



Yearbook of Statistics *Singapore, 1995*

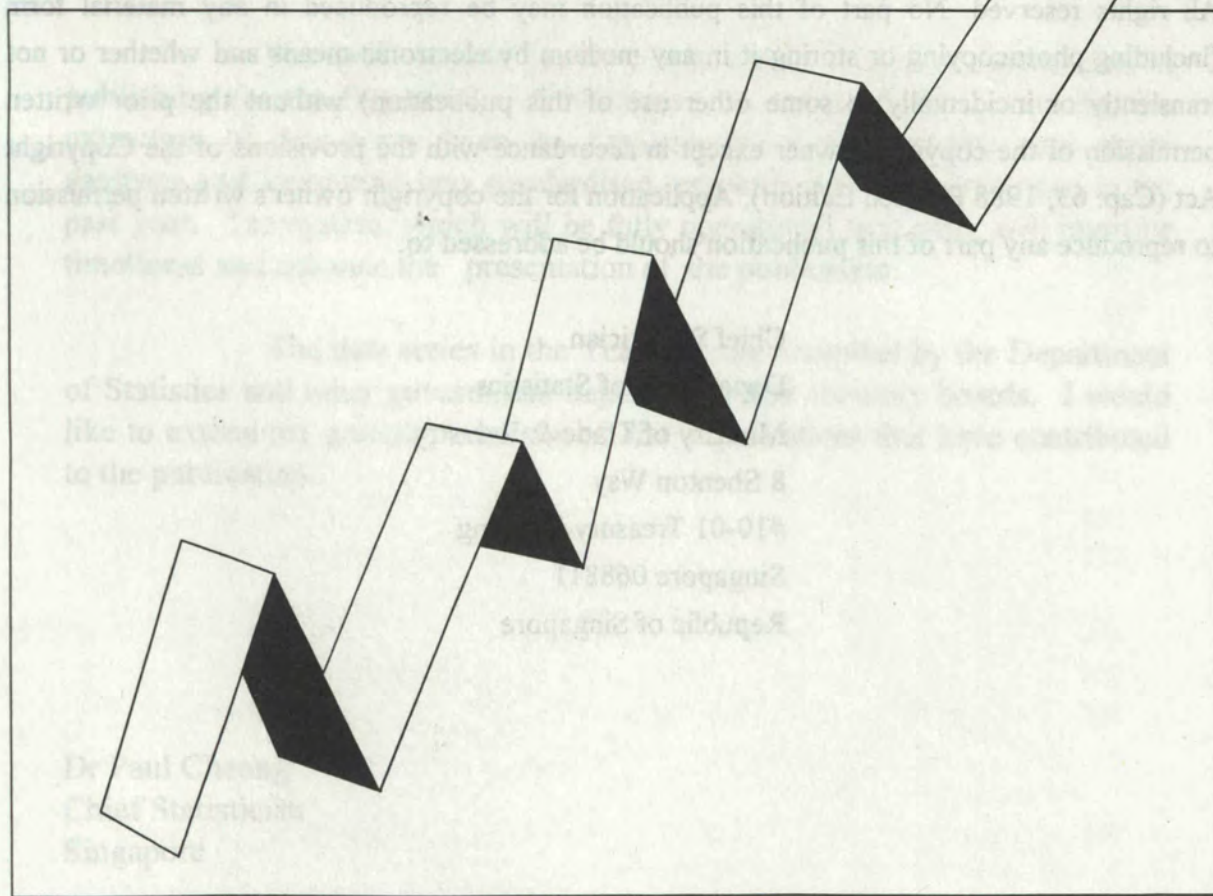


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YEARBOOK OF STATISTICS, SINGAPORE, 1995

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PREFACE

The Yearbook of Statistics, 1995 is the twenty-ninth edition of a series first published in 1967. The publication provides a comprehensive, current statistical record of the key socio-demographic and economic characteristics of Singapore. Users are able to get a snapshot picture of the Singapore economy and population based on the latest available information.

Improvements are constantly made to the Yearbook to enhance its value to users. New data series on topics of interest are added as and when appropriate. Since 1967 when the Yearbook was first published, the number of tables in the publication has increased from 124 to 254. The latest additions include data on Singapore's Corporate Sector, subscribers of pager, handphone and dial-up internet services, conventions and exhibitions held in Singapore, consumer price indices of different income groups, part-time polytechnic enrollment and enrollment at the Open University.

The 1995 edition marks a new era of computer automation in publishing for the Department of Statistics. A computerised system for the extraction of data series from the Department's comprehensive time series database and formatting into standardised templates has been developed in the past year. The system, which will be fully operational next year, will improve timeliness and enhance the presentation of the publication.

The data series in the Yearbook are compiled by the Department of Statistics and other government departments and statutory boards. I would like to extend my grateful thanks to all the organisations that have contributed to the publication.

Dr Paul Cheung
Chief Statistician
Singapore

June 1996

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NOTATIONS

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

NOTE

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

Some figures, particularly those for the most recent time periods, are provisional and may be subject to revision in later issues.

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 seventeen tables are included :-

Table 4.8	Employed Persons Aged 15 Years and Over by Occupational Status and Gross Monthly Income, 1995
6.1	Active Companies By Industry
6.2	Local-controlled Companies By Industry
6.3	Foreign-controlled Companies By Industry
6.4	Total Assets/Liabilities of Companies By Main Industrial Sectors
6.5	Equity Ratios of Companies By Main Industrial Sectors
6.6	Current Ratios of Companies By Main Industrial Sectors
6.7	New Companies Formed By Industry
10.17	Demand, Supply and Occupancy of Jurong Town Corporation Standard/Flatted Factories and Industrial Lands
14.6	Conventions, Exhibitions and Incentive Groups
17.2	Consumer Price Index for Households in Different Income Groups
18.11	Part-time Enrolment in Institutions of Higher Learning by Sex
18.13	Part-time Students Admitted to Institutions of Higher Learning by Sex
18.16	Graduates from Part-time Courses of Institutions of Higher Learning by Sex
18.18	Polytechnic Graduates from Part-time Courses by Course
18.19	Students Admitted to Open University, 1995
18.23	Persons who Registered for Public Trade Tests and Examinations

Replacement of Existing Series

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

Table 5.3	Gross Domestic Products by Industry
5.4	Expenditure on Gross Domestic Product
5.5	Private Consumption Expenditure
5.6	Gross Fixed Capital Formation
5.7	Gross Domestic Product Deflators by Industry
5.8	Deflators of Expenditure on Gross Domestic Product

Other Changes

The following table (in previous editions) has been discontinued :-

Table 3.10	Average Basic and Gross Wages by Occupation
------------	---

Year	Gross National Product (GNP) (1985 = 100)	Per Capita (GNP) (1985 = 100)	Gross National Saving (1985 = 100)	Gross Domestic Investment (1985 = 100)	Gross Domestic Formation (1985 = 100)	Gross Fixed Capital Formation (1985 = 100)
1982	10,330.1	14,780.5	16,283.4	16,283.2	42,345.2	18,751.2
1990	68,300.3	22,647.0	29,981.7	29,981.7	67,378.9	29,771.8
1991	72,382.3	24,378.8	34,183.8	34,183.8	72,800.9	34,452.4
1992	83,432.8	25,938.9	36,228.7	36,228.7	77,391.8	37,331.6
1993	87,460.0	26,673.8	37,112.2	37,112.2	82,473.2	38,802.1
1994	108,339.7	32,100.0	42,112.2	42,112.2	94,003.9	43,300.2
1995	121,121.488	32,032.8	42,112.2	42,112.2	102,320.1	46,021.1
1996	121.2	32.1	42.1	42.1	102.3	46.0
1982	10.3	14.8	16.3	16.3	42.3	18.8
1990	68.3	22.6	29.9	29.9	67.4	29.8
1991	72.4	24.4	34.2	34.2	72.8	34.5
1992	83.4	25.9	36.2	36.2	77.4	37.3
1993	87.5	26.7	37.1	37.1	82.5	38.8
1994	108.3	32.1	42.1	42.1	94.0	43.3
1995	121.1	32.0	42.1	42.1	102.3	46.0
1996	121.2	32.1	42.1	42.1	102.3	46.0

KEY INDICATORS

1.1 NATIONAL INCOME

Year	Gross National Product (GNP) \$ M	Per Capita GNP \$	Gross National Saving \$M	Gross Capital Formation \$M	Gross Domestic Product \$M	Gross Fixed Capital Formation \$M
	At Current Market Prices				At 1990 Market Prices	
1985	40,330.4	14,740.6	16,543.4	16,551.2	45,344.9	18,721.9
1990	68,306.3	22,645.0	29,961.7	24,348.8	67,878.9	21,577.8
1991	75,328.2	24,378.8	34,183.6	25,746.6	72,860.9	24,465.4
1992	82,433.8	25,938.9	38,258.7	29,112.6	77,393.8	27,551.6
1993	93,466.0	28,675.8	42,315.3	35,520.6	85,473.2	30,807.1
1994	108,239.7	32,180.7	52,625.5	35,389.7	94,063.6	33,306.5
1995	121,486.8	35,035.8	60,720.1	39,328.3	102,299.1	36,054.1
Percentage Change Over Previous Year						
1985	-1.2	-1.3	-11.0	-14.8	-1.6	-12.0
1990	14.2	11.0	14.9	19.6	9.0	10.3
1991	10.3	7.7	14.1	5.7	7.3	13.4
1992	9.4	6.4	11.9	13.1	6.2	12.6
1993	13.4	10.6	10.6	22.0	10.4	11.8
1994	15.8	12.2	24.4	-0.4	10.1	8.1
1995	12.2	8.9	15.4	11.1	8.8	8.2

1.2

INFLATION, LABOUR AND BUSINESS COSTS

Year	Measures of Inflation			Unit Labour Cost		Unit Business Cost of Manufacturing (1988 = 100)
	Consumer Price Index (Oct 92 - Sep 93 = 100)	Domestic Supply Price Index (1990 = 100)	Gross Domestic Product Deflator (1990 = 100)	Overall Economy (1988 = 100)	Manufacturing (1988 = 100)	
1985	87.2	107.0	85.8	113.4	119.6	114.5
1990	92.9	100.0	100.0	115.7	118.7	113.0
1991	96.1	95.9	103.4	123.1	126.3	118.6
1992	98.3	91.7	104.7	127.7	134.2	122.2
1993	100.5	89.2	110.3	129.5	130.0	121.0
1994	103.6	87.3	115.1	132.7	126.1	120.3
1995	105.4	87.4	117.9	136.3	127.2	124.3
Percentage Change Over Previous Year						
1985	0.5	-2.3	-1.3	1.7	6.7	-0.1
1990	3.4	1.7	4.9	7.5	8.4	6.6
1991	3.4	-4.1	3.4	6.4	6.4	5.0
1992	2.3	-4.4	1.3	3.7	6.3	3.0
1993	2.3	-2.8	5.3	1.4	-3.1	-1.0
1994	3.1	-2.1	4.4	2.5	-3.0	-0.6
1995	1.7	0.1	2.4	2.7	0.9	3.3

1.3

MANUFACTURING AND BUILDING & CONSTRUCTION

Year	Manufacturing			Building & Construction			
	Net Investment Commitments	Output ¹	Index of Industrial Production ¹ (1992=100)	Planning Approval	Building Plan Approval ²	Building Commence-ment	Building Completed
	\$M			Thousand Square Metres of Gross Floor Area			
1985	1,120.4	38,495.1	50.7	7,656.2	1,866.7	6,062.6	11,329.3
1990	2,487.4	71,333.2	92.6	6,265.8	2,493.8	7,066.0	4,718.5
1991	2,934.0	74,575.0	97.6	7,178.1	3,551.5	8,232.3	4,262.7
1992	3,481.0	77,275.9	100.0	9,558.1	2,888.4	8,827.1	6,580.5
1993	3,922.6	87,639.0	110.2	8,161.1	3,156.5	9,039.7	6,505.7
1994	5,764.6	100,622.1	124.5	9,561.7	4,100.8	9,497.0	6,211.8
1995	6,809.1	113,109.4	137.3	12,749.6	4,106.2	11,815.0	8,192.8
Percentage Change Over Previous Year							
1985	-38.7	-6.3	-7.3	-12.9	-31.4	-24.3	-23.9
1990	27.0	12.1	9.9	25.1	-6.6	9.2	16.8
1991	18.0	4.5	5.4	14.6	42.4	16.5	-9.7
1992	18.6	3.6	2.5	33.2	-18.7	7.2	54.4
1993	12.7	13.4	10.2	-14.6	9.3	2.4	-1.1
1994	47.0	14.8	13.0	17.2	29.9	5.1	-4.5
1995	18.1	12.4	10.3	33.3	0.1	24.4	31.9

1 Refer to establishments engaging 10 or more workers.

2 Refer to private sector only.

1.4

EXTERNAL TRADE AND TOURISM

Year	External Trade					Tourism	
	Total	Exports			Imports	Visitor Arrivals ¹	Hotel Rooms Available ²
		Total	Domestic Exports	Re-exports			
Million Dollars					Thousand	Number	
1985	107,996.4	50,178.9	32,575.5	17,603.3	57,817.6	3,031.0	16,172
1990	205,011.6	95,205.8	62,754.1	32,451.7	109,805.8	5,322.9	22,408
1991	216,074.4	101,879.5	66,031.1	35,848.4	114,194.9	5,414.7	22,700
1992	220,880.7	103,351.0	66,336.8	37,014.3	117,529.7	5,989.9	23,342
1993	257,076.4	119,473.4	75,394.0	44,079.4	137,603.0	6,425.8	23,959
1994	303,723.0	147,327.2	88,533.3	58,793.9	156,395.8	6,899.0	24,601
1995	343,828.2	167,514.7	98,472.7	69,042.0	176,313.5	7,137.3	25,590
Percentage Change Over Previous Year							
1985	-4.0	-2.3	-1.4	-3.7	-5.4	1.3	12.7
1990	11.4	9.3	13.6	1.8	13.4	10.2	-1.2
1991	5.4	7.0	5.2	10.5	4.0	1.7	1.3
1992	2.2	1.4	0.5	3.3	2.9	10.6	2.8
1993	16.4	15.6	13.7	19.1	17.1	7.3	2.6
1994	18.1	23.3	17.4	33.4	13.7	7.4	2.7
1995	13.2	13.7	11.2	17.4	12.7	3.5	4.0

1 Exclude arrivals of Malaysians by land.

2 Refer to gazetted hotels.

1.5 TRANSPORT AND COMMUNICATIONS

Year	Cargo Handled					International Telephone Calls ²
	Air ¹		Sea		Container Throughput	
	Discharged	Loaded	Inward	Outward		
	Thousand Tonnes		Thousand Freight Tonnes		Million TEUs	
1985	167,037	132,005	62,086.2	43,749.6	1.7	15.7
1990	324,157	299,684	106,222.5	81,566.8	5.2	73.9
1991	342,261	300,948	116,525.1	89,903.9	6.4	88.4
1992	386,793	332,212	136,468.2	101,977.7	7.6	105.2
1993	444,019	394,397	158,959.7	114,763.4	9.0	123.7
1994	529,334	480,430	164,486.0	125,588.8	10.4	146.1
1995	577,748	528,024	175,000.0	130,000.0	11.8	174.0
Percentage Change Over Previous Year						
1985	3.2	-0.4	-7.9	-1.7	na	24.4
1990	9.1	6.9	8.0	7.4	18.2	26.0
1991	5.6	0.4	9.7	10.2	23.1	19.7
1992	13.0	10.4	17.1	13.4	18.8	19.0
1993	14.8	18.7	16.5	12.5	18.4	17.5
1994	19.2	21.8	3.5	9.4	15.6	18.1
1995	9.1	9.9	6.4	3.5	13.5	19.1

1 Refer to Changi Airport only.

2 Exclude calls to Peninsular Malaysia.

1.6 GOVERNMENT FINANCE

Year		Operating Revenue ¹	Operating Expenditure ²	Development Expenditure ³	Public Debt ⁴		
					Total	Domestic	External
Million Dollars							
1985		na	na	na	32,164.4	31,568.1	596.3
1990		13,102.2	7,061.6	4,220.3	51,425.6	51,357.7	67.9
1991		14,851.6	7,805.3	3,524.7	59,041.1	59,000.3	40.8
1992		17,218.4	8,485.6	3,794.8	67,252.5	67,228.2	24.3
1993		19,527.2	9,144.0	3,410.3	69,822.0	69,810.4	11.6
1994		23,280.3	9,699.8	4,418.3	75,344.4	75,339.7	4.7
1995		24,781.6	10,883.7	4,671.3	86,507.6	86,507.6	-
Percentage Change Over Previous Year							
1985		na	na	na	14.6	15.1	-7.0
1990		13.5	15.7	43.3	11.3	11.5	-51.0
1991		13.4	10.5	-16.5	14.8	14.9	-39.9
1992		15.9	8.7	7.7	13.9	13.9	-40.4
1993		13.4	7.8	-10.1	3.8	3.8	-52.3
1994		19.2	6.1	29.6	7.9	7.9	-59.5
1995		6.4	12.2	5.7	14.8	14.8	-

- 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 and Pensions.
- 3 Exclude loans to statutory boards, industrial and commercial enterprises.
- 4 Refer to end of year.

1.7

BANKING AND FINANCE

End of Year	Money Supply (M1)	Official Foreign Reserves	CPF	Total Assets / Liabilities		
			Amount Due to Members	Commercial Banks	Merchant Banks	Asian Currency Units
	Million Dollars					
1985	8,785.0	27,070.9	26,829.5	70,618.0	28,207.0	155,374.2
1990	15,260.9	48,521.3	40,646.4	134,002.0	32,336.0	390,395.5
1991	16,430.0	55,802.8	46,049.0	136,093.4	30,022.5	357,725.0
1992	18,515.6	65,788.4	51,526.9	153,302.4	36,786.7	355,378.6
1993	22,882.2	77,866.8	52,334.3	170,250.4	42,205.3	386,103.0
1994	23,411.5	85,165.5	57,649.2	201,952.5	45,049.4	416,345.4
1995	25,349.2	97,336.6	66,035.4	224,578.7	50,253.1	478,454.6

Percentage Change Over Previous Year

1985	-0.9	18.9	18.3	7.5	9.1	21.3
1990	11.0	25.7	12.7	5.3	-5.0	16.0
1991	7.7	15.0	13.3	1.6	-7.2	-8.4
1992	12.7	17.9	11.9	12.6	22.5	-0.7
1993	23.6	18.4	1.6	11.1	14.7	8.6
1994	2.3	9.4	10.2	18.6	6.7	7.8
1995	8.3	14.3	14.5	11.2	11.6	14.9

End of Year	Commercial Banks		Finance Companies			POSBank
	Deposits of Non-Bank Customers	Advances to Non-Bank Customers ¹	Deposits from Individuals & Institutions	Loans for		Total Deposit Base
				Hire Purchase of Motor Vehicles	Housing	
	Million Dollars					

1985	28,744.5	37,403.1	5,014.0	414.3	1,386.5	9,192.6
1990	63,979.7	57,696.4	8,397.2	1,503.1	1,606.2	13,387.6
1991	72,241.1	64,009.1	8,972.1	1,674.7	1,523.9	15,645.5
1992	78,483.2	69,138.9	9,550.9	2,238.9	1,473.5	18,126.8
1993	85,400.8	78,454.3	10,567.8	3,390.0	1,826.9	20,310.0
1994	99,032.2	90,974.2	13,790.3	4,729.8	2,314.3	20,268.9
1995	108,885.5	108,974.0	15,417.8	4,651.1	2,637.3	22,334.6

Percentage Change Over Previous Year

1985	2.6	1.5	-5.0	-26.8	2.8	25.4
1990	19.9	13.6	13.7	12.4	-4.6	1.3
1991	12.9	10.9	6.8	11.4	-5.1	16.9
1992	8.6	8.0	6.5	33.7	-3.3	15.9
1993	8.8	13.5	10.6	51.4	24.0	12.0
1994	16.0	16.0	30.5	39.5	26.7	-0.2
1995	9.9	19.8	11.8	-1.7	14.0	10.2

1 Include bills financing.

1.8 RESIDENT POPULATION

Year	Mid-Year Population	Rate of Growth	Population Density	Median Age	Dependency Ratio ¹	Index of Aging ²
	Thousand	Per Cent	Per Square Kilometre	Years	Per Hundred	
1985	2,482.6	1.6	4,001	27.2	48.9	32.7
1990	2,705.1	2.2	4,273	29.8	47.7	39.4
1991	2,762.7	2.1	4,323	30.2	48.0	40.0
1992	2,818.2	2.0	4,397	30.6	48.1	40.7
1993	2,873.8	2.0	4,481	31.0	48.4	41.4
1994	2,930.2	2.0	4,535	31.4	48.7	42.2
1995	2,986.5	1.9	4,608	31.8	49.0	43.3

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.

1.9 VITAL STATISTICS

Year	Crude Birth Rate	Crude Death Rate	Proportional Mortality Ratio ¹	Infant Mortality Rate	Total Fertility Rate	Gross Reproduction Rate
	Per 1,000 Resident Population		Per Cent	Per 1,000 Live-births	Per 1,000 Resident Female Population Aged 15 - 44 years	
1985	16.6	4.9	79.9	9.3	1,614	776
1990	18.4	4.8	81.6	6.7	1,865	898
1991	17.3	4.7	82.7	5.5	1,770	858
1992	17.0	4.7	82.2	5.0	1,760	853
1993	17.0	4.6	82.7	4.7	1,778	859
1994	16.4	4.7	82.8	4.3	1,749	846
1995	15.7	4.8	83.0	4.0	1,707	819

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

1.10 EMPLOYMENT

Year	Labour Force ¹	Unemployment Rate ¹	Labour Force Participation Rate ¹			CPF Contributors in Labour Force	Union Members Among Employed
			Total	Males	Females		
	Thousand		Per Cent				
1985	1,287.8	4.1	62.2	79.9	44.9	69.1	16.3
1990	1,562.8	1.7	64.9	79.2	50.3	67.4	13.8
1991	1,554.3	1.9	64.8	79.8	50.5	67.7	14.2
1992	1,619.6	2.7	65.3	79.9	51.3	66.3	14.5
1993	1,635.7	2.7	64.5	79.1	50.6	67.7	14.8
1994	1,693.1	2.6	64.9	79.6	50.9	67.3	14.1
1995	1,748.2	2.7	64.3	78.4	50.0	67.2	13.8

¹ Refer to persons aged 15 years and over in June of the respective years.

1.11 HEALTH

Year	Life Expectancy at Birth			Doctors	Dentists	Nurses	Per Capita ¹ Government Expenditure on Health
	Total	Males	Females				
	Years			Per 10,000 Resident Population			Dollar
1985	73.9	71.5	76.4	11	2	34	195.0
1990	75.3	73.1	77.6	13	2	36	269.1
1991	75.7	73.5	78.0	14	2	37	309.5
1992	76.0	73.8	78.2	14	3	38	365.8
1993	76.1	74.0	78.3	14	3	39	372.7
1994	76.3	74.2	78.5	15	3	40	459.0
1995	76.4	74.2	78.7	15	3	41	555.8

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

1.12

EDUCATION AND LITERACY

Year	Pupils Per Teacher		Graduates of Institutions of Higher Learning ¹	Student Enrolment Ratio ²	Literacy Rate ³	Mean Years of Schooling ⁴
	Primary	Secondary				
	Number			Per Cent		
1985	27	22	8,955	94.0	85.7	5.7
1990	26	21	13,711	92.4	89.1	6.6
1991	26	20	14,552	92.3	89.7	6.8
1992	26	20	16,299	92.7	90.3	7.0
1993	24	21	18,318	92.3	90.8	7.1
1994	24	22	19,632	91.6	91.3	7.3
1995	25	22	20,603	92.3	91.8	7.7

Year	Passes At			Government Recurrent Expenditure Per Student		
	PSLE ⁵	GCE 'O' Level	GCE 'A' Level	Primary	Secondary	Tertiary
	Per Cent			Dollar		
1985	85.9	89.0	66.2	1,521	2,269	9,702
1990	88.2	88.9	76.5	2,061	2,982	9,457
1991	89.8	89.9	83.0	2,117	3,217	17,207
1992	91.2	89.0	82.7	2,164	3,382	9,711
1993	92.2	90.4	86.0	2,297	3,677	9,861
1994	92.9	89.4	88.0	2,566	3,837	11,159
1995	94.2	90.9	86.2	2,710	4,151	11,441

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 Refer to resident non-students aged 25 years and over.

⁵ From 1993, figures refer to students promoted to secondary schools.

1.13

PUBLIC HOUSING AND UTILITIES USAGE

Year	Public Housing ¹				Utilities Usage	
	Public Flats		Per Cent of Total Population ⁴ Living in		Domestic Electricity Consumption Per Resident	Domestic Water Consumption Per Resident
	Total ² Number Managed	Per Cent ³ Owner-occupied	Public Flats	Owner-occupied Public Flats	Kilowatt Hour	Cubic Metre
1985	551,767	76	84	64	588.8	57.1
1990	623,821	87	87	80	884.3	65.6
1991	626,313	88	87	82	962.0	67.9
1992	641,016	89	87	82	1,024.9	70.0
1993	655,487	89	87	81	1,087.2	71.4
1994	676,558	90	86	80	1,182.9	73.7
1995	700,060	90	86	81	1,283.5	73.0

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.

1.14

OTHER SOCIAL INDICATORS

Year	Daily Newspaper Circulation	Television Licences	Residential Telephone Lines	Public Buses	Private Cars	Crime Rate ¹
	Per 1,000 Resident Population			Per 10,000 Resident Population		
1985	288	194	234	35	806	188
1990	301	215	258	35	916	204
1991	318	216	260	34	945	193
1992	325	218	265	34	953	182
1993	340	222	270	34	1,004	170
1994	351	220	279	35	1,050	167
1995	337	219	287	36	1,102	162

1 Refer to total offences reported.

CLIMATE AIR QUALITY AND LAND USE

The Republic of Singapore is located between latitudes 1° 09'N and 1° 20'N and longitudes 103° 38'E and 104° 25'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.

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CLIMATE, AIR QUALITY AND LAND USE

The Ministry of the Environment monitors the ambient air quality through a network of 12 ambient air monitoring stations linked to a Central Control Station. The stations are located in urban, industrial and rural areas. The pollutants monitored are sulphur dioxide (12 stations), nitrogen dioxide (12 stations), carbon monoxide (4 stations), ozone (4 stations) and particulate matter (8 stations).

The overall air pollution levels in 1992 were generally low and were within the World Health Organisation (WHO) and US Environmental Protection Agency (USEPA) standards.

Based on the Pollutant Standards Index (PSI), there were 61% 'Good' days and 39% 'Moderate' days for the year.

The land area of Singapore is approximately 647.5 square kilometres. It comprises the main island and a number of islets scattered off its north-east and south-east coasts. The main island measures about 42 kilometres from east to west and 23 kilometres from north to south with a coastline of 190.5 kilometres.

Singapore can be geographically divided into three major areas - the central business district, the western residential area comprising Mount Faber Ridge and East-West Link, and the eastern coastal area consisting of Kallang, Bedok and Changi.

Of the total land area, about 49.3 per cent has been developed for residential, commercial and industrial usage and another 1.4 per cent used for agriculture. The rest consists of forest reserves, marsh and other non-built up areas.

The main features of the climate of Singapore are the relatively stable temperature throughout the year due to its close proximity to the Equator and high humidity and abundant rainfall due to the maritime exposure of the island. The average maximum and minimum temperatures are around 31°C and 24°C.

2 CLIMATE, AIR QUALITY AND LAND USE

Location

The Republic of Singapore, is located between latitudes 1° 09'N and 1° 29'N and longitudes 103° 38'E and 104° 25'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 647.5 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°C and 24°C

respectively. The relative humidity is usually between 65 and 70 per cent on dry afternoons but frequently exceeds 90 per cent in the early hours of the morning before sunrise. Although rain falls throughout the year, the wettest months are usually during the first part of the Northeast Monsoon season from November to January. During the Southwest Monsoon season, from May to September, early morning line squalls occasionally hit the island.

Air Pollution

The Ministry of the Environment monitors the ambient air quality through a telemetric network of 12 ambient air monitoring stations linked to a Central Control Station via telephone lines. 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 1995 were generally low and were within the World Health Organisation (WHO) and US Environmental Protection Agency (USEPA) standards.

Based the Pollutant Standards Index (PSI), there were 61% 'Good' days and 39% 'Moderate' days for the year.

Land Use

Of the total land area, about 49.3 per cent has been developed for residential, commercial and industrial usage and another 1.4 per cent used for agriculture. The rest consists of forest reserves, marsh and other non-built up areas.

2.1 AIR TEMPERATURE AND SUNSHINE

	1985	1990	1991	1992	1993	1994	1995
Air Temperature in Degree Celsius							
Means							
Daily Maximum	31.3	31.8	31.5	31.5	31.3	31.3	31.3
Daily Minimum	24.3	24.8	24.7	24.4	24.6	24.7	24.7
Absolute Extremes							
Maximum	35.0	35.0	34.1	34.7	34.2	34.2	34.1
Minimum	21.0	21.1	22.0	21.1	21.7	20.5	21.8
Bright Sunshine							
Daily Mean Hours	5.6	6.2	5.4	5.5	5.9	5.4	5.1

Source: Meteorological Service

2.2 MEAN RELATIVE HUMIDITY AND RAINFALL

	1985	1990	1991	1992	1993	1994	1995
Mean Relative Humidity ¹ at 2.00 pm (Per Cent)							
	71	69	71	71	72	72	74
Rainfall							
Total (mm)	1,484	1,524	1,877	2,261	2,169	1,942	2,333
Maximum in a day (mm)	87	154	130	121	68	178	199
Number of rainy days	181	142	146	163	163	160	179

Source : Meteorological Service

- 1 The ratio of the actual amount of water vapour in a given volume of air to the amount that would be present were the air saturated at the same temperature, expressed in percentages.

2.3 AIR POLLUTION LEVELS

	1992	1993	1994	1995
Sulphur Dioxide (Mean)($\mu\text{g} / \text{m}^3$)				
Industrial	22	25	29	30
Urban	18	15	17	19
Rural	11	11	12	17
Nitrogen Dioxide (Mean)($\mu\text{g} / \text{m}^3$)				
Industrial	20	15	30	30
Urban	22	15	32	31
Rural	26	15	24	18
PM 10 (Mean)($\mu\text{g} / \text{m}^3$)				
Industrial	na	40	54	36
Urban	na	38	45	29
Rural	na	38	46	32
Carbon Monoxide (No of times max 8-hour value exceeded)				
Industrial	na	na	na	-
Urban	na	na	na	-
Rural	na	na	na	-
Ozone (No of times max 1-hour value exceeded)				
Industrial	-	-	-	-
Urban	-	-	-	-
Rural	-	-	1	-

Source: Ministry of the Environment

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)

PM 10 (Particulate Matter ≤ 10 microns) = $50 \mu\text{g}/\text{m}^3$ (annual mean), $76 \mu\text{g}/\text{m}^3$ (monthly mean)

Carbon Monoxide = $10 \text{ mg}/\text{m}^3$ (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.

2.4 LAND USE

	Square Kilometres						
	1985	1990	1991	1992	1993	1994	1995
Total	620.5	633.0	639.1	641.0	641.4	646.1	647.5
Built-up Area ¹	298.8	311.6	312.4	315.7	316.5	318.9	319.3
Farm Holding Area ²	47.1	10.8	6.8	6.8	6.9	7.8	9.3
Forest	28.6	28.6	28.6	28.6	28.6	28.6	28.6
Marsh & Tidal Waste	18.5	15.7	15.7	15.7	15.7	15.7	15.7
Others ³	227.5	266.4	275.7	274.2	273.8	275.1	274.6

Source: Survey Department

1 Include new industrial sites.

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

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

DEMOGRAPHY

3 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 Mohammanan 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.

3 DEMOGRAPHY (cont'd)

Definitions

Rates on fertility and reproduction refer to residents only.

Age-specific fertility rate : 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 : 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 : 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 : 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 : 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, Singapore.

3.1 POPULATION AND VITAL RATES

Year	Population (Thousand)					Sex Ratio (Males Per 1,000 Females)	Age Dependency Ratio ² (Per 100)
	Total	Chinese	Malays	Indians ¹	Others		
Census							
1901	227.6	164.1	36.0	17.7	9.8	2,951	na
1911	303.3	219.5	41.8	27.8	14.2	2,453	na
1921	418.3	315.1	53.6	32.3	17.3	2,044	na
1931	557.7	418.6	65.0	50.8	23.3	1,713	na
1947	938.2	729.5	113.8	69.0	25.9	1,217	65.3
1957	1,445.9	1,090.6	197.0	124.1	34.2	1,117	87.4
1970	2,074.5	1,579.9	311.4	145.1	38.1	1,049	80.2
1980	2,282.1	1,787.8	328.7	143.4	22.2	1,032	54.1
1990	2,705.1	2,102.8	382.6	190.9	28.8	1,026	47.7
Mid-Year Estimates							
1985	2,482.6	1,937.1	352.6	167.3	25.6	1,028	48.9
1990	2,705.1	2,102.8	382.6	190.9	28.8	1,026	47.7
1991	2,762.7	2,146.1	391.2	195.1	30.3	1,024	48.0
1992	2,818.2	2,187.2	399.4	199.6	32.0	1,021	48.1
1993	2,873.8	2,228.6	407.6	204.1	33.5	1,018	48.4
1994	2,930.2	2,269.6	415.9	209.4	35.3	1,015	48.7
1995	2,986.5	2,311.3	423.5	214.9	36.8	1,013	49.0

Year	Rate of Population Increase ³	Rate of Natural Increase	Crude Birth Rate	Crude Death Rate	Infant Mortality Rate	Total Fertility Rate ⁴	Gross Re- production Rate ⁴
	Per Cent	Per 1,000 Population			Per 1,000 Live-births	Per 1,000 Females	
1950	2.9	33.4	45.4	12.0	82.2	na	na
1955	5.0	36.2	44.3	8.1	49.5	na	na
1960	4.7	31.3	37.5	6.2	34.9	5,813	2,803
1965	2.8	24.1	29.5	5.4	26.3	4,698	2,292
1970	1.9	17.0	22.1	5.2	20.5	3,086	1,500
1975	1.8	12.6	17.7	5.1	13.9	2,079	1,005
1980	1.3	12.7	17.6	4.9	11.7	1,818	879
1985	1.6	11.7	16.6	4.9	9.3	1,614	776
1990	2.2	13.6	18.4	4.8	6.7	1,865	898
1991	2.1	12.6	17.3	4.7	5.5	1,770	858
1992	2.0	12.3	17.0	4.7	5.0	1,760	853
1993	2.0	12.4	17.0	4.6	4.7	1,778	859
1994	2.0	11.7	16.4	4.7	4.3	1,749	846
1995	1.9	10.9	15.7	4.8	4.0	1,707	819

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

3 Prior to 1985, the rate of population increase refers to average annual growth rate.

The rate for 1950 refer to average annual rate of increase of total population during 1947-1950.

The rate for 1980 refer to average annual rate of increase of resident population during 1970-1980.

4 From 1980 onwards, the rate refers to resident females aged 15-44 years instead of total females aged 15- 49 years.

3.2

ESTIMATES OF SINGAPORE RESIDENTS BY AGE GROUP AND SEX

Thousand

Age Group (Years)	1985	1990	1991	1992	1993	1994	1995
Males							
Total	1,258.5	1,370.1	1,398.0	1,423.7	1,449.9	1,476.3	1,502.9
0 - 4	105.5	115.7	121.4	126.3	127.7	126.6	127.3
5 - 9	99.7	106.4	106.6	106.0	108.7	115.5	119.0
10 - 14	113.5	102.3	103.7	104.4	106.9	107.2	108.3
15 - 19	116.9	114.5	112.0	109.7	105.2	103.4	103.4
20 - 24	138.6	118.4	116.5	116.6	118.2	119.2	118.7
25 - 29	145.6	143.7	142.1	139.7	137.0	132.2	128.9
30 - 34	123.9	149.3	151.9	152.2	152.4	152.4	151.5
35 - 39	100.8	128.7	135.0	141.2	145.9	149.8	153.6
40 - 44	63.7	103.3	112.2	115.4	120.3	125.8	131.0
45 - 49	61.0	64.3	64.7	73.8	83.0	91.6	103.6
50 - 54	51.3	59.1	62.8	65.2	65.9	66.3	63.3
55 - 59	44.2	49.7	50.2	50.2	51.3	54.2	56.9
60 - 64	33.0	40.9	42.1	42.7	43.6	44.5	46.0
65 - 69	25.0	29.3	30.4	31.7	33.1	34.6	36.2
70 - 74	18.6	20.5	21.1	21.9	22.7	23.6	24.3
75 & Over	17.2	24.0	25.3	26.7	28.0	29.4	30.9
Females							
Total	1,224.1	1,335.0	1,364.7	1,394.5	1,423.9	1,453.9	1,483.6
0 - 4	97.8	107.7	113.1	118.4	119.4	118.4	119.1
5 - 9	92.4	98.6	98.4	98.1	101.1	107.9	111.0
10 - 14	105.9	95.6	96.9	97.2	99.2	99.3	100.7
15 - 19	111.0	106.9	105.1	103.3	99.2	97.2	97.3
20 - 24	133.1	113.9	112.4	113.5	116.3	118.1	118.2
25 - 29	139.6	140.0	140.0	139.1	137.4	134.2	132.1
30 - 34	120.7	143.7	146.2	147.4	148.6	150.1	150.3
35 - 39	99.2	124.0	130.0	135.8	140.7	145.0	148.5
40 - 44	63.2	100.7	109.2	112.2	116.3	121.0	125.9
45 - 49	60.3	63.3	63.1	71.9	81.1	89.4	101.1
50 - 54	50.6	58.4	62.7	65.6	66.1	65.9	62.9
55 - 59	43.1	50.1	50.7	50.3	51.5	54.8	57.2
60 - 64	32.3	41.9	43.2	44.0	44.7	45.9	48.4
65 - 69	27.3	30.4	31.6	33.2	35.0	37.3	39.2
70 - 74	22.1	24.5	25.0	25.5	26.3	26.8	27.1
75 & Over	25.5	35.3	37.1	39.0	41.0	42.6	44.6

3.3

SINGAPORE RESIDENT POPULATION BY AGE GROUP, ETHNIC GROUP AND SEX, END JUNE 1995

Thousand									
Ethnic Group / Sex	Total	0 - 4	5 - 9	10 - 14	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39
Total	2,986.5	246.4	230.0	209.0	200.7	236.9	261.0	301.8	302.1
Males	1,502.9	127.3	119.0	108.3	103.4	118.7	128.9	151.5	153.6
Females	1,483.6	119.1	111.0	100.7	97.3	118.2	132.1	150.3	148.5
Chinese	2,311.3	172.6	162.3	153.2	158.0	187.6	200.6	229.4	237.5
Males	1,156.1	89.4	84.3	79.6	81.4	93.8	98.9	115.0	120.4
Females	1,155.2	83.2	78.0	73.6	76.6	93.8	101.7	114.4	117.1
Malays	423.5	48.1	45.4	37.5	27.8	32.0	38.6	46.3	40.0
Males	215.3	24.8	23.2	19.3	14.4	16.4	19.5	23.7	20.6
Females	208.2	23.3	22.2	18.2	13.4	15.6	19.1	22.6	19.4
Indians	214.9	20.0	18.4	15.7	13.1	15.2	19.1	22.7	21.4
Males	114.3	10.2	9.5	8.1	6.7	7.6	9.6	11.5	11.2
Females	100.6	9.8	8.9	7.6	6.4	7.6	9.5	11.2	10.2
Others	36.8	5.7	3.9	2.6	1.8	2.1	2.7	3.4	3.2
Males	17.2	2.9	2.0	1.3	0.9	0.9	0.9	1.3	1.4
Females	19.6	2.8	1.9	1.3	0.9	1.2	1.8	2.1	1.8

Thousand									
Ethnic Group / Sex	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64	65 - 69	70 - 74	75 - 79	80 & Over
Total	256.9	204.7	126.2	114.1	94.4	75.4	51.4	35.9	39.6
Males	131.0	103.6	63.3	56.9	46.0	36.2	24.3	15.6	15.3
Females	125.9	101.1	62.9	57.2	48.4	39.2	27.1	20.3	24.3
Chinese	207.9	168.4	104.7	92.6	74.2	58.0	39.7	29.4	35.2
Males	106.2	85.4	52.5	46.1	35.6	26.0	17.1	11.6	12.8
Females	101.7	83.0	52.2	46.5	38.6	32.0	22.6	17.8	22.4
Malays	29.6	20.8	11.8	12.4	11.5	9.5	6.3	3.6	2.3
Males	14.9	10.3	5.5	6.1	5.2	4.8	3.4	2.0	1.2
Females	14.7	10.5	6.3	6.3	6.3	4.7	2.9	1.6	1.1
Indians	16.8	13.3	8.4	7.8	7.5	6.9	4.6	2.4	1.6
Males	8.6	6.8	4.6	4.1	4.6	4.9	3.4	1.8	1.1
Females	8.2	6.5	3.8	3.7	2.9	2.0	1.2	0.6	0.5
Others	2.6	2.2	1.3	1.3	1.2	1.0	0.8	0.5	0.5
Males	1.3	1.1	0.7	0.6	0.6	0.5	0.4	0.2	0.2
Females	1.3	1.1	0.6	0.7	0.6	0.5	0.4	0.3	0.3

Note : Figures refer to citizens and permanent residents.

3.4 AGE-SPECIFIC FERTILITY RATES

Per Thousand Resident Females

Age Group (Years)	1985	1990	1991	1992	1993	1994	1995
15 - 19	9.6	8.4	8.5	7.9	8.3	7.4	6.6
20 - 24	68.0	60.5	55.2	53.5	50.9	47.5	47.2
25 - 29	123.9	139.1	132.4	131.5	133.2	132.7	128.9
30 - 34	85.6	112.7	108.9	109.6	111.4	111.7	109.7
35 - 39	31.1	44.9	42.4	42.5	44.5	43.6	42.4
40 - 44	4.5	7.4	6.5	6.8	7.3	6.9	6.6

Source : Population Planning Unit, Ministry of Health

Note : The rates were computed based on resident live-births per 1,000 resident females.

Resident live-births refer to those with at least one parent who is a Singapore citizen or permanent resident.

3.5 LIVE-BIRTHS BY (a) BIRTH ORDER AND (b) PLACE OF OCCURRENCE

Number

	1985	1990	1991	1992	1993	1994	1995
Total ¹	42,484	51,142	49,114	49,402	50,225	49,554	48,611
Birth Order							
1st	18,638	20,325	19,623	20,307	20,677	20,438	20,151
2nd	15,498	18,232	17,578	17,374	17,807	17,648	17,224
3rd	5,900	9,624	8,938	8,843	8,759	8,561	8,304
4th	1,525	2,258	2,299	2,223	2,279	2,223	2,217
5th	443	481	470	441	507	496	506
6th & over	236	218	206	213	192	185	207
Place of Occurrence							
Public Sector Hospitals	30,456	24,214	23,265	23,275	23,229	22,007	21,176
Private Sector Hospitals	11,375	26,618	25,622	25,930	26,814	27,396	27,265
Nursing Homes	259	71	36	39	20	-	-
Other Locations	394	239	191	158	162	151	170

Source: Registry of Births and Deaths

1 Include birth order not stated.

3.6 MALE AND FEMALE AGE-SPECIFIC DEATH RATES

Per Thousand Residents

Age Group (Years)	1985	1990	1991	1992	1993	1994	1995
Males							
Total	5.8	5.2	5.2	5.2	5.0	5.2	5.4
Under 1 ¹	10.2	7.1	5.9	5.4	5.0	4.5	4.5
1 - 4	0.4	0.4	0.3	0.3	0.3	0.4	0.4
5 - 9	0.2	0.2	0.2	0.3	0.1	0.1	0.2
10 - 14	0.3	0.3	0.2	0.4	0.3	0.3	0.3
15 - 19	0.9	0.5	0.5	0.5	0.5	0.5	0.5
20 - 24	1.0	0.8	0.7	0.8	0.8	0.7	0.7
25 - 29	1.2	0.8	0.8	0.8	0.6	0.7	0.6
30 - 34	1.4	1.0	0.9	0.9	0.7	0.8	0.9
35 - 39	1.9	1.4	1.2	1.2	1.0	1.3	1.3
40 - 44	3.0	2.2	1.9	2.1	2.0	2.0	1.8
45 - 49	5.1	4.0	3.5	3.7	3.4	3.2	3.6
50 - 54	8.8	6.9	6.8	6.1	6.2	5.9	5.8
55 - 59	16.9	12.0	12.6	11.0	10.6	10.3	10.8
60 - 64	24.7	20.9	20.8	20.4	18.6	18.1	18.2
65 - 69	37.0	30.2	30.3	31.1	29.4	30.8	30.0
70 & Over	84.4	68.2	68.0	68.4	65.5	66.3	70.0
Females							
Total	4.6	4.3	4.2	4.2	4.3	4.2	4.3
Under 1 ¹	8.3	6.2	4.9	4.5	4.2	4.1	4.1
1 - 4	0.4	0.2	0.3	0.3	0.3	0.3	0.2
5 - 9	0.2	0.1	0.2	0.1	0.2	0.1	0.2
10 - 14	0.2	0.2	0.3	0.2	0.2	0.2	0.2
15 - 19	0.5	0.2	0.3	0.3	0.2	0.3	0.2
20 - 24	0.4	0.4	0.4	0.3	0.3	0.3	0.3
25 - 29	0.7	0.5	0.4	0.4	0.3	0.3	0.3
30 - 34	0.8	0.6	0.5	0.6	0.5	0.4	0.5
35 - 39	1.2	1.0	0.7	0.7	0.8	0.8	0.8
40 - 44	1.5	1.4	1.5	1.4	1.4	1.1	1.2
45 - 49	2.8	2.4	1.9	2.3	1.9	2.1	2.0
50 - 54	5.0	4.2	3.7	3.9	3.9	3.6	3.5
55 - 59	8.2	7.4	6.6	6.4	6.7	6.5	6.2
60 - 64	14.8	10.9	11.1	10.7	10.2	10.5	9.9
65 - 69	23.2	18.7	18.0	17.8	17.6	16.9	16.8
70 & Over	65.3	55.4	53.3	53.0	54.0	52.0	53.7

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

3.7 DEATHS BY BROAD GROUP OF CAUSES

Causes of Death	Number						
	1985	1990	1991	1992	1993	1994	1995
Total	13,348	13,891	13,876	14,337	14,461	14,946	15,569
Infective & Parasitic Diseases	375	347	321	342	398	366	361
of which : Tuberculosis	177	113	104	101	115	101	115
Neoplasms	2,939	3,314	3,405	3,497	3,560	3,785	3,903
of which: Cancer	2,893	3,269	3,361	3,456	3,531	3,756	3,880
Endocrine, Nutritional & Metabolic Diseases	492	388	359	269	309	374	324
of which : Diabetes	464	332	320	238	264	334	269
Diseases of the Blood & Blood-forming Organs	29	50	40	33	34	24	37
Diseases of the Nervous System & Sense Organs	87	143	117	127	93	71	88
Diseases of the Circulatory System	4,651	5,152	5,070	5,270	5,315	5,460	5,447
of which : Heart & Hypertensive Diseases	3,129	3,385	3,234	3,457	3,552	3,653	3,650
Cerebrovascular Disease	1,418	1,666	1,700	1,697	1,652	1,692	1,691
Diseases of the Respiratory System	2,241	2,112	2,289	2,522	2,588	2,564	2,584
of which : Pneumonia	1,287	1,191	1,285	1,420	1,596	1,670	1,989
Bronchitis	63	32	27	46	13	12	15
Diseases of the Digestive System	394	374	406	353	361	394	398
Diseases of the Genito-Urinary System	319	346	369	362	371	444	477
Congenital Anomalies	189	189	164	163	160	148	151
of which : Congenital Anomalies of Heart	84	84	82	92	94	90	83
Certain Causes of Perinatal Mortality	147	123	89	82	76	68	50
Accidents, Poisonings & Violence							
of which :	1,082	1,008	1,074	1,127	1,066	1,122	792
Motor Vehicle Accidents	292	246	258	240	274	265	204
Other Accidents	214	200	229	231	216	220	104
Suicides	327	354	319	298	296	347	329
Other Diseases & Causes ¹	403	345	173	190	130	126	957
of which : Senility	170	108	16	5	4	2	4

Source : Registry of Births and Deaths

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

¹ Figure for 1995 includes causes of death that are pending the Coroner's decision.

3.8 AGE AT FIRST MARRIAGE AND DIVORCE

Years									
	1985	1990	1991	1992	1993	1994	1995		
Mean Age at First Marriage ¹									
Grooms	27.7	28.7	28.8	29.1	29.3	29.4	29.4		
Brides	24.9	25.9	25.9	26.1	26.3	26.3	26.4		
Mean Age of Divorcees ²									
Males	36.0	36.7	37.1	37.9	37.1	38.3	39.0		
Females	32.0	33.2	33.6	34.5	34.7	34.9	35.6		

1 Marriages between spinsters and bachelors.

2 Include annulments of marriages.

3.9 AGE-SPECIFIC MARRIAGE RATES

Age Group (Years)	1985	1990	1991	1992	1993	1994	1995
Males (per thousand unmarried male residents)							
15 - 19	1.2	1.2	1.4	1.3	1.6	1.4	1.2
20 - 24	43.8	36.0	36.1	32.9	29.6	29.6	29.3
25 - 29	110.3	110.7	112.2	116.7	110.7	109.4	115.0
30 - 34	109.8	98.2	108.5	109.9	107.0	111.1	110.5
35 - 39	83.2	69.4	78.2	79.9	78.1	77.7	71.4
40 - 44	54.5	42.1	51.4	50.5	53.0	55.4	55.2
General Marriage Rate	54.4	53.6	56.6	57.7	56.0	55.2	55.5
Females (per thousand unmarried female residents)							
15 - 19	15.2	11.1	10.9	10.1	8.8	7.8	7.5
20 - 24	95.5	87.4	86.9	80.4	73.0	71.0	70.4
25 - 29	111.8	136.0	139.4	134.7	133.3	133.7	139.3
30 - 34	62.6	70.3	76.8	74.9	75.1	77.6	78.5
35 - 39	33.4	37.0	37.7	36.9	38.7	39.3	38.2
40 - 44	18.5	14.8	15.7	17.6	18.0	16.9	17.4
General Marriage Rate	64.0	62.1	63.9	61.3	59.7	58.2	58.2

3.10 GROOMS BY AGE GROUP

								Number
Age Group (Years)		1985	1990	1991	1992	1993	1994	1995
Women's Charter								
Total		18,495	19,191	19,985	21,025	20,692	20,243	20,553
Under 20		70	68	89	89	89	79	61
20 - 24		4,206	2,988	3,051	2,854	2,635	2,639	2,626
25 - 29		8,866	8,654	9,005	9,311	9,047	8,533	8,833
30 - 34		3,727	4,834	5,079	5,507	5,496	5,311	5,318
35 - 39		1,046	1,689	1,736	2,075	2,118	2,232	2,196
40 - 44		282	567	586	682	740	854	902
45 - 49		171	196	203	252	279	324	349
50 & Over		127	195	236	255	288	271	268
Muslim Law Act								
Total		4,563	4,762	4,806	4,759	4,606	4,411	4,412
Under 20		69	67	69	56	84	73	68
20 - 24		1,678	1,164	1,103	967	854	890	878
25 - 29		1,848	2,198	2,183	2,170	2,010	1,806	1,743
30 - 34		575	746	829	859	929	868	903
35 - 39		166	293	285	358	362	382	391
40 - 44		70	117	150	151	151	168	206
45 - 49		62	60	52	78	76	81	96
50 & Over		95	117	135	120	140	143	127

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

Foreign (not solemnized under religious rites)								
20 - 24		12.7	12.1	12.5	12.4	11.8	10.3	12.8
25 - 29		9.4	12.1	12.9	12.3	11.4	10.4	11.3
30 - 34		6.2	2.3	10.4	2.8	6.3	6.2	6.2
35 - 39		4.3	6.3	7.5	7.8	6.3	6.3	7.6
40 - 44		3.4	4.5	3.2	3.2	4.4	3.1	5.7
45 - 49		2.1	1.7	1.8	3.7	3.6	3.2	4.1
50 & Over		0.6	0.8	0.1	0.2	0.3	0.1	1.1
General District Rate		4.3	6.2	7.3	6.3	6.2	5.7	6.3

Note: Figures are in thousands of marriages

3.11 BRIDES BY AGE GROUP

								Number
Age Group (Years)		1985	1990	1991	1992	1993	1994	1995
Women's Charter								
Total		18,495	19,191	19,985	21,025	20,692	20,243	20,553
Under 20		1,080	765	716	749	613	519	493
20 - 24		8,623	7,160	7,440	7,583	7,363	7,257	7,254
25 - 29		6,500	7,678	8,046	8,478	8,365	8,218	8,427
30 - 34		1,597	2,462	2,564	2,821	2,829	2,709	2,811
35 - 39		487	791	818	928	997	1,018	1,018
40 - 44		123	232	261	325	337	336	351
45 - 49		54	62	77	88	121	124	134
50 & Over		31	41	63	53	67	62	65
Muslim Law Act								
Total		4,563	4,762	4,806	4,759	4,606	4,411	4,412
Under 20		684	558	563	492	455	402	420
20 - 24		2,424	2,109	2,066	2,006	1,843	1,815	1,805
25 - 29		927	1,307	1,316	1,330	1,356	1,175	1,164
30 - 34		292	407	481	489	497	547	492
35 - 39		115	226	191	223	241	251	289
40 - 44		57	92	109	121	111	118	134
45 - 49		30	23	40	53	65	58	67
50 & Over		34	40	40	45	38	45	41

Source : Registry of Marriages
Registry of Muslim Marriages

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

3.12 MARRIAGES REGISTERED BY ETHNIC GROUP OF COUPLE

Ethnic Group	1985	1990	1991	1992	1993	1994	1995
Women's Charter							
Total	18,903	19,191	19,985	21,025	20,692	20,243	20,553
Chinese	16,747	16,899	17,740	18,710	18,290	17,681	17,972
Indians	1,281	1,140	1,128	1,069	1,095	1,044	1,020
Others	83	106	116	124	109	144	170
Inter-ethnic	792	1,046	1,001	1,122	1,198	1,374	1,391
Muslim Law Act							
Total	4,563	4,762	4,806	4,759	4,606	4,411	4,412
Malays	3,576	3,718	3,724	3,658	3,487	3,381	3,270
Indians	237	241	235	242	266	222	256
Others	24	18	25	24	20	13	27
Inter-ethnic	726	785	822	835	833	795	859

Source : Registry of Marriages
Registry of Muslim Marriages
Note: See note to Table 3.11.

3.13 AGE-SPECIFIC DIVORCE RATES

Age Group (Years)	1985	1990	1991	1992	1993	1994	1995
Males (per thousand unmarried resident males)							
20 - 24	13.3	13.9	24.4	17.2	12.8	17.1	15.3
25 - 29	9.5	13.7	16.6	13.7	14.3	12.1	12.3
30 - 34	7.8	10.8	11.7	9.9	10.2	9.4	9.9
35 - 39	5.6	7.6	9.1	7.9	8.0	7.2	8.5
40 - 44	3.9	5.7	6.9	6.5	6.2	5.7	6.6
45 - 49	2.7	4.1	4.7	4.6	4.6	4.7	5.6
50 & Over	1.1	1.6	1.9	2.0	1.9	1.7	2.0
General Divorce Rate	4.5	6.2	7.1	6.2	6.1	5.6	6.2
Females (per thousand unmarried resident females)							
20 - 24	12.7	14.4	19.6	16.6	17.8	16.3	15.8
25 - 29	9.4	13.1	14.9	12.5	11.8	10.6	11.5
30 - 34	6.0	8.5	10.4	8.8	9.3	8.0	8.8
35 - 39	4.2	6.2	7.5	7.0	6.8	6.3	7.6
40 - 44	2.6	4.5	5.3	5.2	4.9	5.1	5.7
45 - 49	2.1	2.7	3.9	3.7	3.6	3.2	4.1
50 & Over	0.6	0.8	1.1	1.2	1.2	1.1	1.4
General Divorce Rate	4.6	6.2	7.3	6.3	6.2	5.7	6.3

Note: Figures include annulments of marriages.

3.14 MALE DIVORCEES BY AGE GROUP

							Number
Age Group (Years)	1985	1990	1991	1992	1993	1994	1995
Women's Charter							
Total ¹	1,606	2,662	3,398	2,942	2,742	2,690	3,315
Under 20	-	1	-	-	-	-	-
20 - 24	22	35	69	40	20	28	33
25 - 29	243	443	557	423	368	317	367
30 - 34	453	746	886	696	656	621	703
35 - 39	350	606	779	688	639	615	774
40 - 44	161	393	545	520	486	476	573
45 - 49	92	181	222	221	264	310	410
50 & Over	89	191	260	279	263	265	326
Muslim Law Act							
Total	738	972	1,021	1,002	1,224	1,082	983
Under 20	1	2	5	3	4	6	2
20 - 24	73	59	52	47	42	51	32
25 - 29	192	233	201	190	224	192	134
30 - 34	166	269	268	254	308	305	250
35 - 39	109	155	214	189	281	223	213
40 - 44	54	109	130	119	162	133	149
45 - 49	52	49	46	77	77	69	92
50 & Over	91	96	105	123	126	103	111

Source : Supreme Court
Syariah Court

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

1 Includes age not stated.

3.15 FEMALE DIVORCEES BY AGE GROUP

Age Group (Years)								Number
	1985	1990	1991	1992	1993	1994	1995	
Women's Charter								
Total ¹	1,606	2,662	3,398	2,942	2,742	2,690	3,315	
Under 20	-	3	3	1	-	3	-	
20 - 24	114	180	249	195	145	152	182	
25 - 29	468	761	904	708	612	569	677	
30 - 34	400	736	913	736	743	648	755	
35 - 39	241	455	620	579	552	565	703	
40 - 44	95	288	361	362	349	389	446	
45 - 49	66	104	156	163	170	189	248	
50 & Over	28	68	111	124	125	117	174	
Muslim Law Act								
Total	738	972	1,021	1,002	1,224	1,082	983	
Under 20	27	18	26	18	17	25	13	
20 - 24	181	162	136	120	153	151	107	
25 - 29	192	301	276	253	282	238	178	
30 - 34	131	178	221	225	299	272	245	
35 - 39	95	155	168	181	218	176	190	
40 - 44	40	79	101	99	123	109	118	
45 - 49	37	36	47	50	72	51	75	
50 & Over	35	43	46	56	60	60	57	

Source : Supreme Court
Syariah Court
Note : Figures for divorces under Women's Charter include annulments of marriages.
1 Includes age not stated.

3.16 DIVORCES BY ETHNIC GROUP OF COUPLE

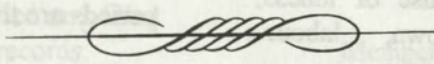
								Number
Ethnic Group	1985	1990	1991	1992	1993	1994	1995	
Women's Charter								
Total	1,606	2,662	3,398	2,942	2,742	2,690	3,315	
Chinese	1,382	2,339	3,033	2,552	2,412	2,322	2,849	
Indians	127	192	200	227	176	209	258	
Others	11	22	14	17	33	22	21	
Inter-ethnic	86	109	151	146	121	137	187	
Muslim Law Act								
Total	738	972	1,021	1,002	1,224	1,082	983	
Malays	579	762	801	790	996	912	803	
Indians	30	53	40	38	42	31	39	
Others	8	9	6	6	6	1	5	
Inter-ethnic	121	148	174	168	180	138	136	

Source : Supreme Court
Syariah Court

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

Productivity: Ratio to the output per worker of a given industry or sector to the output per worker of another industry or sector. The ratio is calculated on the basis of the output per worker of the base industry or sector, which is taken as 100. The output per worker of the other industry or sector is expressed as a percentage of the output per worker of the base industry or sector. The ratio is calculated on the basis of the output per worker of the base industry or sector, which is taken as 100. The output per worker of the other industry or sector is expressed as a percentage of the output per worker of the base industry or sector.

LABOUR AND PRODUCTIVITY



Definition

Monthly Earnings: Ratio to all monthly earnings of a given industry or sector to the monthly earnings of another industry or sector. The ratio is calculated on the basis of the monthly earnings of the base industry or sector, which is taken as 100. The monthly earnings of the other industry or sector is expressed as a percentage of the monthly earnings of the base industry or sector.

Employment: Ratio to the number of persons employed in a given industry or sector to the number of persons employed in another industry or sector. The ratio is calculated on the basis of the number of persons employed in the base industry or sector, which is taken as 100. The number of persons employed in the other industry or sector is expressed as a percentage of the number of persons employed in the base industry or sector.

1955-56	1956-57	1957-58	1958-59
100	100	100	100
105	105	105	105
110	110	110	110
115	115	115	115
120	120	120	120
125	125	125	125
130	130	130	130
135	135	135	135
140	140	140	140
145	145	145	145
150	150	150	150
155	155	155	155
160	160	160	160
165	165	165	165
170	170	170	170
175	175	175	175
180	180	180	180
185	185	185	185
190	190	190	190
195	195	195	195
200	200	200	200

Productivity: Ratio to the output per worker of a given industry or sector to the output per worker of another industry or sector. The ratio is calculated on the basis of the output per worker of the base industry or sector, which is taken as 100. The output per worker of the other industry or sector is expressed as a percentage of the output per worker of the base industry or sector.

Monthly Earnings: Ratio to all monthly earnings of a given industry or sector to the monthly earnings of another industry or sector. The ratio is calculated on the basis of the monthly earnings of the base industry or sector, which is taken as 100. The monthly earnings of the other industry or sector is expressed as a percentage of the monthly earnings of the base industry or sector.

Employment: Ratio to the number of persons employed in a given industry or sector to the number of persons employed in another industry or sector. The ratio is calculated on the basis of the number of persons employed in the base industry or sector, which is taken as 100. The number of persons employed in the other industry or sector is expressed as a percentage of the number of persons employed in the base industry or sector.

Definition

Monthly Earnings: Ratio to all monthly earnings of a given industry or sector to the monthly earnings of another industry or sector. The ratio is calculated on the basis of the monthly earnings of the base industry or sector, which is taken as 100. The monthly earnings of the other industry or sector is expressed as a percentage of the monthly earnings of the base industry or sector.

Employment: Ratio to the number of persons employed in a given industry or sector to the number of persons employed in another industry or sector. The ratio is calculated on the basis of the number of persons employed in the base industry or sector, which is taken as 100. The number of persons employed in the other industry or sector is expressed as a percentage of the number of persons employed in the base industry or sector.

4 LABOUR AND PRODUCTIVITY

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

Unemployed Persons : Refer 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 : Refer to those who were either employed or unemployed during the reference week.

Economically Inactive Persons : Refer 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 : Refers to the percentage of economically active population to the total population in the specific age-sex groups.

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

Productivity : Refers to the output per worker in terms of value added at 1990 prices.

Monthly Earnings and Hours Worked

Statistics on average monthly earnings of workers are compiled based on the payroll of CPF contributors. 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 employees. From 1988, only private sector establishments with at least 25 employees are included. The data for the two periods are thus not strictly comparable.

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.

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.

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.

4 LABOUR AND PRODUCTIVITY (cont'd)

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 (as percentage of wages) are as follows :

Age	Employer	Employee	Total
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. Funds in the Medisave Account can be used for hospitalisation expenses and medical insurance, while those 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.

Singapore Productivity and Standards Board

The Singapore Productivity and Standards Board (PSB) was set up in April 1996. It integrates the functions of the National Productivity Board and the Singapore Institute of Standards and Industrial Research and takes over from the Economic Development Board, the responsibility of developing the small and medium enterprises (SMEs) in Singapore. Its mission is to raise productivity so as to enhance Singapore's competitiveness and economic growth.

PSB has six major thrusts namely :-

Productivity Promotion : PSB aims to instil a mindset for quality in the workforce. It will facilitate the involvement of the workforce in the productivity movement and foster an environment for productivity improvement.

4 LABOUR AND PRODUCTIVITY (cont'd)

Manpower Promotion : A highly skilled workforce is required to match the growing sophistication of industry and to drive industry development and restructuring. Through continual skills upgrading and retraining, PSB will ensure that there will be an adequate supply of skilled workers to meet the ever changing needs of industries.

Technology Application : Productivity improvement can be realised only if structural change, investments and training are in place to diffuse and efficiently exploit new technologies. PSB will offer an extensive range of services and incentives to help companies exploit technology for the development of new products or new processes.

Industry Development : PSB plays a lead role in facilitating the transformation of businesses and the formation of economic groupings. It will help SMEs to raise their productivity and growth by taking a holistic approach to local enterprise development.

Standards and Quality Development : As an export-oriented economy, Singapore has to ensure that its exports meet international standards. PSB plays a dual role in promoting the widespread use of standards among companies in Singapore as well as encouraging industry participation in the development of international standards and technical requirements of products and services.

Incentives Management : PSB administers various incentive schemes to help enterprises and individuals develop and improve their capabilities, productivity and competitiveness. They include the Local Enterprise Finance Scheme, the Local Enterprise Technical Assistance Scheme and the Skills Development Fund Scheme.

Trade Unions

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

Trade Disputes

Data on trade disputes relate only 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.

Other References

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

Detailed statistics on the labour force are published in the "Report on the Labour Force Survey of Singapore".

4.1

LABOUR FORCE

	1985	1990	1991	1992	1993	1994	1995
Labour Force ('000)	1,287.8	1,562.8	1,554.3	1,619.6	1,635.7	1,693.1	1,748.2
Males	819.4	934.3	936.4	970.8	977.5	1,012.0	1,072.5
Females	468.4	628.5	617.9	648.8	658.2	681.0	675.8
Employed ('000)	1,234.6	1,537.0	1,524.3	1,576.1	1,592.0	1,649.3	1,700.9
Males	785.4	916.7	917.8	944.3	952.3	987.1	1,043.8
Females	449.2	620.3	606.5	631.8	639.7	662.2	657.1
Unemployed ('000)	53.2	25.8	30.0	43.4	43.7	43.8	47.4
Males	34.1	17.6	18.7	26.4	25.2	24.9	28.7
Females	19.1	8.2	11.3	17.0	18.5	18.9	18.7
Labour Force Participation Rate (%)	62.2	64.9	64.8	65.3	64.5	64.9	64.3
Males	79.9	79.2	79.8	79.9	79.1	79.6	78.4
Females	44.9	50.3	50.5	51.3	50.6	50.9	50.0
Unemployment Rate (%)	4.1	1.7	1.9	2.7	2.7	2.6	2.7

Source : Ministry of Labour (Other than 1990 & 1995)

Note : Refers to persons aged 15 years and over as at June of the respective years.

4.2

AGE-SPECIFIC LABOUR FORCE PARTICIPATION RATES

							Per Cent
Age Group (Years)	1985	1990	1991	1992	1993	1994	1995
Total	62.2	64.9	64.8	65.3	64.5	64.9	64.3
15 - 19	33.1	30.9	30.4	29.3	25.3	23.3	19.9
20 - 24	83.9	82.5	82.9	81.2	80.2	79.0	76.7
25 - 29	81.8	86.4	86.0	87.0	86.5	87.5	86.6
30 - 34	73.1	80.5	79.8	81.5	80.5	80.6	80.3
35 - 39	71.3	77.4	77.5	77.3	77.5	78.2	77.9
40 - 44	67.7	75.7	75.9	76.0	76.3	76.5	76.6
45 - 49	67.0	70.7	70.3	71.6	73.0	73.6	74.3
50 - 54	57.2	62.2	63.2	62.6	63.1	64.0	65.1
55 - 59	43.5	45.6	46.3	47.3	47.0	49.5	49.7
60 - 64	32.5	31.4	29.7	30.5	30.6	30.6	28.9
65 - 69	22.0	22.2	17.3	20.5	19.0	20.5	17.9
70 - 74	14.6	13.8	10.2	11.8	11.9	12.6	10.1
75 & Over	6.6	6.5	4.9	4.7	4.5	5.3	3.5

Source : Ministry of Labour (Other than 1990 and 1995)

Note : See note to Table 4.1.

4.3 AGE-SPECIFIC MALE LABOUR FORCE PARTICIPATION RATES

Age Group (Years)	Per Cent						
	1985	1990	1991	1992	1993	1994	1995
Total	79.9	79.2	79.8	79.9	79.1	79.6	78.4
15 - 19	32.6	30.0	31.1	30.0	25.1	23.6	20.5
20 - 24	88.8	82.8	83.1	82.3	81.0	79.0	76.2
25 - 29	97.3	94.8	97.0	97.0	96.0	96.2	94.6
30 - 34	98.3	95.4	98.7	98.6	98.4	98.2	97.0
35 - 39	98.7	96.4	99.1	98.5	98.4	98.7	97.6
40 - 44	98.4	96.7	98.4	98.2	98.1	98.8	97.5
45 - 49	96.8	94.7	96.5	96.1	96.6	97.1	96.2
50 - 54	88.5	88.2	92.5	89.4	90.0	91.1	90.6
55 - 59	69.5	69.0	71.0	71.3	71.9	74.5	73.5
60 - 64	52.3	49.5	46.9	49.2	50.9	48.9	46.3
65 - 69	36.7	35.2	29.3	33.8	33.1	34.4	29.8
70 - 74	23.6	22.9	17.4	20.1	20.6	21.7	16.6
75 & Over	13.1	11.8	9.6	9.6	8.2	11.1	6.2

Source : Ministry of Labour (Other than 1990 & 1995)

Note : See note to Table 4.1.

4.4 AGE-SPECIFIC FEMALE LABOUR FORCE PARTICIPATION RATES

Age Group (Years)	Per Cent						
	1985	1990	1991	1992	1993	1994	1995
Total	44.9	50.3	50.5	51.3	50.6	50.9	50.0
15 - 19	33.8	31.8	29.8	28.6	25.6	23.0	19.1
20 - 24	78.9	82.2	82.6	80.2	79.4	79.0	77.2
25 - 29	66.5	77.9	75.6	77.8	77.6	79.4	78.9
30 - 34	48.8	65.4	61.9	64.7	64.3	64.5	63.8
35 - 39	44.7	57.9	56.0	56.9	57.7	58.3	57.6
40 - 44	39.6	54.2	54.2	54.5	54.6	54.4	53.6
45 - 49	36.3	45.9	46.2	47.6	49.3	49.7	50.9
50 - 54	25.9	35.6	34.1	36.6	36.8	38.1	37.1
55 - 59	18.4	22.4	21.2	22.7	23.9	26.1	25.1
60 - 64	11.9	13.8	12.3	12.6	10.9	12.8	11.6
65 - 69	9.3	9.8	6.3	7.4	6.4	8.1	6.8
70 - 74	5.9	6.3	4.2	5.3	3.4	4.8	4.1
75 & Over	2.3	2.9	1.9	1.3	1.9	1.4	1.8

Source : Ministry of Labour (Other than 1990 & 1995)

Note: See note to Table 4.1.

4.5

EMPLOYED PERSONS AGED 15 YEARS AND OVER BY OCCUPATIONAL STATUS

Occupational Status	Thousand						
	1985	1990	1991	1992	1993	1994	1995
Total	1,234.6	1,537.0	1,524.3	1,576.2	1,592.0	1,649.3	1,700.9
Employers	64.4	46.0	79.9	92.3	94.2	95.5	95.8
Own Account Workers	103.5	103.9	107.2	106.2	107.5	111.8	89.2
Employees	1,042.4	1,371.1	1,320.8	1,362.8	1,376.1	1,424.0	1,495.1
Unpaid Family Workers	24.3	16.1	16.4	14.9	14.3	18.0	20.8

Source : Ministry of Labour (Other than 1990 & 1995)

Note : See note to Table 4.1.

4.6

EMPLOYED PERSONS AGED 15 YEARS AND OVER BY OCCUPATION

Occupation	Thousand						
	1985	1990	1991	1992	1993	1994	1995
Total	1,234.6	1,537.0	1,524.3	1,576.2	1,592.0	1,649.3	1,700.9
Legislators, Senior Officials and Managers	94.3	132.1	137.4	157.6	167.0	178.8	216.9
Professionals	56.1	64.1	77.3	91.6	97.0	106.4	128.0
Technicians and Associate Professionals	122.0	176.5	185.7	216.5	224.4	250.0	265.6
Clerical Workers	178.0	201.9	225.5	225.2	233.4	243.3	218.1
Service Workers, Shop and Market Sales Workers	190.0	212.4	215.7	214.5	215.6	221.1	208.7
Agricultural and Fishery Workers	13.4	4.2	2.8	3.1	2.3	2.9	1.8
Production Craftsmen, Plant and Machine Operators, Cleaners and Labourers	522.5	684.4	616.4	602.3	589.9	583.1	592.1
Others	58.4	61.4	63.6	65.4	62.4	63.7	69.8

Source : Ministry of Labour (Other than 1990 & 1995)

Notes : Data are classified according to the Singapore Standard Occupational Classification, 1990.

See note to Table 4.1.

4.7 EMPLOYED PERSONS AGED 15 YEARS AND OVER BY INDUSTRY

Industry	Thousand						
	1985	1990	1991	1992	1993	1994	1995
Total	1,234.6	1,537.0	1,524.3	1,576.2	1,592.0	1,649.3	1,700.9
Agriculture, Fishing & Quarrying	11.3	5.9	4.7	5.5	4.2	5.2	4.6
Manufacturing	314.2	447.4	429.6	434.1	429.5	422.5	408.0
Utilities	8.2	6.7	7.1	8.0	7.5	8.5	5.8
Construction	110.0	122.1	99.0	103.2	102.1	108.8	112.7
Commerce	290.0	337.5	345.3	356.0	363.6	376.9	343.7
Transport & Communications	125.1	146.6	152.9	158.4	166.8	174.7	183.3
Financial & Business Services	107.7	167.2	163.3	171.4	173.4	198.6	253.5
Other Services	265.6	303.5	322.0	339.2	344.1	353.6	378.4
Activities Not Adequately Defined	2.6	-	0.3	0.2	0.8	0.5	10.9

Source : Ministry of Labour (Other than 1990 & 1995)

Note : Data are classified according to the Singapore Standard Industrial Classification, 1990.

See note to table 4.1.

4.8 EMPLOYED PERSONS AGED 15 YEARS AND OVER BY OCCUPATIONAL STATUS AND GROSS MONTHLY INCOME, 1995

Income (\$)	Thousand						
	Total ¹			Employees		Self-employed	
	Persons	Males	Females	Males	Females	Males	Females
Total	1,700.9	1,043.8	657.1	882.1	613.0	153.0	32.0
Below 500	178.8	58.7	120.1	55.5	113.6	1.9	2.8
500 - 999	321.6	163.7	158.0	140.9	145.8	19.9	7.3
1,000 - 1,499	367.4	235.2	132.1	198.6	123.0	34.4	6.7
1,500 - 1,999	247.5	160.3	87.2	136.8	83.1	22.4	3.4
2,000 - 2,999	248.0	163.3	84.7	130.1	79.1	32.5	5.3
3,000 - 3,999	120.4	83.8	36.6	66.5	33.7	17.0	2.8
4,000 - 4,999	58.6	43.2	15.4	36.6	14.4	6.5	1.0
5,000 and Over	158.6	135.6	23.0	117.1	20.3	18.4	2.7

¹ Includes unpaid family workers.

4.9

EMPLOYED PERSONS AGED 15 YEARS AND OVER BY INDUSTRY AND OCCUPATION, 1995

Thousand

Occupation	Total	Agriculture, Fishing & Quarrying	Manufacturing	Utilities	Construction
Total	1,700.9	4.6	408.0	5.8	112.7
Legislators, Administrators & Managers	216.9	0.9	48.5	0.1	18.6
Professionals	128.0	0.1	26.7	0.5	5.7
Technicians & Associate Professionals	265.6	0.3	62.8	1.9	9.1
Clerical Workers	218.1	0.2	39.7	1.1	6.8
Service Workers, Shop & Market Sales Workers	208.7	0.1	6.7	0.2	0.6
Agricultural & Fishery Workers	1.8	1.2	-	-	-
Production Craftsmen, Plant & Machine Operators, Cleaners & Labourers	592.1	1.8	223.5	2.1	72.0
Workers Not Classifiable by Occupation	69.8	-	-	-	-

Occupation	Commerce	Transport & Communi- cations	Financial & Business Services	Other Services	Activities Not Adequately Defined
Total	343.7	183.3	253.5	378.4	10.9
Legislators, Administrators & Managers	76.0	17.1	42.1	13.6	-
Professionals	6.3	6.4	41.9	40.5	-
Technicians & Associate Professionals	28.3	30.6	69.4	63.1	-
Clerical Workers	45.2	35.7	58.2	31.1	-
Service Workers, Shop & Market Sales Workers	145.5	12.8	10.0	32.9	-
Agricultural & Fishery Workers	0.1	-	-	0.4	-
Production Craftsmen, Plant & Machine Operators, Cleaners & Labourers	42.1	80.6	31.7	138.2	-
Workers Not Classifiable by Occupation	-	-	0.1	58.8	10.9

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

4.10

GOVERNMENT EMPLOYEES BY DIVISIONAL STATUS

Divisional Status	Number						
	1985	1990	1991	1992	1993	1994	1995
Total	69,630	63,392	62,062	59,751	59,689	59,537	60,023
Division I	10,158	12,348	12,534	13,117	13,751	15,998	16,952
Division II	22,915	21,095	20,646	20,058	19,876	18,416	18,249
Division III	22,369	20,150	20,369	18,918	18,688	18,041	17,941
Division IV	14,188	9,799	8,513	7,658	7,374	7,082	6,881

Source : Public Service Commission

Public Service Division, Prime Minister's Office (wef 1995)

Note : Figures exclude daily-rated employees.

4.11

CENTRAL PROVIDENT FUND MEMBERS BY AGE GROUP

(End of Period)

Age Group (Years)	Thousand						
	1985	1990	1991	1992	1993	1994	1995
Total	1,891.7	2,195.2	2,255.7	2,322.8	2,456.4	2,521.8	2,683.5
Up to 20	118.9	112.6	112.6	108.2	108.5	105.7	105.1
20 - 25	355.0	252.5	239.9	234.0	237.8	235.7	238.0
25 - 30	383.3	385.9	375.8	361.0	345.9	327.0	315.7
30 - 35	327.0	391.0	398.2	404.3	410.3	413.3	413.5
35 - 40	242.2	332.2	350.7	365.4	377.3	389.2	404.2
40 - 45	130.2	248.2	266.4	284.3	304.7	322.6	343.5
45 - 50	118.4	133.7	147.9	174.3	198.8	226.0	263.3
50 - 55	84.0	116.2	125.2	130.9	141.2	142.0	144.7
Over 55	105.5	192.1	208.4	229.9	301.5	330.0	425.5
Not specified	27.2	30.8	30.5	30.5	30.4	30.3	30.0

Source : Central Provident Fund Board

Note : Data include self-employed who had made CPF contributions.

4.12 CENTRAL PROVIDENT FUND CONTRIBUTORS BY AGE GROUP (End of Period)

Age Group (Years)	Thousand						
	1985	1990	1991	1992	1993	1994	1995
Total	889.6	1,021.7	1,052.4	1,074.0	1,107.1	1,138.9	1,174.8
Up to 20	47.6	42.8	42.2	39.6	40.0	37.3	35.9
20 - 25	181.0	143.0	137.8	135.7	136.5	137.1	136.1
25 - 30	198.1	206.9	207.0	205.4	204.0	201.6	202.0
30 - 35	149.8	190.4	194.3	196.8	199.7	203.5	207.1
35 - 40	113.2	151.6	161.1	168.3	175.5	181.8	187.9
40 - 45	59.4	117.9	125.6	130.7	137.5	144.4	152.4
45 - 50	54.3	60.6	68.0	79.0	89.0	101.3	115.6
50 - 55	38.8	51.7	55.2	55.3	56.9	57.6	57.2
55 - 60	23.4	30.1	31.9	32.8	35.7	39.4	42.5
Over 60	20.5	26.2	28.6	29.9	31.8	34.4	37.8
Not specified	3.5	0.7	0.5	0.5	0.5	0.5	0.3

Source : Central Provident Fund Board

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

4.13 CENTRAL PROVIDENT FUND CONTRIBUTORS BY WAGE LEVEL (End of Period)

Monthly Wage Level (\$)	Thousand						
	1985	1990	1991	1992	1993	1994	1995
Total	889.6	1,021.7	1,052.4	1,074.0	1,107.1	1,138.9	1,174.8
Up to 200	24.6	19.4	18.4	16.6	16.5	15.7	14.5
200 - 399	114.0	65.7	58.8	47.6	45.0	40.5	37.0
400 - 599	182.4	90.8	71.3	63.6	57.9	50.8	47.9
600 - 799	150.7	149.6	126.3	106.4	89.4	71.6	62.5
800 - 999	101.2	139.9	139.7	133.5	121.3	105.4	89.7
1,000 - 1,499	144.9	229.7	251.2	263.2	270.5	268.8	260.9
1,500 - 1,999	65.2	125.2	144.6	165.3	184.0	199.0	214.1
2,000 - 2,499	36.2	68.1	79.7	90.5	104.6	124.1	140.4
2,500 - 2,999	20.7	40.0	45.9	53.1	60.8	73.2	85.3
3,000 - 3,499	14.9	25.5	30.4	35.8	41.2	49.4	57.7
3,500 - 3,999	7.8	15.8	20.8	24.8	28.4	34.0	38.4
4,000 - 4,499	5.8	11.7	14.2	15.3	17.9	22.6	27.9
4,500 - 4,999	3.9	7.2	9.8	11.1	11.8	14.2	16.4
5,000 - 5,499	3.7	6.9	8.7	9.8	12.8	14.5	16.5
5,500 & Over	9.8	23.9	29.7	33.3	39.7	49.6	58.8
Not specified	3.7	2.1	2.8	4.1	5.1	5.2	6.8

Source : Central Provident Fund Board

Note : See note to Table 4.12.

4.14

CENTRAL PROVIDENT FUND CONTRIBUTORS BY INDUSTRY (End of Period)

Industry								Thousand
	1985	1990	1991	1992	1993	1994	1995	
Total	889.6	1,021.7	1,052.4	1,074.0	1,107.1	1,138.9	1,174.8	
Agriculture & Fishing	2.4	2.0	1.9	2.4	2.7	2.6	2.5	
Quarrying	0.7	0.4	0.4	0.4	0.4	0.4	0.4	
Manufacturing	251.4	298.4	297.9	298.0	294.4	296.9	294.5	
Utilities	7.8	6.8	6.8	6.7	6.6	6.6	6.7	
Construction	54.2	40.1	42.0	48.5	53.9	58.6	66.3	
Commerce	194.1	241.8	254.6	262.3	274.5	280.0	289.0	
Transport & Communications	90.3	107.4	110.0	106.6	109.3	111.3	113.9	
Financial & Business Services	108.9	138.5	145.9	162.8	174.1	186.8	200.4	
Other Services	179.8	186.4	192.6	186.2	191.1	195.5	201.0	
Activities Not Adequately Defined	-	0.1	0.2	0.1	0.1	0.2	0.1	

Source : Central Provident Fund

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

4.15

EMPLOYMENT SERVICE

								Number
	1985	1990	1991	1992	1993	1994	1995	
Number on 'Live' Register ¹	9,897	1,187	1,037	891	975	1,004	1,345	
New Registrants	18,155	3,462	2,669	2,332	2,373	2,378	2,660	
Males	11,104	2,396	1,773	1,540	1,569	1,549	1,550	
Females	7,051	1,066	896	792	804	829	1,110	
Vacancies Filled	3,424	982	933	797	764	745	530	
Males	2,072	643	557	560	483	471	324	
Females	1,352	339	376	237	281	274	206	

Source : Ministry of Labour

¹ At end of period. Figures exclude those who already have jobs as confirmed by the Central Provident Fund Board's employment records.

4.16

CHANGES IN PRODUCTIVITY BY INDUSTRY

Industry									Per Cent
	1985	1990	1991	1992	1993	1994	1995		
Total	3.1	4.1	2.1	2.9	7.0	5.3	3.6		
Total excluding Construction	2.5	4.3	2.3	2.3	8.3	5.6	4.6		
Manufacturing	-1.5	4.6	3.6	2.9	11.8	11.2	6.8		
Construction	5.9	1.2	4.0	13.9	-5.3	4.6	-3.9		
Commerce	0.5	6.3	3.7	0.6	5.5	5.6	6.2		
Transport & Communications	5.2	5.0	4.0	2.0	5.9	8.6	6.1		
Financial & Business Services	12.0	2.6	1.7	2.0	7.8	0.5	-0.5		

Source : Department of Statistics and Ministry of Labour

4.17

AVERAGE MONTHLY EARNINGS BY INDUSTRY

Industry								Dollars
	1985	1990	1991	1992	1993	1994	1995	
Total	1,131	1,528	1,669	1,804	1,918	2,086	2,219	
Manufacturing	964	1,395	1,552	1,686	1,818	1,995	2,157	
Construction	939	1,275	1,426	1,624	1,713	1,865	1,941	
Commerce	935	1,305	1,419	1,535	1,631	1,763	1,889	
Transport, Storage & Communications	1,213	1,610	1,677	1,888	1,973	2,133	2,261	
Financial & Business Services	1,491	1,996	2,158	2,246	2,374	2,533	2,691	
Other Services	1,375	1,678	1,844	1,978	2,084	2,286	2,369	

Source : Ministry of Labour

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.

4.18

AVERAGE WEEKLY HOURS WORKED BY INDUSTRY

									Hour
Industry			1985	1990	1991	1992	1993	1994	1995
Total			44.6	46.5	46.7	46.6	46.9	47.0	47.1
Agriculture & Fishing			44.1	45.8	46.5	45.2	44.4	44.8	45.4
Quarrying			46.5	57.0	53.0	54.7	47.8	46.5	46.1
Manufacturing			46.5	48.5	48.7	48.7	49.2	49.3	49.3
Construction			51.0	49.7	50.0	50.5	50.6	51.0	51.4
Commerce			43.3	42.3	42.7	42.6	42.8	42.9	43.1
Transport & Communications			45.1	47.5	47.6	46.8	46.8	46.7	47.3
Financial & Business Services			43.3	44.7	44.0	44.1	44.2	43.9	43.8
Other Services			39.2	41.4	41.5	42.0	41.7	41.7	42.0

Source : Ministry of Labour

Note : The data for 1990-1995 refer to private sector establishments with at least 25 employees, while those for 1985 refer to private and public sector establishments with at least 10 employees. They are thus not strictly comparable.

Data refer to September of the respective years except 1985. For 1985, data refer to August.

4.19

PARTICIPANTS IN TRAINING COURSES CONDUCTED BY SINGAPORE PRODUCTIVITY AND STANDARDS BOARD

Industry	Number					
	1990	1991	1992	1993	1994	1995
Total	21,823	18,991	26,545	32,273	29,037	22,142
Executive Development Programmes	4,270	4,502	3,833	5,338	3,406	3,973
Productivity Improvement Programmes	7,226	4,525	4,728	5,085	1,984	2,822
Quality Control Circles (QCC) ¹	3,988	4,286	4,230	6,640	2,924	3,582
Total Quality Programmes (TQP) ²	-	1,198	3,453	2,934	5,124	5,562
Productivity-Related Management Seminars/Conference/Talks	4,299	1,725	2,469	2,033	11,133	201
FAST FORWARD Courses ³	2,040	2,755	7,300	8,030	2,378	4,216
On-the-Job Training Courses	-	-	532	2,213	2,088	1,786

Source : Singapore Productivity and Standards Board

1 Prior to 1992, figures include Labour Management Relations.

2 For 1991, data refers to Apr 91 - Dec 91.

3 For 1990, data refers to Jul 90 - Dec 90.

4.20

QUALITY CONTROL CIRCLES (End of Period)

Industry							Number
	1985	1990	1991	1992	1993	1994	1995
Registered Quality Control Circles	3,519	10,363	11,720	13,627	14,264	16,092	17,723
Organisations (Companies, Government Bodies & Statutory Boards)	143	212	234	278	304	366	377
Membership	25,670	76,228	81,169	100,089	104,996	117,363	129,434

Source : Singapore Productivity and Standards Board

4.21 TRADE UNIONS AND MEMBERSHIP

(End of Period)

Industry	Number						
	1985	1990	1991	1992	1993	1994	1995
Employee Class							
Unions	84	83	83	81	82	82	81
Members	201,132	212,204	217,086	228,686	235,723	232,927	235,157
Employer Class							
Unions	5	5	4	3	3	3	3
Members	1,170	1,039	1,064	1,052	1,045	1,088	1,225

Source : Ministry of Labour

4.22 LABOUR RELATIONS

	Number						
	1985	1990	1991	1992	1993	1994	1995
Trade Disputes	340	303	323	353	370	333	305
Claims Registered ¹	340	303	323	353	370	333	305
Wages	177	200	214	233	256	207	174
Others	163	103	109	120	114	126	131
Cases Referred to IAC ²	72	41	34	27	13	15	3
IAC Awards	35	46	31	18	9	10	9
Industrial Stoppages	-	-	-	-	-	-	-

Source : Ministry of Labour

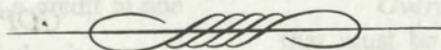
1 Refer to main cause of individual disputes referred to the Conciliation Section.

"Wages" include Wage Increase and Conditions of Service.

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

2 IAC = Industrial Arbitration Court.

NATIONAL INCOME AND BALANCE OF PAYMENTS



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

GNP is calculated at market prices and includes the value of output produced by Singapore residents who are employed abroad. It excludes the value of output produced by non-residents who are employed in Singapore.

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

5 NATIONAL INCOME AND BALANCE OF PAYMENTS

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 1990 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 1990 which is set at 100. The deflators are derived as the ratio of current price estimates to the corresponding constant price estimates.

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 less subsidies.

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

5 NATIONAL INCOME AND BALANCE OF PAYMENTS (cont'd)

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

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

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

Definitions

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 System of National Accounts, 1995", published by the Department of Statistics, Singapore, contains the detailed methodology used to compile Singapore's national accounts and balance of payments estimates and data series from 1960 to 1995. 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.

5.1 INDIGENOUS GROSS NATIONAL PRODUCT

(At Current Market Prices)

	1985	1990	1991	1992	1993	1994	1995
Million Dollars							
Total Gross Domestic Product	38,923.5	67,878.9	75,320.9	80,997.5	94,258.7	108,224.0	120,628.8
Share of Resident Foreigners & Resident Foreign Companies in GDP	9,836.8	21,487.1	25,422.6	23,442.0	29,252.7	34,185.7	39,631.5
Indigenous GDP	29,086.7	46,391.8	49,898.3	57,555.5	65,006.0	74,038.3	80,997.3
Factor Receipts of Singaporeans from Rest of the World	3,297.2	9,446.6	10,562.4	10,869.8	10,549.3	11,171.3	12,874.9
Indigenous GNP	32,383.9	55,838.4	60,460.7	68,425.2	75,555.3	85,209.6	93,872.2
Per Capita Indigenous GNP (\$)	13,044.4	20,641.9	21,884.7	24,279.8	26,291.1	29,079.8	31,432.2
Percentage Change Over Previous Year							
Total Gross Domestic Product	-2.8	14.4	11.0	7.5	16.4	14.8	11.5
Share of Resident Foreigners & Resident Foreign Companies in GDP	2.7	17.9	18.3	-7.8	24.8	16.9	15.9
Indigenous GDP	-4.5	12.8	7.6	15.3	12.9	13.9	9.4
Factor Receipts of Singaporeans from Rest of the World	19.4	31.5	11.8	2.9	-2.9	5.9	15.2
Indigenous GNP	-2.6	15.6	8.3	13.2	10.4	12.8	10.2
Per Capita Indigenous GNP (\$)	-4.1	13.1	6.0	10.9	8.3	10.6	8.1

5.2 OUTPUT, SAVING AND INVESTMENT

(At Current Market Prices)

Million Dollars

	1985	1990	1991	1992	1993	1994	1995
Gross National Product (GNP)							
GNP at Market Prices	40,330.4	68,306.3	75,328.2	82,433.8	93,466.0	108,239.7	121,486.8
Gross Domestic Product (GDP)							
at Factor Cost	35,619.4	62,114.9	69,078.8	73,462.0	84,922.8	96,492.4	107,922.6
Indirect Taxes	3,304.1	5,764.0	6,242.1	7,535.5	9,335.9	11,731.6	12,706.2
Net Factor Income from Abroad	1,406.9	427.4	7.3	1,436.3	-792.7	15.7	858.0
Generation of Gross National Saving							
Gross National Saving	16,543.4	29,961.7	34,183.6	38,258.7	42,315.3	52,625.5	60,720.1
Gross Domestic Saving	15,605.5	30,337.2	35,039.7	37,700.5	44,076.8	53,731.7	61,121.2
GDP at Market Prices	38,923.5	67,878.9	75,320.9	80,997.5	94,258.7	108,224.0	120,628.8
Less : Private & Government Consumption Expenditure	23,101.4	37,541.7	40,834.1	44,062.9	50,598.1	55,317.2	59,346.4
Statistical Discrepancy	-216.6	-	552.9	765.9	416.2	824.9	-161.2
Net Factor Income from Abroad	1,406.9	427.4	7.3	1,436.3	-792.7	15.7	858.0
Net Transfers from Abroad	-469.0	-802.9	-863.4	-878.1	-968.8	-1,121.9	-1,259.1
Finance of Gross Capital Formation							
Gross Capital Formation	16,551.2	24,348.8	25,746.6	29,112.6	35,520.6	35,389.7	39,328.3
Gross National Saving	16,543.4	29,961.7	34,183.6	38,258.7	42,315.3	52,625.5	60,720.1
Net Borrowing from/Lending (-) to Abroad	7.8	-5,612.9	-8,437.0	-9,146.1	-6,794.7	-17,235.8	-21,391.8

5.3 GROSS DOMESTIC PRODUCT BY INDUSTRY

Million Dollars

	1985	1990	1991	1992	1993	1994	1995
At Current Market Prices							
Total	38,923.5	67,878.9	75,320.9	80,997.5	94,258.7	108,224.0	120,628.8
Agriculture & Fishing	292.3	176.6	165.4	170.9	166.7	186.5	206.4
Quarrying	111.3	81.7	76.1	38.7	38.3	55.0	59.0
Manufacturing	9,184.3	19,393.1	21,191.4	21,236.7	24,524.3	27,674.3	31,635.9
Utilities	796.0	1,250.0	1,280.0	1,353.3	1,571.1	1,740.3	1,869.7
Construction	4,167.9	3,724.0	4,799.3	6,212.2	6,772.4	7,975.6	8,555.4
Commerce	6,636.3	12,764.2	14,081.9	15,093.9	17,933.9	21,167.8	23,651.9
Transport & Communications	5,234.5	8,715.6	9,991.3	10,168.7	11,494.5	12,986.3	14,130.0
Financial & Business Services	10,652.0	17,835.1	19,857.8	22,235.5	26,738.6	30,575.8	34,187.3
Other Services	4,577.3	7,358.9	8,263.9	9,047.7	10,043.0	11,523.4	12,647.0
Less : Imputed Bank Service Charge	3,196.5	4,029.2	5,023.9	5,295.7	5,877.6	6,423.4	7,058.1
Add : Import Duties	468.1	608.9	637.7	735.6	853.5	762.4	744.3
At 1990 Market Prices							
Total	45,344.9	67,878.9	72,860.9	77,393.8	85,473.2	94,063.6	102,299.1
Agriculture & Fishing	291.6	176.6	161.1	161.3	157.7	166.3	179.7
Quarrying	131.6	81.7	80.6	63.3	48.6	44.4	48.6
Manufacturing	10,768.6	19,393.1	20,464.2	20,957.5	23,004.1	25,926.5	28,601.6
Utilities	827.0	1,250.0	1,330.4	1,405.6	1,504.2	1,638.8	1,741.0
Construction	5,112.8	3,724.0	4,559.1	5,548.5	6,016.9	6,990.9	7,575.6
Commerce	8,208.7	12,764.2	13,964.8	14,510.1	15,729.5	17,195.6	18,760.8
Transport & Communications	5,590.6	8,715.6	9,336.7	9,902.1	10,927.4	12,087.9	13,370.4
Financial & Business Services	12,381.6	17,835.1	19,408.1	20,732.9	23,488.4	25,358.1	27,318.2
Other Services	5,239.1	7,358.9	7,965.8	8,562.1	9,291.5	9,856.3	10,537.9
Less : Imputed Bank Service Charge	3,629.4	4,029.2	5,024.7	5,161.9	5,473.5	5,913.0	6,532.9
Add : Import Duties	541.0	608.9	614.8	712.3	778.4	711.8	698.2

5.4 EXPENDITURE ON GROSS DOMESTIC PRODUCT

Million Dollars

	1985	1990	1991	1992	1993	1994	1995
At Current Market Prices							
Total	38,923.5	67,878.9	75,320.9	80,997.5	94,258.7	108,224.0	120,628.8
Private Consumption Expenditure	17,552.9	30,762.0	33,398.3	36,436.3	42,004.7	46,288.1	49,152.2
Government Consumption Expenditure	5,548.5	6,779.7	7,435.8	7,626.6	8,593.4	9,029.1	10,194.2
Gross Fixed Capital Formation	16,424.8	21,577.8	25,090.6	28,843.2	32,957.9	36,421.9	39,851.2
Increase in Stocks	126.4	2,771.0	656.0	269.4	2,562.7	-1,032.2	-522.9
Net Exports of Goods & Services	-945.7	5,988.4	9,293.1	8,587.9	8,556.2	18,342.0	21,792.9
Statistical Discrepancy	216.6	-	-552.9	-765.9	-416.2	-824.9	161.2
At 1990 Market Prices							
Total	45,344.9	67,878.9	72,860.9	77,393.8	85,473.2	94,063.6	102,299.1
Private Consumption Expenditure	20,280.9	30,762.0	32,560.0	34,716.6	38,472.1	40,567.6	42,630.1
Government Consumption Expenditure	6,033.2	6,779.7	7,387.1	7,564.5	8,461.3	8,467.2	9,525.4
Gross Fixed Capital Formation	18,721.9	21,577.8	24,465.4	27,551.6	30,807.1	33,306.5	36,054.1
Increase in Stocks	396.5	2,771.0	605.4	207.5	1,482.5	-938.8	-341.9
Net Exports of Goods & Services	197.0	5,988.4	7,908.8	7,670.8	7,008.7	13,591.9	15,981.4
Statistical Discrepancy	-284.6	-	-65.8	-317.2	-758.5	-930.8	-1,550.0

5.5 PRIVATE CONSUMPTION EXPENDITURE

Million Dollars

	1985	1990	1991	1992	1993	1994	1995
At Current Market Prices							
Total	17,552.9	30,762.0	33,398.3	36,436.3	42,004.7	46,288.1	49,152.2
Food & Beverages	5,121.5	6,197.4	6,791.5	7,128.7	7,528.7	7,744.6	7,992.9
Clothing & Footwear	1,569.4	2,607.0	2,636.1	2,669.9	2,888.8	2,988.7	3,012.9
Rent & Utilities	2,184.9	4,379.9	4,896.2	5,378.9	5,856.3	6,268.6	6,566.8
Furniture & Household Equipment	2,015.3	2,911.2	3,107.5	3,378.4	3,641.9	3,920.4	4,258.6
Medical Services	702.2	1,526.1	1,682.8	1,917.2	2,049.0	2,190.1	2,368.0
Transport & Communications	2,678.7	5,601.0	5,918.0	7,080.7	8,834.3	10,181.4	10,466.5
Recreation & Education	2,453.5	5,980.5	6,439.8	6,491.9	7,277.2	7,642.7	7,894.7
Other Goods & Services	3,562.4	7,418.0	7,381.3	8,354.9	10,074.9	11,531.9	12,505.0
Add : Residents' Expenditure Abroad	1,103.5	2,642.8	2,575.9	3,306.0	4,094.8	4,869.2	5,859.1
Less : Non-residents' Expenditure Locally	3,838.5	8,501.9	8,030.8	9,270.3	10,241.2	11,049.5	11,772.3
At 1990 Market Prices							
Total	20,280.9	30,762.0	32,560.0	34,716.6	38,472.1	40,567.6	42,630.1
Food & Beverages	5,391.4	6,197.4	6,653.9	6,891.6	7,212.9	7,226.1	7,340.6
Clothing & Footwear	1,690.3	2,607.0	2,613.6	2,624.1	2,772.4	2,799.4	2,784.3
Rent & Utilities	2,751.9	4,379.9	4,581.8	4,813.8	5,092.0	5,425.9	5,715.9
Furniture & Household Equipment	2,214.3	2,911.2	3,067.0	3,277.1	3,484.6	3,659.4	3,899.0
Medical Services	784.4	1,526.1	1,544.0	1,683.7	1,736.6	1,782.7	1,908.4
Transport & Communications	3,508.8	5,601.0	5,685.2	6,482.1	7,516.2	7,804.0	7,907.6
Recreation & Education	2,734.6	5,980.5	6,388.4	6,434.9	7,025.9	7,151.5	7,213.9
Other Goods & Services	4,084.1	7,418.0	7,325.0	8,216.4	9,477.1	10,385.5	11,241.3
Add : Residents' Expenditure Abroad	1,189.8	2,642.8	2,504.7	3,128.4	3,784.6	4,324.3	5,069.1
Less : Non-residents' Expenditure Locally	4,216.8	8,501.9	7,803.6	8,835.5	9,630.2	9,991.2	10,450.0

5.6 GROSS FIXED CAPITAL FORMATION

Million Dollars

	1985	1990	1991	1992	1993	1994	1995
At Current Market Prices							
Total	16,424.8	21,577.8	25,090.6	28,843.2	32,957.9	36,421.9	39,851.2
Construction & Works	10,007.4	8,464.4	10,926.0	14,166.6	15,868.3	19,275.9	21,542.2
Residential Buildings	5,265.4	3,572.8	4,431.2	5,762.1	7,382.8	9,244.9	11,098.5
Non-residential Buildings	3,284.8	3,692.4	4,940.9	6,649.9	6,683.3	7,878.8	8,342.0
Other Construction & Works	1,457.2	1,199.2	1,553.9	1,754.6	1,802.2	2,152.2	2,101.7
Transport Equipment	1,908.0	3,554.0	4,352.7	4,915.2	5,822.1	4,870.2	5,829.6
Machinery & Equipment	4,509.4	9,559.4	9,811.9	9,761.4	11,267.5	12,275.8	12,479.4
At 1990 Market Prices							
Total	18,721.9	21,577.8	24,465.4	27,551.6	30,807.1	33,306.5	36,054.1
Construction & Works	12,050.6	8,464.4	10,331.6	12,918.0	13,934.5	16,151.8	17,748.0
Residential Buildings	6,524.2	3,572.8	4,172.9	5,175.7	6,274.9	7,264.7	8,570.6
Non-residential Buildings	3,917.9	3,692.4	4,686.8	6,134.1	6,041.6	6,971.8	7,283.0
Other Construction & Works	1,672.3	1,199.2	1,471.9	1,608.2	1,618.0	1,915.3	1,894.4
Transport Equipment	2,083.4	3,554.0	4,181.4	4,643.0	5,330.1	4,395.6	5,191.2
Machinery & Equipment	4,974.9	9,559.4	9,952.4	9,990.6	11,542.5	12,759.1	13,114.9

5.7 GROSS DOMESTIC PRODUCT DEFLATORS BY INDUSTRY (1990=100)

Industry	1985	1990	1991	1992	1993	1994	1995
Total	85.8	100.0	103.4	104.7	110.3	115.1	117.9
Agriculture & Fishing	100.2	100.0	102.7	106.0	105.7	112.1	114.9
Quarrying	84.6	100.0	94.4	61.1	78.8	123.9	121.4
Manufacturing	85.3	100.0	103.6	101.3	106.6	106.7	110.6
Utilities	96.3	100.0	96.2	96.3	104.4	106.2	107.4
Construction	81.5	100.0	105.3	112.0	112.6	114.1	112.9
Commerce	80.8	100.0	100.8	104.0	114.0	123.1	126.1
Transport & Communications	93.6	100.0	107.0	102.7	105.2	107.4	105.7
Financial & Business Services	86.0	100.0	102.3	107.2	113.8	120.6	125.1
Other Services	87.4	100.0	103.7	105.7	108.1	116.9	120.0

Note : Refer to gross domestic product at market prices.

5.8 DEFLATORS OF EXPENDITURE ON GROSS DOMESTIC PRODUCT (1990=100)

	1985	1990	1991	1992	1993	1994	1995
Total	85.8	100.0	103.4	104.7	110.3	115.1	117.9
Private Consumption Expenditure	86.5	100.0	102.6	105.0	109.2	114.1	115.3
Government Consumption Expenditure	92.0	100.0	100.7	100.8	101.6	106.6	107.0
Gross Fixed Capital Formation	87.7	100.0	102.6	104.7	107.0	109.4	110.5
Exports of Goods & Services	103.3	100.0	97.6	94.0	93.1	92.1	91.3
Imports of Goods & Services	105.1	100.0	96.4	93.0	91.9	89.2	88.1

5.9 BALANCE OF PAYMENTS

Million Dollars

	1985	1990	1991	1992	1993	1994	1995
A Current Account Balance	-7.8	5,612.9	8,437.0	9,146.1	6,794.7	17,235.8	21,391.8
Goods & Services (Net)	461.2	6,415.8	9,300.4	10,024.2	7,763.5	18,357.7	22,650.9
Merchandise Trade Balance	-6,223.5	-6,703.5	-4,382.4	-6,367.3	-7,980.6	-1,600.6	-1,056.5
Exports fob	47,376.3	94,458.6	100,907.4	104,186.3	121,357.1	145,079.1	164,470.2
Imports fob	53,599.8	101,162.1	105,289.8	110,553.6	129,337.7	146,679.7	165,526.7
Services Balance	6,684.7	13,119.3	13,682.8	16,391.5	15,744.1	19,958.3	23,707.4
Exports of Services	18,034.3	39,664.5	41,981.9	43,588.6	47,423.3	53,621.9	61,511.6
Shipment	1,501.1	2,962.1	3,111.1	3,160.7	3,639.3	4,479.7	5,093.3
Travel	3,653.0	8,325.4	7,872.0	9,046.3	10,120.9	10,930.2	11,653.0
Investment Income	3,990.9	11,628.5	12,838.8	13,127.1	12,832.5	13,194.4	15,373.0
Official Transactions	217.8	184.1	171.3	169.3	172.9	170.7	173.0
Other Transport & Svs nec	8,671.5	16,564.4	17,988.7	18,085.2	20,657.7	24,846.9	29,219.3
Imports of Services	11,349.6	26,545.2	28,299.1	27,197.1	31,679.2	33,663.6	37,804.2
Shipment	3,317.6	6,783.8	6,971.6	5,407.8	6,240.7	7,101.5	8,302.7
Travel	1,349.4	3,268.4	3,184.4	4,094.4	5,081.4	6,049.0	7,286.2
Investment Income	2,602.4	9,705.6	11,450.0	10,577.8	12,446.7	11,822.9	13,013.7
Official Transactions	91.8	119.9	123.2	165.8	168.6	150.4	146.7
Other Transport & Svs nec	3,988.4	6,667.5	6,569.9	6,951.3	7,741.8	8,539.8	9,054.9
Unrequited Transfers (Net)	-469.0	-802.9	-863.4	-878.1	-968.8	-1,121.9	-1,259.1
Private	-451.2	-497.0	-589.4	-659.8	-782.6	-914.2	-1,029.1
Official	-17.8	-305.9	-274.0	-218.3	-186.2	-207.7	-230.0
B Capital Account Balance	1,536.9	7,154.8	4,051.9	2,920.9	-1,746.0	-13,851.4	-9,737.6
Non monetary Sector (Net)	2,554.8	4,109.5	5,722.7	4,093.6	-6,137.4	-15,558.7	-17,734.8
Private	2,594.3	4,177.4	5,749.0	4,109.2	10,968.9	-2,325.1	-3,404.5
Official	-39.5	-67.9	-26.3	-15.6	-17,106.3	-13,233.6	-14,330.3
Monetary Sector (Net)	-1,017.9	3,045.3	-1,670.8	-1,172.7	4,391.4	1,707.3	7,997.2
Commerical Banks:							
Foreign Assets ¹	-3,057.9	4,909.1	1,771.1	-9,555.0	1,242.0	-6,554.5	1,626.1
Foreign Liabilities	2,040.0	-1,863.8	-3,441.9	8,382.3	3,149.4	8,261.8	6,371.1
C Allocation of Special Drawing Rights	-	-	-	-	-	-	-
D Balancing Item	1,412.6	-2,875.2	-5,226.1	-2,108.0	7,105.0	3,917.3	519.7
E Overall Balance (A+B+C+D)	2,941.7	9,892.5	7,262.8	9,959.0	12,153.7	7,301.7	12,173.9
F Official Reserves (Net)¹	-2,941.7	-9,892.5	-7,262.8	-9,959.0	-12,153.7	-7,301.7	-12,173.9
Special Drawing Rights	-17.6	-27.8	-4.2	76.1	-11.9	-9.7	-15.5
Reserve Position in the Fund	-26.0	3.0	12.8	-146.7	-14.8	-20.3	-48.8
Foreign Exchange Assets	-2,898.1	-9,867.7	-7,271.4	-9,888.4	-12,127.0	-7,271.7	-12,109.6

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

5.10 STOCK OF FOREIGN EQUITY INVESTMENT IN SINGAPORE BY INDUSTRY

(End of Period)

Million Dollars							
Industry	1983	1988	1989	1990	1991	1992	1993
Total (I+II)	22,120.3	41,276.7	47,030.1	57,935.2	62,910.5	65,351.0	73,285.2
(I) Direct Equity Investment	19,267.1	35,799.2	41,063.0	49,830.6	54,563.2	56,660.9	62,766.9
Agriculture & Fishing	78.5	38.3	45.2	116.8	82.6	136.6	36.6
Mining & Quarrying	-4.7	-57.5	-49.5	-44.0	-39.7	-6.4	-1.4
Manufacturing	9,799.2	15,815.4	17,784.8	19,760.3	20,658.7	20,034.0	22,418.3
Construction	47.9	349.2	700.9	600.6	749.8	607.7	479.0
Commerce	3,097.9	3,858.4	4,702.0	6,516.8	8,561.5	7,933.8	9,113.2
Transport & Storage	392.5	522.8	907.0	1,229.6	1,372.4	1,531.6	1,971.5
Financial & Business Services	5,713.1	15,209.5	16,877.6	21,530.6	23,049.2	26,293.3	28,630.1
Other Services	142.7	63.1	94.9	120.0	128.6	130.5	119.6
(II) Portfolio & Other Equity Investment	2,853.2	5,477.6	5,967.2	8,104.5	8,347.3	8,690.1	10,518.4

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.

5.11 STOCK OF SINGAPORE'S EQUITY INVESTMENT ABROAD BY INDUSTRY

(End of Period)

Million Dollars						
Industry	1990	1991	1992	1993	1994	
Total (I+II)	17,826	19,718	22,885	27,951	35,387	
(I) Direct Equity Investment Abroad ¹	13,622	15,184	17,741	22,181	28,692	
Manufacturing	2,395	2,901	3,760	4,550	5,879	
Construction	70	72	130	187	294	
Commerce	1,504	1,606	1,967	2,285	2,759	
Transport & Storage	347	245	290	546	934	
Financial	7,301	8,648	9,753	12,225	15,710	
Real Estate	1,213	859	963	1,420	1,924	
Business Services	512	605	595	766	952	
Others	280	247	283	202	240	
(II) Portfolio Equity Investment Abroad	4,204	4,534	5,144	5,770	6,695	

Notes : Data breakdown by industry prior to 1990 are not available.

Data prior to 1994 exclude investment undertaken by financial institutions such as banks, finance companies and insurance companies.

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

5.12

STOCK OF FOREIGN EQUITY INVESTMENT IN SINGAPORE BY COUNTRY

(End of Period)

Million Dollars

	1983	1988	1989	1990	1991	1992	1993
Total (I+II)	22,120.3	41,276.7	47,030.1	57,935.2	62,910.5	65,351.0	73,285.2
(I) Direct Equity Investment	19,267.1	35,799.2	41,063.0	49,830.6	54,563.2	56,660.9	62,766.9
United States	4,978.8	7,672.5	8,335.3	8,590.2	9,530.4	9,646.6	11,251.3
Australia	375.6	3,321.6	3,076.3	2,953.1	2,886.6	2,943.9	3,128.1
Europe	6,312.9	9,662.1	10,927.9	13,465.2	15,834.2	16,385.1	17,847.6
European Community	5,133.1	7,136.1	8,043.1	10,564.3	12,683.2	13,083.2	13,777.5
United Kingdom	3,886.4	3,920.6	3,851.9	4,639.0	6,150.0	6,020.5	6,165.9
Germany	461.4	843.3	901.3	884.1	985.9	1,032.5	1,069.4
Netherlands	546.7	1,968.1	2,747.4	4,072.3	4,344.9	4,078.5	4,056.6
Others	238.7	404.1	542.5	969.0	1,202.4	1,951.7	2,485.6
Switzerland	964.3	2,021.9	2,203.5	2,262.4	2,434.5	2,634.2	3,348.1
Others	215.5	504.1	681.3	638.5	716.5	667.7	722.0
Asia	6,607.1	10,859.5	13,684.6	17,301.6	18,422.8	20,176.3	21,965.6
Japan	2,110.5	6,489.8	8,426.6	10,662.7	11,717.9	13,186.3	13,471.1
Hong Kong	2,093.7	2,245.3	2,766.8	3,267.1	3,245.0	3,461.8	3,758.7
Taiwan	51.1	138.4	179.7	225.2	253.1	360.3	503.5
Asean	2,237.5	1,774.7	2,059.4	3,002.7	2,889.8	3,041.9	3,843.5
Malaysia	1,919.9	1,519.7	1,746.2	2,109.7	2,106.4	2,220.7	2,462.5
Indonesia	137.7	96.8	157.8	245.1	91.6	61.3	170.6
Philippines	36.1	30.0	20.0	159.3	157.2	150.3	167.8
Thailand	46.5	43.8	52.3	417.3	485.7	516.9	951.0
Brunei	97.3	84.5	83.0	71.4	48.9	92.7	91.5
Others	114.3	211.3	252.1	143.9	317.0	126.0	388.8
Other Countries	992.7	4,283.5	5,038.9	7,520.5	7,889.2	7,509.0	8,574.3
(II) Portfolio & Other Equity Investment	2,853.2	5,477.6	5,967.2	8,104.5	8,347.3	8,690.1	10,518.4

5.13

STOCK OF SINGAPORE'S EQUITY INVESTMENT ABROAD BY COUNTRY (End of Period)

Million Dollars

Country	1984	1989	1990	1991	1992	1993	1994
Total (I+II)	3,758	8,726	17,826	19,718	22,885	27,951	35,387
(I) Direct Equity Investment Abroad ¹	2,399	5,289	13,622	15,184	17,741	22,181	28,692
Asia	1,805	3,014	7,013	7,402	9,209	11,643	16,007
Asean	1,341	1,770	3,567	3,996	4,897	6,107	8,599
Brunei	49	67	66	69	89	75	78
Indonesia	56	82	225	267	328	620	981
Malaysia	1,209	1,424	2,790	3,121	3,917	4,619	6,458
Philippines	18	53	98	90	106	202	355
Thailand	9	143	388	448	457	591	727
Hong Kong	391	835	2,266	2,369	3,051	3,847	4,628
Taiwan	27	148	495	287	350	394	492
China	-	109	240	220	283	652	1,527
Japan	1	29	52	74	76	96	123
Others	45	124	394	457	554	547	637
Europe	72	305	1,095	1,398	1,480	1,566	2,196
Netherlands	11	-90	656	550	526	499	466
United Kingdom	44	114	300	322	351	328	927
Others	17	281	139	526	604	739	803
Australia	132	331	531	570	637	583	927
United States	54	293	690	1,304	1,590	1,773	1,900
Other Countries	336	1,346	4,293	4,511	4,826	6,617	7,662
(II) Portfolio Equity Investment	1,358	3,437	4,204	4,534	5,144	5,770	6,695

Note: Data prior to 1994 exclude investment undertaken by financial institutions such as banks, finance companies and insurance companies.

¹ Data prior to 1990 exclude stock of attributable reserves of overseas subsidiaries and associates as they are only available from 1990 onwards.

THE CORPORATE SECTOR

Data on the Corporate Sector covered all companies incorporated or registered in Singapore, including branches of foreign companies. Partnerships and sole proprietorships were, however, not included because of the difficulty in obtaining financial statements for such business enterprises. For companies with up-to-date accounts filed with the Singapore Registry of Companies and Businesses (RCB), the data were extracted from those accounts. For the remaining companies, data were collected directly via a postal survey of the companies.

Definitions

Local-controlled companies : Refer to companies with at least 50 per cent of their ordinary paid-up shares owned by shareholders who have their residential or registered address in Singapore, with the exception of subsidiaries of local companies which are foreign-controlled.

Foreign-controlled companies : Refer to companies with at least 50 per cent of their ordinary paid-up shares owned by shareholders who have their residential or registered address outside Singapore. They include branches of foreign corporations as well as subsidiaries of foreign-controlled companies.

Equity Ratio : It is defined as the ratio of shareholders' equity to the total debt or

liabilities. This ratio measures the dependence of companies on external funding i.e. funding which is not from its shareholders or to its overseas headquarters in the case of the local branch of a foreign enterprise. The lower is this ratio, the higher is the company's dependence on external funding.

Current Ratio : It is defined as the ratio of current assets (including the outstanding funds due from holding and related companies) to current liabilities (including the outstanding amount due to holding and related companies). This ratio measures the liquidity of companies, i.e. their ability to meet current debt payments when due. A ratio of 1 indicates that the company has exactly balanced its current liabilities with current assets. The further is the ratio below 1, the higher is the risk of the company running into a liquidity problem. A ratio of above 1 indicates an excess of liquidity in the company.

Other References

The report "Singapore's Corporated Sector: Size, Composition and Financial Structure", published by the Department of Statistics, Singapore in 1992, contains analyses of data and detailed tables showing the aggregated balance sheets and profit and loss accounts.

6.1 ACTIVE COMPANIES BY INDUSTRY

(End of Period)

Industry	1983	1988	1989	1990	1991	1992	Number 1993
Total	27,062	34,071	34,653	37,379	40,242	44,681	45,605
Agriculture & Fishing	97	109	119	109	141	87	90
Mining & Quarrying	33	35	34	24	29	38	11
Manufacturing	3,662	4,595	4,734	5,351	5,629	5,469	5,947
Construction	1,381	2,637	2,558	2,335	2,592	2,677	3,398
Commerce	11,413	14,037	14,389	15,259	16,361	18,302	18,870
Transport & Storage	2,041	2,502	2,672	2,935	3,229	3,537	3,591
Financial & Business Services	7,899	8,950	8,935	9,989	10,942	12,986	12,338
Social & Personal Services	536	1,206	1,212	1,377	1,319	1,585	1,360

6.2 LOCAL-CONTROLLED COMPANIES BY INDUSTRY

(End of Period)

Industry	1983	1988	1989	1990	1991	1992	Number 1993
Total	20,906	26,654	26,739	28,693	31,463	34,263	34,362
Agriculture & Fishing	86	102	111	101	136	78	85
Mining & Quarrying	27	29	29	16	19	8	7
Manufacturing	2,801	3,581	3,675	4,171	4,301	4,299	4,624
Construction	1,176	2,334	2,236	2,150	2,404	2,462	2,963
Commerce	8,714	10,924	11,140	11,607	12,526	13,749	13,827
Transport & Storage	1,569	1,936	2,047	2,138	2,585	2,710	2,702
Financial & Business Services	6,075	6,638	6,396	7,214	8,293	9,539	8,938
Social & Personal Services	458	1,110	1,105	1,294	1,199	1,418	1,216

6.3 FOREIGN-CONTROLLED COMPANIES BY INDUSTRY

(End of Period)

								Number
Industry	1983	1988	1989	1990	1991	1992	1993	
Total	6,156	7,147	7,914	8,686	8,779	10,418	11,243	
Agriculture & Fishing	11	7	8	8	5	9	5	
Mining & Quarrying	6	6	5	8	10	30	4	
Manufacturing	861	1,014	1,059	1,180	1,328	1,170	1,323	
Construction	205	303	322	185	188	215	435	
Commerce	2,699	3,113	3,249	3,650	3,835	4,553	5,043	
Transport & Storage	472	566	625	797	644	827	889	
Financial & Business Services	1,824	2,312	2,539	2,775	2,649	3,447	3,400	
Social & Personal Services	78	96	107	83	120	167	144	

6.4 TOTAL ASSETS / LIABILITIES OF COMPANIES BY MAIN INDUSTRIAL SECTORS

(End of Period)

	Billion Dollars						
	1983	1988	1989	1990	1991	1992	1993
Total	431.3	760.1	882.2	972.2	990.3	1,048.4	1,175.8
Financial Services Sector	303.3	597.9	685.0	732.5	714.0	759.0	840.8
Non-Financial Sectors	128.0	162.2	197.2	239.7	276.4	289.4	335.0
Manufacturing	33.8	48.5	57.2	66.3	71.5	71.7	82.5
Construction	9.2	7.7	9.6	9.2	12.0	14.7	19.0
Commerce	32.7	41.3	49.8	63.7	78.0	75.5	87.8
Transport & Storage	16.9	19.2	23.4	27.7	30.5	37.4	40.7
Insurance, Real Estate & Business Services	33.7	43.4	54.6	68.7	79.8	84.7	99.5
Others	1.6	2.0	2.6	4.1	4.5	5.5	5.4

6.5 EQUITY RATIOS OF COMPANIES BY MAIN INDUSTRIAL SECTORS

(End of Period)

	1983	1988	1989	1990	1991	1992	1993
Total	0.17	0.16	0.17	0.20	0.21	0.19	0.20
Financial Services Sector	0.11	0.10	0.10	0.14	0.15	0.13	0.14
Non-Financial Sectors	0.33	0.36	0.38	0.39	0.37	0.37	0.37
Manufacturing	0.48	0.51	0.49	0.49	0.47	0.48	0.48
Construction	0.07	0.14	0.15	0.18	0.17	0.12	0.11
Commerce	0.30	0.27	0.27	0.27	0.26	0.25	0.25
Transport & Storage	0.21	0.39	0.42	0.42	0.44	0.44	0.47
Insurance, Real Estate & Business Services	0.33	0.32	0.37	0.40	0.39	0.40	0.40
Others	0.43	0.47	0.46	0.48	0.51	0.44	0.44

6.6 CURRENT RATIOS OF COMPANIES BY MAIN INDUSTRIAL SECTORS

(End of Period)

	1983	1988	1989	1990	1991	1992	1993
Total	1.00	1.03	1.04	1.07	1.08	1.04	1.04
Financial Services Sector	1.01	1.02	1.04	1.07	1.09	1.04	1.05
Non-Financial Sectors	0.96	1.06	1.07	1.08	1.06	1.04	1.02
Manufacturing	1.27	1.42	1.39	1.34	1.27	1.31	1.30
Construction	0.88	0.91	0.91	0.86	0.87	0.83	0.84
Commerce	1.05	1.06	1.10	1.12	1.13	1.09	1.08
Transport & Storage	0.83	0.93	0.99	1.04	1.01	1.00	0.88
Insurance, Real Estate & Business Services	0.65	0.76	0.75	0.77	0.76	0.78	0.79
Others	0.87	0.94	0.98	1.15	1.24	1.02	1.06

6.7 NEW COMPANIES FORMED BY INDUSTRY

Industry	Number					
	1985	1990	1991	1992	1993	1994
Total	2,827	6,503	6,654	7,220	8,816	9,811
Agriculture, Fishing, Mining & Quarrying	18	30	40	23	17	27
Manufacturing	569	1,015	1,056	953	1,075	1,140
Construction	229	305	360	465	525	553
Commerce	1,075	2,666	2,796	3,162	3,632	3,719
Transport & Communications	157	558	537	485	545	573
Financial & Business Services	593	1,623	1,571	1,798	2,623	3,275
Other Services	110	306	294	334	399	450
Not Stated	76	-	-	-	-	74

Source : Registry of Companies and Businesses

7 AGRICULTURE, LIVESTOCK AND FISHERIES

	1991	1992	1993	1994	1995	1996	1997
General	353.7	344.5	351.3	355.4	360.5	365.5	370.5
The agricultural sector of Singapore is engaged mainly in the production of eggs, fish and vegetables for local consumption and exports 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, the Government has encouraged farmers to house large-scale agro-technology parks to house large-scale intensive farms using high technology.							
of 1,080 hectares have been successfully developed and an additional 1,000 hectares under development.							

AGRICULTURE, LIVESTOCK AND FISHERIES

The main crops cultivated in Singapore are vegetables and orchids. Vegetable cultivation is highly intensive, producing mainly leafy vegetables like cai xian, kai lan, wing 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 companies are supported by plant tissue laboratories which produce several hundred thousands of plants.	1991	1992	1993	1994	1995	1996	1997
Poultry and Livestock From egg production, an important farming activity in Singapore meets about 35 per cent of the domestic market and 17 for exports.	145.9	147.1	148.5	149.8	151.2	152.6	154.0
Fish The 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 Fish Market Complex handles much smaller quantities which are landed mainly by local fishing vessels. There are 19 fish processing plants licensed to manufacture fishery products for the domestic market and 17 for exports.	112.2	113.5	114.8	116.1	117.4	118.7	120.0

Source: Primary Production Department
Trade Development Board
Note: Excludes dried, salted and fish in brine.

7 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 1,080 hectares have been successfully developed and an additional 393 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 35

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 handles much smaller quantities which are landed mainly by local fishing vessels. There are 19 fish processing plants licensed to manufacture fishery products for the domestic market and 17 for exports markets.

There are 84 licensed marine farms covering about 46.5 hectares of coastal waters, culturing high-value fish like groupers and seabass for the live fish market.

7.1 PRODUCTION OF PRINCIPAL CROPS

	1985	1990	1991	1992	1993	1994	1995
Vegetables (Tonnes)	28,648	8,907	4,597	5,189	4,800	5,644	7,336
Orchid Flowers (Million Stalks)	na	na	na	42	37	33	29
Plants ¹ (Million Plants)	na	na	na	na	233	188	77

Source: Primary Production Department.

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

7.2 LIVESTOCK SLAUGHTERED

	1985	1990	1991	1992	1993	1994	Number 1995
Pigs	1,093,272	1,152,395	1,231,648	1,266,718	1,287,801	1,311,753	1,291,560
Sheep	53,579	28,111	26,783	26,677	24,331	20,170	14,357
Goats	121	227	385	947	246	235	19
Oxen	1,383	1,260	1,288	1,409	1,315	789	441

Source: Primary Production Department.

7.3 FISH SUPPLY AND AUCTION

	1985	1990	1991	1992	1993	1994	Tonnes 1995
Fish Supply							
Local Production	22,761	11,400	11,022	9,198	9,278	11,280	9,941
Imports	102,134	161,718	171,551	180,403	167,077	178,537	181,090
Exports	56,840	116,213	133,809	121,941	109,966	136,518	136,909
Fish Auction	112,289	106,829	106,537	108,589	103,109	92,550	93,761

Source: Primary Production Department

Trade Development Board

Note: Exclude dried, salted and fish in brine.

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 reference period 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.

8 MANUFACTURING (cont'd)

Indices of Business and Labour Costs

The Unit Business Cost Index (UBCI) measures the relative cost of producing one unit of real output with respect to the base year. The main components for business cost are labour cost, services cost and government rates and fees. The weighting pattern for the components are derived from the input-output tables. As a fixed-weight index, the UBCI takes the reference year of input-output tables as the base year. The Laspeyres' formula is used for the compilation of the index.

Unit labour cost is defined as the total labour cost per unit of real output. Total labour cost comprises wages and salaries, benefits, CPF contributions by employers, foreign workers' levy and skill development levy.

Investment Commitments

Investment commitments refer to investment projects in terms of gross fixed

assets which companies commit to invest in Singapore. Projects are only recorded as commitments if their potential for establishment is favourable and the company has made a firm undertaking to implement the project.

Pioneer Manufacturing Establishments

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

Other References

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.

8.1 PRINCIPAL MANUFACTURING STATISTICS

	Unit	1985	1990	1991	1992	1993	1994	1995
Establishments	No	3,504	3,703	3,785	3,917	3,993	4,013	4,092
Workers	No	253,510	351,674	358,274	358,394	355,175	365,588	375,538
Materials	\$m	25,509	45,396	46,422	47,407	54,251	63,097	70,779
Output	\$m	38,495	71,333	74,575	77,276	87,639	100,622	113,109
Census Value Added	\$m	10,702	21,607	23,450	24,909	28,287	31,454	35,442
Remuneration	\$m	4,075	6,877	7,656	8,387	8,995	9,881	10,761
Capital Expenditure	\$m	1,977	4,184	4,035	4,793	5,624	5,972	na
Direct Exports	\$m	24,276	47,000	45,913	46,907	53,022	61,532	70,742

Source : Economic Development Board (with effect from April 1987)

Notes : Figures refer to establishments engaging 10 or more workers.

Data exclude rubber processing and granite quarrying.

8.2 SELECTED AVERAGES AND RATIOS IN THE MANUFACTURING SECTOR

	Unit	1985	1990	1991	1992	1993	1994	1995
Census Value Added Per Worker	\$'000	42.2	61.4	65.5	69.5	79.6	86.0	94.4
Output Per Worker	\$'000	151.8	202.8	208.2	215.6	246.7	275.2	301.2
Census Value Added to Output	%	27.8	30.3	31.4	32.2	32.3	31.3	31.3
Remuneration to Census Value Added	%	38.1	31.8	32.6	33.7	31.8	31.4	30.4
Remuneration to Output	%	10.6	9.6	10.3	10.9	10.3	9.8	9.5
Direct Exports to Total Sales	%	63.3	65.6	61.5	60.3	60.6	61.5	62.9
Direct Exports to Output	%	63.1	65.9	61.6	60.7	60.5	61.2	62.5

Source : Economic Development Board (with effect from April 1987)

Note : See notes to Table 8.1.

8.3

MANUFACTURING ESTABLISHMENTS BY INDUSTRY

Code	Industry	Number						
		1985	1990	1991	1992	1993	1994	1995
311/2	Food	284	265	271	293	295	303	309
313	Beverage	14	14	14	14	13	11	11
314	Tobacco Products	4	5	4	3	3	3	3
321	Textiles & Textile Manufactures	64	65	64	64	65	59	61
322	Wearing Apparel except Footwear	370	370	351	347	311	275	264
323	Leather & Leather Products	28	17	19	20	20	20	21
324	Footwear	50	32	29	27	24	19	19
331	Sawn Timber & Other Wood Products except Furniture	108	82	76	74	72	65	65
332	Furniture & Fixtures except primarily of Metal, Stone & Plastics	145	141	139	135	141	137	140
341	Paper & Paper Products	83	92	95	100	102	105	107
342	Printing & Publishing	297	327	342	361	383	380	390
351	Industrial Chemicals & Gases	57	77	77	74	75	82	84
352	Paints, Pharmaceuticals & Other Chemical Products	89	93	94	97	95	100	103
353/4	Petroleum Refineries & Petroleum Products	12	15	17	18	20	22	22
355/6	Rubber Products, Jelutong & Gum Damar	31	30	31	28	29	31	32
357	Plastic Products	229	285	288	295	306	307	312
361/2	Pottery, China, Earthenware & Glass Products	12	8	10	12	13	13	13
363	Structural Clay Products	10	7	6	6	7	7	7
364	Cement	6	5	5	5	5	5	5
365	Structural Cement & Concrete Products	52	31	32	33	35	37	40
369	Non-metallic Mineral Products	29	22	24	27	28	27	29

8.3 MANUFACTURING ESTABLISHMENTS BY INDUSTRY (continued)

Code	Industry	Number						
		1985	1990	1991	1992	1993	1994	1995
371	Iron & Steel	16	14	13	15	16	16	16
372	Non-ferrous Metals	16	21	21	20	22	21	21
381	Fabricated Metal Products except Machinery & Equipment	444	479	518	528	545	561	571
382	Machinery except Electrical & Electronic	355	406	414	464	467	500	515
383	Electrical Machinery, Apparatus, Appliances & Supplies	125	132	139	149	155	154	157
384	Electronic Products & Components	167	240	243	247	244	246	251
385	Transport Equipment	217	217	238	246	282	291	301
386	Instrumentation Equipment, Photographic & Optical Goods	41	57	61	60	58	56	58
390	Other Manufacturing Industries	149	154	150	155	162	160	165
Total Manufacturing		3,504	3,703	3,785	3,917	3,993	4,013	4,092
	Granite Quarrying	18	9	7	6	5	4	4
Total		3,522	3,712	3,792	3,923	3,998	4,017	4,096

Source : Economic Development Board (with effect from April 1987)

Notes : Figures refer to establishments engaging 10 or more workers.

Data are classified according to Singapore Standard Industrial Classification, 1990.

8.4 MANUFACTURING OUTPUT BY INDUSTRY

		Million Dollars						
Code	Industry	1985	1990	1991	1992	1993	1994	1995
311/2	Food	2,309.1	2,044.1	2,102.8	2,142.1	2,260.0	2,478.7	2,696.8
313	Beverage	319.5	510.6	525.1	555.9	558.1	555.7	546.2
314	Tobacco Products	188.4	287.6	330.5	370.0	384.6	462.5	504.2
321	Textiles & Textile Manufactures	197.8	394.6	401.7	388.3	368.0	320.8	302.8
322	Wearing Apparel except Footwear	1,035.4	1,729.8	1,739.1	1,631.5	1,329.4	1,212.5	1,006.4
323	Leather & Leather Products	35.9	54.8	62.7	75.6	78.1	82.2	69.7
324	Footwear	35.5	50.4	52.6	48.0	45.5	39.3	37.3
331	Sawn Timber & Other Wood Products except Furniture	338.0	350.1	297.4	293.0	290.4	274.0	235.4
332	Furniture & Fixtures except primarily of Metal, Stone & Plastics	359.9	516.3	517.2	531.2	616.5	636.1	535.0
341	Paper & Paper Products	408.3	816.3	869.5	802.4	853.7	948.4	1,070.8
342	Printing & Publishing	895.7	1,742.9	1,929.2	2,133.4	2,302.8	2,385.8	2,524.2
351	Industrial Chemicals & Gases	1,690.7	3,150.0	3,091.8	2,643.1	2,654.2	3,377.1	4,275.4
352	Paints, Pharmaceuticals & Other Chemical Products	891.1	1,771.9	2,251.8	2,292.5	2,374.2	2,428.3	2,559.5
353/4	Petroleum Refineries & Petroleum Products	11,031.3	11,364.5	11,288.4	10,272.1	11,213.2	10,976.5	10,603.3
355/6	Rubber Products, Jelutong & Gum Damar	90.7	146.7	161.3	162.6	167.7	196.6	227.0
357	Plastic Products	612.4	1,428.6	1,608.5	1,596.3	1,852.7	2,081.8	2,298.3
361/2	Pottery, China, Earthenware & Glass Products	29.5	145.5	149.0	176.1	202.8	241.8	311.2
363	Structural Clay Products	46.8	30.5	41.6	54.0	39.9	39.0	40.9
364	Cement	164.7	232.8	333.6	374.1	426.8	454.8	443.0
365	Structural Cement & Concrete Products	585.8	473.1	624.1	702.9	883.7	974.8	1,034.3
369	Non-metallic Mineral Products	98.2	126.1	133.0	156.5	173.8	180.8	188.4

8.4 MANUFACTURING OUTPUT BY INDUSTRY (continued)

Million Dollars

Code	Industry	1985	1990	1991	1992	1993	1994	1995
371	Iron & Steel	340.2	581.9	536.4	524.0	564.7	545.0	565.7
372	Non-ferrous Metals	224.8	216.0	198.3	208.3	198.4	214.2	196.0
381	Fabricated Metal Products except Machinery & Equipment	1,832.9	3,804.5	4,129.2	4,362.5	4,889.7	5,600.0	6,546.4
382	Machinery except Electrical & Electronic	1,768.9	3,380.7	3,723.0	3,861.3	3,729.4	4,489.0	5,130.9
383	Electrical Machinery, Apparatus, Appliances & Supplies	1,337.2	2,433.9	2,639.9	2,647.3	2,805.2	3,229.0	3,503.5
384	Electronic Products & Components	9,014.0	27,878.1	28,957.7	32,044.3	39,827.4	49,005.9	58,170.0
385	Transport Equipment	1,789.0	3,790.9	4,014.1	4,397.0	4,590.3	5,037.6	5,208.9
386	Instrumentation Equipment, Photographic & Optical Goods	329.0	783.0	860.5	946.5	1,086.9	1,140.1	1,437.7
390	Other Manufacturing Industries	494.3	1,097.1	1,005.0	882.8	870.8	1,013.7	840.4
Total Manufacturing		38,495.1	71,333.2	74,575.0	77,275.9	87,639.0	100,622.1	113,109.4
	Granite Quarrying	162.7	120.6	148.1	127.4	88.7	99.6	113.7
Total		38,657.8	71,453.8	74,723.1	77,403.3	87,727.7	100,721.7	113,223.2

Source : Economic Development Board (with effect from April 1987)

Notes : See notes to Table 8.3.

8.5

CENSUS VALUE ADDED OF MANUFACTURING ESTABLISHMENTS
BY INDUSTRY

Million Dollars

Code	Industry	1985	1990	1991	1992	1993	1994	1995
311/2	Food	395.3	583.4	625.5	653.7	718.7	782.1	850.1
313	Beverage	166.9	251.7	265.0	277.6	290.1	305.0	301.3
314	Tobacco Products	77.7	116.1	127.3	158.1	181.6	210.4	284.7
321	Textiles & Textile Manufactures	64.3	129.8	125.6	120.8	116.7	109.9	112.6
322	Wearing Apparel except Footwear	345.7	532.8	522.0	493.9	430.2	368.8	302.8
323	Leather & Leather Products	11.4	19.8	21.7	26.7	32.8	32.9	28.1
324	Footwear	12.6	16.4	15.6	15.4	15.7	14.6	14.1
331	Sawn Timber & Other Wood Products except Furniture	94.5	98.8	79.1	77.2	78.6	79.0	76.0
332	Furniture & Fixtures except primarily of Metal, Stone & Plastics	132.9	161.9	171.4	184.7	201.0	204.2	191.5
341	Paper & Paper Products	180.1	343.0	358.9	349.6	401.4	463.4	478.6
342	Printing & Publishing	511.4	932.5	1,043.5	1,215.4	1,350.4	1,487.3	1,585.4
351	Industrial Chemicals & Gases	358.4	1,058.2	960.7	835.7	873.1	1,151.6	1,444.1
352	Paints, Pharmaceuticals & Other Chemical Products	536.1	1,088.1	1,486.9	1,489.9	1,586.9	1,570.2	1,669.1
353/4	Petroleum Refineries & Petroleum Products	873.7	1,662.3	2,022.8	1,749.9	1,960.6	1,925.6	1,777.4
355/6	Rubber Products, Jelutong & Gum Damar	38.4	62.9	74.0	77.8	86.6	93.4	107.5
357	Plastic Products	231.0	538.9	609.4	634.1	762.9	846.2	930.0
361/2	Pottery, China, Earthenware & Glass Products	10.9	60.7	65.1	92.4	107.4	122.5	154.8
363	Structural Clay Products	25.0	16.0	24.3	32.7	22.0	22.8	24.5
364	Cement	34.1	70.2	126.2	151.4	170.9	180.9	175.7
365	Structural Cement & Concrete Products	213.6	123.9	151.9	160.5	188.9	222.4	236.2
369	Non-metallic Mineral Products	35.4	59.2	60.9	76.4	79.9	81.5	88.0

8.5 CENSUS VALUE ADDED OF MANUFACTURING ESTABLISHMENTS BY INDUSTRY (continued)

		Million Dollars							
Code	Industry	1985	1990	1991	1992	1993	1994	1995	
371	Iron & Steel	108.1	175.9	176.5	198.7	162.1	151.3	158.2	
372	Non-ferrous Metals	30.3	73.6	67.0	74.6	69.1	79.4	72.6	
381	Fabricated Metal Products except Machinery & Equipment	681.2	1,323.8	1,503.5	1,647.1	1,834.9	2,032.3	2,355.4	
382	Machinery except Electrical & Electronic	788.7	1,267.6	1,417.3	1,480.3	1,526.2	1,765.7	2,023.5	
383	Electrical Machinery, Apparatus, Appliances & Supplies	519.8	879.8	967.4	1,025.0	1,049.2	1,148.9	1,253.4	
384	Electronic Products & Components	2,838.8	7,716.6	8,027.6	8,925.3	11,066.2	12,907.2	15,475.8	
385	Transport Equipment	1,034.4	1,613.7	1,712.6	1,988.1	2,147.9	2,279.1	2,322.4	
386	Instrumentation Equipment, Photographic & Optical Goods	196.0	363.4	396.7	468.8	554.5	582.6	749.8	
390	Other Manufacturing Industries	155.5	265.6	243.4	227.3	220.6	233.0	198.7	
Total Manufacturing		10,702.3	21,606.8	23,449.9	24,909.0	28,287.2	31,453.9	35,442.3	
	Granite Quarrying	103.2	79.0	92.3	71.3	51.6	65.3	74.6	
Total		10,805.5	21,685.8	23,542.2	24,980.3	28,338.8	31,519.2	35,516.9	

Source : Economic Development Board (with effect from April 1987)

Notes : See notes to Table 8.3.

8.6 WORKERS IN MANUFACTURING BY INDUSTRY

Code	Industry	Number							
		1985	1990	1991	1992	1993	1994	1995	
311/2	Food	9,718	10,615	11,104	11,565	11,874	11,800	12,095	
313	Beverage	2,273	2,439	2,440	2,306	2,190	2,156	2,122	
314	Tobacco Products	753	731	816	753	762	843	800	
321	Textiles & Textile Manufactures	2,814	3,406	3,343	3,286	3,101	2,613	2,386	
322	Wearing Apparel except Footwear	24,782	27,694	25,915	23,434	20,856	18,242	15,652	
323	Leather & Leather Products	646	677	788	836	826	768	638	
324	Footwear	889	781	638	536	459	419	427	
331	Sawn Timber & Other Wood Products except Furniture	4,100	2,574	2,204	2,107	1,864	1,694	1,684	
332	Furniture & Fixtures except primarily of Metal, Stone & Plastics	7,045	6,521	6,463	6,310	6,344	5,964	5,451	
341	Paper & Paper Products	3,462	4,604	4,932	5,032	5,184	5,459	5,568	
342	Printing & Publishing	12,948	15,805	16,835	17,253	17,981	17,784	17,357	
351	Industrial Chemicals & Gases	3,279	4,750	4,814	4,862	5,275	5,635	6,091	
352	Paints, Pharmaceuticals & Other Chemical Products	4,485	5,168	5,282	5,506	5,444	5,923	6,367	
353/4	Petroleum Refineries & Petroleum Products	3,494	3,291	3,725	3,808	3,896	3,960	4,103	
355/6	Rubber Products, Jelutong & Gum Damar	1,181	1,611	1,760	1,691	1,760	1,867	2,007	
357	Plastic Products	8,706	13,881	15,505	15,644	16,919	17,436	18,779	
361/2	Pottery, China, Earthenware & Glass Products	347	798	880	899	968	955	1,336	
363	Structural Clay Products	549	305	293	294	300	278	281	
364	Cement	547	416	420	450	465	484	484	
365	Structural Cement & Concrete Products	4,367	2,160	2,260	2,234	2,836	3,083	3,148	
369	Non-metallic Mineral Products	1,384	1,475	1,332	1,741	1,470	1,491	1,554	

8.6 WORKERS IN MANUFACTURING BY INDUSTRY (continued)

Code	Industry	Number						
		1985	1990	1991	1992	1993	1994	1995
371	Iron & Steel	1,564	1,730	1,787	1,756	1,714	1,739	1,643
372	Non-ferrous Metals	490	815	824	788	696	807	813
381	Fabricated Metal Products except Machinery & Equipment	20,061	28,440	30,593	30,200	32,606	33,453	34,758
382	Machinery except Electrical & Electronic	18,470	24,189	24,113	25,958	25,400	27,907	29,916
383	Electrical Machinery, Apparatus, Appliances & Supplies	16,892	21,989	20,768	19,905	19,384	20,207	20,470
384	Electronic Products & Components	65,617	122,797	123,358	122,562	117,614	123,587	128,778
385	Transport Equipment	21,748	26,133	29,737	31,699	32,857	34,634	35,777
386	Instrumentation Equipment, Photographic & Optical Goods	5,119	8,263	8,577	8,841	8,298	8,899	9,789
390	Other Manufacturing Industries	5,780	7,616	6,768	6,138	5,832	5,501	5,264
	Total Manufacturing	253,510	351,674	358,274	358,394	355,175	365,588	375,538
	Granite Quarrying	776	224	270	258	192	141	163
	Total	254,286	351,898	358,544	358,652	355,367	365,729	375,701

Source : Economic Development Board (with effect from April 1987)

Notes : See notes to Table 8.3.

8.7 REMUNERATION IN MANUFACTURING BY INDUSTRY

Million Dollars

Code	Industry	1985	1990	1991	1992	1993	1994	1995
311/2	Food	159.0	206.9	235.6	256.7	280.2	296.4	325.8
313	Beverage	44.1	63.7	72.8	70.8	67.8	68.4	69.6
314	Tobacco Products	20.8	25.4	28.9	30.2	33.6	40.0	40.2
321	Textiles & Textile Manufactures	35.2	55.2	60.4	61.8	62.6	56.8	53.9
322	Wearing Apparel except Footwear	229.7	323.4	322.0	314.6	282.8	265.3	231.4
323	Leather & Leather Products	7.0	10.4	13.2	15.4	17.0	17.3	15.8
324	Footwear	8.0	9.1	8.4	8.9	8.0	8.6	9.1
331	Sawn Timber & Other Wood Products except Furniture	48.8	43.6	41.9	42.6	38.6	39.4	39.4
332	Furniture & Fixtures except primarily of Metal, Stone & Plastics	75.8	99.3	103.2	106.5	116.2	117.7	111.5
341	Paper & Paper Products	55.2	98.6	115.0	124.3	136.6	152.3	164.8
342	Printing & Publishing	236.4	378.9	462.6	487.7	532.7	579.3	618.1
351	Industrial Chemicals & Gases	100.4	195.3	213.5	227.2	265.2	287.8	326.4
352	Paints, Pharmaceuticals & Other Chemical Products	101.6	155.5	171.4	192.6	207.0	253.2	284.6
353/4	Petroleum Refineries & Petroleum Products	154.6	204.0	241.5	252.7	288.1	287.1	315.8
355/6	Rubber Products, Jelutong & Gum Damar	19.2	32.2	38.4	40.6	42.7	47.4	52.4
357	Plastic Products	105.4	229.9	270.6	301.7	366.3	399.1	449.0
361/2	Pottery, China, Earthenware & Glass Products	6.0	18.3	22.4	25.4	25.8	33.3	46.6
363	Structural Clay Products	9.3	6.2	6.4	7.5	8.0	9.0	9.5
364	Cement	12.2	13.3	17.8	21.5	24.8	27.5	29.4
365	Structural Cement & Concrete Products	75.3	40.6	49.8	54.6	65.5	76.6	81.4
369	Non-metallic Mineral Products	21.6	27.6	31.6	35.6	37.2	39.0	41.5

8.7 REMUNERATION IN MANUFACTURING BY INDUSTRY (continued)

Million Dollars

Code	Industry	1985	1990	1991	1992	1993	1994	1995
371	Iron & Steel	39.7	48.8	53.2	58.3	62.7	64.0	61.4
372	Non-ferrous Metals	8.7	21.1	23.0	25.6	22.9	27.1	29.1
381	Fabricated Metal Products except Machinery & Equipment	319.9	563.4	653.5	702.6	795.3	882.7	970.1
382	Machinery except Electrical & Electronic	379.1	569.3	630.7	736.9	768.2	866.3	998.8
383	Electrical Machinery, Apparatus Appliances & Supplies	252.4	368.0	409.1	428.4	478.5	519.2	557.1
384	Electronic Products & Components	959.9	2,160.1	2,325.9	2,539.5	2,657.4	2,986.3	3,270.0
385	Transport Equipment	446.4	630.4	730.1	902.6	984.5	1,071.4	1,160.4
386	Instrumentation Equipment, Photographic & Optical Goods	69.9	158.3	183.6	199.0	201.6	233.4	260.4
390	Other Manufacturing Industries	73.1	119.9	119.4	115.4	117.5	128.9	137.9
	Total Manufacturing	4,074.7	6,876.7	7,655.9	8,387.1	8,995.4	9,881.0	10,761.3
	Granite Quarrying	14.3	6.2	7.3	7.7	5.3	5.0	5.9
	Total	4,089.0	6,882.8	7,663.2	8,394.8	9,000.7	9,886.0	10,767.3

Source : Economic Development Board (with effect from April 1987)

Notes : See notes to Table 8.3.

8.8 VALUE OF OUTPUT OF SELECTED MANUFACTURED PRODUCTS

Million Dollars

Commodity	1984	1989	1990	1991	1992	1993	1994
Soft Drinks	157.5	254.8	267.5	277.7	309.6	303.8	315.4
Fabrics	108.6	164.7	154.3	150.4	135.7	140.9	146.0
Paints	137.8	238.8	267.0	309.8	355.3	339.0	381.6
Pharmaceutical Products	504.3	972.0	1,032.0	1,436.6	1,373.1	1,439.4	1,338.2
Aviation Kerosene	2,686.5	1,670.1	2,290.2	2,062.4	1,935.8	2,256.8	2,376.9
Diesel Oil	2,937.2	2,638.9	3,970.1	3,889.8	3,458.4	3,744.5	3,243.4
Fuel Oil	3,584.9	1,805.0	1,905.8	1,465.9	1,399.2	1,433.6	1,734.0
Lubricating Oil	606.5	532.1	523.3	601.0	632.5	629.0	642.3
Motor Spirit	826.6	918.8	1,278.5	1,177.6	1,134.0	1,210.5	1,216.7
Naphtha	1,085.4	562.8	717.3	865.0	925.1	944.3	784.4
Cement	280.0	173.4	231.3	333.6	374.1	426.8	454.8
Ready-mixed Concrete	359.9	238.6	316.9	434.2	497.1	587.0	700.7
Metal Stampings	146.1	405.9	530.1	598.6	564.4	739.3	936.1
Oil Rigs & Oilfield Equipment	706.9	583.0	780.1	985.6	843.3	766.4	842.3
Motors	136.7	426.6	388.1	416.4	366.4	384.7	441.8
Disk Drives	439.8	5,002.6	6,967.0	6,545.1	7,724.6	8,499.2	10,456.3
Telephones	na	714.6	587.9	528.9	401.2	283.0	330.5
Television Receivers	469.1	1,221.3	1,441.2	1,452.0	1,135.5	1,134.2	1,156.8
Radios (excluding Radio Cassette Recorders)	101.0	174.3	141.5	126.3	93.5	63.9	98.9
Cassette Recorders (with or without radio)	809.7	1,229.5	1,285.0	1,347.6	1,138.5	1,109.2	1,320.3
Capacitors	100.8	274.6	307.2	394.1	409.7	489.9	518.1
Shipbuilding & Repairing	1,240.3	2,030.4	2,405.4	2,567.7	2,447.6	2,255.8	2,551.6
Marine Engines & Parts	106.1	202.0	183.3	221.8	231.3	257.2	347.3
Jewellery	203.4	271.4	343.0	341.6	333.4	316.6	412.3
Toys	119.2	306.6	265.6	275.3	220.6	181.2	188.6

Source : Economic Development Board (with effect from April 1987)

8.9 INDEX OF INDUSTRIAL PRODUCTION (1992=100)

Code	Industry	1985	1990	1991	1992	1993	1994	1995
	Total Manufacturing excluding Rubber Processing	50.7	92.6	97.6	100.0	110.2	124.5	137.3
311/2	Food	76.0	92.3	97.3	100.0	103.8	103.0	104.1
313	Beverage	59.7	88.5	89.3	100.0	98.5	100.4	100.3
314	Cigarettes & Other Tobacco Products	31.3	79.6	88.6	100.0	103.2	144.7	143.6
321	Textiles & Textile Manufactures	84.2	101.9	109.3	100.0	88.3	84.9	61.6
322	Wearing Apparel except Footwear	80.7	110.7	110.2	100.0	79.4	68.4	56.7
323	Leather & Leather Products	122.8	106.8	87.0	100.0	104.8	98.7	91.2
324	Footwear	57.2	84.3	120.3	100.0	89.4	82.4	75.4
331	Sawn Timber & Other Wood Products except Furniture	173.0	116.9	99.3	100.0	92.7	85.7	83.2
332	Furniture & Fixtures except primarily of Metal, Stone & Plastics	85.2	93.2	98.8	100.0	109.7	123.7	101.9
341	Paper & Paper Products	62.6	108.6	113.3	100.0	100.6	107.1	116.1
342	Printing & Publishing	55.4	85.9	93.3	100.0	108.6	116.8	121.6
351	Industrial Chemicals & Gases	66.2	103.5	105.3	100.0	104.9	124.6	126.1
352	Paints, Pharmaceuticals & Other Chemical Products	48.9	83.3	109.1	100.0	103.2	106.7	107.2
353/4	Petroleum Refineries & Petroleum Products	70.3	96.0	99.2	100.0	114.7	117.4	114.5
356	Rubber Products except Footwear & Toys	117.8	95.2	108.0	100.0	104.3	116.7	133.5
357	Plastic Products	72.9	92.8	102.5	100.0	107.4	119.7	131.2
361/2	Pottery, China, Earthenware & Glass Products	104.5	81.9	86.6	100.0	103.5	107.0	161.8

8.9

INDEX OF INDUSTRIAL PRODUCTION (continued) (1992=100)

Code	Industry	1985	1990	1991	1992	1993	1994	1995
363	Bricks, Tiles & Other Structural Clay Products	78.4	67.4	80.8	100.0	85.6	87.9	86.4
364	Cement	76.4	68.9	87.9	100.0	124.9	129.7	130.2
365	Structural Cement & Concrete Products	93.8	79.1	93.7	100.0	125.7	133.8	144.7
369	Non-metallic Mineral Products	40.1	91.2	91.0	100.0	104.5	99.6	106.8
371	Iron & Steel	82.1	101.9	96.9	100.0	109.9	108.4	98.8
372	Non-ferrous Metals	81.8	86.4	89.5	100.0	95.6	105.5	94.9
381	Fabricated Metal Products except Machinery & Equipment	61.9	93.9	94.6	100.0	104.0	116.0	134.3
382	Machinery except Electrical & Electronic	57.4	89.3	100.8	100.0	94.7	114.7	128.7
383	Electrical Machinery, Apparatus, Appliances & Supplies	50.4	91.6	99.9	100.0	103.6	114.7	120.2
384	Electronic Products & Components	34.4	91.9	91.9	100.0	122.8	149.4	178.1
385	Transport Equipment	49.5	95.6	100.2	100.0	99.2	106.1	107.8
386	Instrumentation Equipment, Photographic & Optical Goods	41.4	71.6	95.3	100.0	112.6	115.3	156.1
390	Other Manufacturing Industries	81.7	127.0	125.3	100.0	84.2	83.8	61.9

Source : Economic Development Board (with effect from April 1987)

8.10

INDICES OF UNIT BUSINESS COST AND UNIT LABOUR COST (1988=100)

	Weights ¹	1985	1990	1991	1992	1993	1994	1995
Unit Business Cost of Manufacturing								
Total	100.0	114.5	113.0	118.6	122.2	121.0	120.3	124.3
Unit Labour Cost	49.4	119.6	118.7	126.3	134.2	130.0	126.1	127.2
Services Cost	48.3	107.8	106.4	109.1	108.2	110.1	112.3	118.3
Government Rates & Fees	2.3	132.6	129.0	149.8	159.5	158.3	161.5	186.7
Unit Labour Cost of Overall Economy		113.4	115.7	123.1	127.7	129.5	132.7	136.3

1 The unit business cost indices prior to 1988 are based on the 1983 input structure and those from 1988 onwards are based on the 1988 input structure.

8.11

PRINCIPAL STATISTICS OF PIONEER MANUFACTURING ESTABLISHMENTS (End of Period)

	Unit	1984	1989	1990	1991	1992	1993	1994
Establishments	No	448	398	415	432	420	421	410
Workers	No	121,269	158,084	166,078	170,584	166,724	162,341	166,042
Materials	\$m	16,392	24,169	28,230	29,295	30,010	36,315	43,140
Output	\$m	24,237	37,764	43,435	46,077	47,330	56,334	65,415
Census Value Added	\$m	6,361	12,032	13,470	14,922	15,365	17,921	19,653
Remuneration	\$m	1,855	2,842	3,308	3,733	3,989	4,271	4,612
Paid - up Capital	\$m	2,805	6,342	6,191	6,756	7,089	8,155	9,752
Gross Fixed Assets	\$m	10,233	18,151	20,308	22,395	24,661	27,389	29,758
Direct Exports	\$m	17,736	30,023	33,828	33,863	33,531	39,461	45,871
Value Added Per Worker	\$ '000	52	76	81	87	92	110	118

Source : Economic Development Board (with effect from April 1987)

8.12

PRINCIPAL STATISTICS OF PIONEER MANUFACTURING ESTABLISHMENTS BY INDUSTRY, DECEMBER 1994

Industry	Establish- ments	Workers	Materials	Output	Census Value Added
	Number		Million Dollars		
Total	410	166,042	43,140	65,415	19,653
Food & Beverages	9	1,012	229	389	147
Textiles & Garments	8	1,515	42	92	42
Printing & Paper Products	5	813	40	120	69
Industrial Chemicals & Gases	27	3,166	1,315	2,234	793
Chemical Products	18	2,223	298	1,529	1,213
Petroleum & Petroleum Products	5	2,822	6,227	8,169	1,672
Rubber Products	4	663	23	56	30
Plastic Products	16	2,264	135	332	147
Non-metallic Mineral Products	9	1,640	190	426	204
Basic Metal Industries	7	1,638	350	555	156
Fabricated Metal Products	50	7,796	753	1,459	619
Non-electrical Machinery	63	10,089	763	1,635	771
Electrical Machinery	28	11,736	877	1,676	679
Electronic Products	105	103,655	30,973	44,221	11,875
Transport Equipment	20	7,042	422	1,409	678
Instrumentation Equipment	24	6,810	427	959	499
Miscellaneous	12	1,158	77	152	59

Industry	Remun- eration	Paid-up Capital	Gross Fixed Assets	Direct Exports	Value Added Per Worker
	Million Dollars				\$ ' 000
Total	4,612	9,752	29,758	45,871	118
Food & Beverages	35	97	257	235	145
Textiles & Garments	24	75	98	72	28
Printing & Paper Products	26	10	131	94	85
Industrial Chemicals & Gases	177	1,144	3,309	1,531	250
Chemical Products	103	347	712	1,398	546
Petroleum & Petroleum Products	221	329	8,064	366	593
Rubber Products	18	46	86	48	45
Plastic Products	57	48	309	127	65
Non-metallic Mineral Products	54	169	412	157	124
Basic Metal Industries	63	332	503	156	95
Fabricated Metal Products	230	394	1,128	741	79
Non-electrical Machinery	323	306	1,475	1,174	76
Electrical Machinery	281	273	1,227	1,235	58
Electronic Products	2,538	5,648	10,063	36,299	115
Transport Equipment	256	363	1,112	1,228	96
Instrumentation Equipment	179	104	679	894	73
Miscellaneous	26	68	195	114	51

Source : Economic Development Board (with effect from April 1987)

8.13 NET INVESTMENT COMMITMENTS IN MANUFACTURING BY INDUSTRY

Million Dollars

Industry	1985	1990	1991	1992	1993	1994	1995
Total	1,120.4	2,487.4	2,934.0	3,481.0	3,922.6	5,764.6	6,809.1
Food & Beverages	55.5	43.8	39.8	76.5	92.9	36.3	103.7
Textiles	3.2	2.8	11.2	5.2	-	-	3.3
Wearing Apparel	0.7	0.2	5.7	10.0	2.4	-	-
Leather & Rubber	4.9	10.0	4.4	2.8	1.7	2.6	26.5
Wood Products	21.3	8.6	2.8	4.6	24.7	-	4.0
Paper Products & Printing	32.3	76.2	109.4	89.5	92.2	268.4	140.6
Industrial Chemicals	34.5	265.9	322.0	294.3	783.5	1,192.8	1,325.2
Other Chemical Products	18.2	35.0	243.4	248.4	340.4	113.9	247.4
Petroleum	190.0	381.0	99.5	454.2	84.6	1,180.3	1,186.4
Plastic Products	19.4	8.9	87.2	110.8	48.3	26.9	28.7
Non-metallic Mineral Products	88.4	9.0	47.9	63.1	126.1	206.8	43.1
Basic Metals	2.9	-	2.8	34.3	69.4	6.6	63.8
Fabricated Metal Products	39.5	103.1	127.1	152.5	147.9	324.5	318.2
Machinery except Electrical	125.0	186.2	376.5	343.7	330.8	276.5	347.2
Electrical Machinery & Appliances	76.0	98.5	17.0	17.9	93.6	28.8	50.3
Electronic Products & Components	300.1	1,098.6	1,243.4	1,257.3	1,227.4	1,513.4	2,536.6
Transport Equipment	88.3	114.1	124.3	167.1	341.2	555.4	300.0
Precision Equipment	2.0	21.1	34.0	138.3	113.7	19.6	67.0
Other Products	3.5	-	35.7	10.5	1.8	11.9	17.1
Servicing / Engineering	14.8	24.3	-	-	-	-	-

Source: Economic Development Board

Note: Net investment commitments refer to gross commitments less projects withdrawn or uncertain as at 31 December 1995.

8.14 NET INVESTMENT COMMITMENTS IN MANUFACTURING BY COUNTRY OF ORIGIN

Million Dollars

Country	1985	1990	1991	1992	1993	1994	1995
Total	1,120.4	2,487.4	2,934.0	3,481.0	3,922.6	5,764.6	6,809.1
Local	232.4	269.5	472.9	748.0	745.5	1,437.2	1,956.7
Foreign	888.0	2,217.9	2,461.1	2,733.0	3,177.1	4,327.4	4,852.4
United States	427.3	1,054.8	969.2	1,201.4	1,452.2	2,451.7	2,075.8
Japan	244.1	708.2	713.2	858.0	779.4	913.8	1,152.5
Europe	201.0	435.3	684.2	618.7	881.9	907.0	1,526.2
European Community (EC)	180.9	402.6	624.0	555.7	806.2	893.0	1,510.8
United Kingdom	69.4	89.9	186.5	305.5	357.8	525.1	771.6
Netherlands	75.2	72.6	216.2	43.1	7.7	175.6	391.4
Germany	20.1	165.7	60.2	106.4	204.6	91.8	183.9
France	15.1	60.4	75.2	34.1	124.9	54.0	140.5
Italy	-	-	70.1	26.7	43.3	38.9	12.8
Other EC Countries	1.1	14.0	15.8	39.9	67.9	7.6	10.6
Switzerland	4.7	32.7	12.6	63.1	66.3	11.4	13.2
Other European Countries	15.4	-	47.6	-	9.5	2.7	2.2
Others	15.6	19.6	94.5	55.0	63.5	54.9	97.8

Source: Economic Development Board

1991	1990	1989	1988	1987	1986	1985
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Power supply purchases and sells electronic supply and provides one-stop purchased service for consumers of electricity gas and water.

Water

Singapore is one of the few countries where clean, wholesome water can be drawn straight from the tap. Water is provided to all the main island of Singapore and to major offshore islands.

The Republic's water supply comes from both local sources as well as from abroad. The water supply system consists of 19 raw water reservoirs, 14 service reservoirs and 9 water treatment plants. After purification and treatment at the 9 treatment plants, water is pumped into service reservoirs for storage and into the distribution network which consists of about 4,300 kilometres of pipelines for supply to customers.

Daily chemical and bacteriological tests ensure that the quality of water is well within the Guidelines for Drinking Water Quality set by the World Health Organisation.

Gas is produced in PowerGen, gas turbines 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 island in Kallang and Queenstown and used to supplement the supply during peak demand periods. There is a total of 1,170 kilometres of gas mains in Kallang. Gasworks will be replaced by a new gasworks at Seletar. The Seletar Gasworks will be completed by end 1996. It will have a total installed gas production capacity of 1.8 million cubic metres per day.

The Public Utilities Board (PUB) was reorganised into three organisations - Public Utilities Board, Singapore Power Pte Ltd and Singapore Gas Pte Ltd in 1992. Still a statutory board, the Public Utilities Board now encompasses mainly the Water and Regulation Departments. Its electricity and gas operations were taken over by Singapore Power Pte Ltd which has five main subsidiary companies - PowerGen (Solely), Pro (Solely), PowerGen Pte Ltd, PowerGen Pte Ltd, PowerGen Pte Ltd and PowerGen Pte Ltd.

The Regulation Department of PUB is responsible for licensing and regulating the private electricity and piped gas industries in Singapore, ensuring that the public continues to enjoy a reliable and efficient electricity and piped gas supply at affordable and fair prices. It undertakes the regulatory and regulatory functions related to the sale of electricity and piped gas and educates the public on the importance of energy conservation.

Electricity

Electricity was first made available to the public in 1906. Today, electricity is generated by PowerGen (Solely) and PowerGen (Solely) which operate 4 power stations. The total installed generating capacity is 4,313 megawatts (MW). A network of 230 kilovolts (kV) and 66kV and 11kV cables maintained by PowerGen's transmission and distribution system delivers electricity to the power stations. The network now consists of about 20,265 kilometres of cable routes, 32,532 megawatts of transformer capacity and 6,880 substations.

9 UTILITIES

The Public Utilities Board (PUB) was restructured into three organisations - Public Utilities Board, Singapore Power Pte Ltd and Tuas Power Pte Ltd - on 1 Oct 1995. Still a statutory board, the Public Utilities Board now comprises mainly the Water and Regulation Departments. Its electricity and gas operations were taken over by Singapore Power Pte Ltd which has five main subsidiary companies - PowerGen (Senoko) Pte Ltd, PowerGen (Seraya) Pte Ltd, PowerGrid Pte Ltd, Power Supply Pte Ltd and PowerGas Pte Ltd.

The Regulation Department of PUB is responsible for licensing and regulating the privatised electricity and piped gas industries in Singapore, ensuring that the people of Singapore continue to enjoy a reliable and efficient electricity and piped gas supply at affordable and fair prices. It undertakes the inspectorate and regulatory functions related to the safe use of electricity and piped gas and educates the public on the importance of energy conservation.

Electricity

Electricity was first made available to the Republic in 1906. Today, electricity is generated by PowerGen (Senoko) and PowerGen (Seraya) which operate 4 power stations. The total installed generating capacity is 4,513 megawatts (MW).

A network of 230 kilovolt (kV), 66kV, 22kV, 6.6kV and 0.4 kV cables interlinked by transformers at substations forms PowerGrid's transmission and distribution system whereby electricity is supplied from the power stations to the customers. The network now consists of about 20,265 kilometres of cable circuits, 32,532 megavolt-amperes of transformer capacity and 6,880 substations.

Power Supply purchases and sells electricity supply and provides one-stop computerised service for consumers of electricity, gas and water.

Water

Singapore is one of the few countries where clean, wholesome water can be drunk straight from the tap. Water is provided to all parts of the main island of Singapore and to major offshore islands.

The Republic's water supply comes from both local sources as well as from Johor. Our water supply system consists of 19 raw water reservoirs, 14 services reservoirs and 9 water treatment plants. After purification and treatment at the 9 treatment plants, water is pumped into service reservoirs for storage and into the distribution network, which consists of about 4,500 kilometres of pipelines, for supply to customers.

Daily chemical and bacteriological tests ensure that the quality of water is well within the Guidelines for Drinking Water Quality set by the World Health Organisation.

Gas

Gas is produced in PowerGas' 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 peak demand periods. There is a total of 2,270 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.

9.1 ELECTRICITY GENERATION AND SALES AND GAS SALES

	1985	1990	1991	1992	1993	1994	1995
Electricity							
Generation (mkh)	9,917.0	15,617.6	16,596.6	17,543.3	18,962.4	20,675.6	22,057.4
Sales (mkh)	8,871.2	14,194.3	15,088.9	15,948.0	17,194.1	18,901.3	20,239.5
Domestic	1,461.8	2,392.0	2,657.8	2,888.4	3,124.4	3,466.0	3,833.3
Manufacturing	4,018.6	6,738.9	7,079.2	7,305.0	7,792.9	8,528.2	8,911.8
Other Industries	3,340.4	5,063.4	5,351.9	5,754.6	6,225.0	6,816.5	7,494.4
Export	50.4	-	-	-	51.8	90.6	-
Gas Sales							
Piped (mkhe)	508.7	767.4	852.9	919.3	998.3	1,045.7	1,083.9
LP (Nett Tonnes)	na	na	na	na	na	144,395.9	142,698.0

Source : Department of Statistics

PowerGrid Pte Ltd

PowerGas Pte Ltd

mkh = million kilowatt hours

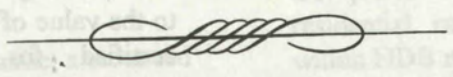
mkhe= million kilowatt hours equivalent

9.2 WATER TREATMENT AND SALES

	Thousand Cubic Metres						
	1985	1990	1991	1992	1993	1994	1995
Treatment	366,214.8	415,128.4	434,066.7	451,126.1	465,428.8	487,385.4	501,932.1
Sales	322,677.8	374,222.5	399,013.2	419,565.6	433,940.5	455,866.2	468,972.0
Domestic	141,706.5	177,343.3	187,659.2	197,368.7	205,251.1	215,840.5	217,889.1
Shipping	2,161.5	2,914.4	3,069.2	3,010.4	2,982.0	3,471.1	3,014.8
Commerce & Industry	89,406.7	113,148.6	117,811.5	125,197.1	134,375.3	145,983.9	152,625.5
Government & Statutory Boards	32,667.9	29,391.8	26,628.2	27,718.9	28,130.5	29,617.6	29,941.3
Johore	56,735.2	51,424.5	63,845.1	66,270.5	63,201.6	60,953.1	65,501.3

Source : Public Utilities Board

CONSTRUCTION AND REAL ESTATE



Other References

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 Sector, URA. Details on contracts awarded and progress payments certified may be obtained from the "Construction Forum" and "Construction Economics Report" published by the CIDB.

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

Construction and Real Estate Statistics and Indicators
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 the date when the building is ready for occupation. It is determined by the Building Control Division, PWD. For the private sector, it refers to the date when the building is ready for occupation. It is determined by the Building Control Division, PWD. For the public sector, it refers to the date when the building is ready for occupation. It is determined by the Building Control Division, PWD.
Building Plan Approval (Private Sector Only) : Refers to the permission granted to building plans and specifications submitted in accordance with the 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 the date when the building is ready for occupation. It is determined by the Building Control Division, PWD. For the private sector, it refers to the date when the building is ready for occupation. It is determined by the Building Control Division, PWD. For the public sector, it refers to the date when the building is ready for occupation. It is determined by the Building Control Division, PWD.

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 the Development Control Division, Urban the 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 the 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.

Other References

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.

10 CONSTRUCTION AND REAL ESTATE (cont'd)

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 eighth five-year building programme (1996-2000). Some 26,185 flats were completed in 1995 to meet the demand for public housing. HDB will be building 24,000 to 29,000 new flats a year over the next two years

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 were completed in 1995. As at December 1995, seven batches under the Steady State Phase, comprising 39 precincts, have been announced. Batches 1, 2, and 3 are already under construction and are expected to be completed in 1997-1998.

The Sale of Tenanted Shops Programme was implemented in July 1992 to encourage shopkeepers to invest and upgrade their operations. The sales programme has received very good response from tenants. In all, about 6,000 shops have been sold over the last three years.

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, 45 land parcels in HDB towns were sold for residential development between 1989 and 1995. During the same period, 28 parcels of land were sold for commercial development.

10.1 PLANNING APPROVALS BY TYPE OF DEVELOPMENT IN THE PUBLIC SECTOR

Type of Development	1985	1990	1991	1992	1993	1994	1995
Number							
Total	128	76	86	94	102	118	144
Residential	21	21	21	39	37	39	57
Commercial	4	8	5	9	6	5	10
Industrial	1	7	14	12	9	11	14
Others	102	40	46	34	50	63	63
Gross Floor Area (Thousand Square Metres)							
Total	6,087	2,749	3,284	5,802	4,190	5,244	7,801
Residential	5,228	2,211	2,416	4,744	3,526	4,562	6,746
Commercial	131	61	21	119	78	17	26
Industrial	309	105	382	436	144	153	495
Others	420	373	465	504	442	513	535

Source : Urban Redevelopment Authority (with effect from September 1989)

Note : Figures refer to erections of new buildings only.

10.2 PLANNING APPROVALS BY TYPE OF DEVELOPMENT IN THE PRIVATE SECTOR

Type of Development	1985	1990	1991	1992	1993	1994	1995
Number							
Total	468	797	695	830	842	991	1,460
Residential	290	569	504	636	645	760	1,178
Commercial	28	44	47	53	52	73	82
Industrial	110	151	131	121	97	126	153
Others	40	33	13	20	48	32	47
Gross Floor Area (Thousand Square Metres)							
Total	1,569	3,518	3,894	3,756	3,971	4,318	4,949
Residential	635	1,582	1,379	2,358	1,875	2,359	2,699
Commercial	272	678	1,401	346	697	721	494
Industrial	578	999	1,077	1,018	936	1,145	1,484
Others	85	259	37	35	464	93	272

Source : Urban Redevelopment Authority (with effect from September 1989)

Note : Figures refer to erections of new buildings only.

10.3

COMMENCEMENT OF BUILDING CONSTRUCTION BY TYPE OF DEVELOPMENT IN THE PUBLIC SECTOR

Type of Development	1985	1990	1991	1992	1993	1994	1995
Number							
Total	195	121	137	136	119	130	116
Residential	89	44	64	75	62	58	57
Commercial	9	4	9	15	8	6	6
Industrial	-	19	13	7	15	20	7
Others	97	54	51	39	34	46	46
Gross Floor Area (Thousand Square Metres)							
Total	5,070	4,073	5,121	5,727	5,046	4,849	6,859
Residential	4,462	3,126	3,877	4,702	4,492	4,210	5,552
Commercial	129	14	107	125	66	28	48
Industrial	-	416	534	114	181	294	507
Others	478	516	603	786	308	318	752

Source : Urban Redevelopment Authority (with effect from September 1989)

Note : Figures refer to erections of new buildings only.

10.4

COMMENCEMENT OF BUILDING CONSTRUCTION BY TYPE OF DEVELOPMENT IN THE PRIVATE SECTOR

Type of Development	1985	1990	1991	1992	1993	1994	1995
Number							
Total	383	685	647	687	859	1,044	1,254
Residential	244	461	443	502	653	767	921
Commercial	27	53	42	59	48	90	98
Industrial	81	142	139	108	118	143	199
Others	31	29	23	18	40	44	36
Gross Floor Area (Thousand Square Metres)							
Total	993	2,993	3,111	3,100	3,994	4,648	4,956
Residential	483	852	1,313	1,782	2,184	2,550	2,382
Commercial	216	1,177	666	424	279	607	494
Industrial	244	849	938	786	1,421	1,305	1,980
Others	50	116	195	108	109	186	100

Source : Urban Redevelopment Authority (with effect from September 1989)

Note : Figures refer to erections of new buildings only.

10.5 PUBLIC SECTOR CONSTRUCTION PROJECTS COMPLETED BY TYPE OF DEVELOPMENT

Type of Development	1985	1990	1991	1992	1993	1994	1995
Number							
Total	247	99	97	98	99	94	142
Residential	136	31	25	51	39	48	63
Commercial	9	7	6	5	5	8	11
Industrial	11	7	15	9	9	12	23
Others	91	54	51	33	46	26	45
Gross Floor Area (Thousand Square Metres)							
Total	8,530	2,573	2,250	3,979	3,397	3,428	4,698
Residential	7,512	1,670	1,679	3,340	2,541	2,655	3,867
Commercial	272	35	82	50	17	97	84
Industrial	348	92	270	171	259	331	260
Others	399	776	218	418	580	346	486

Source : Urban Redevelopment Authority (with effect from September 1989)

Note : Figures refer to erections of new buildings only.

10.6 PRIVATE SECTOR CONSTRUCTION PROJECTS COMPLETED BY TYPE OF DEVELOPMENT

Type of Development	1985	1990	1991	1992	1993	1994	1995
Number							
Total	631	612	621	593	630	747	841
Residential	417	413	417	391	445	561	611
Commercial	39	39	32	43	50	43	51
Industrial	137	132	155	133	109	112	135
Others	38	28	17	26	26	31	44
Gross Floor Area (Thousand Square Metres)							
Total	2,799	2,146	2,013	2,602	3,109	2,784	3,495
Residential	1,687	959	878	876	1,409	1,344	1,226
Commercial	453	361	257	619	878	479	794
Industrial	595	768	840	905	691	786	1,314
Others	65	57	39	202	131	175	161

Source : Urban Redevelopment Authority (with effect from September 1989)

Note : Figures refer to erections of new buildings only.

10.7 BUILDING PLAN APPROVALS BY TYPE OF DEVELOPMENT IN THE PRIVATE SECTOR

Type of Development	1985	1990	1991	1992	1993	1994	1995
Number							
Total	535	690	641	623	716	970	1,240
Residential	347	459	431	448	533	755	972
Commercial	31	42	54	56	52	60	93
Industrial	116	157	129	110	99	114	136
Others	41	32	27	9	32	41	39
Gross Floor Area (Thousand Square Metres)							
Total	1,867	2,494	3,552	2,888	3,157	4,101	4,106
Residential	854	1,164	1,031	1,365	1,762	2,392	2,256
Commercial	575	508	1,460	674	491	367	559
Industrial	380	637	939	769	808	1,196	1,167
Others	59	186	122	81	96	146	125

Source : Urban Redevelopment Authority (with effect from September 1989)
Note : Figures refer to erections of new buildings only.

10.8

RESIDENTIAL UNITS IN THE PUBLIC SECTOR BY TYPE OF BUILDING AND STAGE OF DEVELOPMENT

Type of Building	Number						
	1985	1990	1991	1992	1993	1994	1995
Planning Approval Stage							
Total	33,339	11,849	12,361	24,776	19,207	30,002	44,728
Detached	-	-	-	-	-	-	-
Terrace	-	-	-	-	-	-	-
Flats	33,319	11,849	12,361	24,776	19,207	30,002	44,728
Others	20	-	-	-	-	-	-
Building Commencement Stage							
Total	31,854	16,146	20,136	24,951	25,626	27,603	31,745
Detached	-	-	-	-	-	-	-
Terrace	-	4	-	-	-	-	-
Flats	31,834	16,142	20,136	24,951	25,626	27,603	31,745
Others	20	-	-	-	-	-	-
Building Completion Stage							
Total	59,633	10,562	10,348	18,165	12,978	17,932	24,564
Detached	-	-	-	-	-	-	-
Terrace	-	-	-	4	-	-	-
Flats	59,633	10,562	10,348	18,161	12,978	17,932	24,564
Others	-	-	-	-	-	-	-

Source : Urban Redevelopment Authority (with effect from September 1989).

Note : Figures refer to erections of residential units only.

They do not include additions or alterations.

10.9

RESIDENTIAL UNITS IN THE PRIVATE SECTOR BY TYPE OF BUILDING AND STAGE OF DEVELOPMENT

Type of Building	Number						
	1985	1990	1991	1992	1993	1994	1995
Planning Approval Stage							
Total	2,535	6,538	5,566	10,512	10,073	13,983	15,363
Detached	174	191	175	244	279	384	665
Semi-detached	192	312	276	594	505	938	1,191
Terrace	384	1,012	721	834	533	1,724	1,728
Flats	)	1,486	1,231	2,330	2,797	2,579	4,833
Condominium	)	1,785	3,537	3,163	6,510	8,358	6,946
Others	-	-	-	-	-	-	-
Building Plan Approval Stage							
Total	3,777	4,570	4,327	6,714	9,266	13,316	12,823
Detached	165	156	149	167	211	351	566
Semi-detached	528	368	251	397	433	683	1,098
Terrace	824	1,359	759	869	328	1,485	1,354
Flats	)	1,306	959	1,231	2,459	1,646	3,971
Condominium	)	2,259	1,381	2,209	4,050	9,151	5,834
Others	1	-	-	-	-	-	-
Building Commencement Stage							
Total	2,107	3,346	6,616	8,411	10,640	14,287	13,890
Detached	107	155	154	200	290	426	509
Semi-detached	420	387	261	375	532	1,066	872
Terrace	544	744	810	573	1,018	1,624	1,602
Flats	)	1,270	1,325	1,260	2,011	2,574	5,037
Condominium	)	1,035	790	4,066	6,003	8,597	5,870
Others	1	-	-	-	-	-	-
Building Completion Stage							
Total	7,388	3,647	3,520	3,595	5,920	7,027	6,725
Detached	179	168	145	121	157	216	257
Semi-detached	377	348	347	282	528	394	605
Terrace	674	1,227	1,426	869	1,278	699	683
Flats	)	675	868	793	1,479	1,017	1,261
Condominium	)	6,150	1,229	734	1,530	4,701	3,919
Others	8	-	-	-	-	-	-

Source : Urban Redevelopment Authority (with effect from September 1989)

Note Figures refer to erections of residential units only.

They do not include additions or alterations.

10.10

CONTRACTS AWARDED BY SECTOR AND TYPE OF WORK

Million Dollars

Type of Work	1985	1990	1991	1992	1993	1994	1995
All Sectors							
Total	4,836	8,034	7,874	12,832	10,587	12,021	15,644
Building Work	2,872	6,839	6,598	11,038	8,689	11,030	12,871
Residential	1,673	2,695	2,685	5,172	4,639	6,125	7,547
Commercial	224	2,051	1,774	3,476	1,264	1,486	1,243
Industrial	161	1,005	1,221	1,542	1,434	1,891	1,957
Others	815	1,089	918	848	1,352	1,528	2,124
Civil Engineering Work	1,965	1,195	1,276	1,795	1,898	992	2,773
Private Sector							
Total	684	4,338	4,020	6,771	4,376	6,450	6,790
Building Work	684	4,275	4,005	6,692	4,312	6,311	6,710
Residential	354	1,241	1,147	1,968	1,812	3,127	3,544
Commercial	121	1,931	1,715	3,237	999	1,317	1,133
Industrial	152	767	1,024	1,346	1,205	1,557	1,495
Others	57	337	119	141	296	311	538
Civil Engineering Work	-	62	15	79	64	139	80
Public Sector							
Total	4,152	3,697	3,854	6,061	6,211	5,571	8,855
Building Work	2,188	2,564	2,593	4,346	4,377	4,718	6,161
Residential	1,319	1,454	1,538	3,204	2,827	2,998	4,003
Commercial	103	120	59	239	265	169	110
Industrial	9	238	197	196	229	334	462
Others	758	752	799	707	1,056	1,217	1,586
Civil Engineering Work	1,965	1,133	1,261	1,716	1,834	853	2,693

Source : Construction Industry Development Board (with effect from October 1993)

10.11

PROGRESS PAYMENTS CERTIFIED BY SECTOR AND TYPE OF WORK

Type of Work	Million Dollars						
	1985	1990	1991	1992	1993	1994	1995
All Sectors							
Total	6,648	4,916	6,820	8,871	9,555	11,332	11,894
Building Work	5,271	3,950	5,540	7,346	8,230	9,459	10,105
Residential	2,833	1,674	2,277	3,107	4,147	4,531	4,873
Commercial	1,171	788	1,305	2,011	1,814	1,972	1,884
Industrial	389	891	1,140	1,349	1,202	1,316	1,986
Others	878	598	818	879	1,067	1,640	1,362
Civil Engineering Work	1,376	967	1,281	1,526	1,325	1,873	1,788
Private Sector							
Total	2,336	2,400	3,439	4,602	4,525	5,461	6,097
Building Work	2,336	2,326	3,337	4,506	4,443	5,312	5,949
Residential	956	822	980	1,244	1,475	1,852	2,386
Commercial	975	708	1,221	1,909	1,673	1,837	1,673
Industrial	349	691	953	1,137	1,019	1,118	1,666
Others	56	106	182	215	276	505	224
Civil Engineering Work	-	75	102	97	82	149	147
Public Sector							
Total	4,312	2,516	3,381	4,269	5,030	5,871	5,797
Building Work	2,935	1,624	2,203	2,840	3,787	4,147	4,156
Residential	1,877	852	1,297	1,863	2,672	2,679	2,487
Commercial	196	80	84	102	141	135	211
Industrial	40	200	187	212	183	198	320
Others	822	492	636	664	791	1,135	1,138
Civil Engineering Work	1,376	892	1,179	1,429	1,243	1,724	1,641

Source : Construction Industry Development Board (with effect from October 1993)

10.12

PROPERTIES UNDER THE MANAGEMENT OF HOUSING AND DEVELOPMENT BOARD (End of Period)

	1985	1990	1991	1992	1993	1994	1995
Residential	551,767	623,821	626,313	641,016	655,487	676,558	700,060
1-room	60,105	28,697	28,125	27,470	27,446	26,769	25,930
2-room	48,566	42,206	38,445	36,671	36,682	36,127	35,165
3-room	242,878	252,044	248,358	247,030	244,824	242,128	241,085
4-room	139,136	202,046	207,773	211,455	215,467	224,417	236,798
5-room	45,097	71,754	74,714	83,213	90,431	100,899	111,664
Executive ¹	8,266	21,602	23,426	29,713	35,173	40,754	44,100
HUDC ²	7,719	5,472	5,472	5,464	5,464	5,464	5,318
Shops ³	25,175	30,473	30,594	30,691	30,697	30,914	30,527

Source : Housing & Development Board

1 From 1987, figures include multi-generation flats.

2 From 1989, figures include landed properties.

3 Include industrial units. From 1992, figures exclude 97 sold industrial units.

10.13

RESIDENTIAL UNITS CONSTRUCTED AND SOLD BY HOUSING AND DEVELOPMENT BOARD

	1985	1990	1991	1992	1993	1994	1995
Flats Constructed ¹ (No)	46,370	13,739	10,452	18,482	17,888	25,987	26,185
Flats Sold Under 'Home Ownership Scheme' ² (No)	34,856	13,692	15,002	19,188	19,030	23,769	27,270
Percentage of Population Living in Public Flats ³ (End of Period)	84	87	87	87	87	86	86

Source : Housing & Development Board

1 Figures for 1985 and 1986 include middle-income housing units completed by the Urban Redevelopment Authority and that for 1992 excludes 96 units due to reclassification.

2 Flats are considered 'sold' only when keys are issued to the applicants. From 1989, figures include HUDC units. Figure for 1994 excludes 243 repurchased flats.

3 From 1990 onwards, data refer to resident population.

10.14

STOCK OF PRIVATE PROPERTIES (End of Period)

Type of Property	1985	1990	1991	1992	1993	1994	1995
Private Residential Units ¹ (No)	38,897	58,157	61,948	66,330	71,299	78,012	129,106
Landed	11,780	18,226	20,249	21,680	23,371	24,583	59,796
Non-Landed	27,117	39,931	41,699	44,650	47,928	53,429	69,310
Office Space ² ('000 sq m)	2,712	3,510	3,649	3,850	4,384	4,579	4,857
Private Sector	1,821	2,374	2,480	2,781	3,316	3,494	3,798
Public Sector	891	1,136	1,169	1,069	1,068	1,085	1,059
Shop Space ² ('000 sq m)	1,291	1,584	1,613	1,677	2,844	2,887	2,944
Private Sector	721	893	916	963	1,743	1,750	1,789
Public Sector	569	691	697	714	1,101	1,137	1,155
Factory Space ² ('000 sq m)	na	13,264	13,872	14,714	15,929	16,647	18,002
Private Sector	na	8,904	9,317	10,014	11,061	11,642	12,819
Public Sector	na	4,360	4,555	4,700	4,868	5,005	5,183
Warehouse Space ² ('000 sq m)	na	2,551	2,780	2,992	3,128	3,404	3,641
Private Sector	na	2,017	2,190	2,402	2,538	2,693	2,984
Public Sector	na	534	590	590	590	711	657

Source : Urban Redevelopment Authority

1 From 1995, coverage has been expanded to include another 44,891 private housing units built before 1974.

Prior to this, only housing units completed after 1973 were surveyed.

2 Refer to nett floor area.

10.15

OCCUPANCY RATE OF PRIVATE PROPERTIES (End of Period)

Type of Property								Per Cent
	1985	1990	1991	1992	1993	1994	1995	
Private Residential Units ¹	82.3	93.4	93.6	92.6	92.9	93.0	94.3	
Landed	na	na	93.2	94.6	94.6	94.6	95.1	
Non-Landed	na	na	93.8	91.7	92.1	92.2	93.6	
Office Space ²	83.3	91.2	91.4	88.7	90.1	92.4	91.0	
Private Sector	81.8	91.7	91.1	87.5	89.4	92.0	90.2	
Public Sector	86.3	90.1	92.1	91.7	92.6	93.5	93.8	
Shop Space ²	84.0	90.8	92.2	94.0	92.7	92.7	93.0	
Private Sector	81.7	90.6	90.1	91.5	89.6	89.7	90.4	
Public Sector	87.0	91.2	95.0	97.5	97.5	97.3	97.1	
Factory Space ²	na	96.1	97.0	96.7	96.9	97.3	97.4	
Private Sector	na	95.6	96.7	96.4	97.0	96.8	97.2	
Public Sector	na	97.2	97.6	97.4	96.7	98.4	97.9	
Warehouse Space ²	na	94.8	94.3	94.6	94.5	94.6	95.5	
Private Sector	na	94.8	94.1	94.0	94.2	94.3	95.2	
Public Sector	na	94.9	95.3	97.1	95.4	96.6	97.1	

Source : Urban Redevelopment Authority

1 From 1995, coverage has been expanded to include another 44,891 private housing units built before 1974.

Prior to this, only housing units completed after 1973 were surveyed.

2 Refer to nett floor area.

10.16

POTENTIAL SUPPLY OF PRIVATE PROPERTIES (End of Period)

Type of Property	1990	1991	1992	1993	1994	1995
Private Residential Units (No)	39,914	42,815	52,340	69,020	79,137	88,080
Landed	9,117	9,926	12,632	15,005	17,562	18,348
Non-Landed	30,797	32,889	39,708	54,015	61,575	69,732
Office Space ¹ ('000 sq m)	2,674	3,203	2,638	2,199	2,554	2,708
Private Sector	2,158	2,416	1,955	1,617	1,890	2,009
Public Sector	516	787	683	582	664	699
Shop Space ¹ ('000 sq m)	1,222	1,404	1,369	1,454	1,243	1,013
Private Sector	1,033	1,266	1,217	1,261	1,071	888
Public Sector	189	139	152	193	172	125
Factory Space ¹ ('000 sq m)	3,564	3,662	3,858	4,653	4,989	7,101
Private Sector	2,344	2,504	2,746	3,908	4,159	5,980
Public Sector	1,221	1,158	1,112	745	830	1,121
Warehouse Space ¹ ('000 sq m)	1,028	1,131	905	874	1,258	1,546
Private Sector	648	893	672	776	1,001	1,332
Public Sector	379	238	233	98	257	214

Source : Urban Redevelopment Authority

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

1 Refer to gross floor area.

10.17

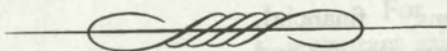
DEMAND, SUPPLY AND OCCUPANCY OF JURONG TOWN CORPORATION STANDARD/FLATTED FACTORIES AND INDUSTRIAL LANDS

Factory Space/Industrial Land	1985	1990	1991	1992	1993	1994	1995
Flatted Factory Space ('000 sq m)							
Gross Allocation	92	106	120	123	158	159	159
Termination	134	61	99	147	114	99	114
Net Allocation	-41	45	21	-24	44	60	45
Demand	675	887	908	885	929	987	1,034
Supply	944	901	920	942	1,014	1,057	1,069
Occupancy Rate (%)	71	98	99	94	92	93	97
Standard Factory Space ('000 sq m)							
Gross Allocation	36	95	111	121	138	173	159
Termination	26	27	12	26	28	37	17
Net Allocation	10	68	98	95	110	137	140
Demand	1,110	1,470	1,568	1,663	1,772	1,913	2,062
Supply	1,440	1,497	1,653	1,739	1,846	1,925	2,128
Occupancy Rate (%)	77	98	95	96	96	99	97
Industrial Land ¹ (hectares)							
Gross Allocation	60	119	142	78	101	227	160
Land under preparation	-	-	-	10	8	-	-
Prepared Land	60	119	142	68	93	227	160
Termination	123	26	16	8	9	21	34
Net Allocation	-62	93	126	70	92	206	126
Prepared Land							
Demand	2,690	3,060	3,186	3,246	3,329	3,536	3,647
Supply	3,592	3,795	3,854	3,760	3,781	4,017	4,022

Source : Jurong Town Corporation

¹ Exclude industrial land used for JTC Standard/Flatted Factory developments.

COMMERCE AND SERVICES



The first statistical survey conducted by the Department of Statistics, Singapore, in the reference year 1957 was on the Commerce and Services sector. The survey was conducted in the reference years 1957 and 1958, and the results were published in the "Report on the Commerce and Services Sector" in 1959. The survey covered all establishments engaged in commerce and services, including retail trade, restaurants, hotels, and other services. The survey was conducted by the Department of Statistics, Singapore, and the results were published in the "Report on the Commerce and Services Sector" in 1959.

The survey of services covers all establishments including statutory boards and non-profit organisations engaged in transport, storage and communication, and community, social and personal services as classified under Major Division 7.8 and 7.9 of the "Singapore Standard Industrial Classification (SSIC) 1990". Government ministries and departments, foreign business, political parties, and various operations, organisations, and domestic services are outside the scope of the survey. From the reference year 1960, 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 engaged in retail trade, wholesale trade, and other commerce activities. The survey was conducted by the Department of Statistics, Singapore, and the results were published in the "Report on the Commerce and Services Sector" in 1959. The survey covered all establishments engaged in commerce and services, including retail trade, restaurants, hotels, and other services. The survey was conducted by the Department of Statistics, Singapore, and the results were published in the "Report on the Commerce and Services Sector" in 1959.

11 COMMERCE AND SERVICES

The first statistical inquiry on the Services Sector was conducted by the Department of Statistics, Singapore 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 sub-sequently 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) 1990". 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 stall-holders) engaged in wholesale and retail trades, restaurants and hotels as classified under Major Division 6 of the SSIC 1990.

Prior to 1976, both surveys were conducted on a census basis. From 1976 to 1982, sample surveys were carried out while for reference years 1983 and 1984, censuses of commerce and services were respectively undertaken. For reference years 1985 to 1992, annual sample surveys were conducted. Censuses of commerce and services

were again conducted for reference years 1993 and 1994 respectively.

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.

11 COMMERCE AND SERVICES (cont'd)

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 (including those in the food courts) 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 a weight to each activity 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.

Other References

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".

Year	Establish- ments	Employ- ment	Remunera- tion	Turnover	Operating Expenditure	Operating Surplus	Value Added
	Number		Million Dollars				
Total							
1989	43,455	265,329	4,219	137,901	133,787	4,822	9,773
1990	43,277	279,800	5,111	183,930	178,581	6,187	12,147
1991	44,679	288,183	5,881	214,597	209,318	6,224	13,032
1992	46,750	307,703	6,811	243,851	239,513	5,452	13,603
1993	50,999	330,911	7,835	272,823	267,105	7,013	17,125
1994	49,043	336,759	8,482	294,595	288,041	8,014	19,721
Wholesale Trade							
1989	21,576	123,560	2,735	117,921	115,156	3,183	6,015
1990	22,439	136,133	3,383	162,966	159,022	4,445	7,983
1991	23,575	145,847	4,002	192,841	188,757	4,675	8,835
1992	25,299	157,879	4,721	219,820	216,813	3,725	8,578
1993	27,900	170,427	5,410	243,806	239,500	5,138	10,684
1994	27,448	177,926	5,914	262,798	257,792	5,991	12,327
Retail Trade							
1989	18,638	74,815	713	16,532	15,625	1,013	2,288
1990	17,708	74,875	808	16,890	16,032	978	2,354
1991	17,832	75,015	894	17,541	16,871	791	2,338
1992	18,150	77,896	1,004	19,427	18,692	881	2,960
1993	19,731	86,316	1,216	24,119	23,210	1,084	4,296
1994	18,394	84,676	1,307	26,746	25,811	1,132	5,083
Hotels and Catering							
1989	3,241	66,954	771	3,448	3,006	626	1,471
1990	3,130	68,792	920	4,074	3,527	764	1,809
1991	3,272	67,321	984	4,215	3,690	758	1,858
1992	3,301	71,928	1,086	4,604	4,008	846	2,066
1993	3,368	74,168	1,209	4,898	4,395	791	2,145
1994	3,201	74,157	1,260	5,050	4,437	891	2,311

11.2

SELECTED AVERAGES AND RATIOS IN THE COMMERCE SECTOR

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			Value Added Per Person Engaged	Operating Surplus to Turnover	Remuneration to Operating Expenditure	Remuneration to Value Added
	Thousand Dollars						
Total							
1989	3,173	111	225	37	3.5	3.2	43.2
1990	4,250	143	281	43	3.4	2.9	42.1
1991	4,803	139	292	45	2.9	2.8	45.1
1992	5,216	117	291	44	2.2	2.8	50.1
1993	5,350	138	336	52	2.6	2.9	45.8
1994	6,007	163	402	59	2.7	2.9	43.0
Wholesale Trade							
1989	5,465	148	279	49	2.7	2.4	45.5
1990	7,263	198	356	59	2.7	2.1	42.4
1991	8,180	198	375	61	2.4	2.1	45.3
1992	8,689	147	339	54	1.7	2.2	55.0
1993	8,739	184	383	63	2.1	2.3	50.6
1994	9,574	218	449	69	2.3	2.3	48.0
Retail Trade							
1989	887	54	123	31	6.1	4.6	31.2
1990	954	55	133	31	5.8	5.0	34.3
1991	984	44	131	31	4.5	5.3	38.2
1992	1,070	49	163	38	4.5	5.4	33.9
1993	1,222	55	218	50	4.5	5.2	28.3
1994	1,454	62	276	60	4.2	5.1	25.7
Hotels and 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	53.0
1992	1,395	256	626	29	18.4	27.1	52.6
1993	1,454	235	637	29	16.1	27.5	56.4
1994	1,578	278	722	31	17.6	28.4	54.5

11.3

PRINCIPAL STATISTICS OF THE SERVICES SECTOR BY INDUSTRY

Year	Establish- ments	Employ- ment	Remunera- tion	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	7,167	109,885	3,514	24,510	19,499	6,690	10,582
1994	7,451	113,876	3,979	26,969	21,195	7,645	12,037
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	3,766	13,761	603	15,438	6,221	9,352	1,277
1994	4,188	13,762	681	14,665	9,469	5,339	1,493
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	13,492	102,786	3,396	24,216	19,462	5,532	9,539
1994	14,009	109,111	4,152	28,705	23,493	6,025	10,827

¹ With effect from 1986, data exclude establishments within the purview of Monetary Authority of Singapore.

11.3

PRINCIPAL STATISTICS OF THE SERVICES SECTOR BY INDUSTRY (continued)

Year	Establish- ments	Employ- ment	Remunera- tion	Operating Receipts	Operating Expenditure	Operating Surplus	Value Added
	Number		Million Dollars				
Community, Social and Personal Services ²							
1989	9,800	63,597	840	3,385	2,952	572	1,818
1990	9,013	57,688	972	3,803	3,325	645	2,116
1991	9,825	62,808	1,200	4,613	4,001	838	2,625
1992	10,121	69,620	1,408	5,422	4,719	968	3,059
1993	10,500	73,364	1,589	6,175	5,293	1,187	3,557
1994	11,070	74,070	1,821	6,826	5,918	1,244	3,913
Non-profit Organisations ³							
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	5,449	46,585	1,617	1,586	3,782	257	1,930
1994	5,782	49,585	1,915	1,852	4,285	315	2,288

2 The formulas for computing operating receipts, operating surplus and value added have been revised in 1993. For comparability, data from 1986 onwards were correspondingly revised.

3 With effect from 1986, data exclude mutual benefit organisations, citizens' consultative committees & residents' committees.

11.4

SELECTED AVERAGES AND RATIOS IN THE SERVICES SECTOR

(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				Per Cent		
	Total						
1989	1,317	372	510	58	28.3	19.0	38.7
1990	1,549	437	576	64	28.2	18.5	39.3
1991	1,608	449	607	70	27.9	19.1	40.1
1992	1,587	451	627	72	28.4	19.9	40.1
1993	1,782	570	666	78	32.0	19.8	39.9
1994	1,859	484	719	85	26.0	19.5	41.1
	Transport, Storage and 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	3,420	933	1,476	96	27.3	18.0	33.2
1994	3,619	1,026	1,615	106	28.3	18.8	33.1
	Financial and 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	44.7	7.9	48.8
1993	4,099	2,483	339	93	60.6	9.7	47.2
1994	3,502	1,275	356	108	36.4	7.2	45.6

¹ With effect from 1986, data exclude establishments within the purview of Monetary Authority of Singapore.

11.4

SELECTED AVERAGES AND RATIOS IN THE SERVICES SECTOR

(continued)

(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						
Real Estate and 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	1,795	410	707	93	22.8	17.4	35.6
1994	2,049	430	773	99	21.0	17.7	38.3
Community, Social and Personal Services ²							
1989	345	58	186	29	16.9	28.5	46.2
1990	422	72	235	37	17.0	29.2	45.9
1991	470	85	267	42	18.2	30.0	45.7
1992	536	96	302	44	17.9	29.8	46.0
1993	588	113	339	48	19.2	30.0	44.7
1994	617	112	353	53	18.2	30.8	46.5

2 The formulas for computing operating receipts, operating surplus and value added have been revised in 1993. For comparability, data from 1986 onwards were accordingly revised.

11.5

RETAIL SALES INDEX (1991=100)

	Weights ¹	1985	1990	1991	1992	1993	1994	1995
At Current Prices								
Total	10,000	59.3	99.6	100.0	109.4	119.9	123.0	124.8
Total (excl Motor Vehicles)	8,087	75.0	100.6	100.0	104.3	107.1	110.9	113.3
Textiles & Personal Effects	2,043	83.9	111.2	100.0	109.2	106.5	107.0	103.7
Furniture & Household Equipment	1,160	91.5	94.1	100.0	101.1	104.4	106.4	108.7
Motor Vehicles	1,913	22.2	97.0	100.0	123.3	173.7	174.2	173.5
Petrol Service Stations	505	84.4	91.7	100.0	106.9	109.3	110.2	113.4
Department Stores & Supermarkets	1,766	56.6	100.1	100.0	103.9	112.3	122.4	127.8
Provision & Sundry Shops	853	95.1	98.6	100.0	98.1	100.1	102.1	104.6
Others	1,760	71.9	100.4	100.0	104.0	107.3	111.3	117.4
At Constant Prices								
Total	10,000	63.1	98.5	100.0	109.7	115.4	113.7	116.5
Total (excl Motor Vehicles)	8,087	77.0	101.3	100.0	105.2	106.4	107.8	111.1
Textiles & Personal Effects	2,043	81.0	108.9	100.0	115.2	108.2	106.5	105.3
Furniture & Household Equipment	1,160	92.5	94.5	100.0	101.5	104.4	102.5	107.1
Motor Vehicles	1,913	27.8	91.1	100.0	122.1	153.2	138.5	139.6
Petrol Service Stations	505	73.4	95.6	100.0	107.6	111.6	113.3	115.4
Department Stores & Supermarkets	1,766	59.9	101.9	100.0	102.3	108.9	115.9	119.9
Provision & Sundry Shops	853	100.8	97.4	100.0	96.8	95.8	94.4	95.7
Others	1,760	77.1	100.9	100.0	104.2	107.0	109.6	117.6

¹ Based on turnover data derived from the 1991 Annual Survey of Retail Trade.

11.6 SALES INDEX OF CATERING TRADE

(1991=100)

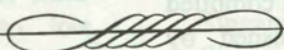
	Weights ¹	1985	1990	1991	1992	1993	1994	1995
At Current Prices								
Total	1,000	69.4	96.2	100.0	107.4	114.3	120.6	126.9
Restaurants	411	68.5	97.4	100.0	107.5	114.0	122.4	128.3
Fast Food Outlets	134	53.0	94.0	100.0	111.9	126.9	142.9	157.0
Other Eating Places	455	79.4	94.6	100.0	104.9	111.0	112.5	116.7
At Constant Prices								
Total	1,000	76.0	98.0	100.0	104.7	109.9	111.5	113.4
Restaurants	411	75.8	99.1	100.0	104.4	108.8	112.4	112.3
Fast Food Outlets	134	59.6	97.4	100.0	109.1	121.5	133.7	143.8
Other Eating Places	455	83.7	95.9	100.0	103.4	107.6	104.2	105.4

Note : Catering trade refers to the sales of prepared food and drinks for in-premises consumption or on a take-away basis.

All eating places are included with the exception of hawker stalls.

1 Based on turnover data derived from the 1991 Annual Survey of Catering Trade.

EXTERNAL TRADE



which has a number of the following 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 of the Director-General of Customs and Excise.

- (i) Postal packages which are based on parcels temporarily taken in or out of the country to be returned after a specified period of time.
- (ii) Bulk and stores supplied to non-Singapore registered ships and aircraft, which are supplied from Singapore's bonded warehouses.
- (iii) Goods reported and exported by the Department of Statistics from the same sources.

Coverage

The "general" system for recording trade statistics is adopted in Singapore. Under this system, goods imported and exported from Singapore are included in the external trade statistics with the following exceptions:

- (i) Transport cargo on through bills of lading or through airway bills.
- (ii) Fish and other marine products landed by Singapore and Peninsular Malaysian registered vessels direct from sea.
- (iii) Goods reported and exported by or on behalf of diplomatic services and Armed Forces.

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, processing, for use in manufacturing, or for subsequent re-shipment to other countries.

12 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.

12 EXTERNAL TRADE (cont'd)

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. 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.

Other References

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

12.1 EXTERNAL TRADE BY TYPE

Million Dollars

	1985	1990	1991	1992	1993	1994	1995
At Current Prices							
Total Trade	107,996	205,012	216,074	220,881	257,076	303,723	343,828
Exports	50,179	95,206	101,880	103,351	119,473	147,327	167,515
Oil	16,452	17,295	17,371	13,510	14,612	14,075	13,858
Non-oil	33,727	77,911	84,509	89,841	104,862	133,252	153,657
Domestic Exports	32,576	62,754	66,031	66,337	75,394	88,533	98,473
Oil	15,840	17,137	17,202	13,409	14,557	13,985	13,721
Non-oil	16,735	45,617	48,829	52,928	60,837	74,548	84,751
Re-exports	17,603	32,452	35,848	37,014	44,079	58,794	69,042
Imports	57,818	109,806	114,195	117,530	137,603	156,396	176,314
Oil	17,031	17,399	16,050	14,987	14,912	13,788	14,204
Non-oil	40,787	92,407	98,145	102,542	122,691	142,608	162,110
At 1990 Prices							
Total Trade	99,885	205,012	224,941	240,303	284,346	343,485	394,721
Exports	45,024	95,206	107,014	114,669	134,884	172,097	199,736
Oil	11,892	17,295	19,682	17,465	20,114	22,360	22,389
Non-oil	33,132	77,911	87,332	97,204	114,770	149,737	177,347
Domestic Exports	27,203	62,754	70,535	76,035	88,719	109,988	125,765
Oil	11,471	17,137	19,490	17,341	20,036	22,230	22,188
Non-oil	15,732	45,617	51,045	58,694	68,682	87,758	103,578
Re-exports	17,821	32,452	36,478	38,634	46,165	62,109	73,970
Imports	54,861	109,806	117,927	125,633	149,462	171,388	194,986
Oil	11,682	17,399	18,043	18,467	20,792	20,314	20,482
Non-oil	43,180	92,407	99,884	107,167	128,670	151,073	174,504

Source : Trade Development Board (with effect from April 1987)

Note : Figures from 1994 are slightly inflated due to improved coverage arising from the implementation of Goods and Services Tax from 1 April 1994.

12.2

TOTAL TRADE BY AREA/COUNTRY

Million Dollars

Area/Country	1985	1990	1991	1992	1993	1994	1995
Total	107,997	205,012	216,075	220,881	257,076	303,723	343,829
America	21,295	41,953	42,740	45,429	51,398	56,712	62,531
Brazil	302	668	693	610	961	906	1,127
Canada	553	1,466	1,473	1,289	1,320	1,548	1,552
United States ¹	19,394	37,826	38,133	41,119	46,652	51,539	57,017
Asia	65,481	120,069	129,810	129,608	155,991	190,038	217,105
Bahrain	276	524	406	320	258	196	191
Bangladesh	717	797	721	587	614	708	868
Brunei	1,175	1,211	1,277	1,513	1,374	1,565	2,394
China, Peo Rep	5,702	5,217	5,323	5,479	6,945	7,619	9,640
Hong Kong	4,280	9,551	10,780	11,668	14,703	18,100	20,173
India	1,558	2,667	2,450	2,392	2,613	3,136	3,967
Iran (Islamic Rep)	3,348	1,058	1,124	1,130	1,205	999	848
Japan	14,592	30,448	33,206	32,610	39,032	44,765	50,355
Korea, Rep of	1,550	5,326	5,649	6,194	7,754	9,856	12,249
Kuwait	1,252	940	95	689	1,228	1,303	1,757
Malaysia	16,088	27,412	32,619	30,213	39,612	54,690	59,410
Pakistan	593	655	640	564	530	574	524
Philippines	916	1,782	1,651	1,834	3,027	3,604	4,291
Saudi Arabia	2,623	6,362	6,647	6,690	5,982	6,110	5,841
Sri Lanka	520	460	479	602	567	603	611
Taiwan	2,777	8,099	8,302	8,909	10,099	11,958	14,073
Thailand	3,289	9,284	10,029	10,807	12,481	15,657	18,768
United Arab Emirates	1,984	3,486	3,256	2,145	2,554	2,552	3,238
Europe	14,509	34,064	34,302	36,619	39,814	46,361	53,055
France	2,092	4,202	4,123	4,509	4,890	5,317	6,816
Germany, Fed Rep ²	2,700	7,723	7,912	8,228	8,950	10,499	11,793
Italy	1,379	2,993	2,535	3,153	2,885	3,259	3,601
Netherlands	1,189	2,998	3,624	4,297	4,375	5,569	6,061
Switzerland	516	1,724	1,824	1,864	2,192	2,479	2,735
United Kingdom	3,067	6,407	6,367	6,284	7,168	8,311	9,039
Commonwealth of Independent States	561	770	872	836	1,155	1,551	1,907
Oceania	4,901	6,131	6,280	6,150	6,609	7,480	7,965
Australia ³	3,185	4,464	4,666	4,454	5,086	5,883	6,230
New Zealand	858	616	602	780	656	773	837
Africa	1,811	2,795	2,943	3,076	3,265	3,132	3,172

Source : Trade Development Board (with effect from April 1987)

¹ Prior to 1986, the United States of America included Puerto Rico.² Figures from Oct 1990 include the former German Democratic Republic.³ Prior to 1989, Australia included Christmas Island.

12.3

IMPORTS BY AREA/COUNTRY

Million Dollars

Area/Country	1985	1990	1991	1992	1993	1994	1995
Total	57,818	109,806	114,195	117,530	137,603	156,396	176,314
America	9,289	19,564	20,144	21,159	24,168	25,923	28,856
Brazil	164	539	502	417	487	538	510
Canada	195	649	693	536	544	634	742
United States	8,775	17,580	18,030	19,341	22,360	23,902	26,470
Asia	38,188	69,551	73,779	74,822	89,837	103,135	115,932
Bahrain	197	481	349	239	205	149	154
Bangladesh	52	83	94	47	54	50	34
Brunei	537	234	321	433	350	319	317
China, Peo Rep	4,972	3,773	3,839	3,668	3,877	4,412	5,730
Hong Kong	1,082	3,365	3,434	3,587	4,339	5,286	5,821
India	489	677	723	867	1,080	1,208	1,306
Iran (Islamic Rep)	2,474	842	869	826	1,049	901	675
Japan	9,870	22,146	24,370	24,753	30,111	34,422	37,288
Korea, Rep of	930	3,218	3,241	3,869	4,428	5,986	7,652
Kuwait	984	843	8	554	1,106	1,171	1,654
Malaysia	8,301	14,964	17,382	17,287	22,670	25,600	27,285
Pakistan	60	154	188	134	107	103	91
Philippines	437	567	475	517	813	1,193	1,558
Saudi Arabia	2,034	5,863	5,864	6,018	5,359	5,607	5,380
Sri Lanka	95	59	80	48	64	87	77
Taiwan	1,922	4,677	4,681	4,721	5,458	6,018	7,251
Thailand	1,196	2,974	3,629	4,365	5,676	7,471	9,097
United Arab Emirates	1,547	2,677	2,220	1,092	1,454	1,335	2,035
Europe	7,957	17,510	17,066	18,293	19,718	23,623	27,640
France	1,328	2,646	2,932	2,927	3,131	3,318	3,964
Germany, Fed Rep	1,574	3,898	3,650	3,839	4,203	5,270	6,127
Italy	833	1,733	1,572	2,088	1,832	2,209	2,510
Netherlands	551	966	1,004	1,080	1,275	1,638	1,600
Switzerland	398	1,285	1,052	1,203	1,488	1,694	2,168
United Kingdom	1,692	3,376	3,286	3,281	3,593	4,326	4,687
Commonwealth of Independent States	29	173	332	263	263	287	513
Oceania	1,839	2,406	2,469	2,359	2,741	2,744	2,910
Australia	1,533	2,127	2,149	1,998	2,384	2,393	2,556
New Zealand	264	248	275	302	290	292	293
Africa	545	775	737	897	1,139	971	976

Source : Trade Development Board (with effect from April 1987)

Note : See notes to Table 12.2.

12.4

EXPORTS BY AREA/COUNTRY

Million Dollars

Area/Country	1985	1990	1991	1992	1993	1994	1995
Total	50,179	95,206	101,880	103,351	119,473	147,327	167,515
America	12,006	22,389	22,596	24,270	27,230	30,789	33,675
Brazil	138	129	191	194	475	368	618
Canada	358	818	780	753	775	915	810
United States	10,619	20,246	20,103	21,779	24,292	27,637	30,547
Asia	27,293	50,518	56,031	54,786	66,154	86,903	101,173
Bahrain	79	43	57	81	53	47	37
Bangladesh	665	714	627	541	560	658	835
Brunei	638	978	956	1,080	1,025	1,246	2,077
China, Peo Rep	730	1,443	1,485	1,811	3,068	3,207	3,911
Hong Kong	3,197	6,186	7,346	8,081	10,364	12,814	14,352
India	1,069	1,990	1,727	1,524	1,533	1,928	2,661
Iran (Islamic Rep)	874	216	255	304	156	98	173
Japan	4,722	8,302	8,836	7,857	8,921	10,343	13,066
Korea, Rep of	620	2,108	2,408	2,325	3,326	3,871	4,597
Kuwait	268	98	87	135	122	132	103
Malaysia	7,787	12,448	15,236	12,925	16,942	29,089	32,125
Pakistan	533	501	452	430	423	471	433
Philippines	479	1,215	1,176	1,317	2,214	2,411	2,733
Saudi Arabia	589	500	783	671	623	503	461
Sri Lanka	425	402	399	554	503	516	534
Taiwan	855	3,422	3,621	4,188	4,641	5,940	6,822
Thailand	2,092	6,310	6,401	6,442	6,805	8,186	9,672
United Arab Emirates	437	808	1,036	1,053	1,100	1,217	1,203
Europe	6,552	16,554	17,236	18,326	20,096	22,738	25,415
France	764	1,556	1,190	1,583	1,759	1,999	2,852
Germany, Fed Rep	1,126	3,825	4,263	4,389	4,747	5,230	5,666
Italy	546	1,260	963	1,065	1,053	1,050	1,091
Netherlands	638	2,033	2,620	3,217	3,100	3,931	4,461
Switzerland	119	439	772	661	705	785	567
United Kingdom	1,376	3,031	3,082	3,003	3,575	3,985	4,352
Commonwealth of Independent States	532	597	540	573	892	1,264	1,394
Oceania	3,062	3,725	3,811	3,791	3,868	4,736	5,055
Australia	1,652	2,337	2,517	2,457	2,702	3,490	3,674
New Zealand	594	368	326	478	366	481	544
Africa	1,266	2,020	2,206	2,179	2,126	2,161	2,196

Source : Trade Development Board (with effect from April 1987)

Note : See notes to Table 12.2.

12.5

DOMESTIC EXPORTS BY AREA/COUNTRY

Million Dollars

Area/Country	1985	1990	1991	1992	1993	1994	1995
Total	32,576	62,754	66,031	66,337	75,394	88,533	98,473
America	8,936	18,159	18,072	19,150	21,218	23,757	26,234
Brazil	65	42	85	77	334	219	335
Canada	209	573	529	499	510	626	545
United States	8,159	16,673	16,455	17,571	19,239	21,728	24,213
Asia	16,265	29,365	31,872	30,409	36,513	45,408	50,875
Bahrain	44	24	34	36	28	18	17
Bangladesh	486	409	402	326	340	410	485
Brunei	227	300	275	327	332	323	379
China, Peo Rep	399	867	880	1,028	2,197	2,089	2,350
Hong Kong	2,058	4,303	4,803	5,177	6,719	7,845	8,377
India	668	820	1,012	860	729	865	1,116
Iran (Islamic Rep)	742	62	120	111	82	35	48
Japan	3,860	6,211	6,035	5,107	5,802	6,959	9,051
Korea, Rep of	372	1,299	1,471	1,382	1,957	2,010	2,424
Kuwait	63	51	60	59	58	63	66
Malaysia	3,773	5,265	6,819	6,222	8,009	13,429	13,441
Pakistan	82	281	182	157	154	156	160
Philippines	269	675	668	657	1,173	1,280	1,345
Saudi Arabia	301	277	443	282	209	188	174
Sri Lanka	184	131	155	243	215	192	206
Taiwan	513	2,314	2,241	2,436	2,594	3,285	3,884
Thailand	1,424	4,583	4,488	4,162	3,975	4,115	4,759
United Arab Emirates	223	389	421	433	397	353	395
Europe	4,145	11,572	12,406	13,222	14,255	15,495	17,297
France	387	1,181	868	1,157	1,311	1,536	2,035
Germany, Fed Rep	798	2,817	3,142	3,411	3,468	3,388	3,575
Italy	456	998	713	775	710	735	790
Netherlands	371	1,320	1,921	2,481	2,363	2,946	3,384
Switzerland	73	268	607	506	500	436	216
United Kingdom	1,027	2,255	2,351	2,170	2,662	2,901	3,306
Commonwealth of Independent States	328	305	256	266	283	492	436
Oceania	2,476	2,644	2,559	2,545	2,385	2,856	3,022
Australia	1,259	1,615	1,649	1,630	1,663	2,088	2,139
New Zealand	511	209	195	321	185	256	312
Africa	754	1,014	1,122	1,010	1,023	1,018	1,046

Source : Trade Development Board (with effect from April 1987)

Note : See notes to Table 12.2.

12.6

IMPORTS BY COMMODITY

Million Dollars

Commodity	1985	1990	1991	1992	1993	1994	1995
Total	57,818	109,806	114,195	117,530	137,603	156,396	176,314
Food	3,535	4,315	4,645	4,837	5,033	5,218	5,153
Cereals & Cereal Preparations	428	448	445	471	513	519	523
Fruits & Vegetables	899	1,102	1,263	1,249	1,279	1,224	1,223
Coffee & Spices	883	638	544	563	533	704	603
Beverages & Tobacco	501	1,426	1,557	1,652	2,074	2,141	2,024
Crude Materials	1,988	2,371	2,092	1,867	1,968	1,939	2,086
Rubber	1,003	922	779	596	508	533	684
Wood	249	353	340	306	317	344	369
Mineral Fuels	17,031	17,399	16,050	14,987	14,912	13,788	14,204
Petroleum & Petroleum Products	17,020	17,384	16,040	14,971	14,903	13,778	14,196
Animal & Vegetable Oils	1,381	753	849	878	834	641	753
Unprocessed Vegetable Oils	294	403	467	367	330	322	314
Chemicals	2,890	8,441	8,307	8,855	9,615	10,114	11,385
Chemical Compounds	772	1,780	1,905	1,935	2,047	2,302	2,944
Medicinal Products	239	361	379	441	702	799	937
Plastic Materials	721	1,485	1,494	1,354	1,558	1,756	1,977
Manufactured Goods by Material	7,082	14,168	14,998	15,046	16,013	16,523	19,191
Textile Manufactures	1,872	3,213	3,285	3,255	3,163	3,072	2,987
Non-metal Mineral Manufactures	1,014	1,513	1,720	1,782	1,891	2,268	2,662
Iron & Steel	1,425	3,066	3,425	3,005	3,289	3,222	3,910
Metal Manufactures	1,254	2,161	2,372	2,361	2,602	2,697	3,006
Paper, Paperboard & Related Articles	575	1,253	1,298	1,228	1,295	1,408	1,674
Machinery & Transport Equipment	18,317	49,065	53,433	56,331	71,916	88,306	102,055
Non-electric Machinery	6,625	20,273	21,847	22,862	27,641	32,744	37,143
Electric Machinery	8,238	22,604	25,348	26,200	35,916	47,902	56,194
Transport Equipment	3,455	6,189	6,238	7,268	8,359	7,661	8,719
Miscellaneous Manufactured Articles	4,194	10,450	10,792	11,718	13,415	15,428	17,390
Scientific & Optical Instruments	1,129	2,996	3,117	3,413	4,124	4,843	5,359
Watches & Clocks	425	1,171	1,053	1,072	1,221	1,412	1,452
Miscellaneous Transactions nec	898	1,420	1,473	1,359	1,823	2,298	2,072

Source : Trade Development Board (with effect from April 1987)

Commodity	1985	1990	1991	1992	1993	1994	1995
Total	50,179	95,206	101,880	103,351	119,473	147,327	167,515
Food	2,193	2,734	3,033	2,987	2,910	3,542	3,555
Cereals & Cereal Preparations	187	188	209	203	212	255	265
Fruits & Vegetables	366	388	436	394	450	543	558
Coffee & Spices	988	778	809	795	728	1,082	1,073
Beverages & Tobacco	241	1,388	1,841	1,969	2,389	2,448	2,274
Crude Materials	2,700	2,915	2,522	2,278	2,132	2,193	2,405
Rubber	1,496	1,425	1,110	986	808	819	981
Wood	328	491	450	412	374	319	270
Mineral Fuels ¹	16,452	17,295	17,371	13,510	14,612	14,075	13,858
Petroleum & Petroleum Products	13,456	14,371	14,179	11,097	11,880	11,412	11,250
Animal & Vegetable Oils	1,535	761	722	747	610	574	718
Unprocessed Vegetable Oils	1,128	349	305	278	220	247	280
Chemicals	2,717	5,970	6,680	6,732	7,663	8,418	9,999
Chemical Compounds	918	2,109	2,537	2,572	2,613	2,884	3,593
Medicinal Products	298	378	381	403	599	753	852
Plastic Materials	680	1,451	1,703	1,382	1,567	1,751	2,090
Manufactured Goods by Material	3,598	6,651	7,320	7,115	7,756	8,856	10,614
Wood Manufactures	484	487	514	489	505	433	317
Textile Manufactures	777	1,631	1,884	1,761	1,980	2,154	2,119
Iron & Steel	458	790	891	846	977	1,083	1,212
Metal Manufactures	571	1,215	1,311	1,204	1,266	1,614	1,820
Machinery & Transport Equipment	16,567	47,733	51,697	56,939	69,641	94,199	110,007
Non-electric Machinery	6,012	23,058	24,999	28,575	35,214	45,096	52,424
Electric Machinery	8,855	22,223	24,542	25,553	31,284	45,949	54,427
Transport Equipment	1,701	2,452	2,156	2,811	3,142	3,154	3,156
Miscellaneous Manufactured Articles	3,378	8,500	9,229	9,593	9,768	11,185	12,552
Clothing	1,177	2,867	3,009	2,948	2,500	2,322	2,075
Scientific & Optical Instruments	660	1,953	2,178	2,351	2,721	3,288	3,704
Watches & Clocks	201	509	616	595	708	860	1,156
Miscellaneous Transactions nec	798	1,260	1,465	1,482	1,993	1,838	1,532

Source : Trade Development Board (with effect from April 1987)

¹ Include oil bunkers.

12.8

DOMESTIC EXPORTS BY COMMODITY

Million Dollars

Commodity	1985	1990	1991	1992	1993	1994	1995
Total	32,576	62,754	66,031	66,337	75,394	88,533	98,473
Food	478	958	1,125	1,165	1,078	1,169	1,197
Animal Feeding Stuffs	36	38	39	47	44	51	52
Beverages & Tobacco	103	386	398	461	519	529	483
Crude Materials ¹	190	460	449	457	427	448	579
Mineral Fuels ²	15,840	17,137	17,202	13,409	14,557	13,985	13,722
Oil Bunkers	2,858	2,785	3,012	2,263	2,544	2,447	2,393
Animal & Vegetable Oils	630	587	556	584	456	335	333
Chemicals	1,598	3,619	4,208	4,174	4,464	4,696	5,621
Medicinal Products	207	251	253	235	263	269	280
Plastic Materials	522	958	1,145	920	966	1,087	1,346
Manufactured Goods by Material	1,215	2,127	2,247	2,190	2,443	2,731	2,924
Wood Products excluding Furniture	229	195	178	144	122	110	85
Textile Yarn & Thread	43	79	81	78	150	170	158
Woven Textile Fabrics	36	114	158	128	158	140	142
Lime, Cement & Fabricated Construction Materials	63	47	35	37	29	29	38
Iron & Steel Pipes & Fittings	59	87	89	65	67	65	82
Machinery & Transport Equipment	10,136	32,352	34,477	38,338	46,083	59,071	67,751
Office Machines	2,516	14,520	15,194	18,065	22,083	27,961	33,504
Other Non-electric Machines	582	1,287	1,444	1,522	1,577	1,870	2,033
Electric Generators	1,414	1,288	1,552	1,457	1,741	2,627	2,812
Telecommunication Apparatus	2,128	6,313	6,253	5,975	6,937	9,066	8,758
Other Electric Machinery	2,358	5,599	6,545	7,246	8,887	12,495	15,477
Ships, Boats & Oil Rigs	103	303	274	620	931	647	575
Miscellaneous Manufactured Articles	2,220	4,866	5,096	5,234	4,987	5,208	5,332
Clothing	877	1,793	1,779	1,590	1,201	1,026	831
Scientific & Optical Instruments	291	756	909	1,022	1,145	1,262	1,477
Watches & Clocks	103	184	221	237	313	233	252
Printed Matters	137	439	489	573	517	612	705
Toys & Games	201	351	362	268	221	184	139
Miscellaneous Transactions nec	165	263	273	324	380	361	532

Source : Trade Development Board (with effect from April 1987)

¹ Exclude processed rubber and sawn timber.² Include oil bunkers.

12.9 IMPORTS OF SPECIFIC COMMODITIES

Million Dollar

Commodity	1985	1990	1991	1992	1993	1994	1995
Meat	275	359	363	364	365	404	392
Rice	109	148	139	150	156	166	164
Unmilled Cereals	197	105	98	95	84	71	6
Fruits & Nuts	411	498	562	563	580	546	531
Spices	288	233	194	172	171	158	170
Animal Feed	118	83	92	125	86	70	59
Crude Rubber	982	942	724	544	453	463	617
Sawn Timber	192	306	311	276	287	291	295
Crude Petroleum	12,850	12,504	11,465	10,323	10,363	8,929	9,190
Petroleum Products	4,170	4,880	4,575	4,647	4,540	4,849	5,006
Fixed Vegetables Oils	294	403	467	367	330	322	314
Medicinal Products	239	361	379	441	702	799	937
Paper & Paperboard	412	897	911	825	816	909	1,172
Textile Yarn & Thread	141	343	357	294	333	351	318
Woven Textile Fabrics	1,352	2,274	2,316	2,303	2,160	2,019	1,914
Iron & Steel Plates, Sheets, Bars Shapes, etc	775	1,717	1,856	1,742	2,009	1,980	2,620
Iron & Steel Pipes & Fittings	435	914	1,074	947	802	801	837
Generators	2,063	5,605	6,258	6,186	7,298	8,671	8,879
Industrial Machinery	1,121	2,744	2,809	2,618	2,775	3,114	3,796
Telecommunications Apparatus	1,727	6,535	7,576	7,276	9,611	11,315	11,421
Office Machines	1,862	7,861	8,134	9,116	12,160	15,132	18,666
Motor Vehicles	760	2,693	2,286	2,678	3,344	3,171	3,782
Ships, Boats & Oil Rigs	909	1,662	1,490	2,014	2,098	1,872	2,350
Clothing	654	1,656	1,823	1,943	2,174	2,399	2,330
Scientific & Optical Instruments	1,129	2,996	3,117	3,413	4,124	4,843	5,359
Watches & Clocks	425	1,171	1,053	1,072	1,221	1,412	1,452
Toys & Games	222	435	448	550	630	637	666

Source : Trade Development Board (with effect from April 1987)

Million Dollars

Commodity	1985	1990	1991	1992	1993	1994	1995
Spices	305	249	224	203	208	218	312
Coffee	313	127	130	111	133	484	400
Animal Feed	84	76	80	136	111	107	112
Crude Rubber	1,492	1,405	1,089	966	779	785	949
Sawn Timber	302	450	413	366	343	285	231
Petroleum Products	13,418	14,371	14,179	11,097	11,880	11,404	11,239
Fixed Vegetable Oils	1,128	349	305	278	220	247	280
Medicinal Products	298	378	381	403	599	753	852
Manufactured Fertilizers	128	52	48	56	38	31	19
Crude Vegetable Materials	201	283	254	241	246	275	270
Wood Products excluding Furniture	484	486	513	488	504	432	316
Textile Yarn & Thread	105	278	297	232	360	418	379
Woven Textile Fabrics	563	1,135	1,376	1,304	1,379	1,457	1,406
Iron & Steel Plates, Sheets, Bars Shapes, etc	167	428	414	472	562	616	756
Iron & Steel Pipes & Fittings	263	300	404	322	335	385	350
Generators	2,056	2,811	3,372	3,347	3,963	5,498	5,795
Office Machines	3,009	16,620	17,652	21,114	26,655	34,339	41,024
Industrial Machinery	861	1,487	1,637	1,440	1,656	2,250	2,652
Telecommunications Apparatus	2,781	9,471	9,834	9,673	11,560	15,284	15,163
Household Equipment	423	588	628	673	694	680	658
Motor Vehicles	326	956	977	1,151	1,492	1,405	1,647
Ships, Boats & Oil Rigs	426	687	558	1,045	1,204	1,322	922
Furniture	164	343	364	363	358	363	295
Clothing	1,177	2,867	3,009	2,948	2,500	2,322	2,075
Scientific & Optical Instruments	660	1,953	2,178	2,351	2,721	3,288	3,704
Watches & Clocks	201	509	616	595	708	860	1,156
Printed Matters	180	549	603	644	600	736	863

Source : Trade Development Board (with effect from April 1987)

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Vessels Entered and Cleared

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

Sea Cargo Handled

The 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 air transport and 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 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.

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 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 vehicles to be kept or used in Singapore must be registered with the Vehicle and Transit Licensing Division of the Land Transport Authority.

Road Casualties

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

13.1 VESSELS REGISTERED IN SINGAPORE (End of Period)

Tonnage Class (Gross Registered Tons)	1985	1990	1991	1992	1993	1994	1995
Number							
Total	1,406	1,565	1,823	2,087	2,394	2,647	2,910
Non-propelled or Below 100	727	795	949	1,121	1,306	1,465	1,603
100 & Above	679	770	874	966	1,088	1,182	1,307
Thousand GRT							
Total	6,622	8,872	9,559	10,739	12,164	13,201	14,964
Non-propelled or Below 100	475	601	705	893	1,104	1,317	1,499
100 & Above	6,147	8,271	8,854	9,846	11,060	11,884	13,465

Source : Maritime and Port Authority of Singapore

13.2 AGE DISTRIBUTION OF VESSELS REGISTERED IN SINGAPORE, DECEMBER 1995

Tonnage Class (Gross Registered Tons)	Age Group (Years)						
	Total	0-4	5-9	10-14	15-19	20-24	25 & Above
Number							
Total	2,910	1,421	492	397	321	220	59
Non-propelled or Below 100	1,603	1,025	341	150	46	33	8
100 - 499	501	266	45	79	58	40	13
500 - 999	113	11	5	22	40	29	6
1,000 - 4,999	252	49	19	52	52	56	24
5,000 - 9,999	101	15	7	19	32	23	5
10,000 & Above	340	55	75	75	93	39	3
Thousand GRT							
Total	14,965	4,154	3,629	2,762	2,815	1,467	138
Non-propelled or Below 100	1,501	1,036	286	92	60	23	4
100 - 499	104	47	9	19	15	10	4
500 - 999	90	9	4	18	32	23	4
1,000 - 4,999	615	142	46	126	122	130	49
5,000 - 9,999	747	98	46	148	231	184	40
10,000 & Above	11,909	2,823	3,238	2,359	2,355	1,097	37

Source : Maritime and Port Authority of Singapore

13.3

VESSELS LICENSED IN SINGAPORE (End of Period)

	1985	1990	1991	1992	1993	1994	1995
Vessels Other Than Fishing							
Vessels	2,383	2,200	2,303	2,433	2,397	2,384	2,348
Cargo Boats	1,223	962	969	989	957	959	902
Passenger Boats	514	521	523	527	516	491	491
Others ¹	646	717	811	917	924	934	955
Fishing Vessels	446	340	315	303	276	242	157
Powered Vessels	415	326	304	292	267	237	152
Non-powered Vessels	31	14	11	11	9	5	2

Source : Primary Production Department

Port of Singapore Authority

1 Include work boats, bum boats and tug boats.

13.4

VESSEL ARRIVALS AND DEPARTURES

	1985	1990	1991	1992	1993	1994	1995
Arrivals							
Number	36,531	60,347	70,345	81,334	92,655	101,107	104,000
'000 GRT	272,020	491,200	536,618	578,495	623,841	678,500	710,000
Departures							
Number	na	64,660	70,119	81,245	92,477	101,017	104,000
'000 GRT	na	490,659	536,139	579,077	623,369	678,722	711,000

Source : Port of Singapore Authority

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.

13.5 VESSEL ARRIVALS BY SELECTED FLAG

Flag	1985	1990	1991	1992	1993	1994	1995
Number							
Total	36,531	60,347	70,345	81,334	92,655	101,107	104,000
Bahamas	na	571	1,003	1,305	1,454	1,703	1,807
China	818	1,367	1,343	1,340	1,217	1,400	1,408
Cyprus	146	861	1,012	1,000	1,291	1,272	1,441
Denmark	387	634	608	668	788	839	704
Germany	249	426	583	657	566	634	687
Greece	510	596	626	634	873	930	856
Hong Kong	na	296	421	427	357	411	395
India	317	332	337	383	389	337	346
Japan	1,583	963	1,207	1,320	1,696	1,506	1,000
Korea	803	362	392	569	614	763	770
Liberia	1,444	2,505	2,470	2,822	3,234	3,252	3,384
Malta	na	192	266	467	637	736	781
Netherlands	395	333	353	369	383	647	545
Norway	234	895	907	829	688	627	498
Panama	5,282	9,156	10,994	11,878	13,827	13,784	14,672
Singapore	4,651	6,798	22,379	31,234	38,215	44,148	47,909
St Vincent & the Grenadines	na	350	369	359	536	543	545
Taiwan	246	507	519	647	702	740	620
United Kingdom	621	176	240	209	223	250	249
United States	397	309	382	340	316	331	269
Thousand GRT							
Total	272,020	491,200	536,618	578,495	623,841	678,500	710,000
Bahamas	na	13,535	20,669	27,952	29,837	34,196	36,864
China	10,079	15,711	16,617	16,819	17,097	23,138	22,838
Cyprus	2,729	16,946	18,524	17,602	22,979	24,552	27,123
Denmark	8,667	12,669	15,691	14,859	15,308	16,444	16,183
Germany	4,935	6,947	10,308	11,865	11,289	14,389	17,633
Greece	10,964	15,680	17,352	17,304	22,918	27,062	24,915
Hong Kong	na	9,353	10,530	11,423	10,983	11,979	11,123
India	6,362	7,483	7,574	8,454	7,911	6,894	6,633
Japan	21,231	34,056	33,632	30,444	28,748	25,319	22,156
Korea	6,855	7,512	8,092	10,067	10,551	11,472	11,269
Liberia	38,661	75,154	75,140	83,044	89,419	88,929	93,937
Malta	na	2,651	4,147	7,458	10,461	15,181	17,180
Netherlands	6,047	7,615	7,288	10,472	10,105	13,322	12,249
Norway	8,847	20,675	20,568	17,941	16,575	18,493	14,957
Panama	31,292	69,810	80,185	87,930	97,091	113,821	139,132
Singapore	14,647	34,614	45,959	53,926	66,214	74,363	81,607
St Vincent & the Grenadines	na	2,767	3,095	3,963	5,311	5,345	5,969
Taiwan	5,318	12,817	14,028	16,226	15,499	17,204	14,840
United Kingdom	15,622	6,714	7,536	8,082	8,381	8,627	9,610
United States	6,051	8,986	10,228	8,769	8,053	7,978	7,870

Source : Port of Singapore Authority

Note : See notes to Table 13.4.

13.6 SEA CARGO HANDLED

Thousand Freight Tonnes

Cargo Handled	1985	1990	1991	1992	1993	1994	1995
Inward							
Total	62,086	106,223	116,525	136,468	158,960	164,486	175,000
General Cargo	19,134	47,581	54,856	64,545	74,277	81,375	89,000
Containerised	12,411	37,613	44,909	54,993	64,625	71,843	79,000
Conventional	6,723	9,969	9,947	9,552	9,652	9,533	10,000
Bulk Cargo	42,953	58,641	61,669	71,923	84,683	83,111	86,000
Oil	38,430	53,335	56,123	65,969	78,513	76,267	79,000
Others	4,523	5,307	5,546	5,954	6,170	6,844	7,000
Outward							
Total	43,750	81,567	89,904	101,978	114,763	125,589	130,000
General Cargo	17,811	46,806	53,328	61,172	68,366	75,872	81,000
Containerised	11,451	39,018	45,771	53,961	62,450	70,398	76,000
Conventional	6,359	7,789	7,557	7,211	5,917	5,474	5,000
Bulk Cargo	25,939	34,760	36,576	40,806	46,397	49,717	49,000
Oil	25,181	33,571	35,392	39,475	44,964	47,813	47,000
Others	759	1,190	1,184	1,331	1,433	1,904	2,000

Source: Port of Singapore Authority

Notes : Data include transshipment cargo but exclude ships' stores and mineral oil supplied as bunker fuel to vessels.

13.7

INWARD CONTAINERISED CARGO BY AREA/COUNTRY

Thousand Freight Tonnes

Area/Country	1985	1990	1991	1992	1993	1994	1995
Total	12,410.6	37,612.8	44,909.1	54,993.2	64,625.1	71,842.5	79,000.0
South East Asia	2,788.2	12,648.2	15,130.0	20,417.8	24,275.0	27,253.2	30,271.4
North East Asia	3,422.8	11,249.7	12,376.9	13,838.8	15,979.9	17,066.0	17,207.9
China	32.0	244.1	525.7	825.9	884.0	1,015.4	1,557.6
Hong Kong	796.2	2,722.6	2,995.3	3,420.0	4,340.5	4,710.2	4,726.3
Japan	1,442.4	4,057.9	4,425.2	5,065.9	5,529.7	5,718.7	5,105.4
Taiwan	958.7	3,325.4	3,302.1	2,963.1	3,023.8	3,102.3	3,285.1
Korea	193.5	899.6	1,128.7	1,564.0	2,201.9	2,519.4	2,533.4
South Asia	333.1	1,729.8	2,425.9	3,619.4	4,055.7	4,756.7	5,286.5
India	144.7	800.3	1,243.0	1,783.2	2,307.3	2,942.7	3,215.6
Bangladesh	43.2	434.4	504.4	687.0	847.3	897.0	1,020.0
Sri Lanka	72.1	277.1	331.0	436.6	409.3	457.0	615.5
Pakistan	73.1	216.9	346.9	709.0	490.5	459.4	434.9
West Asia	126.0	840.9	1,126.0	1,068.0	1,452.0	1,271.4	1,351.1
United Arab Emirates	20.8	511.0	715.2	524.8	906.0	777.6	911.0
Saudi Arabia	31.2	165.0	241.3	355.0	267.7	249.4	290.1
Africa	187.7	454.3	639.3	711.9	875.0	973.5	1,473.8
EC	2,935.6	6,405.1	7,074.6	8,257.4	10,952.5	12,400.4	13,400.6
Italy	348.7	749.5	717.9	826.6	1,025.8	1,353.4	1,659.1
France	479.6	681.7	609.6	515.7	879.8	855.1	901.2
Germany	749.7	1,835.7	2,050.7	2,283.6	3,119.8	3,231.6	3,022.5
Netherlands	618.5	1,358.3	1,540.9	2,077.1	3,049.0	3,393.9	3,448.3
United Kingdom	519.6	841.4	1,071.6	1,447.4	1,667.3	1,891.0	2,294.1
Belgium-Luxembourg	207.5	484.0	497.8	633.4	619.9	754.3	883.3
Spain	-	410.7	526.7	423.5	553.5	858.0	956.9
Other Europe	230.3	494.1	361.1	280.3	366.2	391.2	131.4
Oceania	602.9	1,098.4	2,021.7	2,712.9	2,629.6	2,855.1	3,139.4
Australia	521.1	865.7	1,705.0	2,222.7	2,270.0	2,559.3	2,750.5
New Zealand	75.6	200.9	279.0	439.2	322.5	219.9	333.4
Papua New Guinea	5.9	13.9	24.9	27.2	21.4	58.8	38.6
North America	1,571.5	2,417.4	2,927.4	3,743.3	3,421.3	4,114.8	5,111.7
Canada	38.3	218.3	227.5	257.1	215.0	285.6	372.8
USA	1,533.2	2,199.1	2,699.9	3,486.1	3,206.3	3,829.3	4,738.9
Central & South America	4.8	144.7	97.3	120.0	253.4	298.5	548.3

Source : Port of Singapore Authority

13.8 OUTWARD CONTAINERISED CARGO BY AREA/COUNTRY

Thousand Freight Tonnes

Area/Country	1985	1990	1991	1992	1993	1994	1995
Total	11,451.3	39,017.8	45,771.4	53,960.8	62,449.5	70,397.8	76,000.0
South East Asia	3,049.7	12,420.6	13,751.8	16,677.5	19,783.5	23,406.0	26,655.3
North East Asia	2,526.0	7,962.8	9,558.1	10,394.7	12,257.8	13,956.0	14,924.2
China	52.3	174.9	257.8	332.5	402.3	515.9	798.4
Hong Kong	1,001.0	2,217.8	2,721.3	2,991.1	3,572.5	4,442.5	4,925.3
Japan	631.5	2,826.3	3,514.6	3,766.1	4,598.3	4,922.4	5,062.7
Taiwan	716.2	2,194.6	2,308.7	2,657.0	2,682.9	2,977.4	2,714.7
Korea	125.0	549.1	755.8	648.0	1,001.8	1,097.8	1,423.1
South Asia	695.6	2,668.9	3,035.1	3,856.1	4,884.9	5,638.7	5,578.8
India	394.3	1,198.2	1,162.5	1,683.4	1,992.5	2,457.0	2,582.2
Bangladesh	79.2	649.7	729.1	891.3	1,121.9	1,307.1	1,268.4
Sri Lanka	136.8	456.3	599.3	642.1	1,038.4	1,159.2	1,080.8
Pakistan	85.3	321.0	511.7	592.3	679.4	664.4	600.9
West Asia	724.5	1,983.3	3,086.9	3,868.0	4,106.1	4,120.8	4,130.8
United Arab Emirates	242.5	907.2	1,506.7	1,795.9	2,116.1	2,233.5	2,286.9
Saudi Arabia	199.5	480.1	797.8	1,119.6	1,157.2	1,106.8	1,183.0
Africa	191.7	945.9	1,250.0	1,552.6	2,126.3	1,956.0	2,581.7
EC	1,724.1	7,179.8	8,105.2	9,656.1	10,795.0	11,629.7	12,046.1
Italy	161.7	711.8	800.2	952.2	906.1	917.8	927.6
France	242.6	783.5	904.2	814.0	939.9	932.6	966.1
Germany	461.9	1,901.5	2,096.5	2,355.6	2,727.0	3,120.9	3,117.8
Netherlands	398.7	1,620.8	1,665.9	2,382.5	2,764.6	3,019.3	3,245.5
United Kingdom	360.0	1,263.2	1,509.5	1,873.1	2,095.0	2,217.8	2,232.3
Belgium-Luxembourg	75.7	387.8	447.2	402.3	392.4	408.4	381.2
Spain	-	410.6	565.1	739.6	761.8	916.4	924.2
Other Europe	160.1	548.9	480.4	393.9	424.6	395.2	390.4
Oceania	639.8	1,413.2	1,735.6	2,227.5	2,654.8	3,073.1	3,188.1
Australia	520.4	1,086.4	1,309.6	1,677.6	2,089.8	2,387.6	2,417.3
New Zealand	71.7	176.4	192.8	221.8	258.2	339.6	408.3
Papua New Guinea	35.6	102.6	149.6	233.5	185.8	218.8	221.6
North America	1,205.8	3,438.5	3,696.8	4,703.3	4,697.2	5,466.8	5,702.5
Canada	17.8	107.8	104.8	225.0	245.0	232.0	213.1
USA	1,188.0	3,330.8	3,592.0	4,478.3	4,452.2	5,234.8	5,489.4
Central & South America	7.2	231.3	371.7	469.5	570.1	716.3	834.9

Source : Port of Singapore Authority

13.9

INWARD MINERAL OIL BY AREA/COUNTRY

Thousand Freight Tonnes

Area/Country	1985	1990	1991	1992	1993	1994	1995
Total	38,430.0	53,334.6	56,123.0	65,969.2	78,512.9	76,266.7	79,000.0
South East Asia	6,930.8	8,619.7	8,707.9	10,601.5	10,730.5	9,987.5	9,805.0
North East Asia	9,670.4	5,142.8	6,245.3	6,528.1	5,223.7	3,537.7	3,591.7
China	na	3,964.0	3,789.8	3,333.8	1,843.6	870.0	1,010.8
Hong Kong	9.6	91.7	233.6	80.6	114.8	141.1	450.7
Japan	60.6	647.5	802.3	995.9	781.2	933.2	895.6
Korea	na	366.7	1,161.7	1,955.9	2,274.7	1,330.1	984.1
Taiwan	512.1	72.9	255.3	161.8	209.5	263.3	250.5
South Asia	574.5	645.0	629.5	628.7	763.2	389.4	240.2
India	na	230.1	165.4	438.0	547.1	149.8	156.3
Sri Lanka	na	78.3	122.3	33.3	101.7	86.6	29.1
West Asia	na	34,569.6	34,620.9	39,982.6	53,158.6	53,148.1	58,210.6
Bahrain	511.2	1,634.1	1,498.1	1,291.0	1,213.2	935.6	662.2
Iran	5,461.9	2,489.7	3,233.1	2,836.0	5,822.9	5,013.7	6,252.5
Kuwait	2,922.3	4,252.0	806.3	3,888.9	5,288.9	7,525.7	5,647.8
Saudi Arabia	4,517.7	14,772.0	18,123.9	22,750.4	28,089.6	26,912.1	30,106.2
United Arab Emirates	na	6,676.3	6,895.4	6,232.2	6,382.1	8,448.2	10,618.3
Africa	na	634.3	317.0	841.1	1,831.2	2,049.8	1,588.8
EC	na	689.0	267.3	1,514.0	1,520.4	1,235.9	1,540.8
Other Europe	na	2.2	276.1	559.7	637.1	865.2	675.9
Oceania	1,806.9	2,003.3	2,160.5	2,082.2	2,489.3	2,155.7	1,540.9
Australia	1,566.6	1,953.2	1,847.2	1,931.1	2,471.2	2,043.0	1,433.1
New Zealand	207.1	9.5	102.7	42.0	-	-	0.9
North America	1,365.7	353.6	1,303.6	1,486.0	1,799.9	2,172.4	1,735.6
USA	1,337.0	353.5	1,303.6	1,486.0	1,799.9	2,061.5	1,667.7
Central & South America	11.9	675.1	1,514.5	1,563.4	337.3	524.2	106.1

Source : Port of Singapore Authority

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.

13.10

OUTWARD MINERAL OIL BY AREA/COUNTRY

Thousand Freight Tonnes

Area/Country	1985	1990	1991	1992	1993	1994	1995
Total	25,180.6	33,570.9	35,391.8	39,475.1	44,964.4	47,813.1	47,000.0
South East Asia	6,537.8	12,812.8	13,824.5	16,947.3	17,333.4	17,571.9	17,018.1
North East Asia	9,488.1	14,591.9	12,683.5	14,197.0	20,039.9	21,541.5	21,883.1
China	na	736.0	813.9	1,159.3	3,563.1	3,664.5	2,908.2
Hong Kong	3,357.5	5,654.9	5,069.6	6,760.9	9,908.8	10,651.0	11,427.3
Japan	5,605.9	5,900.9	4,873.1	4,003.9	3,473.0	3,899.0	4,035.7
Korea	na	834.6	992.4	1,514.6	2,270.0	1,781.8	1,626.8
Taiwan	334.9	1,458.7	933.5	758.3	825.1	1,545.2	1,885.2
South Asia	1,322.1	1,329.2	2,209.4	2,601.8	2,125.5	2,739.5	2,530.0
India	na	427.1	1,265.5	1,498.9	1,077.3	1,378.3	1,228.0
Sri Lanka	na	22.2	115.9	338.8	175.2	55.7	48.4
West Asia	na	714.7	2,716.0	1,700.9	1,502.2	983.2	657.7
Bahrain	32.5	78.8	19.1	-	-	-	-
Iran	1,362.6	26.0	320.6	530.2	88.8	230.9	25.5
Kuwait	3.8	-	84.2	130.2	-	34.8	-
Saudi Arabia	43.2	12.7	1,319.8	786.9	376.1	349.2	560.8
United Arab Emirates	na	508.6	818.6	189.5	1,024.8	232.7	-
Africa	na	63.2	286.7	12.9	76.5	81.6	241.6
EC	na	53.0	158.1	22.6	8.7	132.7	120.6
Other Europe	na	118.3	125.3	60.4	18.8	43.8	90.4
Oceania	3,105.8	2,823.7	2,496.7	2,693.8	2,602.8	3,287.7	3,458.5
Australia	1,321.7	1,301.9	1,321.7	1,523.8	1,200.9	1,582.4	1,742.0
New Zealand	830.9	74.0	46.6	20.4	-	55.0	241.5
North America	2,337.6	985.6	775.4	896.0	1,129.4	1,192.8	895.3
USA	2,267.8	985.6	775.4	896.0	1,129.4	1,192.8	895.3
Central & South America	55.1	0.4	9.1	1.7	6.1	41.7	41.7

Source : Port of Singapore Authority

Note : See notes to Table 13.9.

13.11

CIVIL AIRCRAFT LANDINGS, PASSENGERS AND PARCEL MAIL

	1985	1990	1991	1992	1993	1994	1995
Aircraft Landings (No)	36,600	48,803	54,339	62,770	68,355	72,565	78,134
Passengers ('000)							
Arriving	4,324	7,237	7,585	8,446	9,421	10,134	10,920
Departing	4,398	7,166	7,480	8,432	9,375	10,069	10,823
In Transit	1,135	1,217	1,221	1,222	1,191	1,442	1,453
Parcel Mail (Tonnes)							
In-coming	4,711	4,159	5,034	5,948	7,927	8,538	9,521
Out-going	5,741	4,535	4,679	6,073	6,759	8,401	9,543

Source : Civil Aviation Authority of Singapore

Note: Figures from 1989 refer to Changi Airport only.

13.12

AIR CARGO DISCHARGED BY REGION AND SELECTED COUNTRY OF ORIGIN

	Tonnes						
Region/Country of Origin	1985	1990	1991	1992	1993	1994	1995
Total	167,388	324,157	342,261	386,793	444,019	529,334	577,748
South East Asia	41,142	97,686	103,169	120,489	119,529	134,259	136,794
Malaysia	7,499	19,373	21,640	24,262	21,664	23,996	23,353
Philippines	3,476	3,730	3,973	4,090	5,351	7,650	8,251
Thailand	15,506	24,780	26,952	31,601	36,212	42,022	44,935
North East Asia	46,021	104,614	108,461	112,526	136,316	162,282	183,040
Hong Kong	11,152	18,992	18,633	22,373	28,644	35,562	39,403
Japan	19,078	44,564	48,170	46,957	53,557	57,450	104,707
Taiwan	11,353	22,702	22,210	21,165	25,641	35,888	46,510
South Asia	6,572	19,399	19,194	22,164	26,919	31,165	32,450
India	4,220	12,268	10,994	13,240	16,984	19,971	20,256
West Asia	1,483	2,850	1,815	2,912	4,831	10,263	9,608
Oceania	27,678	35,390	45,526	52,980	60,366	65,680	67,521
Australia	23,459	32,637	41,698	47,692	52,715	56,289	59,067
New Zealand	4,098	2,420	3,435	4,858	7,330	8,771	8,018
Europe	29,925	49,637	49,284	57,433	70,516	86,036	96,431
France	1,986	2,847	2,607	4,245	4,192	5,102	6,626
Germany ¹	2,905	4,862	4,936	7,152	8,626	10,365	11,808
Netherlands	6,105	8,544	10,152	9,906	11,772	18,389	18,209
Scandinavia	2,756	6,004	6,318	6,277	7,240	7,902	11,195
Switzerland	3,193	3,161	4,812	8,227	8,976	9,596	11,966
United Kingdom	2,796	10,662	8,165	7,906	11,377	12,052	13,545
North America	14,432	13,542	13,793	16,742	22,823	36,440	47,945
USA	14,294	12,354	12,012	14,738	21,458	35,121	46,257
Other Regions	135	1,036	1,019	1,546	2,719	3,208	3,959

Source : Civil Aviation Authority of Singapore

Notes : Data refer to Changi Airport only. Data exclude passenger baggage, diplomatic cargo and aircraft stores.

¹ Data prior to 1991 referred to Federal Republic of Germany only.

13.13

AIR CARGO LOADED BY REGION AND SELECTED
COUNTRY OF DESTINATION

Region/Country	Tonnes						
	1985	1990	1991	1992	1993	1994	1995
Total	132,631	299,684	300,948	332,212	394,397	480,430	528,024
South East Asia	40,161	77,935	71,229	78,534	93,143	121,047	126,481
Malaysia	14,252	20,396	21,316	20,785	25,533	28,069	31,272
Philippines	3,686	6,066	5,502	6,851	8,463	10,130	12,791
Thailand	6,057	20,293	19,384	23,234	27,597	41,565	36,446
North East Asia	29,290	90,310	103,732	112,125	136,631	166,943	197,688
Hong Kong	8,901	24,181	27,296	28,388	35,840	40,065	45,106
Japan	12,442	41,121	48,331	51,312	56,016	61,934	74,741
Taiwan	2,660	8,178	9,567	13,436	18,413	31,910	36,626
South Asia	8,161	13,550	12,555	13,830	17,150	21,362	25,979
India	4,590	7,550	6,280	7,360	9,491	11,540	15,855
West Asia	3,791	7,328	6,371	7,360	10,583	12,506	11,264
Oceania	12,363	25,877	26,133	27,683	32,114	40,720	43,573
Australia	9,448	20,486	21,068	22,141	25,482	32,394	35,423
New Zealand	2,494	4,335	4,024	4,504	5,711	7,424	7,226
Europe	27,455	61,310	60,726	68,954	73,229	80,721	82,938
France	2,529	2,999	2,481	2,884	2,241	3,339	4,928
Germany ¹	3,040	5,856	5,519	6,505	7,985	8,836	10,106
Netherlands	5,452	10,475	10,763	13,440	13,729	16,963	14,766
Scandinavia	1,224	3,843	4,092	4,602	4,354	4,008	5,762
Switzerland	3,463	3,014	3,643	7,428	7,050	6,627	8,289
United Kingdom	6,670	12,923	11,611	10,526	11,899	12,594	12,994
North America	11,084	19,797	16,749	20,402	27,869	32,960	35,620
USA	11,017	18,323	15,086	18,676	26,465	31,798	34,408
Other Regions	326	3,578	3,453	3,324	3,678	4,170	4,481

Source : Civil Aviation Authority of Singapore

Note : See notes to Table 13.12.

13.14

AIR PASSENGER ARRIVALS BY REGION AND SELECTED
COUNTRY OF EMBARKATION

Thousand

Region/Country	1985	1990	1991	1992	1993	1994	1995
Total	4,324	7,237	7,585	8,446	9,421	10,134	10,920
South East Asia	2,203	3,425	3,661	3,980	4,420	4,614	4,944
ASEAN	2,202	3,419	3,638	3,918	4,317	4,569	4,863
Brunei	na	113	116	121	127	129	133
Indonesia	na	862	957	1,080	1,162	1,265	1,400
Malaysia	na	1,439	1,623	1,696	1,818	1,842	1,930
Philippines	na	155	161	179	208	229	207
Thailand	na	849	782	842	1,002	1,004	1,074
Vietnam	na	na	na	na	na	100	119
North East Asia	850	1,615	1,728	2,029	2,217	2,471	2,761
Hong Kong	418	557	571	650	725	733	795
Japan	293	759	758	814	871	961	1,045
Taiwan	96	195	263	322	351	433	467
South Asia	226	394	391	440	480	517	602
India	155	244	227	258	269	289	348
Pakistan	17	23	23	28	34	39	40
Sri Lanka	31	74	83	89	96	98	100
West Asia	91	56	74	106	115	123	126
Oceania	425	773	750	826	930	1,029	1,056
Australia	354	656	640	713	795	873	908
New Zealand	57	97	92	95	120	138	134
Europe	447	782	775	819	945	1,033	1,075
France	31	42	43	51	63	76	74
Germany ¹	42	103	104	126	167	180	197
Netherlands	64	85	86	90	93	110	117
Scandinavia	24	40	48	47	47	47	46
Switzerland	31	51	58	54	69	77	89
United Kingdom	178	289	301	313	340	359	384
North America	68	139	154	176	222	246	241
USA	66	120	132	151	197	221	220
Other Regions	13	53	51	69	92	102	115

Source : Civil Aviation Authority of Singapore

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 Federal Republic of Germany only.

13.15

AIR PASSENGER DEPARTURES BY REGION AND SELECTED
COUNTRY OF DISEMBARKATION

Thousand

Region/Country	1985	1990	1991	1992	1993	1994	1995
Total	4,398	7,166	7,480	8,432	9,375	10,069	10,823
South East Asia	2,194	3,302	3,535	3,880	4,303	4,522	4,825
ASEAN	2,191	3,295	3,511	3,816	4,207	4,481	4,753
Brunei	na	113	111	118	126	127	132
Indonesia	na	893	1,006	1,126	1,218	1,336	1,467
Malaysia	na	1,321	1,471	1,554	1,656	1,684	1,767
Philippines	na	136	145	169	196	224	215
Thailand	na	831	778	848	1,011	1,011	1,053
Vietnam	na	na	na	na	na	99	119
North East Asia	844	1,603	1,729	2,060	2,266	2,495	2,779
Hong Kong	395	531	549	643	740	741	797
Japan	305	778	778	885	886	963	1,059
Taiwan	96	187	268	351	369	454	491
South Asia	254	378	370	420	459	491	553
India	171	233	216	244	263	277	323
Pakistan	19	23	24	31	35	39	40
Sri Lanka	34	69	72	84	91	94	93
West Asia	97	59	76	99	106	115	113
Oceania	465	843	809	877	990	1,082	1,135
Australia	391	722	696	755	846	922	979
New Zealand	61	102	96	104	127	144	143
Europe	452	780	755	833	925	1,012	1,048
France	35	41	41	54	63	74	73
Germany ¹	48	103	104	126	155	171	189
Netherlands	56	74	77	86	87	103	110
Scandinavia	28	44	51	52	48	48	47
Switzerland	41	55	60	60	73	85	94
United Kingdom	156	274	279	299	325	355	371
North America	77	150	152	191	231	251	256
USA	76	126	130	166	204	224	235
Other Regions	14	52	53	72	95	102	114

Source : Civil Aviation Authority of Singapore

Note : See notes to Table 13.14.

13.16

PUBLIC ROADS

(End of Period)

	1985	1990	1991	1992	1993	1994	1995	Kilometres
Total	2,645	2,882	2,924	2,967	2,989	3,027	3,056	
Paved Roads	2,507	2,798	2,840	2,883	2,905	2,943	2,972	
Expressways	73	104	108	109	112	128	132	
Major Arterial Roads	435	529	539	554	563	565	567	
Collector Roads	202	260	282	305	309	315	326	
Local Roads Improved	1,797	1,905	1,911	1,915	1,921	1,935	1,947	
Local Roads Unimproved	138	84	84	84	84	84	84	

Source : Public Works Department

13.17

MOTOR VEHICLE POPULATION

(End of Period)

	1985	1990	1991	1992	1993	1994	1995	Number
Total	486,760	542,352	559,304	557,584	584,322	611,611	642,129	
Cars ¹	221,279	271,174	283,746	285,500	303,864	321,556	342,245	
Rental Cars	4,030	3,343	3,665	3,879	4,141	4,341	5,144	
Taxis	10,941	12,239	12,705	13,445	13,917	14,750	16,517	
Buses	8,717	9,448	9,478	9,658	9,716	10,198	10,723	
Goods Vehicles	107,146	115,536	118,209	119,335	122,739	123,844	126,428	
Motor Cycles & Scooters	127,564	122,525	122,410	116,532	119,939	126,156	129,587	
Others	7,083	8,087	9,091	9,235	10,006	10,766	11,485	

Source : Land Transport Authority

¹ Include private cars and company cars.

13.18

ROAD CASUALTIES

	1985	1990	1991	1992	1993	1994	1995
Total ¹							
Killed	265	236	243	240	258	255	225
Injured	9,506	6,667	6,591	7,190	7,636	6,751	6,718
Pedestrians							
Killed	75	88	69	65	61	67	63
Injured	1,513	1,039	912	995	930	841	831
Pedal Cyclists, Trishaw Riders & Passengers							
Killed	28	16	18	18	19	17	7
Injured	419	249	258	263	265	240	239
Motor Cyclists & Passengers							
Killed	84	89	112	103	123	118	117
Injured	3,899	3,114	3,105	3,502	3,840	3,546	3,538
Motor Vehicle Drivers & Passengers							
Killed	76	42	41	48	52	51	38
Injured	3,606	2,198	2,241	2,327	2,503	2,055	2,050

Source : Police Department

1 Include other categories of road users not shown in table.

13.19

VEHICLES INVOLVED IN ROAD ACCIDENTS BY TYPE OF VEHICLE

	1985	1990	1991	1992	1993	1994	1995
Total	12,143	8,967	8,666	9,171	9,679	8,856	8,867
Pedal Cycles	463	280	285	289	287	260	252
Motor Cycles & Scooters	3,761	2,969	2,922	3,180	3,462	3,211	3,187
Motor Cars	4,500	3,615	3,524	3,666	3,823	3,436	3,449
Light Goods Vehicles	1,249	729	670	672	655	597	567
Heavy Goods Vehicles ¹	1,034	715	755	815	901	850	872
Buses	983	508	412	467	450	427	454
Others	153	151	98	82	101	75	86

Source : Police Department

1 Cover lorries, tippers and trailers only.

Thousand

	1985	1990	1991	1992	1993	1994	1995
Subscribers							
Telephone ¹	818	1,040	1,086	1,154	1,227	1,310	1,400
Mobile Phone ¹	na	46	75	110	162	222	292
Pager ²	67	268	333	425	525	652	828
Dial-up Internet ^{1,3}	na	na	na	na	na	2	25
Out-going International							
Telegrams	307	221	205	179	164	105	44
Telex Calls	16,243	9,534	7,808	6,270	5,178	4,548	4,200
Telephone Calls ⁴	15,725	73,888	88,438	105,246	123,680	146,093	174,000
Telephone Lines Installed ¹							
Residential	796	1,040	1,080	1,153	1,227	1,310	1,400
	581	699	719	747	777	816	858
Postal Articles Handled	627,991	869,760	931,398	989,617	1,116,587	1,181,129	1,245,124

Source : Telecommunication Authority of Singapore

Singapore Telecom

Singapore Post

1 As at end of period.

2 As at March of period.

3 The first commercial Internet service, SingNet, was launched in July 1994.

Figures prior to 1995 exclude subscriptions from academic, government and R & D organisations.

4 Exclude calls to Peninsular Malaysia.

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.

Definitions

Events : These refer to any form of organised gatherings such as corporate meetings, conventions, congresses, conferences, symposiums, seminars, trade shows, fairs, exhibitions, or incentive meetings.

Conventions : The terms "congress", "conference", "convention", "symposium" and "seminar" are used interchangeably.

Exhibitions : Trade shows, exhibitions and trade fairs are interchangeable terms. An exhibition is defined as an event held during a limited period of time at which a large number of exhibitors display product samples or services with the ultimate goal of selling to the trade, industrial users and bulk buyers.

Incentive Travel: This refers to any form of travel programme sponsored by a company to reward or motivate employees to achieve extraordinary levels of performance.

Foreign Participants : They refer to foreign nationals who are not permanent residents of Singapore, nor are they based in Singapore; delegates, speakers, observers, and members of the press are included.

14.1

VISITOR ARRIVALS BY REGION AND SELECTED COUNTRY OF RESIDENCE

Region/Country	Thousand						
	1985	1990	1991	1992	1993	1994	1995
Total	3,031.0	5,322.9	5,414.7	5,989.9	6,425.8	6,899.0	7,137.3
America	219.0	337.1	326.8	367.2	389.6	428.1	425.8
Canada	31.0	61.1	58.5	63.9	63.9	65.5	61.9
USA	176.3	261.4	253.8	287.6	307.4	343.7	345.6
Asia	1,960.7	3,427.3	3,693.1	4,127.7	4,470.4	4,918.8	5,231.6
ASEAN	1,008.5	1,442.8	1,680.3	1,810.9	1,940.5	2,141.1	2,189.9
Hong Kong	97.7	194.1	213.1	232.6	252.8	270.8	279.8
India	218.5	216.5	209.7	195.5	179.7	173.8	188.5
Japan	377.7	971.6	871.3	1,000.8	1,001.0	1,109.4	1,179.0
Korea	30.8	108.4	133.4	156.4	198.3	290.3	351.9
Pakistan	20.9	33.2	37.8	40.2	36.4	38.8	51.1
Saudi Arabia	20.9	16.9	16.4	20.7	21.2	21.1	18.7
Sri Lanka	25.2	47.8	56.0	58.1	47.2	47.5	48.8
Taiwan	82.8	224.8	287.1	386.1	427.0	510.8	563.3
Europe	468.4	943.6	888.0	957.6	1,019.6	1,016.7	966.0
Austria	9.3	23.2	18.0	19.6	20.6	21.4	21.6
Belgium & Luxembourg	9.5	17.9	15.8	18.3	19.6	21.6	18.9
France	41.4	73.1	69.6	73.8	77.2	77.2	74.6
Greece	9.0	18.3	14.1	15.0	15.1	15.3	14.5
Italy	26.0	56.3	51.8	56.6	64.5	53.5	47.0
Netherlands	40.5	73.8	72.2	78.2	78.6	75.9	70.6
Scandinavia	45.4	100.5	95.2	92.5	90.9	95.0	93.5
Switzerland	32.2	60.4	57.7	60.6	62.5	60.1	54.3
United Kingdom	158.4	296.6	274.7	303.3	310.7	302.0	288.7
Germany ¹	73.9	140.8	142.4	160.4	188.2	196.0	190.2
CIS ² & Eastern Europe	11.3	49.5	46.5	37.9	42.3	51.4	47.0
Oceania	368.8	550.7	449.9	467.1	447.9	434.3	426.6
Australia	300.8	456.6	368.0	385.1	365.1	347.4	346.8
New Zealand	57.5	72.7	62.0	62.0	63.0	69.1	66.2
Others	14.1	64.2	56.8	70.3	98.2	101.1	87.2
Africa	13.0	56.2	55.7	69.7	97.6	100.7	86.9

Source : Singapore Tourist Promotion Board

Note : Exclude arrivals of Malaysians by land.

¹ Data prior to 1991 referred to Federal Republic of Germany only.

² CIS denotes The Commonwealth of Independent States formerly known as Soviet Union.

14.2 VISITOR ARRIVALS BY (a) SEX AND (b) AGE GROUP

Thousand

	1990	1991	1992	1993	1994	1995
Total	5,322.9	5,414.7	5,989.9	6,425.8	6,899.0	7,137.3
Sex						
Males	3,313.9	3,373.0	3,701.7	3,982.7	4,204.2	4,361.4
Females	2,009.0	2,041.7	2,288.2	2,443.1	2,694.7	2,775.9
Age Group (Years)						
Under 15	338.2	337.4	366.8	397.5	439.8	468.0
15 - 19	141.8	147.9	160.4	172.4	186.6	193.4
20 - 24	466.0	485.3	528.7	530.0	561.5	567.7
25 - 34	1,412.3	1,471.3	1,577.3	1,649.0	1,763.5	1,817.8
35 - 44	1,274.7	1,318.1	1,421.3	1,517.9	1,612.4	1,663.5
45 - 54	892.8	893.3	1,035.8	1,165.2	1,262.7	1,317.3
55 - 64	519.7	493.1	583.2	656.1	706.8	742.4
65 & Over	250.8	232.6	281.8	308.2	338.8	348.6
Not Stated	26.6	35.7	34.6	29.5	27.1	20.6

Source : Singapore Tourist Promotion Board

Note : Exclude arrivals of Malaysians by land.

14.3

VISITOR ARRIVALS BY (a) PURPOSE OF VISIT AND (b) TYPE OF ACCOMMODATION

Thousand									
	1985	1990	1991	1992	1993	1994	1995		
Total	3,031.0	5,322.9	5,414.7	5,989.9	6,425.8	6,899.0	7,137.3		
Purpose of Visit									
Holiday	1,904.3	3,312.4	3,133.1	3,519.1	3,751.9	4,024.1	3,965.4		
Business	395.7	691.5	759.9	792.3	863.0	929.4	1,010.8		
Business & Holiday	162.4	214.3	198.5	199.8	206.6	213.3	212.4		
In Transit	293.0	481.2	501.8	544.3	621.8	630.8	714.6		
Others	275.5	623.4	821.4	934.4	982.5	1,101.4	1,234.1		
Type of Accommodation									
Hotel	2,145.5	4,010.2	3,897.8	4,381.5	4,709.9	5,065.9	5,121.3		
Residence of Friends/Relatives	447.7	609.5	697.1	715.5	743.3	745.5	766.7		
Others	259.9	426.3	512.2	564.2	599.3	686.0	806.7		
No Accommodation Required	177.9	276.8	307.6	328.7	373.3	401.6	442.6		

Source : Singapore Tourist Promotion Board
Note : Exclude arrivals of Malaysians by land.

14.4 VISITOR ARRIVALS BY LENGTH OF STAY

	Thousand						
Length of Stay (Days)	1985	1990	1991	1992	1993	1994	1995
Total	2,883.5	5,051.3	5,269.6	5,854.1	6,251.7	6,723.5	6,902.2
Under 1	290.8	566.1	709.7	802.7	872.6	969.6	1,066.6
1	636.5	1,044.2	1,133.3	1,273.0	1,462.2	1,606.1	1,727.5
2	619.5	1,172.2	1,178.3	1,382.0	1,503.2	1,589.7	1,577.0
3	450.6	873.5	853.1	958.3	977.2	1,041.3	1,019.2
4 - 7	581.0	920.7	872.9	907.1	916.3	994.2	983.3
8 - 14	191.5	318.6	351.2	351.2	339.0	331.3	325.5
15 - 29	)	)	100.4	103.0	102.1	108.8	121.9
30 - 59	) 113.6	) 156.0	41.9	45.4	44.8	46.9	45.7
60 & Over	)	)	28.8	31.4	34.3	35.6	35.5
Average Length of Stay (Days)	3.5	3.3	3.9	3.7	3.6	3.5	3.4

Source : Singapore Tourist Promotion Board

Notes : Exclude arrivals of Malaysians by land.

Refer to visitors who left Singapore during the period specified.

14.5 HOTELS AND CESS COLLECTION

	1985	1990	1991	1992	1993	1994	1995
Tourist Hotels ¹							
Number (At End Year)	59	65	67	68	70	75	80
Number of Rooms Available	16,172	22,408	22,700	23,342	23,959	24,601	25,590
Weighted Average Hotel Tariff (\$)							
Single	115	180	178	179	171	173	183
Double	123	194	191	190	180	181	189
Average Occupancy Rate (%)	65.9	84.0	76.7	79.8	83.4	86.6	84.1
Cess Collected ² (\$ ' 000)	10,998.5	38,607.4	30,883.3	37,258.9	40,483.6	19,748.7	11,896.1
Cess on Food & Beverages ² (\$ ' 000)	23,557	51,210	42,475	53,086	59,957	28,406	16,272

Source : Singapore Tourist Promotion Board

Customs & Excise Department

1 Refer to gazetted hotels.

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

14.6

CONVENTIONS, EXHIBITIONS AND INCENTIVE GROUPS

	Number						
	1984	1989	1990	1991	1992	1993	1994
Events							
Conventions	376	468	500	390	582	702	642
Exhibitions	58	58	64	67	76	78	96
Incentive groups	679	2,089	2,144	2,447	2,548	3,307	3,348
Foreign Participants							
Conventions	25,770	34,766	47,019	38,176	34,176	34,864	52,591
Exhibitions	115,828	215,023	387,734	180,755	249,170	243,476	216,455
Incentive Groups	27,605	90,088	82,511	84,381	99,025	117,630	113,582

Source : Singapore Tourist Promotion Board

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 the 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 out 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 the 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 and Current accounts. The deposit base at the end of each year includes interest credited.

Central Provident Fund

Please see text in Section 4.

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 International Monetary Fund.

Special Drawing Rights (SDR) : Refers to an international reserve asset created by the 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.

15.1 CURRENCY IN CIRCULATION

(End of Period)

	1985	1990	1991	1992	1993	1994	1995
Gross Circulation (\$m)	5,149.1	7,711.8	8,168.7	8,971.0	9,674.7	10,169.6	10,756.5
Notes	4,871.0	7,222.3	7,645.7	8,411.2	9,073.3	9,520.2	10,053.9
Coins	278.1	489.5	523.0	559.8	601.4	649.4	702.6
Active Circulation ¹ (\$m)	4,739.0	7,108.5	7,497.1	8,279.2	8,942.1	9,420.3	9,906.5
Ratio of Active to Gross Circulation (%)	92.0	92.2	91.8	92.3	92.4	92.6	92.1

Source : Board of Commissioners of Currency, Singapore

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.

15.2 MONEY SUPPLY

(End of Period)

	1985	1990	1991	1992	1993	1994	1995
Million Dollars							
Money Supply (M1)	8,785.0	15,260.9	16,430.0	18,515.6	22,882.2	23,411.5	25,349.2
Currency in Active Circulation ¹	4,739.0	7,108.5	7,497.1	8,279.2	8,942.1	9,420.3	9,906.5
Demand Deposits of Private Sector	4,046.0	8,152.4	8,932.9	10,236.4	13,940.1	13,991.2	15,442.7
Money Supply (M2)	28,147.7	61,845.1	69,542.3	75,728.5	82,130.3	93,980.6	101,967.3
M1	8,785.0	15,260.9	16,430.0	18,515.6	22,882.2	23,411.5	25,349.2
Quasi-Money	19,362.7	46,584.2	53,112.3	57,212.9	59,248.1	70,569.1	76,618.1
Fixed Deposits	13,789.2	35,965.9	40,852.0	43,176.4	40,321.0	53,622.8	54,908.2
S\$ Negotiable Cert of Deposits	24.7	1,160.3	921.8	741.1	835.4	596.2	815.1
Savings and Other Deposits	5,548.8	9,458.0	11,338.5	13,295.4	18,091.7	16,350.1	20,894.8
Money Supply (M3)	37,028.5	75,792.4	84,199.7	91,082.1	100,969.4	117,035.1	128,836.6
M2	28,147.7	61,845.1	69,542.3	75,728.5	82,130.3	93,980.6	101,967.3
Net Deposits with Non-bank Financial Institutions ²							
Finance Companies	4,359.3	7,419.4	7,557.3	8,060.9	9,301.3	11,863.8	13,273.7
Post Office Savings Bank	4,521.5	6,527.9	7,100.1	7,292.7	9,537.8	11,190.7	13,595.6

Source : Monetary Authority of Singapore

1 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.

2 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.

15.3 CHANGES IN MONEY SUPPLY AND UNDERLYING FACTORS

(Changes During Year)

Million Dollars

	1985	1990	1991	1992	1993	1994	1995
Money Supply (M1)	-81.3	1,516.3	1,169.1	2,085.6	4,366.6	529.3	1,937.7
Private Sector							
Bank Credit to Private Sector	189.0	7,040.6	6,928.2	6,124.3	10,432.3	12,093.6	18,510.5
Quasi Money	1,108.2	8,783.3	6,528.1	4,100.6	2,035.2	11,321.0	6,049.0
Excess of Lending or of Deposits (-)	-919.2	-1,742.7	400.1	2,023.7	8,397.1	772.6	12,461.5
Public Sector							
Bank Credit to Government	267.3	1,096.5	1,842.2	1,821.9	1,170.6	810.7	2,185.6
Government Deposits with Banks	3,350.4	3,601.4	3,034.0	5,376.1	5,643.6	5,788.7	9,756.3
Excess of Lending or of Deposits (-)	-3,083.1	-2,504.9	-1,191.8	-3,554.2	-4,473.0	-4,978.0	-7,570.7
Net Foreign Assets of Banking System							
Monetary Authorities ¹	2,088.8	7,799.1	5,062.3	7,514.2	9,773.7	5,860.3	9,703.0
Banks	1,017.9	-3,045.3	1,670.8	1,172.7	-4,391.4	-1,707.3	-7,903.9
Others	814.3	1,010.1	-4,772.3	-5,070.8	-4,939.8	581.7	-4,752.2

Source : Monetary Authority of Singapore

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

15.4 OFFICIAL FOREIGN RESERVES

(End of Period)

Million Dollars

	1985	1990	1991	1992	1993	1994	1995
Total Foreign Reserves	27,070.9	48,521.3	55,802.8	65,788.4	77,866.8	85,165.5	97,336.6
Special Drawing Rights	164.9	274.9	279.1	203.0	214.9	224.6	240.1
Reserve Position in the International Monetary Fund	212.2	212.5	199.7	346.4	361.2	381.5	430.3
Gold & Foreign Exchange	26,693.8	48,033.9	55,324.0	65,239.0	77,290.7	84,559.4	96,666.2

Source : Monetary Authority of Singapore

15.5 EXCHANGE RATES

(Average for the Year)

Currency	1985	1990	1991	1992	1993	1994	1995
Singapore Dollar Per							
Ringgit Malaysia	0.8864	0.6702	0.6283	0.6398	0.6277	0.5823	0.5651
US Dollar	2.2002	1.8125	1.7276	1.6290	1.6158	1.5274	1.4174
Sterling Pound	2.8448	3.2262	3.0559	2.8762	2.4271	2.3377	2.2369
Deutschemark	0.7520	1.1223	1.0449	1.0451	0.9781	0.9423	0.9900
French Franc	0.2464	0.3331	0.3073	0.3083	0.2858	0.2754	0.2843
100 Japanese Yen	0.9275	1.2548	1.2843	1.2869	1.4568	1.4951	1.5154
100 Korean Won	0.2531	0.2563	0.2357	0.2087	0.2014	0.1900	0.1838
100 New Taiwan Dollar	5.5221	6.7432	6.4415	6.4724	6.1279	5.7724	5.3382
Hong Kong Dollar	0.2824	0.2327	0.2223	0.2104	0.2089	0.1976	0.1832
Australian Dollar	1.5428	1.4157	1.3454	1.1978	1.0983	1.1166	1.0510

Source : Monetary Authority of Singapore

15.6 ASSETS OF BANKS

(End of Period)

Million Dollars

	1985	1990	1991	1992	1993	1994	1995
Total	70,618.0	134,002.0	136,093.4	153,302.4	170,250.4	201,952.5	224,578.7
Cash	303.5	471.2	532.9	543.1	578.3	593.5	688.8
Amounts Due from Banks	20,768.4	55,205.7	47,683.6	57,724.2	62,516.6	79,152.9	79,837.0
In Singapore	5,341.5	18,438.4	12,058.3	11,936.4	17,401.5	28,411.2	30,926.6
Outside Singapore ¹	15,426.9	36,767.3	35,625.3	45,787.8	45,115.1	50,741.7	48,910.4
Balances with The Monetary Authority of Singapore	1,830.1	3,486.3	4,227.4	4,764.5	5,198.9	5,564.3	6,471.8
Money at Call with Discount Houses ²	2,290.0	-	-	-	-	-	-
S\$ Negotiable Certificates of Deposit Held	105.0	296.6	271.7	198.6	180.3	71.0	104.9
Investments in Securities & Equities	5,073.0	12,365.7	14,224.9	16,377.1	17,976.0	19,496.4	22,299.0
In Singapore	4,880.4	12,024.1	13,894.2	16,089.2	17,559.8	18,326.6	21,169.8
Outside Singapore	192.6	341.6	330.7	287.9	416.3	1,169.8	1,129.2
Loans & Advances Including Bills Financing	37,403.1	57,696.4	64,009.1	69,138.9	78,454.3	90,974.2	108,974.0
Bills Discounted or Purchased	3,628.0	4,952.0	5,466.0	5,710.3	5,835.8	6,247.8	6,879.2
Payable outside Singapore	1,254.4	1,535.9	1,332.3	1,610.8	1,530.6	1,947.2	2,211.7
Payable inside Singapore	2,373.7	3,416.1	4,133.8	4,099.5	4,305.3	4,300.6	4,667.6
Loans & Advances	33,775.0	52,744.4	58,543.0	63,428.6	72,618.4	84,726.4	102,094.7
All Other Assets	2,844.8	4,480.9	5,143.8	4,556.0	5,346.0	6,100.3	6,203.2

Source : Monetary Authority of Singapore

1 Include Asian Currency Units.

2 Discount houses ceased operations in May 1987.

15.7 LIABILITIES OF BANKS (End of Period)

Million Dollars

	1985	1990	1991	1992	1993	1994	1995
Total	70,618.0	134,002.0	136,093.4	153,302.4	170,250.4	201,952.5	224,578.7
Deposits of Non-bank Customers	28,744.5	63,979.7	72,241.1	78,483.2	85,400.8	99,032.2	108,885.5
Demand Deposits	4,700.2	9,169.9	10,290.8	11,635.0	15,765.4	15,787.6	17,537.8
Fixed Deposits	17,940.8	44,407.3	49,528.9	52,136.9	49,877.9	65,083.2	67,389.6
Savings Deposits	5,982.7	10,009.8	11,981.1	14,208.8	16,895.3	16,900.2	23,501.3
Other Deposits	120.7	392.6	440.3	502.5	2,862.1	1,261.2	456.8
S\$ Negotiable Certificates of Deposit Issued	263.6	1,457.0	1,193.5	939.7	1,015.7	667.2	920.0
Amounts Due to Banks	29,531.1	52,697.1	45,002.1	54,397.4	62,264.7	77,295.1	86,063.1
In Singapore	5,724.1	14,512.3	10,419.7	11,862.8	16,626.7	25,125.5	29,881.0
Outside Singapore ¹	23,807.0	38,184.8	34,582.4	42,534.6	45,638.0	52,169.6	56,182.1
All Other Liabilities	12,078.8	15,868.2	17,656.7	19,482.1	21,569.2	24,958.0	28,710.1

Source : Monetary Authority of Singapore

¹ Include Asian Currency Units.

15.8 BANKS' LOANS AND ADVANCES TO NON-BANK CUSTOMERS BY INDUSTRY (End of Period)

Million Dollars

	1985	1990	1991	1992	1993	1994	1995
Total (Including bills financing)	37,403.1	57,696.4	64,009.1	69,138.9	78,454.3	90,974.2	108,974.0
Agriculture, Mining & Quarrying	147.4	85.6	96.9	86.5	105.5	119.8	159.3
Manufacturing	5,669.3	7,488.9	8,122.6	8,380.4	8,353.4	8,856.2	11,003.1
Building & Construction ¹	7,997.4	12,864.3	15,578.4	17,911.2	23,112.6	28,212.8	34,175.4
General Commerce	10,105.0	13,686.1	15,694.7	17,188.8	17,732.6	19,442.6	21,643.9
Transport, Storage & Communications	1,183.0	1,736.7	1,816.9	1,939.8	1,837.8	1,902.2	2,178.1
Financial Institutions	5,658.8	9,923.0	10,317.9	11,250.2	13,132.5	13,644.4	16,916.1
Professional & Private Individuals	4,285.9	7,752.3	8,290.2	8,135.5	9,352.8	13,786.0	16,889.5
Others	2,356.3	4,159.4	4,091.5	4,246.5	4,826.9	5,010.2	6,008.6

Source : Monetary Authority of Singapore

Notes : All data on bills financing include bills refinanced by discount houses and the Monetary Authority of Singapore.

Discount houses ceased operations in May 1987.

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

ASSETS AND LIABILITIES OF ASIAN CURRENCY UNITS

(End of Period)

Million US Dollars

	1985	1990	1991	1992	1993	1994	1995
Assets							
Total	155,374.2	390,395.5	357,725.0	355,378.6	386,103.0	416,345.4	478,454.6
Loans to Non-bank Customers	37,440.3	125,516.1	134,078.2	134,184.1	136,857.3	145,822.5	173,269.3
Inter-bank Funds	104,933.2	239,119.8	197,028.2	194,757.7	214,276.8	234,338.5	258,765.4
In Singapore	4,618.7	8,744.6	8,221.1	9,726.4	12,716.9	17,106.7	18,591.6
Inter-Asian Currency Units	26,991.8	34,440.2	26,626.4	26,740.3	31,713.5	36,356.6	39,669.5
Outside Singapore	73,322.7	195,935.0	162,180.7	158,291.1	169,846.4	180,875.2	200,504.2
Other Assets	13,000.7	25,759.6	26,618.6	26,436.8	34,968.9	36,184.4	46,419.9
Liabilities							
Total	155,374.2	390,395.5	357,725.0	355,378.6	386,103.0	416,345.4	478,454.6
Deposits of Non-bank Customers	28,018.7	66,885.6	63,499.4	63,612.2	62,669.0	65,787.8	80,603.6
Inter-bank Funds	120,030.2	309,427.1	281,813.5	279,821.3	308,940.1	333,537.9	376,106.6
In Singapore	4,174.2	11,955.8	14,258.8	18,194.7	18,502.5	22,676.3	25,133.5
Inter-Asian Currency Units	26,993.8	34,438.1	26,624.1	26,741.6	31,716.6	36,354.3	39,670.2
Outside Singapore	88,862.1	263,033.2	240,930.5	234,885.0	258,721.1	274,507.2	311,302.8
Other Liabilities	7,325.3	14,082.8	12,412.1	11,945.1	14,493.9	17,019.7	21,744.4

Source : Monetary Authority of Singapore

	1985	1990	1991	1992	1993	1994	1995
Total	2,997.7	2,932.4	2,627.7	2,702.8	4,086.4	2,112.2	4,770.7
Agriculture, Mining & Quarrying	1.1	1.0	2.2	0.6	0.8	0.4	0.4
Manufacturing	223.9	180.0	220.9	262.2	243.7	228.3	470.4
Building & Construction	898.3	712.4	861.7	878.6	1,066.4	1,243.7	1,308.1
General Commerce	286.6	368.6	433.9	404.2	393.0	442.7	590.4
Transport, Storage & Communications	28.2	142.1	202.2	219.3	272.7	267.3	411.2
Financial Institutions	330.4	302.1	292.1	200.6	289.2	242.7	472.9
Professionals & Private Individuals	712.2	738.2	938.4	980.8	1,180.3	1,907.7	2,208.6
Others	186.0	286.0	280.8	242.2	218.2	282.2	201.4

15.10

ASSETS AND LIABILITIES OF FINANCE COMPANIES

(End of Period)

Million Dollars

	1985	1990	1991	1992	1993	1994	1995
Assets							
Total	6,935.7	11,423.6	12,459.8	13,207.6	14,994.4	18,997.7	21,135.5
Cash	10.2	13.0	12.9	11.7	12.4	14.8	13.7
Balances with The Monetary Authority of Singapore	288.4	456.5	464.6	493.6	578.7	728.2	836.1
Deposits with Banks & Other Institutions	1,002.6	2,389.3	2,478.7	2,207.1	1,802.3	2,333.6	2,666.1
Investments	151.7	579.0	614.5	702.3	845.5	942.9	1,089.8
Loans & Advances	5,313.6	7,765.7	8,666.3	9,563.7	11,516.8	14,708.6	16,251.9
Hire Purchase Finance	583.7	2,076.8	2,384.1	3,045.9	4,245.8	5,616.1	5,580.2
Housing Loans	1,386.5	1,606.2	1,523.9	1,473.6	1,826.9	2,314.3	2,637.3
Other Loans & Advances	3,343.4	4,082.8	4,758.3	5,044.3	5,444.2	6,778.2	8,034.4
Other Assets	169.1	220.1	222.9	229.3	238.8	269.7	277.9
Liabilities							
Total	6,935.7	11,423.6	12,459.8	13,207.6	14,994.4	18,997.7	21,135.5
Capital & Reserves	1,131.9	1,415.8	1,510.3	1,678.9	1,850.2	2,202.9	2,620.9
Deposits from Individuals & Institutions	5,014.0	8,397.2	8,972.1	9,550.9	10,567.8	13,790.3	15,417.8
Savings Deposits	278.8	273.2	296.2	342.4	350.5	320.5	348.8
Fixed Deposits	4,306.7	7,719.2	8,323.8	8,685.1	9,729.2	12,345.5	13,584.6
Other Deposits	428.5	404.9	352.1	523.4	488.0	1,124.3	1,484.4
Other Liabilities	789.8	1,610.5	1,977.4	1,977.8	2,576.4	3,004.5	3,096.8

Source : Monetary Authority of Singapore

15.11

FINANCE COMPANIES' LOANS AND ADVANCES BY INDUSTRY

(End of Period)

Million Dollars

	1985	1990	1991	1992	1993	1994	1995
Total	2,699.7	2,935.4	3,637.7	3,792.8	4,096.4	5,115.2	6,938.7
Agriculture, Mining & Quarrying	1.1	1.0	3.3	0.6	0.8	0.4	0.9
Manufacturing	223.9	180.0	229.9	262.5	243.7	228.5	470.4
Building & Construction	898.3	715.4	861.7	879.6	1,096.4	1,243.7	1,508.4
General Commerce	286.6	369.6	455.9	404.2	395.0	442.7	859.6
Transport, Storage & Communications	58.2	145.1	202.5	219.3	272.3	267.3	313.5
Financial Institutions	330.4	502.1	595.2	700.6	589.5	742.7	955.9
Professional & Private Individuals	715.2	736.2	938.4	980.8	1,180.3	1,907.7	2,568.6
Others	186.0	286.0	350.8	345.2	318.3	282.2	261.4

Source : Monetary Authority of Singapore

15.12

ASSETS AND LIABILITIES OF MERCHANT BANKS

(End of Period)

Million Dollars

	1985	1990	1991	1992	1993	1994	1995
Assets							
Total	28,207.0	32,336.0	30,022.5	36,786.7	42,205.3	45,049.4	50,253.1
Amounts Due from Banks	9,768.7	12,920.6	11,573.2	11,343.3	15,828.2	18,590.9	21,678.6
In Singapore	332.1	664.0	682.2	616.8	609.0	997.6	715.2
Outside Singapore ¹	9,436.6	12,256.6	10,891.0	10,726.5	15,219.2	17,593.3	20,963.4
Loans & Advances to Non-bank Customers	12,721.7	11,271.9	10,590.8	15,691.2	11,545.8	13,138.8	15,258.2
Securities & Equities	4,989.0	7,173.1	7,029.4	9,045.7	13,547.4	10,880.2	10,550.1
Other Assets	727.7	970.4	829.1	706.4	1,283.9	2,439.4	2,766.3
Liabilities							
Total	28,207.0	32,336.0	30,022.5	36,786.7	42,205.3	45,049.4	50,253.1
Capital & Reserves	2,956.8	4,662.6	4,781.9	4,777.7	5,777.4	5,704.7	6,089.9
Amounts Due to Banks	20,638.0	19,229.5	18,039.7	19,286.3	27,473.3	28,668.5	30,543.6
In Singapore	709.3	543.7	565.6	499.7	471.2	399.0	657.5
Outside Singapore ¹	19,928.7	18,685.8	17,474.1	18,786.6	27,002.1	28,269.5	29,886.1
Borrowings from Non-bank Customers	3,801.2	6,845.9	5,956.4	11,099.4	6,711.3	7,453.2	8,779.6
Other Liabilities	811.0	1,598.1	1,244.5	1,623.3	2,243.4	3,223.0	4,840.0

Source : Monetary Authority of Singapore

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.

¹ Include Asian Currency Units.

Per Cent Per Annum

	1985	1990	1991	1992	1993	1994	1995
Banks¹							
Prime Lending Rate	7.20	7.73	7.10	5.55	5.34	6.49	6.26
Deposit Rates							
3 Months	4.58	5.05	3.84	2.46	2.26	3.62	3.41
6 Months	4.70	5.37	4.13	2.69	2.51	3.89	3.67
12 Months	4.88	5.48	4.17	2.97	2.79	4.23	4.01
Savings Deposit Rate	5.18	3.83	3.05	1.79	1.59	2.93	2.72
Finance Companies							
Deposit Rates²							
Up to 3 Months	4.88	5.20	4.33	2.55	2.54	3.85	3.18
12 Months	5.30	5.80	4.65	3.24	3.25	4.52	4.01
QOSBank Savings Deposit Rate for Amounts							
Up to \$100,000	5.25	4.50	4.00	2.50	2.25	3.00	2.75
Exceeding \$100,000	4.00	3.50	3.00	1.75	1.50	2.25	2.25

Source : Monetary Authority of Singapore

Post Office Savings Bank

1 Refer to the average quoted by 10 leading banks.

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

15.14 NUMBER OF ACCOUNTS AND DEPOSITS OF POST OFFICE SAVINGS BANK

	1985	1990	1991	1992	1993	1994	1995
Number of Accounts ('000)							
(End of Period)	2,960	4,056	4,288	4,533	4,792	4,981	5,190
Transaction Volume ('000)	45,564	104,090	116,637	135,681	164,391	182,584	194,519
Net Deposit Inflow (\$ Million)	1,438	-247	1,720	2,073	1,824	-450	1,565
Total Deposit Base (\$ Million) ¹							
(End of Period)	9,193	13,388	15,646	18,127	20,310	20,269	22,335

Source : Post Office Savings Bank

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

Current Accounts were implemented on 16 February 1984.

1 Include interest credited at end of year.

15.15 CONTRIBUTIONS AND WITHDRAWALS OF CENTRAL PROVIDENT FUND

	1985	1990	1991	1992	1993	1994	1995
Amount							
Contributed	5,993.4	7,174.2	8,101.4	9,028.2	10,427.0	11,278.5	13,536.3
Withdrawn	3,359.7	3,994.7	4,656.1	5,413.0	10,943.9	7,292.0	7,253.0
Due to Members							
(End of Period)	26,829.5	40,646.4	46,049.0	51,526.9	52,334.3	57,649.2	66,035.4

Source : Central Provident Fund Board

15.16 WITHDRAWALS OF CENTRAL PROVIDENT FUND BY TYPE

	1985	1990	1991	1992	1993	1994	1995
Million Dollars							
Total	3,360	3,995	4,656	5,413	10,944	7,292	7,253
Housing Schemes ¹							
Public Housing	1,785	1,252	1,731	2,139	1,822	1,875	2,782
Residential Properties	782	1,007	1,269	1,475	1,688	1,626	1,809
Reached 55 Years of Age ²	506	803	732	773	928	1,079	1,112
Leaving Singapore & Malaysia Permanently ³	146	156	157	161	178	202	241
Death	41	54	63	73	73	84	88
Medisave Scheme	44	208	231	238	250	276	296
Others ⁴	56	514	473	554	6,006	2,151	925
Number							
Housing Schemes ⁵							
Public Housing	64,550	33,317	47,526	56,537	49,477	54,241	59,720
Residential Properties	7,618	10,082	14,841	18,092	21,121	18,631	18,482
Reached 55 Years of Age ²	24,740	34,550	31,122	31,924	49,483	43,060	137,829
Leaving Singapore & Malaysia Permanently ³	10,085	4,838	4,940	4,629	5,110	5,859	7,799
Death	3,325	3,852	4,599	4,915	4,802	6,101	6,207

Source : Central Provident Fund Board

- 1 Refer to net amount withdrawn (gross amount withdrawn less amount refunded) by members in the year.
- 2 Include first and subsequent withdrawals. In 1995, the increase in the number of withdrawals is due to the withdrawal of the government cash grant under Share Ownership Top-up Scheme II and CPF Top-up Scheme.
- 3 Include Malaysians leaving Singapore permanently.
- 4 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.
- 5 Refer only to members who joined the scheme in the year.

	1985	1990	1991	1992	1993	1994	1995
Million Units							
Total	3,024.5	18,487.1	15,556.9	13,904.3	66,398.3	45,540.3	33,918.6
Industrial	2,144.7	8,921.8	6,897.5	7,177.9	33,171.0	21,368.2	19,272.4
Finance	286.2	2,394.4	1,489.2	1,487.1	6,584.9	5,419.0	3,506.8
Hotels	109.1	881.9	670.3	524.6	2,925.9	2,052.3	1,106.3
Properties	158.9	2,967.0	2,502.8	2,360.4	12,563.5	7,890.6	3,764.7
Mining	151.5	51.1	105.2	62.2	133.5	36.7	87.8
Plantation	86.2	1,061.7	507.6	440.6	3,509.0	1,426.5	899.5
Debentures, Loan Stocks & Bonds	87.9	2,209.2	3,384.3	1,851.5	7,510.5	7,347.0	5,281.1
Million Dollars							
Total	6,319.4	36,756.0	30,549.0	29,443.8	127,797.1	123,520.5	83,866.3
Industrial	4,338.0	19,177.3	16,593.5	16,704.0	67,663.9	60,834.4	46,450.6
Finance	1,227.5	6,172.7	5,082.0	6,038.3	20,027.6	21,654.7	15,843.9
Hotels	153.4	1,583.1	1,299.9	973.4	5,626.5	5,455.5	2,212.5
Properties	246.6	5,978.7	4,198.0	3,577.4	20,468.0	20,765.1	11,391.3
Mining	105.2	95.9	176.4	87.8	277.6	113.0	251.4
Plantation	203.3	1,385.9	602.7	557.2	5,823.8	4,048.7	2,093.2
Debentures, Loan Stocks & Bonds	45.4	2,362.4	2,596.5	1,505.7	7,909.7	10,649.1	5,623.4

Source : Stock Exchange of Singapore

15.18

STOCK EXCHANGE OF SINGAPORE INDICES (1975=100)

	1985	1990	1991	1992	1993	1994	1995
All Shares	276.3	388.9	386.4	386.2	476.7	567.6	514.0
Industrial	236.4	375.7	381.9	383.6	476.6	521.8	458.8
Finance	285.4	355.8	364.9	369.1	452.8	608.6	558.2
Hotels	306.4	564.4	494.7	490.6	540.0	689.8	677.4
Properties	343.1	337.6	305.9	292.6	389.4	591.8	598.5

Source : Stock Exchange of Singapore

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

15.19

PLEDGES AT PAWNSHOPS

	1985	1990	1991	1992	1993	1994	1995
Pledges (' 000)							
Received	2,177.0	2,373.0	2,465.7	2,474.3	2,602.2	2,610.1	2,653.7
Redeemed	1,959.6	2,157.7	2,220.8	2,221.8	2,286.9	2,346.9	2,323.0
Amount of Loans (\$m)							
Given Out	513.8	717.4	754.6	762.1	856.2	954.2	1,022.7
Redeemed including Interest	505.3	701.5	734.7	742.2	801.7	909.1	973.1

Source : Registry of Pawnbrokers

15.20 LIFE INSURANCE POLICIES

	1984	1989	1990	1991	1992	1993	1994
	Thousand						
Policies in Force (End of Period)	380	870	1,055	1,263	1,537	1,823	2,126
New Policies	57	216	237	264	335	381	391
Policies Matured or Discounted	37	48	52	56	61	96	88
	Million Dollars						
Policies in Force							
Amount Insured (End of Period)	16,422	48,677	59,455	73,256	88,786	103,893	125,382
Premiums	333	896	1,123	1,393	1,712	2,070	2,547
New Policies							
Amount Insured	4,002	13,335	14,975	18,638	21,358	24,474	27,237
Premiums	61	250	286	334	397	485	578
Policies Matured or Discounted							
Amount Insured	1,382	3,130	4,200	4,837	5,825	8,322	6,817
Premiums	34	50	59	64	79	126	101

Source : Monetary Authority of Singapore

15.21

REVENUE AND EXPENDITURE ACCOUNTS OF LIFE INSURANCE FUNDS

Million Dollars

	1984	1989	1990	1991	1992	1993	1994
Revenue							
Total	1,528	3,665	4,611	5,418	6,802	8,823	11,220
Balance of Revenue Account at Beginning of Year	1,088	2,470	3,054	3,728	4,542	5,662	7,332
Premiums	299	844	1,076	1,370	2,042	2,493	3,020
Net Interest, Dividends & Rents	91	183	214	245	265	327	409
Miscellaneous	50	167	267	74	-47	340	459
Expenditure							
Total	1,528	3,665	4,611	5,418	6,802	8,823	11,220
Claims on Death, Disability & Maturity	57	138	184	256	333	379	439
Surrenders	33	64	62	74	85	119	161
Cash Bonuses & Annuities	5	43	54	25	28	39	49
Management Expenses							
Commission	59	240	291	324	409	523	647
Salaries	16	33	44	54	59	66	78
Others	29	50	68	94	104	116	157
Miscellaneous	46	44	180	49	122	248	206
Balance of Revenue Account at End of Year	1,283	3,054	3,728	4,542	5,662	7,332	9,483

Source : Monetary Authority of Singapore

ASSETS OF LIFE INSURANCE FUNDS
(End of Period)

Million Dollars

	1984	1989	1990	1991	1992	1993	1994
Total	1,384	3,299	4,100	4,936	6,290	8,249	10,481
Land & Buildings	54	105	115	131	237	312	497
Loans	269	666	802	963	1,074	1,204	1,621
On Mortgages	111	323	348	355	433	580	818
On Policies	123	238	274	333	390	470	582
Others	35	105	180	276	251	153	220
Investments	702	1,703	2,054	2,686	3,905	5,164	6,124
Government & Statutory Authorities	355	741	843	1,065	1,424	1,418	1,222
Debentures & Shares ¹	347	962	1,211	1,622	2,481	3,745	4,902
Cash & Deposits	306	700	947	957	838	1,290	1,915
Miscellaneous (including Outstanding Premiums) ²	54	125	183	199	236	279	324

Source : Monetary Authority of Singapore

- 1 Include other investments.
- 2 Include furniture.

Million Dollars

	1984	1989	1990	1991	1992	1993	1994
Net Premiums ¹							
Total	441	589	693	750	831	968	1,099
Marine, Aviation or Transit	68	84	99	104	113	128	138
Others	373	505	594	646	719	840	961
Fire	71	78	88	94	100	105	111
Motor Vehicles	159	254	298	316	349	397	458
Miscellaneous	143	173	209	237	270	339	392
Net Claims ²							
Total	195	259	303	361	419	491	509
Marine, Aviation or Transit	28	39	45	53	53	50	48
Others	168	220	258	308	367	441	461
Fire	20	28	29	37	30	39	37
Motor Vehicles	87	122	148	169	208	247	264
Miscellaneous	60	70	82	103	129	156	160

Source : Monetary Authority of Singapore

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

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

REVENUE AND EXPENDITURE ACCOUNTS OF GENERAL INSURANCE FUNDS

Million Dollars

	1984	1989	1990	1991	1992	1993	1994
Revenue							
Total	1,126	1,724	2,032	2,237	2,543	2,926	3,298
Balance of Revenue Account at Beginning of Year	93	249	309	330	425	547	661
Reserves for Unexpired Risks at Beginning of Year	205	228	273	310	326	358	439
Loss Reserves at Beginning of Year	305	543	621	697	755	831	932
Net Premiums Written	441	589	693	750	831	968	1,099
Net Interest, Dividends & Rents	55	64	76	83	76	77	94
Miscellaneous	27	52	61	67	130	146	73
Expenditure							
Total	1,126	1,724	2,032	2,237	2,543	2,926	3,298
Net Claims Settled, Loss Reserves at End of Year	567	868	1,007	1,118	1,253	1,422	1,515
Management Expenses							
Commission	68	93	108	116	127	143	150
Others	103	136	157	176	201	225	272
Miscellaneous	110	54	108	74	54	38	112
Balance of Revenue Account at End of Year	70	307	341	428	550	661	760
Reserves for Unexpired Risks at End of Year	209	266	311	326	358	437	489

Source : Monetary Authority of Singapore

Million Dollars

	1984	1989	1990	1991	1992	1993	1994
Total	907	1,427	1,657	1,844	2,252	2,606	2,931
Land & Buildings	41	50	52	72	108	120	135
Loans	12	16	15	20	15	14	42
Investments	302	638	695	742	860	979	1,185
Government & Statutory Authorities	167	267	291	332	379	350	346
Debentures & Shares	136	371	403	410	482	629	839
Cash & Deposits	413	555	687	773	923	1,119	1,155
Miscellaneous	139	168	207	237	345	375	414

Source : Monetary Authority of Singapore

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 income of the preceding year after 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 1996, a tax rebate of \$600 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 1995, the corporate income tax rate is 27 per cent. There are various tax incentives in the form of tax exemptions and concessionary tax rates to promote capital investments, export of services, development of financial and consultancy services, research and development and overseas ventures.

The government has concluded 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 31 countries, namely, Australia, Bangladesh, Belgium, Canada, Denmark, Finland, France, Germany, India, Indonesia, Israel, Italy, Japan, Korea, Malaysia, Mexico, 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.

16 PUBLIC FINANCE (cont'd)

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 realization of any such investments; and

- (iv) re-payments of any loans made from or payments of interest on such loans.

The Fund may be used for :

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

16.1 GOVERNMENT OPERATING REVENUE

Million Dollars

	1990	1991	1992	1993	1994	1995
Total ¹	13,102.2	14,851.6	17,218.4	19,527.2	23,280.3	24,781.6
Tax Revenue	10,534.0	12,017.0	13,758.8	15,453.7	18,605.0	19,578.6
Income Tax	4,908.2	6,062.9	6,863.2	7,190.1	8,603.2	8,766.1
Corporate & Personal						
Income Tax	4,396.0	5,346.4	6,142.1	6,748.9	8,055.4	8,138.3
Contributions by Statutory						
Boards	512.2	716.5	721.1	441.2	547.8	627.8
Assets Taxes	1,111.4	1,295.6	1,465.4	1,676.4	1,750.1	1,838.9
Taxes on Motor Vehicles ²	1,337.5	1,164.3	1,502.9	1,884.6	1,965.5	1,817.5
Customs & Excise Duties	1,305.5	1,370.2	1,525.8	1,667.5	1,560.8	1,597.5
Betting Taxes	521.6	587.7	694.9	823.4	884.5	981.6
Stamp Duty	654.8	589.0	603.6	983.3	1,275.0	1,364.3
Goods & Services Tax ³	-	-	-	-	1,110.7	1,647.4
Others	695.0	947.3	1,103.0	1,228.4	1,455.2	1,565.3
Fees & Charges	1,498.7	1,644.7	2,209.7	3,017.9	3,690.8	3,665.0
Other Receipts ⁴	1,069.5	1,189.9	1,249.9	1,055.6	984.5	1,538.0

Source: Ministry of Finance

- 1 Operating revenue refers to receipts credited to the Consolidated Revenue Account, Development Fund Account and Sinking Fund Account, but excludes investment income and capital receipts.
- 2 Taxes on motor vehicles comprise additional registration fees, road tax, special tax on heavy-oil engine, passenger vehicle seating fees and non-motor vehicle licences, but exclude import duties on motor vehicles which are classified under customs and excise duties.
- 3 Goods and Services Tax was implemented on 1 April 1994.
- 4 Other receipts exclude repayment of direct loans and advances but include interest on loans.

16.2

GOVERNMENT OPERATING EXPENDITURE

Million Dollars

	1990	1991	1992	1993	1994	1995
Total ¹	7,061.6	7,805.3	8,485.6	9,144.0	9,699.8	10,883.7
Security	3,405.4	3,790.1	3,866.3	4,405.4	4,412.6	5,245.9
Social & Community Services	2,604.2	2,833.9	3,458.5	3,388.0	3,811.1	4,119.9
Education	1,742.3	1,892.7	2,461.5	2,171.3	2,422.8	2,677.7
Health	457.0	484.8	516.9	634.5	724.9	685.0
Environment	188.5	200.5	208.4	222.0	249.7	273.8
Public Housing	45.1	52.8	60.5	109.3	125.0	164.0
Others	171.3	203.1	211.2	250.9	288.7	319.4
Economic Services	428.3	433.9	440.6	432.9	573.6	688.3
National Development	245.8	263.9	261.5	273.2	325.3	357.1
Communications	30.5	33.0	38.9	37.7	44.9	76.4
Trade & Industry	127.3	109.7	108.8	88.8	165.1	214.2
Labour	24.7	27.3	31.4	33.2	38.3	40.6
General Services	367.1	470.4	427.3	606.1	563.8	720.3
Pensions	256.6	277.0	292.9	311.6	338.7	109.3

Source : Ministry of Finance

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 (up to first quarter 1995).

	1990	1991	1992	1993	1994	1995
Total	31,164.8	31,423.6	30,041.1	27,232.3	29,822.0	25,507.4
Investments	31,548.1	31,397.3	29,800.1	27,232.3	29,816.4	25,507.4
Registered Stocks	18,397.4	41,493.2	41,310.2	56,260.2	56,811.7	56,701.9
Treasury Bills & Deposits	1,430.5	2,070.0	3,430.0	4,940.9	4,900.0	5,700.0
Agency Deposits	11,040.2	8,137.9	12,759.9	5,928.0	7,940.7	11,805.7
Grants	790.1	67.8	30.2	24.3	11.8	4.7
UK Special Aid	205.4	33.0	25.3	13.5	9.8	4.7
World Bank	112.0	13.3	8.2	5.1	6.7	1.0
Asian Development Bank	33.9	14.3	8.4	1.4	1.0	1.0
Central Market Fund	162.2	-	-	-	-	-
Others	34.7	2.3	1.0	0.1	0.1	0.1

Source : Accounting General's Department

Re: Ministry of Finance of Singapore

Figures were rounded to nearest million

16.3 GOVERNMENT DEVELOPMENT EXPENDITURE

Million Dollars							
	1989	1990	1991	1992	1993	1994	1995
Total ¹	4,220.3	3,524.7	3,794.8	3,410.3	4,418.3	4,671.3	
Security	266.5	388.6	386.1	410.6	488.7	379.6	
Social & Community Services	2,716.2	1,536.1	1,593.4	1,456.1	1,713.6	2,044.7	
Education	228.7	371.7	559.5	662.8	753.5	779.6	
Health	48.4	135.6	164.8	115.8	202.9	326.9	
Environment	209.3	501.9	231.7	190.4	219.2	282.7	
Public Housing	2,143.9	463.3	565.5	395.9	440.2	498.1	
Others	85.9	63.6	71.9	91.2	97.8	157.4	
Economic Services	988.0	1,397.2	1,539.2	1,190.8	1,754.4	1,816.7	
National Development	405.0	390.9	481.7	586.3	390.5	375.5	
Communications	333.7	777.1	600.5	332.1	824.3	788.1	
Trade & Industry	219.4	165.6	211.9	103.7	312.1	386.1	
Labour	9.5	1.5	0.7	0.5	3.2	1.7	
Research & Development	20.4	62.1	244.4	168.2	224.3	264.7	
General Services	249.6	202.8	276.1	352.8	461.6	430.3	

Source : Ministry of Finance

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

16.4

SOURCES AND USES OF DEVELOPMENT FUND

Million Dollars

	1985	1990	1991	1992	1993	1994	1995
Balance (Beginning of Financial Year)	12,464	47,170	48,962	48,677	47,238	44,431	36,351
Sources							
Total	5,859	6,796	5,312	4,936	5,053	3,070	5,097
Consolidated Revenue Account	2,262	-	-	-	-	-	-
Consolidated Loan Account	10	2,496	2,099	-	-	-	-
Others	3,587	4,300	3,213	4,936	5,053	3,070	5,097
Uses							
Total	8,556	5,004	5,597	6,375	7,860	11,150	16,339
Government Development Expenditure	3,264	3,356	3,601	3,649	3,895	3,971	6,353
Loans to Statutory Boards & Enterprises	5,292	1,648	1,996	2,226	3,966	7,179	8,986
Others	-	-	-	500	-	-	1,000

Source : Accountant-General's Department

Note : Data refer to the financial year which begins in April of the current year and ends in March of the following year.

16.5

GOVERNMENT DEBT

(End of Period)

Million Dollars

	1985	1990	1991	1992	1993	1994	1995
Total	32,164.4	51,425.6	59,041.1	67,252.5	69,822.0	75,344.4	86,507.6
Domestic	31,568.1	51,357.7	59,000.3	67,228.2	69,810.4	75,339.7	86,507.6
Registered Stocks	18,107.4	41,149.8	41,810.2	56,360.2	56,851.7	56,501.9	59,701.9
Treasury Bills & Deposits	1,420.5	2,070.0	3,470.0	4,940.0	4,990.0	5,000.0	5,750.0
Advance Deposits	12,040.2	8,137.9	13,720.1	5,928.0	7,968.7	13,837.8	21,055.7
External¹	596.3	67.9	40.8	24.3	11.6	4.7	-
UK Special Aid	205.4	35.0	25.2	15.5	9.9	4.7	-
World Bank	112.6	13.5	8.2	5.1	1.7	-	-
Asian Development Bank	79.9	14.3	6.4	3.4	-	-	-
Capital Market Loan	163.7	-	-	-	-	-	-
Others	34.7	5.1	1.0	0.3	-	-	-

Source : Accountant-General's Department

The Monetary Authority of Singapore

¹ Figures were computed at market rates.

16.6

REVENUE COLLECTED BY CUSTOMS AND EXCISE DEPARTMENT

Million Dollars

	1985	1990	1991	1992	1993	1994	1995
Total	1,023	1,346	1,414	1,576	1,721	1,602	1,630
Import & Excise Duties							
Liquors	204	236	234	283	281	302	313
Tobacco	228	257	307	336	340	327	348
Petroleum	432	500	534	558	585	565	563
Motor Vehicles	62	256	249	301	416	375	369
Others	61	57	55	62	58	3	2
Entertainment Duties	21	20	14	15	16	9	5
Film Hire Duty	4	5	6	7	8	4	-
Licence Fees	6	8	9	9	11	12	12
Miscellaneous Receipts	6	6	6	6	6	5	7

Source: Customs and Excise Department

16.7

REVENUE COLLECTED BY INLAND REVENUE AUTHORITY

Million Dollars

	1985	1990	1991	1992	1993	1994	1995
Total	4,829	6,706	7,850	8,936	10,270	13,081	13,985
Income Tax ¹	3,000	4,415	5,340	6,150	6,798	8,057	8,148
Property Tax ²	1,195	1,065	1,249	1,441	1,644	1,706	1,776
Goods & Services Tax ³	-	-	-	-	-	1,110	1,649
Estate Duty	33	46	46	26	46	39	58
Stamp Duty	314	644	593	621	972	1,282	1,356
Betting, Sweepstakes & Private Lotteries ⁴	140	514	614	699	810	887	998
Others ⁵	147	22	9	-	-	-	-

Source: Inland Revenue Authority of Singapore.

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 was implemented on 1 April 1994.

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.

	Total	Individuals			Companies	Trusts	Clubs & Associations
		Employees	Sole Proprietors	Partners			
Taxpayers (No)	403,853	312,667	48,260	19,698	20,911	601	1,716
Resident	374,257	289,723	46,155	19,487	16,577	599	1,716
Non-resident	29,596	22,944	2,105	211	4,334	2	-
Assessed Income (\$m)	44,290	17,517	3,138	1,438	22,024	30	142
Resident	39,003	17,292	3,108	1,430	17,000	30	142
Non-resident	5,287	225	30	8	5,024	-	-
Gross Tax Assessed (\$m)	7,651	1,710	389	190	5,316	8	37
Resident	6,623	1,667	384	188	4,339	8	37
Non-resident	1,028	42	5	2	978	-	-

Source : Inland Revenue Authority of Singapore
Note : Figures for Year of Assessment 1994 refer to assessment made during the period 1.1.94 to 31.12.94 (12 months).

16.9

ASSESSED INCOME AND GROSS TAX ASSESSED ON INDIVIDUALS BY ASSESSED INCOME GROUP, 1994

	Assessed Income Group (\$)					
	Total	6,000 & below	6,001 - 8,000	8,001 - 10,000	10,001 - 15,000	15,001 - 20,000
Taxpayers (No)	380,625	18,955	2,470	1,604	2,225	3,596
Resident	355,365	1,780	671	566	916	2,802
Non-resident	25,260	17,175	1,799	1,038	1,309	794
Assessed Income (\$m)	22,093	51	17	14	27	67
Resident	21,830	5	5	5	11	53
Non-resident	263	47	13	9	16	14
Gross Tax Assessed (\$m)	2,289	7	2	2	3	5
Resident	2,240	-	-	-	-	2
Non-resident	50	7	2	2	3	3

	Assessed Income Group (\$)					
	20,001 - 30,000	30,001 - 50,000	50,001 - 100,000	100,001 - 200,000	200,001 - 1,000,000	1,000,001 & above
Taxpayers (No)	70,131	147,968	92,359	29,822	11,194	301
Resident	69,039	146,880	91,594	29,671	11,149	297
Non-resident	1,092	1,088	765	151	45	4
Assessed Income (\$m)	1,856	5,665	6,247	4,062	3,566	519
Resident	1,830	5,623	6,195	4,043	3,548	512
Non-resident	27	42	52	19	18	7
Gross Tax Assessed (\$m)	70	257	484	563	751	145
Resident	65	249	474	559	746	144
Non-resident	5	8	10	4	4	1

Source : Inland Revenue Authority of Singapore

Note : See note to Table 16.8.

16.10

ASSESSED INCOME AND GROSS TAX ASSESSED ON COMPANIES BY ASSESSED INCOME GROUP, 1994

	Assessed Income Group (\$)					
	Total	10,000 & below	10,001 - 20,000	20,001 - 30,000	30,001 - 60,000	60,001 - 100,000
Taxpayers (No)	20,911	4,955	2,291	1,482	2,665	2,008
Resident	16,577	3,713	1,697	1,136	2,126	1,615
Non-resident	4,334	1,242	594	346	539	393
Assessed Income (\$m)	22,024	21	34	37	117	159
Resident	17,000	15	25	28	94	128
Non-resident	5,024	5	9	9	23	31
Gross Tax Assessed (\$m)	5,316	6	9	10	32	43
Resident	4,339	4	7	8	25	34
Non-resident	978	1	2	2	6	8

	Assessed Income Group (\$)					
	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 & above
Taxpayers (No)	3,301	1,099	1,110	1,098	312	590
Resident	2,739	927	951	937	255	481
Non-resident	562	172	159	161	57	109
Assessed Income (\$m)	584	429	795	1,910	1,223	16,714
Resident	486	361	682	1,635	999	12,545
Non-resident	98	68	113	275	224	4,169
Gross Tax Assessed (\$m)	156	114	210	499	313	3,925
Resident	130	96	181	431	260	3,163
Non-resident	26	17	29	69	53	763

Source : Inland Revenue Authority of Singapore

Note : See note to Table 16.8.

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 preceding year to obtain the annual rate of inflation for the year.

The monthly 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, super-markets, 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 goods and services tax.

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, 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.

Wholesale Price Indices

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

17 PRICES (cont'd)

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 (1990 = 100), A Guide to Export Price Index, A Guide to Singapore Manufactured Products Price Index and A Guide to Domestic Supply Price Index.

Other Price Indices

The collection and compilation of data for the Property Price Index and Commercial

Property Rental Index are undertaken by the for the Property Price Index and Commercial Property Rental Index are undertaken by the Urban Redevelopment Authority (URA) and Building Materials Price Index by the Construction Industry Development Board.

Produce Prices

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

17.1 CONSUMER PRICE INDEX

	Weights ¹	1985	1990	1991	1992	1993	1994	1995
October 1992-September 1993=100								
All Items	10,000	87.2	92.9	96.1	98.3	100.5	103.6	105.4
Food	2,995	94.9	96.7	98.2	99.5	100.3	103.9	106.2
Clothing	606	71.7	95.4	97.0	99.2	100.3	102.6	104.1
Housing	2,341	89.6	93.6	95.4	97.4	100.5	101.8	102.6
Transport & Communications	1,583	80.9	89.4	95.7	98.5	101.0	107.8	108.5
Education	573	69.0	86.7	92.9	97.3	100.5	103.0	107.4
Health	280	77.8	86.9	94.7	97.4	101.0	104.2	105.8
Miscellaneous	1,622	79.1	89.3	93.6	96.5	100.5	102.3	104.8
Percentage Change Over Previous Year								
All Items	10,000	0.5	3.4	3.4	2.3	2.3	3.1	1.7
Food	2,995	-1.2	0.8	1.5	1.3	0.8	3.6	2.3
Clothing	606	-2.5	0.9	1.7	2.2	1.2	2.2	1.5
Housing	2,341	2.5	5.7	1.8	2.1	3.2	1.3	0.7
Transport & Communications	1,583	3.3	7.8	7.0	2.9	2.6	6.7	0.6
Education	573	3.4	5.1	7.1	4.7	3.3	2.5	4.2
Health	280	1.5	4.8	9.0	2.8	3.7	3.1	1.6
Miscellaneous	1,622	0.7	3.6	4.8	3.2	4.1	1.7	2.5

1 The weights refer to the consumption pattern of 1992/93 and are used in the computation of the indices for the years 1993-95. Indices for the years 1985 and 1990-1992 relate to the consumption pattern of 1982/83 and 1987/88 respectively.

17.2 CONSUMER PRICE INDEX FOR HOUSEHOLDS IN DIFFERENT INCOME GROUPS

Income Group	All Items	Food	Clothing	Housing	Transport & Comm - unications	Education	Health	Miscel- laneous
Weights Per 10,000								
Lowest 20%	10,000	3,843	207	3,326	1,072	376	153	1,023
Middle 60%	10,000	3,299	565	2,375	1,348	581	274	1,558
Highest 20%	10,000	1,924	670	1,943	2,866	599	275	1,723
Consumer Price Index (Oct 92-Sep 93=100)								
1993								
Lowest 20%	100.4	100.3	100.3	100.3	100.0	100.7	101.1	101.2
Middle 60%	100.4	100.3	100.3	100.4	100.2	100.5	101.0	100.6
Highest 20%	101.2	100.4	100.4	100.8	103.2	100.5	101.0	100.3
1994								
Lowest 20%	102.8	103.8	102.2	101.1	101.5	104.1	104.3	104.8
Middle 60%	102.9	103.8	102.6	101.5	103.3	103.1	104.1	102.7
Highest 20%	107.8	104.2	103.0	102.9	119.9	102.8	104.6	101.2
1995								
Lowest 20%	104.6	106.1	103.5	101.9	102.9	111.6	105.7	107.2
Middle 60%	104.6	106.2	104.1	102.3	104.8	107.9	105.7	105.1
Highest 20%	108.9	106.6	104.6	103.9	118.9	106.0	106.3	103.6
Percentage Change Over Previous Year								
1994								
Lowest 20%	2.4	3.6	2.0	0.8	1.5	3.4	3.2	3.5
Middle 60%	2.5	3.6	2.2	1.1	3.1	2.6	3.1	2.0
Highest 20%	6.4	3.8	2.6	2.0	16.2	2.3	3.6	1.0
1995								
Lowest 20%	1.8	2.2	1.2	0.8	1.3	7.2	1.3	2.3
Middle 60%	1.9	2.3	1.5	0.7	1.4	4.6	1.5	2.4
Highest 20%	1.0	2.3	1.6	0.9	-0.8	3.1	1.6	2.3

Note : See note to Table 17.1.

17.3

PRICE INDICES OF SELECTED CONSUMER ITEMS

(October 1992-September 1993=100)

	Weights Per 10,000	1985	1990	1991	1992	1993	1994	1995
Utility								
Water Tariff	55	76.8	93.3	94.6	96.2	101.4	102.3	102.3
Electricity Tariff	139	138.2	108.3	107.1	98.4	100.2	98.3	101.5
Gas Tariff	20	107.0	89.0	100.0	100.0	100.0	102.6	113.3
Liquefied Petroleum Gas	34	108.2	91.8	101.5	100.0	100.0	98.5	104.4
Private Road Transport								
Petrol, Premium	216	117.1	97.5	101.8	101.1	99.7	99.2	100.0
Petrol, Intermediate	13	123.8	101.1	101.4	100.8	99.6	98.3	99.2
Other Running Costs	237	72.0	99.3	99.6	99.9	100.2	103.3	103.6
Education								
Primary School								
Miscellaneous Fees	10	59.7	68.2	85.3	96.4	100.4	102.2	104.1
Secondary, Pre-U & JC School & Miscellaneous Fees								
	23	60.4	70.8	89.6	98.1	100.1	105.6	107.0
Health								
Consultation Fees for Adult & Children at Outpatient Dispensary								
	141	71.7	84.1	95.1	97.3	101.3	105.0	105.8

Note: See note to Table 17.1.

Foodstuff	Unit	1985	1990	1991	1992	1993	1994	1995
Rice & Other Cereals								
Thai Rice 100%	5 kg	4.60	4.85	4.88	4.91	4.85	5.26	5.43
Instant Noodles	425g Pkt	1.75	1.77	1.76	1.69	1.76	1.76	1.86
Rice Vermicelli	400g Pkt	0.70	0.62	0.69	0.73	0.73	0.76	0.78
Bread	400g	0.67	0.72	0.72	0.76	0.79	0.84	0.86
Meat & Poultry								
Lean Pork	Per kg	6.68	6.50	6.02	6.28	6.13	6.10	6.15
Pork Rib Bones	"	7.14	7.33	7.00	7.25	7.09	7.19	7.20
Fresh Beef	"	13.12	12.98	13.04	13.32	13.37	12.90	13.09
Fresh Mutton	"	10.97	10.84	10.44	10.41	10.31	10.22	10.33
Hen	"	4.51	4.15	4.15	4.28	4.38	4.73	4.46
Milk & Eggs								
Condensed Milk	397g Tin	1.01	1.13	1.10	1.11	1.10	1.09	0.97
Powdered Milk	2 kg Tin	13.81	16.44	15.96	15.69	15.22	15.13	14.97
Hen Eggs	Per 10	1.57	1.50	1.48	1.41	1.42	1.43	1.39
Cooking Oils								
Deodorised Oil	2 kg bottle	5.49	5.24	5.18	5.16	5.14	5.22	5.49
Corn Oil	"	6.05	5.70	5.79	5.74	5.77	5.85	6.00
Fish & Other Sea Products								
Kurau (cut)	Per kg	20.93	25.39	26.57	29.00	30.86	34.44	38.00
White Pomfret	"	14.55	13.98	14.88	15.60	16.09	18.59	19.07
Spanish Mackerel (Tenggiri)	"	8.38	8.36	8.50	8.78	8.93	9.38	9.55
Gold Banded Scad (Kunning)	"	5.05	5.23	5.43	5.67	5.75	5.90	5.54
Fresh Prawns	"	21.77	21.75	22.47	22.42	22.04	24.22	24.99
Fresh Cuttlefish	"	5.20	5.01	5.38	6.17	6.84	6.95	7.31
Vegetables								
Cabbage	Per kg	1.55	1.64	1.71	1.67	1.77	1.82	1.90
Spinach (Bayam)	"	1.77	1.82	2.10	2.17	2.04	1.93	2.02
Small Mustard	"	2.28	2.21	2.42	2.26	2.25	2.07	2.15
Kale	"	4.29	3.41	3.47	3.20	3.04	2.93	3.03
Long Beans	"	1.94	2.01	2.18	2.39	2.26	2.33	2.52
Tomatoes	"	2.47	2.21	2.26	2.35	2.28	2.38	2.51
Red Chillies	"	5.33	4.71	4.67	4.42	4.32	4.45	4.76
Fruits								
Papaya	Per kg	0.99	1.00	0.92	1.04	1.02	1.06	1.12
Bananas (Emas)	"	1.26	1.27	1.26	1.25	1.26	1.29	1.30
Orange	Each	0.38	0.38	0.43	0.38	0.38	0.37	0.37
Apple	"	0.29	0.32	0.34	0.34	0.33	0.33	0.34
Pear	"	0.55	0.57	0.69	0.66	0.63	0.63	0.67
Miscellaneous								
Sugar	Per kg	1.07	1.12	0.98	0.95	0.91	0.95	1.03
Coffee Powder	"	11.68	10.70	10.58	10.65	10.77	11.23	11.75
Food Beverage	400g Tin	3.60	3.62	3.48	3.32	3.28	3.29	3.18
Tea	100 Tea Bags	4.87	4.82	4.81	4.86	5.21	5.51	5.39

17.5

DOMESTIC SUPPLY PRICE INDEX

(1990=100)

Item	Weights ¹	1985	1990	1991	1992	1993	1994	1995
All Items	10,000	107.0	100.0	95.9	91.7	89.2	87.3	87.4
Food	407	94.9	100.0	96.8	96.5	93.4	95.5	96.7
Live animals	31	92.4	100.0	82.3	94.0	87.9	87.3	89.7
Meat & meat preparations	33	92.3	100.0	98.9	93.3	89.3	92.9	94.2
Dairy produce & eggs	39	78.7	100.0	94.1	92.0	91.7	89.6	91.2
Fish & fish preparations	57	85.6	100.0	108.3	117.4	108.8	112.7	111.4
Cereals & cereal preparations	60	96.0	100.0	96.7	97.9	97.1	96.0	95.5
Vegetables & fruits	75	91.4	100.0	104.3	101.5	96.9	95.9	98.0
Sugar & sugar preparations	27	93.7	100.0	78.5	71.8	75.0	78.8	83.5
Coffee etc & spices	46	147.8	100.0	89.0	80.2	77.1	91.2	93.3
Animal feeding stuff	11	91.3	100.0	98.4	101.3	99.8	98.5	97.8
Miscellaneous food preparations	28	114.7	100.0	100.1	98.2	99.1	100.3	102.5
Beverages & Tobacco	102	85.5	100.0	105.4	108.1	112.4	113.6	113.5
Beverages	55	86.9	100.0	100.7	105.5	107.4	107.9	108.2
Tobacco & manufactures	47	83.6	100.0	110.9	111.1	118.4	120.2	119.8
Crude Materials	133	99.9	100.0	98.2	93.1	94.6	96.7	101.5
Oil seeds, nuts & kernels	7	115.3	100.0	97.1	93.3	89.1	93.1	96.9
Crude rubber incl synthetic	16	108.2	100.0	94.3	93.2	89.3	112.3	139.7
Cork & wood	28	82.5	100.0	101.1	101.3	112.3	119.6	122.7
Textile fibres & waste	7	146.0	100.0	101.5	92.6	90.6	86.5	85.2
Crude fertilizers & minerals	36	99.4	100.0	100.8	85.9	87.1	87.2	83.9
Metallic ores & scrap	22	96.6	100.0	90.2	82.0	81.6	79.8	83.4
Crude materials nec	17	96.7	100.0	100.9	109.1	107.1	91.6	100.1
Mineral Fuels	2,119	145.8	100.0	89.0	80.2	71.7	66.6	68.1
Petroleum & products	2,110	145.8	100.0	88.9	80.2	71.6	66.6	68.1
Gas	9	162.9	100.0	104.8	94.5	87.8	78.7	92.1
Animal & Vegetable Oils	71	176.9	100.0	109.4	118.3	114.1	138.2	152.4
Vegetable oil unprocessed	37	150.6	100.0	109.3	120.7	115.4	143.0	157.5
Other animal & vegetable oils	34	186.6	100.0	109.6	115.6	112.7	133.0	146.7

1 The weight for each commodity item is proportional to the value of its total supply or availability in the domestic market in 1990.

17.5

DOMESTIC SUPPLY PRICE INDEX (continued)

(1990=100)

Item	Weights ¹	1985	1990	1991	1992	1993	1994	1995
Chemicals & Chemical Products	747	93.8	100.0	100.6	94.7	91.8	90.0	90.9
Organic chemicals	133	93.0	100.0	99.2	84.8	80.4	80.4	90.5
Inorganic chemicals	43	93.8	100.0	98.6	95.3	93.0	91.5	86.9
Dyes & colours	54	92.7	100.0	97.2	95.0	96.3	93.4	93.7
Medicinal products	28	118.5	100.0	99.6	99.0	98.1	99.3	102.7
Perfume, toilet preparations	50	85.6	100.0	96.6	95.2	94.7	93.8	93.8
Plastics in primary forms	119	102.2	100.0	95.8	86.2	79.4	87.5	98.0
Plastics in non-primary forms	61	90.5	100.0	99.7	94.5	92.4	90.7	91.0
Chemical products nec	259	100.8	100.0	105.6	103.0	100.8	93.3	86.2
Manufactured Goods	1,457	83.4	100.0	99.2	95.3	93.8	93.5	96.9
Leather products nec	12	65.4	100.0	85.0	104.0	91.0	93.5	103.3
Rubber manufactures nec	37	86.4	100.0	99.6	97.4	100.1	101.9	107.3
Wood & cork manufactures	47	85.5	100.0	99.0	99.0	109.3	109.4	105.8
Paper manufactures	165	81.4	100.0	96.0	92.2	89.0	88.6	101.2
Textile manufactures	225	97.8	100.0	100.7	95.6	86.8	86.8	87.1
Non-metal mineral manufactures	209	84.3	100.0	102.2	99.9	98.8	98.3	99.4
Iron & steel	289	78.0	100.0	99.8	90.6	88.3	85.4	90.4
Non-ferrous metals	149	88.1	100.0	90.1	86.6	90.1	94.7	99.2
Metal manufactures	324	77.1	100.0	101.9	100.9	101.5	100.8	102.1
Machinery &								
Transport Equipment	3,903	96.9	100.0	96.2	93.5	92.8	90.9	87.8
Power generating machinery	267	96.1	100.0	98.4	90.8	95.8	91.4	88.9
Industrial machinery	216	105.3	100.0	111.1	108.1	111.6	113.9	111.4
Metalworking machinery	74	98.2	100.0	102.4	103.7	112.6	116.4	118.8
General industrial machinery	376	73.4	100.0	102.2	102.2	105.3	105.6	105.8
Office & data machines	743	117.8	100.0	93.6	90.3	90.2	82.0	80.2
Telecommunication apparatus	569	95.2	100.0	97.6	95.2	95.1	92.6	92.8
Electrical machinery nec	1,458	103.8	100.0	91.7	87.8	82.4	82.0	76.3
Road vehicles	200	77.8	100.0	101.9	108.2	117.7	120.6	112.9
Miscellaneous Manufactures	1,061	91.6	100.0	98.4	96.2	95.9	95.2	96.4
Prefab building, sanitary, lighting	19	99.4	100.0	98.6	98.8	101.3	101.1	100.3
Furniture, bedding, mattresses	67	90.4	100.0	101.2	100.1	100.5	103.6	104.8
Travel goods	38	88.5	100.0	101.2	101.1	101.7	98.4	98.1
Clothing	122	87.8	100.0	97.7	98.0	98.8	96.6	97.5
Footwear	33	86.2	100.0	95.8	95.5	95.5	93.1	92.2
Scientific instruments	116	104.6	100.0	103.5	103.1	108.9	109.4	107.8
Photographic apparatus	163	82.7	100.0	96.7	95.4	95.3	95.4	97.4
Miscellaneous mfd articles nec	503	94.1	100.0	97.5	93.4	91.3	90.1	92.0

Item	Weights ¹	1985	1990	1991	1992	1993	1994	1995
All Items	10,000	110.1	100.0	92.7	86.4	83.1	80.2	80.9
Food	349	103.7	100.0	95.3	93.2	94.2	97.0	98.3
Meat & meat preparations	10	94.1	100.0	96.8	92.6	92.6	95.4	98.0
Dairy produce & eggs	53	88.8	100.0	98.2	97.8	95.5	94.1	92.2
Fish & fish preparations	19	98.2	100.0	99.7	103.6	106.6	110.3	120.0
Cereals & cereal preparations	60	95.0	100.0	100.4	101.9	103.5	104.7	105.6
Vegetables & fruits	17	97.9	100.0	98.6	97.7	97.8	98.4	100.3
Sugar & sugar preparations	28	120.2	100.0	83.7	73.1	76.0	80.5	85.8
Coffee etc & spices	88	142.2	100.0	89.3	82.5	84.0	90.7	89.6
Animal feeding stuff	17	93.1	100.0	95.0	97.7	97.7	97.7	97.7
Miscellaneous food preparations	57	102.4	100.0	99.8	100.1	102.2	104.6	108.2
Beverages & Tobacco	102	84.4	100.0	106.5	112.7	122.4	127.1	128.3
Beverages	63	90.9	100.0	101.0	106.0	108.1	110.8	111.2
Tobacco & manufactures	39	74.3	100.0	115.2	123.7	145.4	153.3	156.1
Crude Materials	421	100.6	100.0	99.9	90.2	90.0	98.0	107.7
Crude rubber incl synthetic	123	107.9	100.0	96.3	95.4	91.5	121.7	156.2
Cork & wood	55	89.3	100.0	101.0	101.0	103.9	108.8	110.1
Crude fertilizers & minerals	150	95.9	100.0	107.1	85.1	86.4	84.4	82.9
Metallic ores & scrap	68	123.8	100.0	91.5	82.3	84.3	83.3	83.4
Crude materials nec	25	63.8	100.0	94.6	93.6	90.0	80.1	78.3
Mineral Fuels	1,552	140.3	100.0	90.2	75.9	70.9	62.3	62.6
Petroleum & products	1,530	140.2	100.0	89.9	75.6	70.5	61.9	62.0
Gas	22	147.2	100.0	110.7	102.5	98.3	88.5	103.0
Animal & Vegetable Oils	113	135.5	100.0	101.1	106.9	104.8	111.6	118.5
Vegetable oil unprocessed	62	129.9	100.0	99.1	108.9	104.6	110.3	112.4
Other animal & vegetable oils	51	139.0	100.0	103.6	104.6	105.2	113.1	126.0

1 Based on 1990 production value of the commodity item.

17.6

SINGAPORE MANUFACTURED PRODUCTS PRICE INDEX (continued) (1990=100)

Item	Weights ¹	1985	1990	1991	1992	1993	1994	1995
Chemicals & Chemical Products	725	95.9	100.0	97.2	89.1	85.2	85.2	92.3
Organic chemicals	140	96.2	100.0	96.9	77.0	66.9	67.7	88.3
Inorganic chemicals	43	105.6	100.0	95.5	89.8	84.3	82.1	83.9
Dyes & colours	60	86.9	100.0	98.0	96.9	98.5	96.1	99.9
Medicinal products	148	111.3	100.0	100.3	103.4	102.5	100.1	99.2
Perfume, toilet preparations	26	97.5	100.0	99.8	95.1	93.7	90.4	91.4
Plastics in primary forms	188	na	100.0	91.1	77.4	72.0	76.1	88.3
Plastics in non-primary forms	32	89.0	100.0	96.5	95.5	91.4	87.7	91.7
Chemical products nec	88	103.6	100.0	105.0	99.8	99.8	99.0	95.0
Manufactured Goods	872	85.6	100.0	98.6	94.6	93.7	92.9	94.0
Rubber manufactures nec	15	117.9	100.0	95.0	87.7	94.6	93.0	88.0
Wood & cork manufactures	37	87.5	100.0	99.0	93.7	100.5	106.6	105.4
Paper manufactures	135	89.3	100.0	99.3	96.4	97.4	93.7	103.3
Textile manufactures	44	95.7	100.0	94.8	89.6	85.2	85.5	82.3
Non-metal mineral								
Manufactures	144	83.3	100.0	104.4	100.5	99.9	101.4	102.0
Iron & steel	143	85.3	100.0	93.2	83.9	81.3	78.9	79.0
Non-ferrous metals	26	119.8	100.0	95.3	91.4	90.6	83.1	76.7
Metal manufactures	328	81.0	100.0	98.9	97.2	95.3	95.0	95.2
Machinery &								
Transport Equipment	4,980	107.8	100.0	89.4	84.5	80.3	76.5	75.3
Power generating machinery	72	102.3	100.0	96.0	91.8	95.8	97.1	98.5
Industrial machinery	116	111.6	100.0	103.3	101.6	100.9	101.5	102.6
Metalworking machinery	26	90.8	100.0	98.2	97.5	95.5	95.9	96.3
General industrial machinery	250	95.8	100.0	101.9	99.2	94.7	93.1	90.6
Office & data machines	1,810	139.2	100.0	81.4	72.9	65.5	59.2	56.4
Telecommunication apparatus	1,121	112.7	100.0	93.5	93.1	90.2	88.1	90.0
Electrical machinery nec	1,544	94.3	100.0	92.5	87.5	85.3	82.4	80.5
Road vehicles	41	116.9	100.0	83.0	88.8	87.3	85.3	83.0
Miscellaneous Manufactures	886	95.2	100.0	98.5	95.7	92.8	91.3	92.1
Prefab building, sanitary, lighting	6	84.2	100.0	100.1	106.0	109.0	108.1	107.6
Furniture, bedding, mattresses	76	100.6	100.0	102.3	101.4	103.1	107.8	110.6
Travel goods	4	100.7	100.0	100.0	100.0	100.0	100.0	100.9
Clothing	217	85.5	100.0	99.2	98.5	100.9	98.9	98.0
Footwear	6	88.5	100.0	99.8	99.1	97.6	92.6	95.3
Scientific instruments	64	141.7	100.0	99.7	99.4	96.8	92.3	88.2
Photographic apparatus	37	114.0	100.0	98.7	95.4	101.9	102.2	100.8
Miscellaneous mfd articles nec	476	96.2	100.0	97.4	92.8	86.0	84.0	86.0

17.7

IMPORT PRICE INDEX

(1990=100)

Item	Weights ¹	1985	1990	1991	1992	1993	1994	1995
All Items	10,000	105.3	100.0	96.8	93.5	91.6	90.7	90.6
Food	442	103.8	100.0	97.6	96.9	92.4	96.8	98.7
Live animals	29	92.9	100.0	82.3	94.1	87.9	87.3	89.7
Meat & meat preparations	32	92.5	100.0	99.3	93.1	87.9	91.4	92.8
Dairy produce & eggs	33	75.7	100.0	91.8	89.5	90.6	87.3	91.7
Fish & fish preparations	82	86.5	100.0	109.7	119.8	108.4	109.0	108.3
Cereals & cereal preparations	41	96.5	100.0	94.0	94.8	91.8	89.2	88.2
Vegetables & fruits	103	94.5	100.0	105.3	101.8	95.6	92.6	94.8
Sugar & sugar preparations	18	78.4	100.0	78.2	74.2	77.1	80.2	84.5
Coffee etc & spices	78	193.7	100.0	87.4	77.9	77.9	107.3	111.9
Animal feeding stuff	8	90.6	100.0	101.4	104.4	101.8	99.4	98.1
Miscellaneous food preparations	18	136.9	100.0	99.4	95.6	95.0	95.2	96.7
Beverages & Tobacco	130	89.3	100.0	107.7	107.2	108.3	106.2	103.5
Beverages	49	82.6	100.0	102.7	110.0	113.4	110.8	107.8
Tobacco & manufactures	81	97.8	100.0	110.8	105.4	105.2	103.5	101.0
Crude Materials	267	107.6	100.0	96.5	95.3	94.9	106.7	123.8
Hides, skins undressed	2	122.5	100.0	98.7	97.8	100.0	99.0	114.6
Oil seeds, nuts, kernels	14	119.7	100.0	98.1	94.6	90.7	94.3	97.3
Crude rubber incl synthetic	122	110.1	100.0	94.6	94.5	90.2	115.6	149.9
Cork & wood	47	85.7	100.0	100.9	101.4	113.5	122.2	124.8
Textile fibres & waste	13	151.5	100.0	98.1	90.8	92.2	90.0	89.3
Crude fertilizers & minerals	17	112.7	100.0	94.5	87.4	88.5	90.6	85.3
Metallic ores & scrap	22	105.7	100.0	90.2	82.9	80.2	75.2	79.5
Crude materials nec	30	113.0	100.0	101.1	104.4	102.5	92.1	98.7
Mineral Fuels	1,600	146.0	100.0	88.7	81.3	71.9	67.7	69.5
Petroleum & products	1,598	145.9	100.0	88.7	81.3	71.9	67.7	69.5
Gas	2	182.7	100.0	93.0	78.5	66.7	59.2	70.2
Animal & Vegetable Oils	70	187.7	100.0	110.0	119.1	114.9	141.6	156.8
Vegetable oil unprocessed	38	178.5	100.0	110.7	121.6	116.1	147.2	162.9
Other animal & vegetable oils	32	192.5	100.0	109.2	116.1	113.4	135.0	149.6

¹ Based on value of the commodity item imported in 1990.

Item	Weights ¹	1985	1990	1991	1992	1993	1994	1995
Chemicals & Chemical Products	766	95.7	100.0	101.3	96.4	93.7	91.7	91.0
Organic chemicals	123	97.8	100.0	101.6	91.5	90.6	89.7	92.8
Inorganic chemicals	39	91.8	100.0	100.1	96.6	95.5	95.4	90.2
Dyes & colours	43	99.3	100.0	96.3	93.5	94.0	91.5	89.3
Medicinal products	33	115.5	100.0	99.9	98.6	97.2	98.8	102.8
Perfume, toilet preparations	59	82.4	100.0	96.8	95.3	93.9	93.3	93.8
Fertilizers manufactured	5	121.1	100.0	86.6	84.4	81.6	76.6	67.7
Plastics in primary forms	135	94.2	100.0	97.5	89.2	81.9	89.5	98.7
Plastics in non-primary forms	54	90.5	100.0	100.2	94.4	92.2	90.4	89.6
Chemical products nec	275	101.7	100.0	105.7	103.0	100.7	92.5	85.4
Manufactured Goods	1,366	86.0	100.0	99.3	95.4	93.3	92.9	97.1
Leather products nec	14	62.7	100.0	85.1	103.5	90.6	93.2	103.1
Rubber manufactures nec	48	84.6	100.0	100.7	99.5	101.3	102.9	109.3
Wood & cork manufactures	57	82.8	100.0	99.0	100.3	114.4	111.3	106.4
Paper manufactures	118	77.3	100.0	94.4	90.1	85.3	86.0	101.0
Textile manufactures	312	98.8	100.0	102.3	96.9	88.0	87.4	87.9
Non-metal mineral manufactures	142	86.0	100.0	100.6	99.4	98.0	95.9	97.4
Iron & steel	277	76.4	100.0	102.3	93.2	90.5	87.6	94.1
Non-ferrous metals	202	108.4	100.0	87.9	84.5	84.7	88.6	94.2
Metal manufactures	196	75.2	100.0	104.7	104.9	108.3	107.7	110.3
Machinery & Transport Equipment	4,404	91.8	100.0	97.3	95.0	95.4	93.9	90.7
Power generating machinery	324	93.8	100.0	99.3	92.6	97.1	92.7	90.1
Industrial machinery	343	83.5	100.0	110.9	109.1	112.9	115.0	113.4
Metalworking machinery	79	100.2	100.0	102.8	104.4	114.5	118.7	120.8
General industrial machinery	454	71.4	100.0	101.9	102.6	108.2	108.5	109.6
Office & data machines	757	106.1	100.0	94.3	91.9	93.0	85.1	83.0
Telecommunication apparatus	795	90.2	100.0	98.9	96.0	96.1	93.9	93.3
Electrical machinery nec	1,388	104.6	100.0	91.4	87.5	81.3	81.9	75.2
Road vehicles	264	76.7	100.0	101.9	109.4	121.8	123.9	115.9
Miscellaneous Manufactures	955	91.7	100.0	98.3	96.4	97.6	97.0	96.4
Prefab building, sanitary, lighting	18	101.9	100.0	98.0	96.9	98.6	98.4	97.2
Furniture, bedding, mattresses	28	78.4	100.0	99.5	98.7	97.2	96.9	96.5
Travel goods	35	86.4	100.0	101.3	101.2	101.8	98.3	97.8
Clothing	161	91.2	100.0	97.5	97.3	96.5	95.1	95.4
Footwear	33	87.5	100.0	95.6	94.8	94.7	92.3	91.2
Scientific instruments	150	104.0	100.0	103.2	102.9	109.0	109.7	108.1
Photographic apparatus	224	81.5	100.0	96.9	95.2	94.8	94.6	96.0
Miscellaneous mfd articles nec	306	96.4	100.0	97.3	93.2	94.3	93.8	91.9

17.8

EXPORT PRICE INDEX

(1990=100)

Item	Weights ¹	1985	1990	1991	1992	1993	1994	1995
All Items	10,000	114.1	100.0	94.6	88.4	86.4	82.9	81.5
Food	287	116.0	100.0	98.2	93.2	91.7	97.2	99.0
Meat & meat preparations	11	82.9	100.0	98.3	93.4	90.2	89.9	80.9
Dairy produce & eggs	16	95.3	100.0	91.6	89.3	89.0	86.6	87.6
Fish & fish preparations	74	105.6	100.0	105.7	104.4	102.4	104.9	102.5
Cereals & cereal preparations	21	92.0	100.0	98.2	97.0	97.5	97.2	97.7
Vegetables & fruits	43	116.2	100.0	108.3	100.5	93.5	82.3	85.4
Sugar & sugar preparations	7	76.7	100.0	78.4	83.1	91.1	92.8	92.9
Coffee etc & spices	79	188.1	100.0	90.1	79.9	80.4	104.0	109.7
Animal feeding stuff	11	85.9	100.0	92.2	85.1	84.5	82.3	81.6
Miscellaneous food preparations	25	105.6	100.0	95.9	94.8	94.0	96.5	103.6
Beverages & Tobacco	144	90.6	100.0	101.9	102.0	99.3	97.5	98.8
Beverages	56	91.9	100.0	103.6	103.0	98.4	95.6	98.3
Tobacco & manufactures	88	89.2	100.0	100.8	101.3	99.9	98.6	99.1
Crude Materials	302	102.3	100.0	95.5	92.2	91.4	105.9	125.5
Hides, skins undressed	3	71.2	100.0	92.5	87.3	87.9	84.3	79.0
Oil seeds, nuts, kernels	11	118.7	100.0	96.2	81.6	87.1	85.6	81.9
Crude rubber incl synthetic	141	109.1	100.0	95.2	94.3	91.1	116.2	151.4
Cork & wood	49	65.7	100.0	99.9	99.8	112.9	125.0	128.5
Paper making material	8	98.2	100.0	107.9	86.5	56.4	87.0	131.2
Textile fibres & waste	9	na	100.0	103.3	99.7	103.5	105.8	102.7
Crude fertilizers & minerals	9	141.8	100.0	92.5	88.7	87.1	87.6	86.1
Metallic ores & scrap	37	132.7	100.0	88.7	76.3	71.6	73.4	85.8
Crude materials nec	35	91.6	100.0	93.3	94.1	91.2	89.0	90.8
Mineral Fuels	1,821	138.0	100.0	88.4	77.5	72.9	62.9	61.9
Petroleum & products	1,808	137.8	100.0	88.3	77.3	72.7	62.8	61.7
Gas	13	155.5	100.0	109.1	97.7	94.8	81.6	85.4
Animal & Vegetable Oils	77	142.3	100.0	103.7	106.4	104.9	112.2	124.0
Vegetable oil unprocessed	37	141.1	100.0	102.7	104.9	104.2	112.9	122.5
Other animal & vegetable oils	40	145.9	100.0	104.5	107.9	105.5	111.6	125.5

¹ Based on value of the commodity item exported in 1990.

Item	Weights ¹	1985	1990	1991	1992	1993	1994	1995
Chemicals & Chemical Products	690	97.1	100.0	98.4	89.8	86.2	85.1	87.2
Organic chemicals	214	87.0	100.0	95.5	85.1	81.9	78.2	79.2
Inorganic chemicals	29	117.2	100.0	92.6	91.5	92.1	92.9	92.1
Dyes & colours	47	95.5	100.0	100.8	88.3	83.0	81.3	80.6
Medicinal products	39	125.3	100.0	100.8	102.3	100.1	94.6	89.2
Perfume, toilet preparations	42	108.4	100.0	96.9	94.6	93.1	88.5	87.9
Fertilizers manufactured	6	95.3	100.0	100.6	94.8	96.0	88.7	82.9
Plastics in primary forms	169	94.3	100.0	93.3	79.5	71.2	76.6	87.0
Plastics in non-primary forms	23	89.0	100.0	96.3	92.6	91.3	92.4	96.3
Chemical products nec	121	111.6	100.0	110.9	106.0	106.3	102.7	100.7
Manufactured Goods	772	93.6	100.0	96.8	93.6	92.0	90.4	91.4
Leather products nec	6	na	100.0	127.4	118.4	116.3	109.5	110.7
Rubber manufactures nec	32	93.0	100.0	101.3	97.2	103.6	98.1	94.6
Wood & cork manufactures	49	86.4	100.0	98.0	96.3	110.7	107.1	102.1
Paper manufactures	60	79.5	100.0	98.8	97.8	96.8	99.0	103.9
Textile manufactures	173	92.6	100.0	96.2	90.4	84.3	82.5	80.7
Non-metal mineral manufactures	70	84.6	100.0	103.0	102.6	101.7	100.4	101.7
Iron & steel	125	77.5	100.0	95.3	88.4	87.1	83.3	86.8
Non-ferrous metals	112	151.2	100.0	90.3	91.9	84.8	82.8	86.7
Metal manufactures	145	98.1	100.0	97.1	94.1	94.3	95.7	96.4
Machinery &								
Transport Equipment	5,031	111.6	100.0	94.8	89.2	87.7	83.6	79.7
Power generating machinery	181	100.4	100.0	97.3	95.5	99.7	102.9	97.7
Industrial machinery	270	124.7	100.0	100.2	95.9	99.9	98.4	98.9
Metalworking machinery	43	89.7	100.0	104.4	102.7	103.1	104.8	103.1
General industrial machinery	372	100.4	100.0	97.0	95.2	95.8	95.4	93.6
Office & data machines	1,709	137.8	100.0	87.3	78.8	74.3	66.8	61.5
Telecommunication apparatus	1,187	108.4	100.0	98.2	92.5	91.0	87.7	83.7
Electrical machinery nec	1,131	109.0	100.0	99.2	95.2	95.1	92.9	90.3
Road vehicles	138	92.7	100.0	100.6	98.1	101.0	87.9	79.6
Miscellaneous Manufactures	876	92.9	100.0	97.4	94.1	95.0	94.4	91.4
Prefab building, sanitary, lighting	8	110.4	100.0	97.4	93.9	94.9	90.1	90.1
Furniture, bedding, mattresses	35	91.0	100.0	98.8	98.5	99.1	101.5	101.6
Clothing	288	82.4	100.0	98.0	95.3	98.1	100.3	96.3
Footwear	15	89.3	100.0	100.5	96.7	97.3	98.3	91.8
Scientific instruments	125	103.2	100.0	98.8	97.4	103.7	104.0	100.6
Photographic apparatus	137	96.8	100.0	95.9	92.5	91.4	89.0	85.8
Miscellaneous mfd articles nec	268	100.9	100.0	96.4	91.2	88.6	85.4	83.2

17.9

BUILDING MATERIALS PRICE INDEX

(1985=100)

Section	Weights ¹	1985	1990	1991	1992	1993	1994	1995
All Items	10,000	100.0	119.3	122.7	116.9	118.2	118.2	119.9
Timber & Wood Products	585	100.0	114.9	111.2	112.0	122.6	126.7	127.2
Concrete Ingredients								
(Granite)	872	100.0	105.4	116.5	92.9	91.0	95.6	95.4
Paints	292	100.0	114.4	114.6	111.9	120.1	121.7	126.0
Cement	1,338	100.0	143.9	151.4	151.6	149.6	136.3	136.7
Bricks & Concrete Blocks	2,076	100.0	106.3	114.4	106.6	110.9	114.6	115.7
Tiles	952	100.0	113.7	114.0	114.0	110.5	113.0	113.7
Iron & Steel Products	1,764	100.0	122.9	119.0	107.8	106.4	103.6	105.2
Cables	646	100.0	126.7	123.5	121.2	121.2	117.1	123.1
Sanitary & Plumbing								
Fixtures	69	100.0	104.1	102.7	102.8	102.6	106.2	107.4
Others	1,406	100.0	123.2	128.9	128.9	133.4	138.6	143.1

Source: Construction Industry Development Board (with effect from October 1992)

1 Based on the 1984 distribution pattern of building materials.

17.10

PRICE INDICES OF SELECTED FARM PRODUCTS

(1985=100)

Farm Product	1985	1990	1991	1992	1993	1994	1995
Pigs	100.0	95.4	80.4	100.4	89.8	91.3	91.7
Fowls	100.0	113.6	99.0	99.7	106.5	116.1	108.1
Ducks	100.0	109.9	97.8	91.6	89.9	92.5	91.8
Hen Eggs	100.0	104.6	104.2	95.5	91.4	96.2	85.0
Leafy Vegetables	100.0	89.6	104.6	97.2	97.4	90.9	88.4
Fruit Vegetables	100.0	102.7	109.5	118.7	111.7	113.1	121.6
Root Vegetables	100.0	98.6	105.9	109.2	107.6	120.9	124.5
Fresh Fish	100.0	98.5	99.8	101.6	101.8	107.9	110.0

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

	1985	1990	1991	1992	1993	1994	1995
Rubber (Cents per kg, fob)							
Ribbed Smoked Sheet							
Int 2	160.92	153.98	141.71	138.84	133.32	174.26	227.73
Int 3	158.92	148.94	138.59	137.26	132.22	173.26	227.05
Int 4	155.26	144.96	134.75	134.17	126.45	167.57	221.80
Thin Pale Crepe							
Int 1	na	231.11	215.28	206.01	200.42	224.99	286.17
Int 9	na	237.11	221.28	212.01	206.42	230.99	292.17
SSR 20	157.85	141.30	137.23	137.34	131.46	175.56	223.54
SSR 50	155.77	139.30	135.23	135.34	129.46	173.56	221.54
Pepper (\$ per 100 kg, fob)							
Black Lampung	797.68	321.47	237.57	175.56	200.52	286.54	357.04
White Muntok Genuine	893.78	335.81	244.89	217.60	348.05	449.57	519.83
Coffee AP1 (\$ per 100 kg, fob)	556.39	201.75	187.21	164.13	184.46	402.27	425.50
Crude Coconut Oil (\$ per 100 kg, fob)							
(in Drums)	127.67	74.91	85.72	106.49	84.43	102.50	112.14
Tin (RM/kg, fob)	29.65	16.44	15.04	15.21	13.14	14.19	15.35

Source: Singapore Commodity Exchange
Chinese Produce Exchange

Note : Int = International
SSR = Singapore Specified Rubber
AP1 = After Polished Grade 1
RM = Ringgit Malaysia

17.12

PRIVATE PROPERTY PRICE INDEX BY TYPE OF PROPERTY (1990=100)

Type of Property	Weights ¹	1985	1990	1991	1992	1993	1994	1995
All Properties	10,000	70.6	100.0	109.1	123.1	153.2	216.2	254.9
Residential	8,357	71.6	100.0	110.5	127.6	163.4	234.8	273.8
Detached	1,114	62.2	100.0	111.2	128.1	188.0	325.9	384.4
Semi-detached	990	75.7	100.0	113.2	130.2	188.1	284.7	323.7
Terrace Houses	1,500	76.1	100.0	112.3	128.9	173.9	247.5	287.1
Private Flats	1,513	73.2	100.0	115.0	127.5	152.7	196.9	233.6
Condominium Units	3,240	69.9	100.0	106.3	126.1	147.6	200.1	233.3
Commercial	1,232	59.5	100.0	100.0	93.6	91.6	111.6	142.8
Offices	586	52.4	100.0	97.1	93.5	92.5	117.3	163.4
Shops	646	66.4	100.0	102.6	93.6	90.7	106.4	124.1
Industrial	411	72.3	100.0	110.4	121.2	129.3	151.1	207.3
Flatted Factories	354	na	100.0	111.3	121.2	129.2	153.5	210.0
Warehouses	57	na	100.0	104.8	121.4	130.3	136.4	190.1

Source: Urban Redevelopment Authority

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

1 Based on transaction values in 1990.

17.13

COMMERCIAL PROPERTY RENTAL INDEX BY TYPE OF PROPERTY (1990=100)

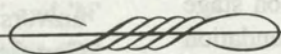
Type of Property	Weights ¹	1990	1991	1992	1993	1994	1995
Office Space							
Whole of Central Region	10,000	100.0	100.7	86.0	74.0	74.9	96.3
Central Area	8,469	100.0	100.8	86.7	74.4	75.3	97.5
Downtown Core	6,049	100.0	100.8	83.4	71.1	71.8	97.2
Orchard	1,389	100.0	99.9	93.4	77.2	77.6	95.2
Rest of Central Area	1,031	100.0	102.2	97.0	89.3	92.5	102.6
Fringe Area	1,531	100.0	100.1	82.1	72.2	72.6	89.7
Shop Space							
Whole of Central Region	10,000	100.0	87.3	85.1	82.2	78.8	75.0
Central Area	9,227	100.0	87.8	86.0	83.2	79.3	76.0
Downtown Core	1,536	100.0	81.2	77.2	82.3	90.6	83.9
Orchard	6,795	100.0	86.3	84.9	79.6	74.4	71.4
Rest of Central Area	896	100.0	110.0	109.4	112.4	97.0	97.4
Fringe Area	773	100.0	82.0	73.7	70.3	72.1	63.3

Source: Urban Redevelopment Authority

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

1 Based on rental values in 1990.

EDUCATION



at the end of the course, pupils may take the Normal Course or Normal (Technical) Course, both of which lead to the General Certificate of Education (Normal) Level (GCE-N Level). Those who do well may go on to the Normal (Technical) Course, which leads to the Normal (Technical) Certificate of Education (NTC) Level. Those who do well may also go on to the Normal (Technical) Certificate of Education (NTC) Level. Those who do well may also go on to the Normal (Technical) Certificate of Education (NTC) Level.

Secondary education may take four or five years, depending on the policy of the school. Pupils in the Special and Express courses are required to take the General Certificate of Education (O Level) Examination. Pupils in the Normal Course are required to take the Normal Certificate of Education (NCE) Examination. Pupils in the Normal (Technical) Course are required to take the Normal (Technical) Certificate of Education (NTC) Examination. Pupils in the Normal (Technical) Certificate of Education (NTC) Examination are required to take the Normal (Technical) Certificate of Education (NTC) Examination.

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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 appropriate 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 (GCE 'O' Level) Examination

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 (GCE 'N' Level) Examination 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 (GCE 'A' Level) Examination, 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 who do well 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 institution. Its primary aim is to establish a pool of skilled manpower to support Singapore's economic development into the next century. Equal emphasis and attention is accorded to pre-employment training for school leavers and continuing education and training for workers. ITE also conducts tests and examinations for public candidates.

Full-time institutional training in technical and business studies courses is offered to school leavers with GCE 'O' and 'N' level qualifications. Technical education and training courses lead to the award of the Industrial Technician Certificate (ITC) and the National Technical Certificate (NTC) Grade 2. Business Studies courses lead to the award of the Certificate in Business Studies (CBS) and the Certificate in Office Skills (COS). Provisions are also made for school leavers with less than secondary education to receive skills training up to the NTC-3 level in centres such as the Assumption Vocational Institute run by the Boy's Town Management, or apprenticeship training.

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

ITE also offers broad-based technical training courses leading to national certification

at Certificate of Competency (CoC) and NTC levels for the training, upgrading and retraining of workers. These courses are structured in modular form and offered through the Modular Skills Training (MOST), Training Initiative for Mature Employees (TIME) and Adult Cooperative Training Scheme (ACTS) programmes. MOST is directed at workers who lack basic technical skills, need new skills or wish to upgrade their existing skills. TIME enables older workers to retain and upgrade their skills. ACTS is structured as an industry-based training programme in the apprenticeship mode for young adult workers between 20 and 40 years old to learn new skills through on-the-job and off-the-job training.

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. BEST and WISE programmes aim to upgrade the educational level of workers in English and Mathematics to primary and secondary levels.

ITE also offers part-time and weekend continuing education programmes from Secondary 1 Normal to GCE 'N', GCE 'O' and GCE 'A' levels for working adults. Workers who possess the requisite technical skills and experience and academic competency can obtain certification of their skills and competency by taking public trade tests and examinations conducted by ITE. The public tests cover a wide range of subjects at the NTC-2, NTC-3 and CoC levels while the public examinations are for the BEST and WISE programmes.

Higher Learning

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

The National University of Singapore (NUS) was established in August 1980 with the merger of the University of Singapore (founded in 1962) and Nanyang University (founded in 1956).

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. Research institutes and centres of excellence for research and training are set 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.

To provide facilities and promote research and advanced training in areas of strategic importance to the nation's development, NUS has established five specialist research institutes. They are the Institute of Systems Science, the Institute of Molecular and Cell Biology and the Institute of Microelectronics, National University Medical Institute and Institute of Molecular Agrobiolology.

NUS has also established many Faculty-based and Institute-based research centres to spearhead research and development for specific applications in industry and business and the National Supercomputing Research Centre for the advancement of Information Technology and computer and computational technology in Singapore.

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 Yunan Garden, there are six schools, namely, the Schools of Accountancy and Business, Applied Science, Civil and Structural Engineering, Electrical and Electronic Engineering, Mechanical and Production Engineering and 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. Facilities are also available at NIE for higher degree studies leading to the degrees of Master and Doctor of Philosophy.

18 EDUCATION (cont'd)

The Open University : Since 1994, the Singapore Institute of Management has been appointed by the Ministry of Education to run the Open University Degree Programmes. The undergraduate programmes will be accredited and examined to the standards maintained by the Open University in United Kingdom. Open University degrees are recognised and accepted on par with the British degrees by employers in Singapore. The Public Service Commission has indicated that it would accept Open University degrees for employment in the Civil Service.

The Open University Degree programmes offer courses leading to Bachelor of Arts in English Language and Literature, English with Economics, English with Management and Bachelor of Science in Mathematics, Mathematics with Economics, Mathematics with Management, Computer Science, Computer Science with Economics and Computer Science with Management.

Polytechnics : There are four polytechnics offering a wide range of 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, general business and management and computing courses. The specialized fields include nautical studies; mass communication, film and video; product and apparel design and merchandising; tourism and hospitality management; health sciences and nursing. Some of the courses are conducted on a part-time basis for the 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.

18.1

ENROLMENT IN EDUCATIONAL INSTITUTIONS

	Number						
	1985	1990	1991	1992	1993	1994	1995
Total	521,705	520,832	521,549	525,636	531,203	538,785	558,700
Primary Schools	278,060	257,932	260,286	262,599	261,534	251,097	261,648
Secondary Schools	164,168	161,029	157,282	156,362	155,834	174,483	181,548
Pre-University ¹	26,160	30,430	28,431	25,787	24,895	23,498	22,114
Institute of Technical Education ²	13,404	15,769	15,181	15,117	15,168	12,492	9,476
Institutions of Higher Learning ³	39,913	55,672	60,369	65,771	73,772	77,215	83,914

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.

18.2

STUDENTS AND TEACHERS IN EDUCATIONAL INSTITUTIONS, END JUNE 1995

	Number						
	Instituti- ons ¹	Students			Teachers		
		Total	Males	Females	Total	Males	Females
Total	395	558,700	294,931	263,769	28,417	11,805	16,612
Primary Schools	199	261,648	136,651	124,997	10,356	2,373	7,983
Secondary Schools	155	181,548	94,810	86,738	8,150	3,017	5,133
Pre-U Centres ^{2,3}							
& Centralised Institutes ⁴	9	2,994	1,064	1,930	198	65	133
Junior Colleges	14	19,120	8,991	10,129	1,429	560	869
Institute of Technical Education	11	9,476	6,656	2,820	1,382	1,031	351
Polytechnics	4	46,841	27,258	19,583	3,558	2,331	1,227
National Institute of Education ⁵	1	2,482	658	1,824	372	191	181
National University of Singapore & Nanyang Technological University	2	34,591	18,843	15,748	2,972	2,237	735

Source : Ministry of Education

Note : Figures for institutions of higher learning include part-time students and teachers.

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 The number of institutions includes 8 Pre-U Centres where Pre-U classes are held in secondary schools.

4 Teachers teaching in centralised institutes are included under junior colleges.

5 Refer to full-time teaching staff and students.

18.3

PRIMARY SCHOOLS, STUDENTS AND TEACHERS BY TYPE OF SCHOOL

	Number						
	1985	1990	1991	1992	1993	1994	1995
Schools							
Total	252	208	202	194	193	194	199
Government	180	157	152	145	145	147	152
Government-aided	71	50	49	48	47	46	46
Private	1	1	1	1	1	1	1
Students							
Total	278,060	257,932	260,286	262,599	261,534	251,097	261,648
Government	211,855	195,994	197,491	198,481	196,239	185,212	192,042
Government-aided	66,020	61,763	62,618	63,984	65,163	65,793	69,511
Private	185	175	177	134	132	92	95
Teachers¹							
Total	10,351	10,006	9,843	10,188	10,711	10,553	10,356
Government	7,917	7,848	7,677	7,682	8,173	7,930	7,770
Government-aided	2,434	2,158	2,166	2,506	2,538	2,623	2,586

Source : Ministry of Education

- 1 Exclude kindergarten, relief teachers, teachers in ECA Centre and headquarters and those seconded to statutory boards and other ministries.
Teachers teaching primary classes in private schools are included with the teachers in private secondary schools.

18.4

ENROLMENT IN GOVERNMENT AND GOVERNMENT-AIDED
PRIMARY SCHOOLS BY LEVEL AND AGE, END JUNE 1995

Level & Course	Total	Under 7 Years	7 & Under 8	8 & Under 9	9 & Under 10	Number
Total	261,553	52,655	43,467	38,083	41,912	
Primary 1	53,117	52,649	328	100	34	
Primary 2	43,847	6	43,128	451	177	
Primary 3	38,577	-	11	37,513	658	
Primary 4	42,209	-	-	19	41,012	
Primary 5	41,269	-	-	-	31	
EM1	7,187	-	-	-	7	
EM2	30,439	-	-	-	24	
EM3	3,643	-	-	-	-	
Primary 6	42,534	-	-	-	-	
EM1	6,384	-	-	-	-	
EM2	28,553	-	-	-	-	
EM3	7,597	-	-	-	-	

Level & Course	10 & Under 11	11 & Under 12	12 & Under 13	13 & Under 14	14 & Over
Total	40,970	40,012	2,887	1,418	149
Primary 1	6	-	-	-	-
Primary 2	63	20	2	-	-
Primary 3	274	94	26	1	-
Primary 4	723	322	107	26	-
Primary 5	39,873	812	415	111	27
EM1	6,966	145	57	11	1
EM2	29,368	606	328	91	22
EM3	3,539	61	30	9	4
Primary 6	31	38,764	2,337	1,280	122
EM1	10	6,209	112	41	12
EM2	21	27,534	575	333	90
EM3	-	5,021	1,650	906	20

Source : Ministry of Education

Notes : EM1 refers to the stream where pupils learn English and the mother tongue at higher level (Higher Chinese, Higher Malay or Higher Tamil formerly known as CL1, ML1 and TL1).

EM2 refers to the stream where pupils learn English and the mother tongue (Chinese, Malay or Tamil 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).

18.5

SECONDARY SCHOOLS, STUDENTS AND TEACHERS BY TYPE OF SCHOOL

										Number

18.6 JUNIOR COLLEGES, STUDENTS AND TEACHERS BY TYPE OF SCHOOL

								Number
	1985	1990	1991	1992	1993	1994	1995	
Schools								
Total	36	46	43	30	30	29	26	
Government Junior College	6	9	9	9	9	9	9	
Government-aided Junior College	5	5	5	5	5	5	5	
Centralised Institute	-	4	4	4	4	4	4	
Pre-University Centre	22	25	22	9	9	8	5	
Private	3	3	3	3	3	3	3	
Students								
Total	26,160	30,430	28,431	28,787	24,895	23,498	22,114	
Government Junior College	9,503	13,988	13,232	12,026	11,934	11,937	11,983	
Government-aided Junior College	8,151	8,107	7,347	9,875	7,162	7,263	7,137	
Centralised Institute	-	3,202	3,779	3,861	3,636	3,083	2,373	
Pre-University Centre	7,045	3,917	2,866	1,901	1,226	574	197	
Private	1,461	1,216	1,207	1,124	937	641	424	
Teachers ¹								
Total	994	1,540	1,601	1,625	1,613	1,629	1,627	
Government Junior College	548	1,038	1,095	1,129	1,118	1,115	911	
Government-aided Junior College	446	502	506	496	495	514	518	
Centralised Institute ²	-	-	-	-	-	-	198	

Source : Ministry of Education

- 1 Exclude relief teachers, teachers in ECA Centre and headquarters and those seconded to statutory boards and other ministries. Teachers in Pre-University centres and private schools are included with secondary school teachers.
- 2 Teachers in centralised institutes prior to 1995 are included in government junior colleges.

18.7

**ENROLMENT IN GOVERNMENT AND GOVERNMENT-AIDED
SECONDARY SCHOOLS AND JUNIOR COLLEGES BY LEVEL AND AGE,
END JUNE 1995**

Level & Course	Total	Number				
		Under 12 Years	12 & Under 13	13 & Under 14	14 & Under 15	15 & Under 16
Total	202,672	43	39,268	40,451	39,931	38,897
Secondary 1						
Special	4,127	1	3,990	95	36	5
Express	22,128	39	21,011	688	315	62
Normal (Academic)	9,985	3	9,138	513	285	37
Normal (Technical)	7,260	-	5,105	1,374	769	10
Secondary 2						
Special	3,527	-	3	3,426	75	18
Express	25,326	-	21	21,004	2,374	1,770
Normal (Academic)	17,173	-	-	9,147	4,852	3,044
Normal (Technical)	7,942	-	-	4,178	2,220	1,495
Secondary 3						
Special	2,937	-	-	1	2,768	124
Express	21,835	-	-	24	18,814	1,700
Normal	12,594	-	-	1	7,400	2,786
Secondary 4						
Special	2,753	-	-	-	1	2,600
Express	20,670	-	-	-	22	17,768
Normal	12,815	-	-	-	-	7,447
Secondary 5						
Normal	9,910	-	-	-	-	-
Pre-University 1	611	-	-	-	-	-
Pre-University 2	926	-	-	-	-	-
Pre-University 3	1,033	-	-	-	-	-
Junior College 1	10,051	-	-	-	-	31
Junior College 2	9,069	-	-	-	-	-

Source: Ministry of Education

18.7

**ENROLMENT IN GOVERNMENT AND GOVERNMENT-AIDED
SECONDARY SCHOOLS AND JUNIOR COLLEGES BY LEVEL AND AGE,
END JUNE 1995 (continued)**

Level & Course						Number
	16 & Under 17	17 & Under 18	18 & Under 19	19 & Under 20	20 & Over	
Total	24,390	15,472	3,474	649	97	
Secondary 1						
Special	-	-	-	-	-	
Express	13	-	-	-	-	
Normal (Academic)	7	1	1	-	-	
Normal (Technical)	2	-	-	-	-	
Secondary 2						
Special	5	-	-	-	-	
Express	136	21	-	-	-	
Normal (Academic)	104	20	5	1	-	
Normal (Technical)	39	7	2	1	-	
Secondary 3						
Special	35	8	1	-	-	
Express	1,173	101	21	2	-	
Normal	2,309	86	12	-	-	
Secondary 4						
Special	114	37	1	-	-	
Express	1,927	860	81	11	1	
Normal	3,044	2,218	90	15	1	
Secondary 5						
Normal	6,036	2,633	1,192	44	5	
Pre-University 1	345	195	66	4	1	
Pre-University 2	1	495	332	98	-	
Pre-University 3	-	-	612	339	82	
Junior College 1	9,073	799	139	9	-	
Junior College 2	27	7,991	919	125	7	

Source: Ministry of Education

18.8

ENROLMENT AT PRIMARY LEVEL IN PRIVATE REGULAR SCHOOLS BY LEVEL AND AGE, END JUNE 1995

Age (Years)								Number
	Total	Primary 1	Primary 2	Primary 3	Primary 4	Primary 5	Primary 6	
Total	95	6	10	10	16	13	40	
Under 7	2	2	-	-	-	-	-	
7 & Under 8	4	4	-	-	-	-	-	
8 & Under 9	2	-	2	-	-	-	-	
9 & Under 10	6	-	3	3	-	-	-	
10 & Under 11	8	-	-	-	8	-	-	
11 & Under 12	10	-	3	1	1	5	-	
12 & Under 13	11	-	1	2	3	1	4	
13 & Under 14	15	-	1	3	2	3	6	
14 & Under 15	11	-	-	1	2	3	5	
15 & Over	26	-	-	-	-	1	25	

Source : Ministry of Education

18.9

ENROLMENT AT SECONDARY LEVEL IN PRIVATE REGULAR SCHOOLS BY LEVEL AND AGE, END JUNE 1995

Age (Years)							Number
	Total	Secondary 1	Secondary 2	Secondary 3	Secondary 4	Pre-University	
Total	990	117	120	144	185	424	
11 & Under 12	-	-	-	-	-	-	
12 & Under 13	8	8	-	-	-	-	
13 & Under 14	20	18	2	-	-	-	
14 & Under 15	36	26	10	-	-	-	
15 & Under 16	39	13	12	13	1	-	
16 & Under 17	128	24	30	40	16	18	
17 & Under 18	184	15	43	32	42	52	
18 & Under 19	197	6	14	29	53	95	
19 & Under 20	186	2	5	14	43	122	
20 & Over	192	5	4	16	30	137	

Source : Ministry of Education

18.10 ENROLMENT IN INSTITUTIONS OF HIGHER LEARNING BY SEX

	1985	1990	1991	1992	1993	1994	1995
Total	39,913	55,672	60,369	65,771	73,772	77,215	83,914
Males	25,075	32,692	34,928	37,703	42,018	43,421	46,759
Females	14,838	22,980	25,441	28,068	31,754	33,794	37,155
Polytechnics							
Males	15,683	19,276	20,237	21,517	24,412	24,718	27,258
Females	5,927	10,274	12,075	14,000	16,151	17,585	19,583
National Institute of Education ¹							
Males	268	433	415	487	609	647	658
Females	964	1,348	1,597	1,601	1,844	1,704	1,824
National University of Singapore & Nanyang Technological University ¹							
Males	9,124	12,983	14,276	15,699	16,997	18,056	18,843
Females	7,947	11,358	11,769	12,467	13,759	14,505	15,748

Source : National University of Singapore
Nanyang Technological University
Singapore Polytechnic

Ngee Ann Polytechnic
Temasek Polytechnic
Nanyang Polytechnic

Note : Figures include part-time students.

¹ Include enrolment for both undergraduate and postgraduate courses.

18.11 PART-TIME ENROLMENT IN INSTITUTIONS OF HIGHER LEARNING BY SEX

	1985	1990	1991	1992	1993	1994	1995
Total	5,733	6,443	8,133	8,690	10,107	10,179	11,003
Males	4,612	5,095	6,309	6,617	7,678	7,683	8,318
Females	1,121	1,348	1,824	2,073	2,429	2,496	2,685
Polytechnics							
Males	4,197	4,424	4,662	4,684	5,134	4,861	5,086
Females	1,008	1,022	1,272	1,485	1,617	1,509	1,536
National Institute of Education ¹							
Males	8	49	59	47	85	91	98
Females	50	118	142	96	90	116	145
National University of Singapore & Nanyang Technological University ¹							
Males	407	622	1,588	1,886	2,459	2,731	3,134
Females	63	208	410	492	722	871	1,004

Source : See Table 18.10.

¹ Include enrolment for both undergraduate and postgraduate courses.

18.12

STUDENTS ADMITTED TO INSTITUTIONS OF HIGHER LEARNING BY SEX

	Number						
	1985	1990	1991	1992	1993	1994	1995
Total	14,552	19,934	20,499	23,212	24,991	25,396	27,627
Males	8,967	11,014	11,216	12,451	13,554	13,642	14,566
Females	5,585	8,920	9,283	10,761	11,437	11,754	13,061
Polytechnics ¹							
Males	6,256	7,017	7,211	7,985	9,100	9,032	10,125
Females	2,476	4,455	4,879	5,687	6,418	6,860	7,688
National Institute of Education ²							
Males	225	313	189	386	386	325	325
Females	773	914	888	1,250	1,074	739	772
National University of Singapore & Nanyang Technological University ²							
Males	2,486	3,684	3,816	4,080	4,068	4,285	4,116
Females	2,336	3,551	3,516	3,824	3,945	4,155	4,601

Source : National University of Singapore
Nanyang Technological University
Singapore Polytechnic

Ngee Ann Polytechnic
Temasek Polytechnic
Nanyang Polytechnic

Note : Data refer to academic year.

1 Include part-time students.

2 Cover undergraduates only.

18.13

PART-TIME STUDENTS ADMITTED TO INSTITUTIONS OF HIGHER LEARNING BY SEX

	Number						
	1985	1990	1991	1992	1993	1994	1995
Total	2,039	1,960	2,279	2,430	2,590	2,013	2,565
Males	1,762	1,492	1,714	1,853	1,850	1,469	1,886
Females	277	468	565	577	740	544	679
Polytechnics	2,039	1,896	2,246	2,430	2,539	1,961	2,379
Males	1,762	1,472	1,710	1,853	1,826	1,446	1,762
Females	277	424	536	577	713	515	617
National Institute of Education ¹	-	64	33	-	51	52	70
Males	-	20	4	-	24	23	29
Females	-	44	29	-	27	29	41
National University of Singapore & Nanyang Technological University	-	-	-	-	-	-	116
Males	-	-	-	-	-	-	95
Females	-	-	-	-	-	-	21

Source : See Table 18.12.

Note : Data refer to academic year.

1 Cover undergraduates only.

STUDENTS ADMITTED TO INSTITUTIONS OF HIGHER LEARNING
BY COURSE

Course	Number						
	1985	1990	1991	1992	1993	1994	1995
Total	14,552	19,934	20,499	23,212	24,991	25,396	27,627
National University of Singapore (NUS) ¹	4,654	5,053	4,304	4,541	4,716	5,015	5,192
Arts & Social Sciences	961	1,346	1,351	1,386	1,485	1,531	1,605
Science ²	907	1,381	1,325	1,404	1,391	1,544	1,458
Medicine	200	150	150	150	150	150	150
Dentistry	38	34	35	34	34	34	33
Law	200	199	203	200	190	179	171
Business Administration	491	521	542	564	594	611	619
Accountancy ⁵	456	-	-	-	-	-	-
Architecture, Building & Estate Management	258	285	263	271	246	252	263
Engineering Technology	1,143	1,137	435	532	626	714	777
(Electronics Engineering)	-	-	-	-	-	-	116
Nanyang Technological University (NTU) ^{1,3,4}	168	2,182	3,028	3,363	3,297	3,425	3,525
Engineering ⁴	168	602	1,254	1,390	1,270	1,373	1,397
Accountancy ⁵	-	733	704	718	721	743	762
Business	-	584	613	663	684	726	675
Communication Studies	-	-	-	-	97	105	113
Computer Engineering ⁶	-	263	289	299	251	245	283
Materials Engineering	-	-	49	60	66	63	82
Arts with Diploma in Education	-	-	89	194	163	136	158
Science with Diploma in Education	-	-	30	39	45	34	55
National Institute of Education (NIE) ^{1,7}	998	1,227	1,077	1,636	1,460	1,064	1,097

Note : Data refer to academic year.

1 Cover undergraduates 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 Exclude second year engineering students transferred from NUS. There is no more streaming from NUS into 2nd year from 1992 onwards.

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

6 Prior to 1994, 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.

18.14 STUDENTS ADMITTED TO INSTITUTIONS OF HIGHER LEARNING BY COURSE (continued)

Course	Number						
	1985	1990	1991	1992	1993	1994	1995
Singapore Polytechnic	4,820	5,780	6,142	6,762	6,955	6,589	7,084
Engineering ⁸	4,060	4,256	4,496	4,671	4,725	4,538	4,684
Architecture & Building	573	407	365	533	593	609	607
Nautical ⁹	71	115	173	194	192	166	124
Business ¹⁰	116	660	810	985	1,038	1,028	1,318
Computer ¹¹	-	342	298	379	407	248	351
Ngee Ann Polytechnic	3,912	4,960	5,075	5,225	4,543	4,932	5,210
Engineering	2,770	3,410	3,398	3,459	2,911	2,948	3,163
Business Studies & Accountancy	993	1,161	1,268	1,281	1,167	1,368	1,421
Computer Studies	149	299	304	361	319	414	422
Mass Communication & Film, Sound & Video	-	90	105	124	146	202	204
Temasek Polytechnic ¹²	-	732	873	986	1,558	1,686	2,644
Business	-	420	426	448	548	507	681
Design	-	312	146	187	182	187	239
Science & Technology	-	-	301	-	-	-	-
Information Technology & Applied Science	-	-	-	181	412	355	527
Engineering	-	-	-	170	416	637	1,197
Nanyang Polytechnic ¹³	-	-	-	699	2,462	2,685	2,875
Business	-	-	-	384	433	531	559
Health Science	-	-	-	315	557	650	759
Engineering	-	-	-	-	1,296	1,336	1,353
Information Technology	-	-	-	-	176	168	204

Source: National University of Singapore
Nanyang Technological University
Singapore Polytechnic

Ngee Ann Polytechnic
Temasek Polytechnic
Nanyang Polytechnic

Notes : Data refer to academic year.

Figures for Polytechnics include part-time students.

8 Include technology courses, eg Biotechnology.

9 Include Maritime Transportation.

10 From 1993, 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 Temasek Polytechnic was established in April 1990.

13 Nanyang Polytechnic was established in April 1992.

18.15

GRADUATES FROM INSTITUTIONS OF HIGHER LEARNING BY SEX

	1985	1990	1991	1992	1993	1994	Number 1995
Total	8,955	13,711	14,552	16,299	18,318	19,632	20,603
Males	5,140	7,634	7,998	8,704	9,720	10,643	10,683
Females	3,815	6,077	6,554	7,595	8,598	8,989	9,920
Polytechnics ¹							
Males	3,176	4,843	4,955	5,241	5,889	6,416	6,362
Females	1,233	2,541	2,584	3,204	4,012	4,428	4,996
National Institute of Education ²							
Males	126	274	266	289	266	338	317
Females	409	719	760	934	903	935	1,001
National University of Singapore & Nanyang Technological University ²							
Males	1,838	2,517	2,777	3,174	3,565	3,889	4,004
Females	2,173	2,817	3,210	3,457	3,683	3,626	3,923

Source : National University of Singapore
Nanyang Technological University
Singapore Polytechnic

Ngee Ann Polytechnic
Temasek Polytechnic
Nanyang Polytechnic

Note : Data refer to academic year.

1 Include graduates from part-time courses.

2 Cover first degree graduates only.

18.16

GRADUATES FROM PART-TIME COURSES OF INSTITUTIONS OF HIGHER LEARNING BY SEX

	1985	1990	1991	1992	1993	1994	Number 1995
Total	980	1,194	1,233	1,219	1,290	1,235	1,517
Males	746	980	1,024	952	926	949	1,080
Females	234	214	209	267	364	286	437
Polytechnics	980	1,123	1,233	1,147	1,231	1,215	1,467
Males	746	948	1,024	933	919	932	1,058
Females	234	175	209	214	312	283	409
National Institute of Education ¹	-	71	-	72	59	20	50
Males	-	32	-	19	7	17	22
Females	-	39	-	53	52	3	28
National University of Singapore & Nanyang Technological University	-	-	-	-	-	-	-
Males	-	-	-	-	-	-	-
Females	-	-	-	-	-	-	-

Source : See Table 18.14.

Note : Data refer to academic year.

1 Cover first degree graduates only.

GRADUATES FROM INSTITUTIONS OF HIGHER LEARNING BY COURSE

Course	Number						
	1985	1990	1991	1992	1993	1994	1995
Total	8,955	13,711	14,552	16,229	18,318	19,632	20,603
National University of Singapore (NUS) ¹	3,454	4,001	4,440	4,615	4,665	4,802	4,920
Arts & Social Sciences	1,046	1,193	1,452	1,511	1,654	1,646	1,736
Science ²	854	1,278	1,331	1,337	1,521	1,483	1,589
Medicine	137	207	167	197	156	165	141
Dentistry	27	28	20	37	25	29	28
Law	127	210	195	194	185	186	194
Business Administration	464	533	675	690	445	562	524
Accountancy	364	-	-	-	-	-	-
Architecture, Building & Estate Management	223	252	264	257	276	318	296
Engineering	212	300	336	392	403	413	412
Nanyang Technological University (NTU) ^{1,3}	557	1,333	1,547	2,016	2,583	2,713	3,007
Engineering	557	761	880	1,044	1,113	1,166	1,195
Accountancy	-	572	667	651	691	649	684
Business	-	-	-	178	545	584	631
Computer Technology	-	-	-	143	234	278	315
Materials Engineering	-	-	-	-	-	36	69
Arts with Diploma in Education	-	-	-	-	-	-	83
Science with Diploma in Education	-	-	-	-	-	-	30
National Institute of Education (NIE) ^{1,4}	535	993	1,026	1,223	1,169	1,273	1,318

Notes : Data refer to academic year.

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.

Course	Number						
	1985	1990	1991	1992	1993	1994	1995
Singapore Polytechnic	2,867	4,200	4,231	4,593	5,070	5,243	5,367
Engineering ⁵	2,246	3,397	3,268	3,363	3,771	3,829	3,750
Architecture & Building	496	297	314	306	324	343	479
Nautical ⁶	79	27	32	42	71	139	115
Business ⁷	46	321	426	600	607	685	817
Computer ⁸	-	158	191	282	297	247	206
Ngee Ann Polytechnic	1,542	3,184	3,219	3,765	3,992	4,243	4,075
Engineering	922	2,027	2,114	2,415	2,596	2,726	2,585
Business Studies & Accountancy	517	970	856	1,045	1,040	1,150	1,137
Computer Studies	103	187	249	254	274	269	258
Mass Communication & Film, Sound & Video	-	-	-	51	82	98	95
Temasek Polytechnic ⁹	-	-	89	87	588	796	866
Business	-	-	-	-	377	395	402
Design	-	-	89	87	92	119	152
Information Technology & Applied Science	-	-	-	-	119	143	167
Engineering	-	-	-	-	-	139	145
Nanyang Polytechnic ¹⁰	-	-	-	-	251	562	1,050
Engineering ¹¹	-	-	-	-	251	515	341
Health Science	-	-	-	-	-	47	340
Business	-	-	-	-	-	-	369

Source : National University of Singapore
Nanyang Technological University
Singapore Polytechnic

Ngee Ann Polytechnic
Temasek Polytechnic
Nanyang Polytechnic

Notes : Data refer to academic year.

Figures for Polytechnics include part-time courses.

5 Include technology courses, eg Biotechnology.

6 Include Maritime Transportation.

7 From 1993, 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 Temasek Polytechnic was established in April 1990.

10 Nanyang Polytechnic was established in April 1992.

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

18.18

POLYTECHNIC GRADUATES FROM PART-TIME COURSES BY COURSE

								Number
	1985	1990	1991	1992	1993	1994	1995	
Singapore Polytechnic	980	1,026	1,074	1,020	1,054	975	1,116	
Engineering	697	880	906	813	877	852	805	
Architecture & Building	237	130	108	66	35	65	203	
Business	46	16	38	74	75	21	45	
Computer	-	-	22	67	67	37	63	
Ngee Ann Polytechnic	-	97	159	127	177	240	229	
Engineering	-	52	103	85	104	170	182	
Business Studies & Accountancy	-	45	41	30	53	70	47	
Computer Studies	-	-	15	12	20	-	-	
Temasek Polytechnic	-	-	-	-	-	-	99	
Management Diploma in Accounting & Finance	-	-	-	-	-	-	10	
Management Diploma in Sales & Marketing	-	-	-	-	-	-	49	
Advance Diploma in Management Studies	-	-	-	-	-	-	16	
Certificate in Library & Information Studies	-	-	-	-	-	-	24	
Nanyang Polytechnic	-	-	-	-	-	-	23	
Management Diploma in Marketing	-	-	-	-	-	-	23	

Source: Singapore Polytechnic

Ngee Ann Polytechnic

Temasek Polytechnic

Nanyang Polytechnic

Note : Data refer to academic year.

18.19 STUDENTS ADMITTED TO OPEN UNIVERSITY, 1995

	Total	Sex		Age Group (Years)			Number
		Males	Females	Below 30	30 - 39	40 & Over	
Arts	291	74	217	150	101	40	
Science	807	543	264	387	363	57	

Source : Singapore Institute of Management

18.20 INTAKE OF TRAINEES UNDER THE FULL-TIME INSTITUTIONAL TRAINING AND APPRENTICESHIP PROGRAMMES AND TRAINEES WHO COMPLETED THE PROGRAMMES, 1995

Type of Training/Level	Intake of Trainees			Trainees who Completed the Programmes			Number
	Persons	Males	Females	Persons	Males	Females	
Total	6,176	4,124	2,052	7,325	4,937	2,388	
Engineering							
Industrial Technician Certificate	1,077	962	115	1,045	940	105	
Business Studies							
Certificate in Business Studies/ Certificate in Office Skills	1,755	456	1,299	1,784	307	1,477	
Technical Skills							
National Technical Certificate (Incl Certificate of Vocational Training)	3,215	2,682	533	4,398	3,672	726	
Service Skills							
Certificate in Service Skills	129	24	105	98	18	80	

Source : Institute of Technical Education

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

18.21

TRAINING PLACES TAKEN UP BY WORKERS UNDER THE SKILLS TRAINING PROGRAMMES AND WORKERS WHO COMPLETED THE PROGRAMMES, 1995

Type of Training/Level	Number					
	Training Places Taken Up			Workers who Completed the Programmes		
	Persons	Males	Females	Persons	Males	Females
Total	15,580	13,200	2,380	13,467	11,292	2,175
Engineering						
Industrial Technician Certificate	557	529	28	234	215	19
Technical Skills						
National Technical Certificate	13,531	11,647	1,884	11,767	10,077	1,690
Other Certificates (incl Certificate of Competency)	288	278	10	262	254	8
Others (incl customised courses)	1,204	746	458	1,204	746	458

Source : Institute of Technical Education

Note : Most of the Skills Training Programmes are offered in modules of 6 months' duration. A worker may attend more than one module a year.

18.22

TRAINING PLACES TAKEN UP BY WORKERS UNDER THE CONTINUING ACADEMIC EDUCATION PROGRAMMES AND WORKERS WHO COMPLETED THE PROGRAMMES, 1995

Type of Programme	Number					
	Training Places Taken Up			Workers who Completed the Programmes		
	Persons	Males	Females	Persons	Males	Females
Total	45,147	18,901	26,246	27,511	11,474	16,037
Basic Education for Skills Training (BEST)	17,379	6,289	11,090	10,523	3,862	6,661
Worker Improvement through Secondary Education (WISE)	16,488	7,221	9,267	9,698	4,262	5,436
Continuing Education	11,280	5,391	5,889	7,290	3,350	3,940

Source : Institute of Technical Education

Note : The BEST and WISE programmes are offered in modules of 6 months' duration. A worker may attend more than one module a year.

Programme	Number			
	1992	1993	1994	1995
Males				
Total	3,075	3,069	2,468	2,523
Technical Skills				
National Technical Certificates				
Grades 2 & 3	2,570	2,340	1,913	1,931
Certificate of Competency	110	105	106	131
Service skills				
Certificate in Service Skills	10	4	3	4
Basic Education for Skills Training (BEST)	101	144	129	147
Worker Improvement through				
Secondary Education (WISE)	284	476	317	310
Females				
Total	1,956	1,765	1,206	1,444
Technical Skills				
National Technical Certificates				
Grades 2 & 3	1,323	1,051	836	967
Certificate of Competency	13	19	5	20
Service skills				
Certificate in Service Skills	68	65	22	18
Basic Education for Skills Training (BEST)	127	191	106	119
Worker Improvement through				
Secondary Education (WISE)	425	439	237	320

Source : Institute of Technical Education

Thousand Dollars

	1985	1990	1991	1992	1993	1994	1995
Total	1,775,580	2,055,073	2,816,373	2,597,894	2,902,887	3,318,956	3,632,607
Recurrent Expenditure	1,388,325	1,794,521	2,356,796	2,043,178	2,210,330	2,486,241	2,759,934
Primary Schools	422,806	531,475	551,040	568,250	600,721	644,435	709,095
Secondary Schools & Junior Colleges	431,866	570,968	597,506	616,059	664,452	759,658	845,469
Institute of Technical Education	80,294	84,300	87,580	89,000	103,100	105,648	109,670
Tertiary	387,224	526,477	1,038,782	638,704	727,482	861,674	960,030
National University of Singapore & Nanyang Technological University	253,811	351,476	841,154	412,524	431,554	502,999	568,050
National Institute of Education	22,979	23,591	27,620	29,850	33,335	38,392	40,990
Polytechnics	110,434	151,410	170,008	196,330	262,593	320,283	350,990
Others ¹	66,135	81,301	81,888	131,165	114,575	114,826	135,670
Development Expenditure	387,255	260,552	459,577	554,716	692,557	832,715	872,673

Source: Ministry of Education

Note : Data refer to the financial year which begins in March and ends in April of the following year.

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

The health services provided by the government is very comprehensive. The Ministry of Health is responsible for the overall policy on health matters, the maintenance of public health standards, the development of health programmes and preventive measures, the provision of treatment and hospital facilities and family planning services in the public sector. In addition, the Ministry monitors family planning and population policies.

The Ministry of Health's services to the general public are in respect of four main areas; namely, Primary Health Care Services, Hospital Services, Supporting Services and Dental Services.

Primary Health Care Services

The Primary Health Care Services which include Family Health Services (FHS) and School Health Services (SHS) are provided at 20 community health clinics and 15 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 12 public sector hospitals of which 6 are general hospitals providing accident and emergency services and multi-disciplinary treatment, 1 community hospital and 5 specialist hospitals/centres providing specialist treatment in obstetrics and gynaecology, ophthalmology, psychiatry, dermatology and venereology and infectious diseases. In addition, there are 12 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, family/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.

Registration Act, the Pharmacists Registration Act, the Nurses and Mid-wives 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 & Epidemiology 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.

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 Dentist

	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
Hospital Admissions	180,152	187,103	194,103	201,103	208,103	215,103	222,103	229,103	236,103	243,103	250,103	257,103	264,103	271,103
Public Sector Hospitals	132,088	139,088	146,088	153,088	160,088	167,088	174,088	181,088	188,088	195,088	202,088	209,088	216,088	223,088
Private Sector Hospitals	48,064	48,015	48,015	48,015	48,015	48,015	48,015	48,015	48,015	48,015	48,015	48,015	48,015	48,015
Public Sector Outpatient Attendants	2,340,243	2,402,243	2,464,243	2,526,243	2,588,243	2,650,243	2,712,243	2,774,243	2,836,243	2,898,243	2,960,243	3,022,243	3,084,243	3,146,243
Specialist Outpatient Clinics	438,208	445,208	452,208	459,208	466,208	473,208	480,208	487,208	494,208	501,208	508,208	515,208	522,208	529,208
Family Health Services	2,100,244	2,100,244	2,100,244	2,100,244	2,100,244	2,100,244	2,100,244	2,100,244	2,100,244	2,100,244	2,100,244	2,100,244	2,100,244	2,100,244
Maternal & Child Health	787,823	787,823	787,823	787,823	787,823	787,823	787,823	787,823	787,823	787,823	787,823	787,823	787,823	787,823
Dental Clinics	1,104,031	1,104,031	1,104,031	1,104,031	1,104,031	1,104,031	1,104,031	1,104,031	1,104,031	1,104,031	1,104,031	1,104,031	1,104,031	1,104,031
Day Surgeries	18,120	18,120	18,120	18,120	18,120	18,120	18,120	18,120	18,120	18,120	18,120	18,120	18,120	18,120

19.1 HOSPITALS AND GOVERNMENT CLINICS

	Number						
	1985	1990	1991	1992	1993	1994	1995
Hospitals	22	21	22	22	24	25	24
Public Sector ¹	11	11	11	12	13	13	12
Private Sector ²	11	10	11	10	11	12	12
Hospital Beds	10,000	9,759	9,801	9,726	10,469	10,446	10,537
Public Sector ¹	8,329	7,922	7,892	7,833	8,640	8,346	8,326
Private Sector ²	1,671	1,837	1,909	1,893	1,829	2,100	2,211
Government Dental Clinics ³	176	192	185	184	185	185	195
Family Health Services ⁴							
Outpatient	26	21	22	19	20	21	20
Maternal & Child Health	29	18	17	17	18	19	15

Source : Ministry of Health

Note : The number of hospitals in public sector includes medical institutions.

1 Include Government Hospitals, Government Restructured Hospitals and National University Hospital.

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

3 Include dental clinics in schools.

4 Integrated with effect from 1 July 1992.

19.2 HOSPITAL ADMISSIONS AND PUBLIC SECTOR OUTPATIENT ATTENDANCES

	Number						
	1985	1990	1991	1992	1993	1994	1995
Hospital Admissions	280,152	337,103	336,937	348,126	342,591	343,342	357,555
Public Sector Hospitals ¹	232,988	259,541	259,752	265,535	259,446	257,843	266,142
Private Sector Hospitals	47,164	77,562	77,185	82,591	83,145	85,499	91,413
Public Sector Outpatient Attendances							
Specialist Outpatient Clinics	1,246,343	1,455,985	1,578,396	1,762,927	1,869,061	1,963,901	2,071,310
Accident & Emergency							
Departments	438,308	533,571	541,502	545,339	510,556	499,937	523,785
Walk-in Clinics ²	-	-	-	-	-	273	18,749
Family Health Services ³							
Outpatient	2,346,344	2,015,083	1,935,380	2,108,865	2,150,680	2,059,955	2,100,904
Maternal & Child Health	747,623	791,865	775,583	809,759	790,014	739,293	720,682
Dental Clinics	1,164,031	1,109,043	1,092,143	1,082,380	1,051,485	1,054,561	1,086,737
Day Surgeries							
Operations	15,789	38,126	40,845	51,634	60,400	58,357	60,222

Source : Ministry of Health

Note : The number of hospitals in public sector includes medical institutions.

1 Include Government Hospitals, Government Restructured Hospitals and National University Hospital.

2 Started at Tan Tock Seng Hospital with effect from 1 November 1994 and at Singapore General Hospital with effect from 10 August 1995.

3 Integrated with effect from 1 July 1992.

19.3 REGISTERED HEALTH PERSONNEL

								Number

Source : Ministry of Health

Note : Registered health personnel in the public sector refer to Government, Government Restructured Hospital and University personnel.

1 Refer to those with professional degrees only.

2 Prior to 1988, figures were included in private sector.

19.4

VISITS TO GOVERNMENT DENTAL CLINICS

	Number						
	1985	1990	1991	1992	1993	1994	1995
Dental Clinics	1,164,031	1,109,043	1,092,143	1,082,380	1,051,485	1,054,561	1,086,737
School	750,157	825,279	825,318	813,405	791,741	790,164	813,405
Hospital	149,332	181,284	165,778	168,945	168,959	174,435	175,882
Community	264,542	102,480	101,047	100,030	90,785	89,962	97,450

Source : Ministry of Health

19.5

NOTIFICATIONS OF SPECIFIC NOTIFIABLE DISEASES

	Number						
Notifiable Diseases	1985	1990	1991	1992	1993	1994	1995
Dengue/DHF	126	1,733	2,179	2,878	946	1,239	2,008
Malaria	166	216	267	221	354	277	316
Enteric fever ¹	148	231	132	162	144	151	171
Viral Hepatitis	610	440	501	596	317	258	267
Cholera	27	26	34	17	24	42	14
Poliomyelitis	-	-	-	-	-	-	-
Diphtheria	-	1	1	1	-	-	-
Chicken pox	2,925	18,934	17,930	29,976	43,876	39,558	34,066
Viral Encephalitis ²	5	4	1	10	2	-	4
Tuberculosis	1,952	1,591	1,841	1,747	1,939	1,836	2,176
Leprosy	57	36	23	41	24	27	34

Source : Ministry of the Environment
Ministry of Health

Note : No cases of plague, smallpox and yellow fever were reported during the period.

1 Refer to typhoid and paratyphoid.

2 In 1995, only 1 case was due to Japanese Encephalitis.

19.6

IMMUNIZATION COVERAGE BY PUBLIC AND PRIVATE SECTORS

										Per Cent
				1985	1990	1991	1992	1993	1994	1995
BCG										
National				93	99	99	99	98	97	97
Public				73	47	46	47	45	45	42
Private				20	52	53	52	53	52	58
Diphtheria										
National				78	86	91	90	92	95	96
Public				63	63	66	72	75	64	56
Private				15	23	25	18	17	31	44
Poliomyelitis										
National				81	86	91	92	92	92	94
Public				63	63	66	63	70	61	71
Private				18	23	25	29	22	31	29
Measles										
National				75	82	92	89	87	89	90
Public				61	60	71	61	68	66	76
Private				14	22	21	28	19	23	24

Source : Ministry of Health

19.7

VACCINATION AND IMMUNIZATION OF SCHOOL CHILDREN

										Thousand Doses
				1985	1990	1991	1992	1993	1994	1995
BCG Vaccination										
				32.9	34.5	31.8	27.7	38.9	34.3	33.0
Diphtheria Tetanus										
				81.8	74.5	76.4	70.2	81.2	81.5	87.7
Poliomyelitis Immunization										
				80.4	74.0	75.7	70.1	81.1	81.3	87.6
Rubella										
				44.5	38.0	37.2	30.7	45.3	40.7	38.2

Source : Ministry of Health

19.8 STUDENT MEDICAL CHECK-UP

Thousand

	1985	1990	1991	1992	1993	1994	1995
Total	196.6	589.7	580.0	587.9	660.9	647.2	642.9
New Entrants	39.1	39.0	40.2	41.5	37.8	43.3	53.2
Primary School Leavers and equivalent levels	47.2	38.5	38.9	33.2	49.6	45.3	42.4
Secondary School Leavers and equivalent levels	37.4	36.7	36.0	39.1	36.1	35.8	35.9
Re-examination	71.7	472.6	461.8	470.6	533.7	518.9	507.9
Others ¹	1.3	2.8	3.1	3.5	3.5	3.9	3.6

Source : Ministry of Health

¹ Figures from 1988 refer to Institute of Technical Education and Special School Students.

19.9 COMMON DEFECTS OF STUDENTS EXAMINED

	1985	1990	1991	1992	1993	1994	1995
Per 10,000 Males Examined							
Incidence of:							
Defective Vision	3,490	4,106	4,243	4,407	4,432	4,767	4,836
Obesity							
Primary School Entrants	777	1,188	1,426	1,501	1,519	1,381	1,227
Primary School Leavers	1,144	1,881	2,080	2,117	2,121	1,442	1,382
Secondary School Leavers ¹	-	1,401	1,634	1,719	1,676	1,227	1,069
Scoliosis	587	505	232	313	255	263	191
Asthma	123	468	462	445	552	545	503
Phimosis	493	330	301	287	334	272	256
Per 10,000 Females Examined							
Incidence of:							
Defective Vision	4,409	4,424	4,532	4,640	4,797	4,767	5,035
Obesity							
Primary School Entrants	650	977	1,217	1,197	1,288	1,377	1,213
Primary School Leavers	716	1,159	1,372	1,315	1,545	1,232	1,175
Secondary School Leavers	971	1,136	1,357	1,465	1,399	1,255	1,126
Scoliosis	957	853	538	637	537	533	379
Asthma	80	334	308	274	455	406	651
Heart Conditions	201	294	229	185	255	210	273

Source : Ministry of Health

¹ Prior to 1987, Ministry of Health did not screen Secondary School Leavers for obesity.

	1985	1990	1991	1992	1993	1994	1995
Donors (Persons)	39,772	43,383	45,302	42,442	41,389	45,855	49,011
Blood Donations Received (No of Units)	59,308	61,403	64,281	60,962	64,126	64,164	69,190
National Blood Centre ¹	33,627	36,679	34,450	32,791	33,969	33,648	33,542
Apheresis Donations	-	-	590	832	2,028	2,881	3,989
Mobile	21,530	18,934	22,572	21,489	22,167	22,324	28,210
Red Cross	4,151	3,098	3,096	2,639	2,607	2,563	2,674
National University Hospital Blood Centre ²	-	2,692	4,163	3,933	4,926	5,331	4,764
Manulife Static Site ³	-	-	-	110	457	298	-
Blood Transfusions Given (No of Units)	52,411	57,683	55,258	53,465	54,076	53,525	57,067
Public Sector Hospitals ⁴	46,164	49,186	47,711	45,596	44,738	44,737	47,179
Private Sector Hospitals	6,247	8,497	7,547	7,869	9,338	8,788	9,888

Source : Ministry of Health

Notes : One unit of blood is approximately 430 millilitres.

Figures exclude blood bank in Mt Alvernia Hospital.

- 1 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.
- 2 Blood collections from NUH Blood Centre were included in the National blood collection programme with effect from 1 November 1989.
- 3 Started functioning from 27 October 1992 and closed on 31 December 1994.
- 4 Include Government Hospitals, Government Restructured Hospitals and National University Hospital.

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.

20.1

LICENSED HAWKERS BY (a) TYPE OF PREMISES AND (b) TYPE OF GOODS SOLD (End of Period)

	Number						
	1985	1990	1991	1992	1993	1994	1995
Total	6,775	5,358	4,689	4,475	4,286	4,142	3,955
Type of Premises							
Market/Food Centre	6,353	5,184	4,530	4,332	4,157	4,020	3,840
Street Pitch ¹	151	-	-	-	-	-	-
Show Case	43	19	18	18	14	13	11
Itinerant ²	228	155	141	125	115	109	104
Type of Goods Sold							
Market Produce	2,906	2,198	1,856	1,785	1,698	1,594	1,504
Cooked Food	3,127	2,634	2,357	2,222	2,140	2,097	2,001
Piece & Sundries	742	526	476	468	448	451	450

Source : Ministry of the Environment

Note : Exclude private markets and markets/food centres of Statutory Boards.

1 Phased out by 1989.

2 Hawkers selling ice-cream, cakes or/and bread.

20.2

LICENSED HAWKERS BY (a) MANAGEMENT AUTHORITY AND (b) TYPE OF GOODS SOLD (End of Period)

	Number						
	1985	1990	1991	1992	1993	1994	1995
Total	19,011	16,484	16,182	15,933	15,516	15,499	15,434
Management Authority							
Housing & Development Board	17,410	15,814	15,509	15,384	15,169	15,162	15,125
Jurong Town Corporation	229	226	227	216	215	210	208
Port of Singapore Authority	60	70	70	72	72	72	59
Singapore Tourist Promotion Board	29	-	-	-	-	-	-
Private Market	1,283	374	376	261	60	55	42
Type of Goods Sold							
Market Produce	10,330	8,352	8,177	8,037	7,837	7,814	7,703
Cooked Food	6,352	5,963	5,880	5,786	5,675	5,675	5,752
Piece & Sundries	2,329	2,169	2,125	2,110	2,004	2,010	1,979

Source : Ministry of the Environment

20.3

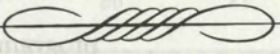
LICENSED FOOD ESTABLISHMENTS (End of Period)

	Number						
	1985	1990	1991	1992	1993	1994	1995
Total	6,870	8,240	8,410	8,584	9,082	9,265	9,199
Restaurants	767	1,125	1,236	1,342	1,488	1,578	1,704
Eating Houses	1,603	1,670	1,572	1,523	1,523	1,491	1,467
Snack Bars	482	754	773	814	991	1,108	1,231
Canteens	1,601	1,529	1,551	1,576	1,614	1,614	1,639
School	428	400	397	386	397	399	405
Others	1,173	1,129	1,154	1,190	1,217	1,215	1,234
Coffee Shops	261	180	158	142	134	119	105
Food Factories	1,206	1,439	1,460	1,452	1,445	1,441	1,203
Supermarkets	169	140	156	160	168	163	179
Others	781	1,403	1,504	1,575	1,719	1,751	1,671

Source : Ministry of the Environment

1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
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.																																							

COMMUNITY SERVICES



Grassroots organisations include Residents' Committees, Community Centre Clubs, 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.

Public Assistance (PA) is provided to help the financially distressed regain their independence. It is not intended as an employment, retirement or disability support. PA recipients are categorised as follows:

- (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

"Volunteers" in the MCD context refer to individuals who are providing services in community and welfare programmes without receiving full market rates of remuneration or allowance.

The MCD plans, coordinates and monitors the implementation of a range of services for senior citizens. The main services for senior citizens include:

Services for Senior Citizens

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21 COMMUNITY SERVICES

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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, 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 full market rates of remuneration or allowances.

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 1993, 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.

Public Assistance

Public assistance (PA) is provided to help the financially distressed regain their independence. It is not intended as an unemployment, retirement or disability support. PA recipients are categorised as follows :

- (i) aged destitutes;
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- (iii) widows or deserted wives with children under 12 years of age; and
- (iv) orphans.

21.1 GRASSROOTS ORGANISATIONS (End of Period)

	Number									
	1985	1990	1991	1992	1993	1994	1995			
Residents' Committees (RC)	276	395	401	402	412	436	444			
Citizens' Consultative Committees (CCC)	79	81	81	81	81	81	81			
CCC Area Committees	37	46	46	46	47	51	57			
Community Centres/Club Management Committees (CCMC)	138	112	107	110	108	108	110			
Women's Executive Committees (WEC)	80	88	88	90	90	88	93			
Senior Citizens' Executive Committees ¹	-	83	91	91	96	195	219			
Constituency Sports Clubs	68	80	81	81	81	81	81			

Source : People's Association
Singapore Sports Council
1 Senior Citizens' Executive Committees started in 1986.

21.2 VOLUNTEERS BY VOLUNTEER GROUP AND TYPE OF SERVICE

(End of Period)

	Number						
	1985	1990	1991	1992	1993	1994	1995
Community Service							
Total	12,290	18,211	18,692	19,236	19,898	22,024	23,068
RC/Block Representatives ¹	4,579	8,590	8,958	8,984	9,687	10,176	10,518
CCC/CCC Area-Committees ¹	2,242	2,610	2,555	2,662	2,707	2,763	2,897
Community Resource Volunteers ²	-	79	100	114	85	72	72
Community Centre/Club Management							
Committees	2,148	2,134	2,121	2,213	2,185	2,257	2,282
Women's Executive Committees	901	1,130	1,111	1,206	1,178	1,194	1,295
Senior Citizen's Executive Committees ³	-	1,146	1,267	1,339	1,389	2,859	3,245
Youth Executive Committees	1,401	1,371	1,399	1,440	1,454	1,440	1,531
Constituency Sports Club Members	1,019	1,151	1,181	1,278	1,213	1,263	1,228
Welfare Service							
Total	748	1,047	1,108	1,235	1,342	1,329	502
Welfare Service Boards/Committees	58	90	75	93	69	69	74
Befrienders for the Aged Destitutes	124	127	126	129	128	128	65
Volunteer Probation Officers	391	300	330	387	366	404	349
Befrienders for Senior Citizens ⁴	175	482	534	599	758	707	-
Volunteers in Toa Payoh Girls' Homes, Singapore Boys' Home and Bukit Batok Boys' Hostel	-	48	43	27	21	21	14

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 From 1995, the Befrienders for Senior Citizens came under the Voluntary Welfare Organisations.

21.3 ENROLMENT IN CHILD CARE CENTRES BY TYPE OF PROGRAMME AND ORGANISATION

								Number	
	1985	1990	1991	1992	1993	1994	1995		
Total	2,918	12,474	16,109	18,732	21,853	22,945	25,800		
Full-Day Programme	2,157	11,105	14,337	16,613	19,571	20,863	23,506		
People's Association	263	847	924	869	1,040	1,126	1,174		
NTUC	642	1,057	1,236	1,486	1,732	1,902	2,057		
Voluntary	829	3,961	4,787	5,391	6,517	6,998	7,617		
Workplace ¹	268	975	1,140	1,254	1,430	1,489	1,560		
Private	155	4,265	6,250	7,613	8,852	9,348	11,098		
Half-Day Programme	761	1,369	1,772	2,119	2,282	2,082	2,294		

Source : Ministry of Community Development

Notes : Data for 1990-1993 were as at 1 December while those for other years were as at 31 December.

NTUC = National Trades Union Congress.

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

21.4 PUBLIC ASSISTANCE RECIPIENTS BY CATEGORY (End of Period)

								Number	
	1985	1990	1991	1992	1993	1994	1995		
Total	3,076	2,791	2,332	2,255	2,220	2,132	1,958		
Aged Destitutes	2,734	2,463	2,030	1,954	1,915	1,852	1,695		
Medically Unfit for Work	76	84	89	90	87	76	86		
Abandoned/Distressed Wives & Orphans	53	71	75	70	73	61	57		
Handicapped and Disabled	160	126	95	102	104	101	98		
Widows with Children under 12 years old	53	47	43	39	41	42	22		

Source : Ministry of Community Development

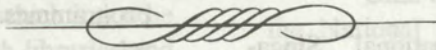
21.5 RESIDENTS IN OLD FOLKS' HOMES BY TYPE OF ORGANISATION AND SEX (End of Period)

									Number
			1985	1990	1991	1992	1993	1994	1995
Total			3,279	3,864	3,838	3,848	4,037	4,196	4,371
Males			1,560	1,736	1,747	1,696	1,801	1,851	1,913
Females			1,719	2,128	2,091	2,152	2,236	2,345	2,458
Government Old Folks' Home ¹			857	794	798	763	766	720	703
Males			670	657	666	636	637	607	603
Females			187	137	132	127	129	113	100
Sheltered Housing/ Community Homes			na	na	na	na	449	442	488
Males			na	na	na	na	189	184	192
Females			na	na	na	na	260	258	296
Voluntary Nursing Homes ²			1,980	2,074	2,070	2,147	1,833	1,905	1,945
Males			746	738	738	778	646	682	697
Females			1,234	1,336	1,332	1,369	1,187	1,223	1,248
Commercial Nursing Homes			442	996	970	938	989	1,129	1,235
Males			144	341	343	282	329	378	421
Females			298	655	627	656	660	751	814

Source : Ministry of Community Development
Ministry of Health

- 1 Figures include only those aged 60 years and above.
- 2 Data prior to 1993 include certain Sheltered Housing/Community Homes.

CULTURE AND RECREATION



Spots

Library

(CSC) is the National Library. Book provides historical library facilities as well as a variety of recreational, educational and recreational programs for the community. The library is equipped with a large collection of books, periodicals, and other materials. The library is open to the public and is a popular place for reading and study. The library is also a center for cultural and recreational activities. The library is a valuable resource for the community and is a place where people can find books, periodicals, and other materials. The library is also a place where people can learn about the history and culture of the community. The library is a place where people can find books, periodicals, and other materials. The library is also a place where people can learn about the history and culture of the community.

to open the addition to the Central Library at the same time. The addition will provide a new reading room, a new study room, and a new meeting room. The addition will also provide a new collection of books, periodicals, and other materials. The addition will be a valuable resource for the community and will provide a place where people can find books, periodicals, and other materials. The addition will also be a place where people can learn about the history and culture of the community.

Television Corporation of Singapore (TCS)

A (AP) TCS owns and operates Channel 5 and Channel 11, which are the only two channels in Singapore. TCS is a public corporation and is owned by the Government of Singapore. TCS is responsible for the production and broadcasting of television programs in Singapore. TCS is also responsible for the management of the television industry in Singapore. TCS is a leading television company in Singapore and is a member of the Asian Broadcasting Union (ABU). TCS is also a member of the International Telecommunication Union (ITU).

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22 CULTURE AND RECREATION

Television Corporation of Singapore (TCS)

TCS owns and manages Channels 5 and 8, which are fully-English and fully-Mandarin 24-hour channels respectively.

Home-viewers can participate in TCS programmes through an interactive and value-added service from the joint venture company, Interactive Media Services.

The teletext service offers specialised information on each channel: news and information with Intv on Channel 5 and instant TV classifieds with Classitext on Channel 8. Teletext is also available on the Internet.

Through TCS International, Singapore's first Mandarin satellite channel "Xin Shi", is now available to viewers in the Asia-Pacific region.

Radio Corporation of Singapore Pte Ltd (RCS)

RCS operates the nation's largest network of local and international radio stations. Its ten local stations collectively reach 2.1 million listeners weekly, each offering music and information to specific segments of the population. The three international stations provide overseas listeners with entertainment, Singapore news, and programmes addressing social and political issues of the region.

NTUC Radio Heart

NTUC Radio Heart, the first private wireless radio station, was officially launched on 2 March 1991. Its mission is to inform, educate and entertain all Singaporeans.

Radio Heart broadcasts 24 hours daily over frequency FM 91.3 and FM 100.3. FM 91.3 presents English programmes and music

from 2 am to 11 pm, and Malay programmes and music from 11 pm to 2 am. FM 100.3 presents in Mandarin from 2 am to 11 pm and Tamil from 11 pm to 2 am.

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, Singapore 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 Board 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, audio-visual service and reference and information services.

22 CULTURE AND RECREATION (cont'd)

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 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 on-line public access catalogue. Data on library membership, loans and collections are generated on a regular basis by the computer system. The NLLine provides an electronic link to information and services from the National Library.

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 goods and services tax 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 arts 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.

22.1

TELEVISION LICENCES, REDIFFUSION SUBSCRIBERS AND CINEMAS (End of Period)

	1985	1990	1991	1992	1993	1994	1995
Television Licences Issued (No)	481,907	582,540	595,730	614,309	639,139	645,529	652,970
Rediffusion Subscribers (No)	73,195	45,376	39,484	37,270	33,423	29,200	27,017
Cinemas (No)	47	56	60	77	103	107	108
Seating Capacity ('000)	54	48	47	51	59	55	49
Attendances ('000)	22,702	20,655	20,736	19,301	19,977	17,857	18,128

Source : Television Corporation of Singapore
Rediffusion (Singapore) Pte Ltd
Department of Statistics (with effect from April 1994)

22.2

RADIO AND TELEVISION TRANSMISSION

	1985	1990	1991	1992	1993	1994	1995
	Hours Per Week						
Radio	649	1,218	1,504	1,514	1,542	1,955	1,878
Radio (RCS)							
AM/FM							
English	127	128	127	127	133	168	168
Malay	135	149	149	149	149	149	149
Chinese	148	127	127	127	133	140	140
Tamil	112	134	134	134	140	147	147
Symphony 92.4 FM	127	127	127	126	126	140	126
Radio (RCS and NTUC ¹)							
FM							
English	-	294	427	423	427	483	483
Malay	-	126	140	148	154	161	161
Chinese	-	133	259	259	259	546	483
Tamil	-	-	14	21	21	21	21
Television	149	172	194	195	212	275	336

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

1 Operated with effect from January 1991.

22.3

NATIONAL LIBRARY MEMBERSHIP, BOOK COLLECTIONS AND LOANS OF BOOKS

2.55

	Thousand						
	1985	1990	1991	1992	1993	1994	1995
Membership ¹	833.9	722.3	796.5	875.1	862.8	935.8	1,035.0
Persons Aged 12 years and Over	595.0	545.8	619.9	696.6	680.8	745.7	827.0
Children Under 12 Years	238.9	176.5	176.6	178.5	182.0	190.0	208.0
Book Collections	2,322.2	2,437.1	2,726.2	2,890.7	2,855.8	2,969.3	3,134.1
English	1,290.5	1,492.4	1,685.1	1,814.0	1,788.8	1,861.2	1,949.7
Chinese	661.1	613.7	668.6	682.5	663.6	675.7	736.7
Malay	282.0	264.2	299.1	316.1	327.1	341.9	352.5
Tamil	88.6	66.8	73.3	78.1	76.3	90.5	95.2
Loan of Books	7,025.9	9,118.1	9,066.3	6,995.9	9,076.3	9,738.3	12,429.2
Persons Aged 12 Years and Over	3,886.2	4,290.6	4,265.4	3,248.9	4,295.3	4,782.3	5,965.2
Children Under 12 Years	3,139.7	4,827.5	4,800.8	3,747.0	4,781.0	4,956.0	6,464.0

Source : Singapore National Library

1 Members were re-registered in 1988 as a result of computerisation.

22.4

DAILY NEWSPAPER CIRCULATION

3.55

	Number						
	1985	1990	1991	1992	1993	1994	1995
Total	713,866	813,484	877,523	916,102	977,846	1,029,043	1,005,307
English	308,221	385,902	422,869	447,600	481,392	513,506	499,996
Chinese	359,303	378,381	401,116	410,424	433,871	450,539	441,758
Malay	39,915	44,361	47,988	53,059	57,676	59,751	58,078
Tamil	6,427	4,840	5,550	5,019	4,907	5,247	5,475

22.5 VISITORS TO PLACES OF INTEREST

	1985	1990	1991	1992	1993	1994	1995
Thousand							
National Museum ¹	406.9	-	266.9	237.7	243.2	273.0	293.0
Singapore Science Centre ²	558.6	711.9	543.1	515.0	533.9	529.3	542.7
Singapore Zoological Gardens	850.0	1,341.3	1,164.5	1,355.3	1,486.7	1,433.6	1,416.1
Sentosa ³	1,641.0	2,590.0	3,320.0	3,609.8	4,040.0	4,102.0	3,900.0
Chinese/Japanese Gardens ³	642.1	453.0	395.5	350.9	286.6	286.0	242.9
Jurong Bird Park ³	741.5	1,009.6	1,026.7	1,532.9	1,549.6	1,512.7	1,513.6

Source: National Museum

Sentosa Development Corporation

Singapore Science Centre

Singapore Leisure Industries Pte Ltd

Singapore Zoological Gardens

Jurong Bird Park

1 Major renovation and repair were carried out during January 1989 - November 1990.

2 Figures prior to 1987 refer to financial year from April to March of the following year.

3 Figures refer to financial years from April to March of the following year.

22.6 UTILISATION OF SPORTS FACILITIES

	1985	1990	1991	1992	1993	1994	1995
Attendances ('000)							
Swimming	6,101,678	6,011,906	5,418,025	5,626,328	5,695,235	5,459,531	5,743,594
Bookings (Number)							
Tennis	156,008	161,476	180,460	188,879	140,642	121,737	108,327
Badminton	66,139	78,188	86,166	118,554	117,203	154,655	150,157
Squash	187,661	60,074	65,194	66,369	49,078	47,679	44,360
Netball	2,166	397	678	1,822	2,675	3,426	3,614
Soccer	10,181	8,156	8,043	9,130	8,350	10,158	10,757
Hockey	716	1,129	1,471	1,357	1,036	1,287	1,553
Rugby	52	81	61	121	114	247	301
Athletics	619	464	571	530	920	571	592
Golf (Persons)	10,513	18,256	16,526	15,623	12,759	9,807	6,006

Source : Singapore Sports Council

Note: Data refer to sports facilities provided by Singapore Sports Council.

SPORTS AND CULTURAL COURSES CONDUCTED BY COMMUNITY CENTRES/CLUBS

Type of Course	1985	1990	1991	1992	1993	1994	1995
Classes							
Sports Courses	1,557	2,090	2,452	2,309	2,317	2,264	2,452
Ball Games	382	314	387	323	313	220	141
Board Games	8	2	4	-	-	-	-
Keep Fit	325	353	347	364	412	408	364
Martial Arts	541	801	835	818	825	891	864
Performing Sports	114	62	117	118	114	134	103
Water Sports	187	558	762	686	646	611	980
Others	-	-	-	-	7	-	-
Cultural Courses	3,158	5,450	5,474	5,679	6,229	6,672	6,700
Dance	1,704	3,028	3,022	2,911	3,055	3,097	2,900
Drama	30	38	29	22	168	416	500
Music	1,421	2,369	2,420	2,738	2,993	2,173	2,100
Vocal ¹	-	-	-	-	-	977	1,200
Others	3	15	3	8	13	9	-
Participants							
Sports Courses	40,158	44,751	45,219	41,143	37,817	35,420	36,580
Ball Games	5,220	3,056	3,601	3,196	2,696	2,101	1,382
Board Games	125	32	41	-	-	-	-
Keep Fit	6,445	6,985	6,974	5,996	6,361	5,804	7,420
Martial Arts	20,341	24,145	24,328	22,020	19,576	17,914	16,698
Performing Sports	3,697	2,194	3,853	3,319	3,122	4,058	3,027
Water Sports	4,330	8,339	6,422	6,612	5,964	5,543	8,053
Others	-	-	-	-	98	-	-
Cultural Courses	50,311	90,124	88,277	90,190	92,912	90,420	95,000
Dance	36,046	60,355	57,207	54,942	51,790	47,148	46,000
Drama	488	628	461	396	2,971	6,763	8,000
Music	13,732	28,814	30,525	34,452	37,643	14,160	16,000
Vocal ¹	-	-	-	-	-	22,225	25,000
Others	45	327	84	400	508	124	-

Source : People's Association

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

1 Prior to financial year 1993, Vocal was grouped under Music.

22.8 THE ARTS

						Number
Art Form	1990	1991	1992	1993	1994	1995
Performing Arts						
Total Performances ¹	1,693	1,698	1,790	1,915	2,091	1,762
Music	492	552	608	670	740	583
Dance	123	96	142	112	138	136
Theatre	931	952	1,006	1,071	989	903
Others	147	98	34	62	224	140
Ticketed Performances	949	1,163	1,517	1,609	1,532	946
Music	333	371	478	512	538	375
Dance	57	82	79	87	102	84
Theatre	495	642	937	968	858	442
Others	64	68	23	42	34	45
Attendances ²	721,539	678,970	947,636	798,345	845,201	545,983
Music	348,689	276,488	377,257	382,827	473,098	304,430
Dance	49,619	56,849	76,853	55,159	59,426	37,424
Theatre	274,041	292,169	457,414	341,445	299,298	169,963
Others	49,190	53,464	36,112	18,914	13,379	34,166
Visual Arts/Heritage Exhibitions						
Number	203	255	295	150	208	245
Days	1,892	2,443	2,762	1,441	2,135	3,190

Source : National Arts Council

1 Include non-ticketed performances.

2 Refer to ticketed performances.

Type of Property	1985	1990	1991	1992	1993	1994	1995
Fire Occurrences	181	174	174	174	174	174	174
or temporary, used for other than residential purposes such as commercial, manufacturing, storages, sales and services, etc.	181	174	174	174	174	174	174
lives and properties in peacetime and emergency. Data on fire occurrences are compiled by SCDF.	181	174	174	174	174	174	174
properties other than building structures such as motor vehicles, ships, vegetation, hoarded materials, outdoor electrical cabling, etc.	181	174	174	174	174	174	174

Definitions

MISCELLANEOUS

to all building structures, etc.	1991	1992	1993	1994	1995	1996	1997
to all building structures, etc.	1991	1992	1993	1994	1995	1996	1997
to all building structures, etc.	1991	1992	1993	1994	1995	1996	1997
to all building structures, etc.	1991	1992	1993	1994	1995	1996	1997
to all building structures, etc.	1991	1992	1993	1994	1995	1996	1997
to all building structures, etc.	1991	1992	1993	1994	1995	1996	1997
to all building structures, etc.	1991	1992	1993	1994	1995	1996	1997
to all building structures, etc.	1991	1992	1993	1994	1995	1996	1997
to all building structures, etc.	1991	1992	1993	1994	1995	1996	1997
to all building structures, etc.	1991	1992	1993	1994	1995	1996	1997

Type of offence	1985	1990	1991	1992	1993	1994	1995
Robbery	1,625	1,577	1,584	1,600	1,572	1,612	1,580
Housebreaking	1,523	1,790	1,520	1,599	1,603	2,499	1,883
Motor Vehicle Theft	1,199	1,583	1,146	1,491	1,143	1,589	1,423
Snatch Theft	1,483	949	878	808	532	1,141	1,111

Per 100,000 Resident Population

Type of offence	1985	1990	1991	1992	1993	1994	1995
Robbery	86	58	51	55	56	58	56
Housebreaking	142	148	127	161	161	148	63
Motor Vehicle Theft	169	136	121	126	119	58	90
Snatch Theft	58	37	25	24	20	15	14

Source: Police Headquarters Department

Fire Occurrences

The mission of the Singapore Civil Defence Force (SCDF) is to protect and save lives and properties in peacetime and emergency. Data on fire occurrences 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.

23.1 FIRE OCCURRENCES

Type of Property	Number						
	1985	1990	1991	1992	1993	1994	1995
Total	5,384	6,444	5,740	5,102	5,724	5,830	5,091
Structural							
Residential	2,332	2,253	2,176	2,115	2,419	3,283	3,262
Non-Residential	642	645	1,149	736	745	627	569
Non-Structural	2,410	3,546	2,415	2,251	2,560	1,920	1,260

Source : Singapore Civil Defence Force

23.2 SELECTED CRIMINAL OFFENCES

Type of Offence	1985	1990	1991	1992	1993	1994	1995
Number of Cases Reported							
Robbery	1,628	1,577	1,404	1,066	1,022	812	789
Housebreaking	3,523	3,790	3,520	3,039	3,003	2,459	1,885
Motor Vehicle Theft	4,199	3,685	3,346	3,491	3,148	2,569	2,683
Snatch Theft	1,445	999	678	669	588	447	411
Per 100,000 Resident Population							
Robbery	66	58	51	38	36	28	26
Housebreaking	142	140	127	108	104	84	63
Motor Vehicle Theft	169	136	121	124	110	88	90
Snatch Theft	58	37	25	24	20	15	14

Source : Police Intelligence Department

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