.8	43.3
Primary School Leavers and equivalent levels	48.8	47.2	42.9	39.7	42.7	38.3	38.5	38.9	33.2	49.6	45.3
Secondary School Leavers and equivalent levels	21.4	37.4	35.7	35.2	38.7	37.8	36.7	36.0	39.1	36.1	35.8
Re-examination	64.0	71.7	77.2	354.8	485.6	486.6	472.6	461.8	470.6	533.7	518.9
Others ¹	1.7	1.3	-	-	8.8	7.6	2.8	3.1	3.5	3.5	3.9
Sex of Students:											
Males	79.0	100.4	98.9	242.8	319.8	317.4	305.5	300.1	302.9	345.4	334.4
Females	95.3	96.2	96.7	226.8	296.5	293.7	284.2	279.9	285.0	315.5	312.8

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, 1984-1994

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	
Incidence of:	Per 10,000 Males Examined											
	Defective Vision	2,786	3,490	4,062	3,598	3,824	4,062	4,106	4,243	4,407	4,432	4,767
	Obesity - Primary School Entrants	622	777	952	1,174	1,189	1,156	1,188	1,426	1,501	1,519	1,381
	- Primary School Leavers	1,123	1,144	1,443	1,570	1,789	1,785	1,881	2,080	2,117	2,121	1,442
	- Secondary School Leavers ¹	-	-	-	1,271	1,320	1,385	1,401	1,634	1,719	1,676	1,227
	Scoliosis	331	587	477	538	494	527	505	232	313	255	263
	Asthma	na	123	295	135	166	129	468	462	445	552	545
	Phimosis	444	493	514	511	426	377	330	301	287	334	272
	Per 10,000 Females Examined											
	Incidence of:											
	Defective Vision	3,773	4,409	4,514	3,998	4,151	4,377	4,424	4,532	4,640	4,797	4,767
	Obesity - Primary School Entrants	555	650	761	973	1,004	938	977	1,217	1,197	1,288	1,377
	- Primary School Leavers	757	716	930	1,023	1,020	1,010	1,159	1,372	1,315	1,545	1,232
	- Secondary School Leavers	1,019	971	1,047	1,106	1,158	1,162	1,136	1,357	1,465	1,399	1,255
	Scoliosis	622	957	852	791	837	896	853	538	637	537	533
	Asthma	na	80	199	100	101	93	334	308	274	455	406
	Heart Conditions	138	201	147	189	182	158	294	229	185	255	210

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, 1984-1994

Year	Donors	Blood Donations Received							Blood Transfusions Given		
		Total	National Blood Centre		Mobile	Red Cross	National University Hospital Blood Centre ²	Manulife Static Site ³	Total	Public Sector Hospitals ⁴	Private Sector Hospitals
			Total ¹	Apheresis Donations							
	Persons	Number of Units									
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
1994	45,855	64,164	33,648	2,881	22,324	2,563	5,331	298	53,525	44,737	8,788

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.

17 HAWKERS AND FOOD ESTABLISHMENTS

17 HAWKERS AND FOOD ESTABLISHMENTS

The Ministry of the Environment issues licences to hawkers and operators of food establishments. It also ensures that all licensees 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 and snack bars.

**17.1 LICENSED HAWKERS BY a) TYPE OF PREMISES AND b) TYPE OF GOODS SOLD, 1984-1994
(End of Year)**

	Number										
	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Total	7,580	6,775	6,479	6,254	6,095	5,813	5,358	4,689	4,475	4,286	4,142
Type of Premises											
Market/Food Centre	6,693	6,353	6,098	5,960	5,817	5,613	5,184	4,530	4,332	4,157	4,020
Street Pitch ¹	576	151	126	56	54	-	-	-	-	-	-
Show Case	52	43	38	31	28	26	19	18	18	14	13
Itinerant ²	259	228	217	207	196	174	155	141	125	115	109
Type of Goods Sold											
Market Produce	3,242	2,906	2,776	2,642	2,532	2,420	2,198	1,856	1,785	1,698	1,594
Cooked Food	3,506	3,127	3,069	2,994	2,939	2,825	2,634	2,357	2,222	2,140	2,097
Piece & Sundries	832	742	634	618	624	568	526	476	468	448	451

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, 1984-1994
(End of Year)**

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	Number 1994
Total	18,751	19,011	18,974	18,574	18,194	17,203	16,484	16,182	15,933	15,516	15,499
Management Authority											
Housing & Development Board	17,198	17,410	17,514	17,158	16,917	16,356	15,814	15,509	15,384	15,169	15,162
Jurong Town Corporation	231	229	226	228	230	228	226	227	216	215	210
Port of Singapore Authority	58	60	75	76	76	76	70	70	72	72	72
Singapore Tourist Promotion Board	26	29	29	29	29	25	-	-	-	-	-
Private Market	1,238	1,283	1,130	1,083	942	518	374	376	261	60	55
Type of Goods Sold											
Market Produce	10,201	10,330	10,190	9,853	9,541	8,863	8,352	8,177	8,037	7,837	7,814
Cooked Food	6,274	6,352	6,401	6,352	6,309	6,119	5,963	5,880	5,786	5,675	5,675
Piece & Sundries	2,276	2,329	2,383	2,369	2,344	2,221	2,169	2,125	2,110	2,004	2,010

Source : Ministry of the Environment

17.3 LICENSED FOOD ESTABLISHMENTS, 1984-1994

End of Year	Total	Restaurants	Eating Houses	Snack Bars	Canteens		Coffee Shops	Food Factories	Super-markets	Number
					School	Others				Others
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
1994	9,265	1,578	1,491	1,108	399	1,215	119	1,441	163	1,751

Source : Ministry of the Environment

18 COMMUNITY SERVICES

Services for Senior Citizens

The MCD 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.

Grassroots organizations include Residents' Committee, Chinese Consultative Committee, Community Centre, Club Management Committee, Women's Executive Committee, Senior Citizens' Executive Committee and Community Sports Clubs. These provide simple organizations

Grassroots organizations

in addition, the MCD organizes establishment of child care centres to meet the needs of working mothers and alternative child care arrangements for

working mothers who are unable to leave their children at home.

Grassroots organizations

Grassroots organizations include Residents' Committee, Chinese Consultative Committee, Community Centre, Club Management Committee, Women's Executive Committee, Senior Citizens' Executive Committee and Community Sports Clubs. These provide simple organizations

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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.

In addition, the MCD promotes the establishment of child care centres to meet the needs of working mothers for alternative child care arrangements for their children.

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 MCD 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 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 objective of the child care programme is to promote and develop child care centres. The MCD 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 is provided to help the financially distressed regain their independence. It is not intended as an unemployment, retirement or disability support. Public assistance 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, 1984-1994

End of Year							Number
	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
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	412	81	47	108	90	96	81
1994 ^p	436	81	51	108	88	195	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, 1984-1994

(End of Period)

Number

Volunteer Group	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994 ^P
COMMUNITY SERVICE											
Total	12,417	12,290	14,343	15,753	16,815	17,527	18,211	18,692	19,236	19,898	22,024
RC/Block Representatives ¹	4,476	4,579	5,847	7,031	7,868	8,466	8,590	8,958	8,984	9,687	10,176
CCC/CCC Area-Committees ¹	2,300	2,242	2,408	2,471	2,447	2,551	2,610	2,555	2,662	2,707	2,763
Community Resource Volunteers ²	-	-	-	26	50	76	79	100	114	85	72
Community Centre/Club Management Committees	2,278	2,148	2,152	2,089	2,036	1,950	2,134	2,121	2,213	2,185	2,257
Women's Executive Committees	876	901	942	929	932	946	1,130	1,111	1,206	1,178	1,194
Senior Citizens' Executive Committees ³	-	-	425	693	1,028	1,069	1,146	1,267	1,339	1,389	2,859
Youth Executive Committees	1,485	1,401	1,444	1,387	1,400	1,371	1,371	1,399	1,440	1,454	1,440
Constituency Sports Club Members	1,002	1,019	1,125	1,127	1,054	1,098	1,151	1,181	1,278	1,213	1,263
WELFARE SERVICE											
Total	413	748	700	833	884	825	1,047	1,108	1,235	1,342	1,329
Welfare Service Boards/Committees	na	58	58	96	99	111	90	75	93	69	69
Befrienders for the Aged Destitutes ⁴	-	124	144	165	131	117	127	126	129	128	128
Volunteer Probation Officers	295	391	294	284	264	251	300	330	387	366	404
Befrienders for Senior Citizens	118	175	193	274	375	316	482	534	599	758	707
Volunteers in Toa Payoh Girls' Homes, Singapore Boys' Home and Bukit Batok Boys' Hostel	-	-	11	14	15	30	48	43	27	21	21

Source : Ministry of Community Development

1 RC = Residents' Committees.

CCC = Citizens' Consultative Committees.

2 Community Resource Volunteers started in 1987.

3 Senior Citizens' Executive Committees started in 1986.

4 Befrienders for the Aged Destitutes started in 1985.

18.3 ENROLMENT IN CHILD CARE CENTRES BY TYPE OF PROGRAMME AND ORGANISATION, 1984-1994

Number

Period (As at 1 Dec)	Total	Type of Programme						
		Full-Day Programme						Half-Day Programme
		Total	People's Association	NTUC	Voluntary	Workplace ¹	Private	
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
1994	22,945	20,863	1,126	1,902	6,998	1,489	9,348	2,082

Notes : Data for 1984 to 1986 and 1994 were as at 31 December.

NTUC = National Trades Union Congress.

Source : Ministry of Community Development

1 Include 6 centres set up by employers at workplace but run by private operators and 1 workplace run by NTUC.

18.4 PUBLIC ASSISTANCE RECIPIENTS BY CATEGORY, 1984-1994

End of Period	Number					
	Total	Aged Destitutes	Medically Unfit for Work	Abandoned/ Distressed Wives & Orphans	Handicapped and Disabled	Widows with Children under 12 years old
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
1994	2,132	1,852	76	61	101	42

Source : Ministry of Community Development

18.5 RESIDENTS IN OLD FOLKS' HOMES BY TYPE OF ORGANISATION AND SEX, 1984-1994

Number

End of Period	Total			Government Old Folks' Homes ¹			Sheltered Housing/ Community Homes			Voluntary Nursing Homes ²			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
1994	4,196	1,851	2,345	720	607	113	) 442	) 184	) 258	1,905	682	1,223	1,129	378	751

1 Figures include only those aged 60 years and above.

2 Data prior to 1993 include certain Sheltered Housing/Community Homes.

Source : Ministry of Community Development
Ministry of Health

19 CULTURE AND RECREATION

19 CULTURE AND RECREATION

Radio and Television

The former Singapore Broadcasting Corporation (SBC) has been corporatised into a holding company and several subsidiaries on 1st October 1994.

Singapore International Media (SIM) is the holding company with the group of business firms that succeeded SBC. It provides strategic direction to its subsidiaries.

SBC television is operated by two companies.

The Television Corporation of Singapore (TCS) takes over responsibility for all television productions in English, Mandarin, Malay and Tamil. TCS is responsible for programming on Channel 5 (English language) and Channel 8 (Mandarin and Tamil). It also owns and operates production facilities of the former SBC.

The second television company Television 12 (TV 12) is a special interest and public service television company. It operates Channel 12 and telecasts culture, arts and sports programmes as well as Malay language programmes.

The radio service of SBC is taken over by the Radio Corporation of Singapore (RCS). RCS operates 10 domestic radio stations broadcasting in English, Mandarin, Malay and Tamil as well as an external service, the Radio Singapore International (RSI). RSI broadcasts everyday to the ASEAN region in English, Mandarin and Malay for 3 hours each.

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 cinema attendances are compiled by the Department of Statistics from returns submitted by cinema organisations. Prior to April 1994, they were obtained from the

Customs and Excise Department. 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 opened to Singaporeans and permanent residents free of charge and to foreigners at 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 and one Tampines Regional Library. 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, its eight branch libraries and the Regional Library. 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.

The Arts

Data on arts activities are compiled by the National Arts Council (NAC) from designated performing venues, arts groups and impresarios, and the 'What's On Column' in the Straits Times. Prior to the implementation of GST in April 1994,

pertinent data were also provided by the Customs & Excise Department. The data cover only the serious arts forms promoted by the NAC. They do not include performances of mainly commercial and entertainment value.

Definitions

Performing Arts : Refer to folk, traditional, classical and contemporary forms of dance, music, theatre and other performances. Traditional arts performances like lion and

dragon dances, and street operas are excluded as they are usually performed for closed religious and ceremonial audiences. Performances classified as 'others' include multi-media and multi-discipline performances, and festival openings.

Visual Arts : Refer to public exhibitions of abstract or representational art objects such as paintings, sculpture, pottery, ceramics, creative photography and installation art. Commercial applied arts like graphic and fashion design, film and video, jewellery design and handicraft are excluded.

19.1 RADIO AND TELEVISION LICENCES AND REDIFFUSION SUBSCRIBERS, 1984-1994

Number

End of Year	Radio Licences Issued ¹	Television Licences Issued	Rediffusion Subscribers
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	639,139	33,423
1994	210,370	645,529	29,200

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 : Television Corporation of Singapore
Rediffusion (Singapore) Pte Ltd

19.2 RADIO AND TELEVISION TRANSMISSION, 1984-1994

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	
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
1994	1,955	168	149	140	147	140	483	161	546	21	274.6

¹ Operated with effect from January 1991.

Source : Television Corporation of Singapore
NTUC Voice Co-operative Society Ltd

19.3 CINEMAS, 1984-1994

	Cinemas ¹	Total Seating Capacity ¹	Attendances
	Number	Thousand	
1984	51	57	27,388
1985	47	54	22,702
1986	42	49	19,520
1987	41	48	19,767
1988	46	48	22,251
1989	51	49	21,376
1990	56	48	20,655
1991	60	47	20,736
1992	77	51	19,301
1993	103	59	19,977
1994	107	55	17,857

1 End of Period

Source : Customs & Excise Department
up to March 1994
Department of Statistics
with effect from April 1994

19.4 NATIONAL LIBRARY MEMBERSHIP, 1984-1994

Number

Year	Total	Persons Aged 12 Years & Over	Children Under 12 Years
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
1994	935,757	745,722	190,035

¹ Members re-registered as a result of computerisation.

Source : Singapore National Library

19.5 BOOK COLLECTIONS AT THE NATIONAL LIBRARY, 1984-1994

					Number
Year	Total	English	Chinese	Malay	Tamil
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
1994	2,969,292	1,861,246	675,681	341,883	90,482

Source : Singapore National Library

19.6 LOANS OF BOOKS AT THE NATIONAL LIBRARY, 1984-1994

Number

Year	Total	Persons Aged 12 Years & Over	Children Under 12 Years
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
1994	9,738,324	4,782,295	4,956,029

Source : Singapore National Library

19.7 DAILY NEWSPAPER CIRCULATION, 1984-1994

Number

Year	Total	English	Chinese	Malay	Tamil
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
1994	1,029,043	513,506	450,539	59,751	5,247

19.8 VISITORS TO PLACES OF INTEREST, 1984-1994

Thousand

Period	National Museum ¹	Singapore Science Centre ²	Singapore Zoological Gardens	Sentosa ³	Chinese/Japanese Gardens ³	Jurong Bird Park ³
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	266.9	543.1	1,164.5	3,320.0	395.5	1,026.7
1992	237.7	515.0	1,355.3	3,609.8	350.9	1,532.9
1993	243.2	533.9	1,486.7	4,040.0	286.6	1,549.6
1994	273.0	529.3	1,433.6	4,102.0	286.0	1,512.7

- 1 Major renovation and repair were carried out during January 1989 - November 1990.
 2 Figures for 1984-1986 refer to financial years from April to March of the following year.
 3 Figures refer to financial years from April to March of the following year.

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, 1984-1994

Number

Period	Swimming (Complex)	Tennis (Court)	Badminton (Court)	Squash (Court)	Netball (Court)	Soccer	Hockey	Rugby	Athletics
	Attendance	Bookings							
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	5,695,235	140,642	117,203	49,078	2,675	8,350	1,036	114	920
1994 ^P	5,397,994	122,550	153,789	47,906	3,353	9,775	1,305	230	571

Notes : Data refer to sports facilities provided by Singapore Sports Council.
Figures for 1984 refer to financial year from April to March of the following year.

Source : Singapore Sports Council

19.10 SPORTS AND CULTURAL COURSES CONDUCTED BY COMMUNITY CENTRES/CLUBS, 1984-1994

Type of Course	Number									
	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	FY 93/94
SPORTS COURSES	Classes									
	1,557	1,749	1,938	2,150	1,700	2,090	2,452	2,309	2,317	2,264
	382	446	429	427	320	314	387	323	313	220
	8	17	11	15	6	2	4	-	-	-
	325	367	436	698	340	353	347	364	412	408
	541	666	774	752	734	801	835	818	825	891
	114	111	108	111	117	62	117	118	114	134
	187	139	179	143	180	558	762	686	646	611
	-	3	1	4	3	-	-	-	7	-
	3,158	4,130	4,657	4,826	4,887	5,450	5,474	5,679	6,229	6,672
	1,704	2,356	2,634	2,528	2,667	3,028	3,022	2,911	3,055	3,097
	30	41	49	40	41	38	29	22	168	416
CULTURAL COURSES	1,421	1,733	1,974	2,254	2,179	2,369	2,420	2,738	2,993	2,173
	-	-	-	-	-	-	-	-	-	977
	3	-	-	4	-	15	3	8	13	9
	Participants									
	40,158	45,571	56,137	67,702	40,522	44,751	45,219	41,143	37,817	35,420
	5,220	5,951	5,757	5,263	3,656	3,056	3,601	3,196	2,696	2,101
	125	309	172	197	73	32	41	-	-	-
	6,445	8,100	13,402	27,557	6,889	6,985	6,974	5,996	6,361	5,804
	20,341	24,640	30,004	28,278	23,038	24,145	24,328	22,020	19,576	17,914
	3,697	3,716	3,550	3,508	3,795	2,194	3,853	3,319	3,122	4,058
	4,330	2,751	3,218	2,801	3,016	8,339	6,422	6,612	5,964	5,543
	-	104	34	98	55	-	-	-	98	-
CULTURAL COURSES	50,311	63,451	68,875	72,299	77,893	90,124	88,277	90,190	92,912	90,420
	36,046	46,369	49,856	51,205	55,134	60,355	57,207	54,942	51,790	47,148
	488	733	847	646	660	628	461	396	2,971	6,763
	13,732	16,349	18,172	20,321	22,099	28,814	30,525	34,452	37,643	14,160
	-	-	-	-	-	-	-	-	-	22,225
	45	-	-	127	-	327	84	400	508	124

Note : Period refers to financial year from April to March of the following year.

Source : People's Association

1 Prior to financial years 1993/94, Vocal was grouped under Music.

19.11 THE ARTS, 1987-1994

Number

Art Form	1987	1988	1989	1990	1991	1992	1993	1994
Performing Arts								
Total Performances ¹	1,362	1,492	1,485	1,693	1,698	1,790	1,915	2,085
Music	460	490	484	492	552	608	670	753
Dance	105	158	87	123	96	142	112	140
Theatre	591	505	658	931	952	1,006	1,071	963
Others	206	339	256	147	98	34	62	229
Ticketed Performances	713	817	855	949	1,163	1,517	1,609	1,357
Music	213	290	344	333	371	478	512	535
Dance	74	62	49	57	82	79	87	97
Theatre	357	405	398	495	642	937	968	692
Others	69	60	64	64	68	23	42	33
Attendances ²	430,101	484,125	561,936	721,539	678,970	947,636	798,345	806,153
Music	131,060	195,708	229,540	348,689	276,488	377,257	382,827	472,496
Dance	59,091	39,585	76,268	49,619	56,849	76,853	55,159	61,247
Theatre	202,119	212,379	210,722	274,041	292,169	457,414	341,445	259,521
Others	37,831	36,453	45,406	49,190	53,464	36,112	18,914	12,889
Visual Arts/Heritage Exhibitions								
Number	206	169	212	203	255	295	150	208
Days	1,765	1,377	1,776	1,892	2,443	2,762	1,441	2,130

1 Include non-ticketed performances.

2 Refer to ticketed performances.

Source : National Arts Council

20 MISCELLANEOUS

Fire Occurrences

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.

Criminal offences

Singapore's crime statistics are compiled from offences reported to the police during the reference period and not at the time the offences were actually committed.

20.1 FIRE OCCURRENCES, 1984-1994

											Number
Type of Property	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Total	4,646	5,384	5,306	5,206	4,718	5,177	6,444	5,740	5,102	5,724	5,830
Structural (Residential)	2,241	2,332	2,198	2,122	2,269	2,364	2,253	2,176	2,115	2,419	3,283
Structural (Non-Residential)	614	642	700	583	682	590	645	1,149	736	745	627
Non-Structural	1,791	2,410	2,408	2,501	1,767	2,223	3,546	2,415	2,251	2,560	1,920

Source : Singapore Civil Defence Force

20.2 SELECTED CRIMINAL OFFENCES, 1984-1994

Type of Offence	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994 ^P
Robbery	Number of Cases Reported										
	1,620	1,628	1,676	1,681	1,674	1,622	1,577	1,404	1,066	1,008	830
	3,134	3,523	3,001	3,014	3,999	3,931	3,790	3,520	3,039	2,924	2,328
	4,331	4,199	3,505	3,790	3,937	3,615	3,685	3,346	3,491	3,162	2,602
	1,277	1,445	1,159	1,258	1,089	924	999	678	609	589	443
Housebreaking	Per 100,000 Resident Population										
	66	66	67	66	64	61	58	51	38	35	28
	128	142	119	118	154	148	140	127	108	102	79
	177	169	139	148	152	137	136	121	124	110	89
	52	58	46	49	42	35	37	25	22	20	15
Motor Vehicle Theft											
Snatch Theft											

Source : Criminal Investigation Department

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	<u>good</u>	<u>satisfactory</u>	<u>need to be improved</u>
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