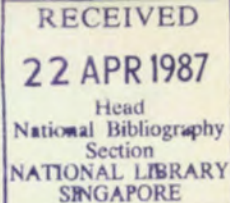




YEARBOOK OF STATISTICS SINGAPORE 1986

DEPARTMENT OF STATISTICS
SINGAPORE

PREFACE



The Yearbook of Statistics, Singapore, 1986 is the twentieth edition. The Yearbook puts together, in a concise and convenient form, available important statistical series on the demographic, economic and social characteristics of Singapore. The contents of this Yearbook have been reviewed and improved to keep abreast of the latest developments in Singapore.

The Department of Statistics also publishes the Singapore Statistical Charts, 1986 which highlights various socio-economic trends in Singapore in colour graphs and charts. This Yearbook together with the Singapore Statistical Charts should provide the necessary general statistical reference on Singapore.

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

KHOO CHIAN KIM
CHIEF STATISTICIAN
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SINGAPORE



CONTENTS

	<i>Page</i>
Key Indicators	1 - 18
Economic Indicators	2 - 13
Social Indicators	14 - 18
 Climate and Land Use	 19 - 24
1.1 Temperature, Rainfall and Sunshine	22
1.2 Land Use	23
1.3 Air Pollution Levels	24
 Demography	 25 - 46
2.1 Population	28
2.2 Male Population Estimates by Age Group	29
2.3 Female Population Estimates by Age Group	30
2.4 Population Estimates by Age Group, Ethnic Group and Sex, End June 1976	31
2.5 Population Estimates by Age Group, Ethnic Group and Sex, End June 1986	32
2.6 Vital Statistics	33
2.7 Age Specific and Total Fertility Rates, Gross and Net Reproduction Rates	34
2.8 Live-births by Birth Order	35
2.9 Male and Female Age Specific Death Rates, 1982-1986	36
2.10 Deaths by Broad Groups of Causes	37
2.11 Population Aged 60 Years and Over	38 - 40
2.12 Marriages Registered by Ethnic Group of Couple	41
2.13 Marriages by Age Group of Grooms and Brides, 1984-1986	42
2.14 Average Age at Marriage of Grooms and Brides	43
2.15 Age Specific Marriage Rates, 1970, 1979-1986	44
2.16 Divorces by Ethnic Group of Couple, 1980-1986	45
2.17 Divorcees by Age Group and Sex, 1984-1986	46

Labour, Employment and Productivity

47 - 73

3.1	Labour Force	52
3.2	Persons Aged 15 and Over by Activity Status, Age Group and Sex, 1986	53
3.3	Age-Sex Specific Labour Force Participation Rates, 1970, 1980 and 1984-1986	54
3.4	Employed Persons by Industry, 1970, 1979-1986	55
3.5	Employed Persons by Occupation, 1970, 1979-1986	56
3.6	Employed Persons Aged 15 and Over by Industry and Occupation, 1986	57
3.7	Government Employees by Divisional Status	58
3.8	Employed Persons by Gross Monthly Income	59
3.9	Average Weekly Earnings by Industry and Occupation, 1978-1986	60 - 62
3.10	Average Weekly Hours Worked by Industry	63
3.11	Registration at Employment Service	64
3.12	Central Provident Fund Contributors by Age Group	65
3.13	Central Provident Fund Contributors by Wage Level	66
3.14	Central Provident Fund Contributors by Industry	67
3.15	Central Provident Fund Members by Age Group	68
3.16	Central Provident Fund Members by Balances	69
3.17	Enrolment for Courses Conducted by the National Productivity Board, 1982-1986	70
3.18	Participants in Seminars and Workshops, 1982-1986	71
3.19	Quality Control Circles, 1982-1986	71
3.20	Trade Unions and Membership	72
3.21	Industrial Stoppages and Trade Disputes	73

National Income and Balance of Payments

							75 - 87
4.1	Indigenous Gross National Product	..	..	..	..	..	78
4.2	Output, Saving and Investment	..	..	..	..	..	79
4.3	Gross Domestic Product by Industry	..	..	..	..	..	80
4.4	Quarterly Gross Domestic Product by Industry		..	..	..	..	81
4.5	Gross Domestic Product Deflators by Industry		..	..	..	..	82
4.6	Expenditure on Gross Domestic Product	..	..	..	..	..	83
4.7	Deflators of Expenditure on Gross Domestic Product			..	..	..	84
4.8	Private Consumption Expenditure		..	..	..	..	85
4.9	Gross Fixed Capital Formation	..	..	..	..	..	86
4.10	Balance of Payments	..	..	..	..	..	87

Agriculture, Livestock and Fisheries

							89 - 94
5.1	Production of Principal Crops	..	..	..	..	..	92
5.2	Livestock Slaughtered	..	..	..	..	..	93
5.3	Fresh Fish Supply and Auctioned		..	..	..	..	94

Industrial Production

							95 - 117
6.1	Principal Industrial Statistics	..	..	..	..	..	98
6.2	Selected Ratios of Principal Manufacturing Statistics			..	..	..	99
6.3	Industrial Establishments by Industry	..	..	..	..	..	100 - 101
6.4	Industrial Output by Industry	..	..	..	..	..	102 - 103
6.5	Census Value Added of Industrial Establishments by Industry				..	..	104 - 105
6.6	Industrial Workers by Industry		..	..	..	..	106 - 107
6.7	Remuneration of Industrial Employees by Industry			..	..	..	108 - 109
6.8	Volume of Output of Selected Manufactured Products			..	..	..	110
6.9	Value of Output of Selected Manufactured Products			..	..	..	111
6.10	Quarterly Index of Industrial Production, 1985 and 1986			..	..	..	112 - 113

Industrial Production (continued)

6.11	Net Investment Commitments in Manufacturing by Industry	114
6.12	Net Investment Commitments in Manufacturing by Country of Origin	115
6.13	Principal Statistics of Pioneer Manufacturing Establishments	116
6.14	Principal Statistics of Pioneer Manufacturing Establishments by Industry Group, December 1985	117

Electricity, Gas and Water Supply**119 - 124**

7.1	Electricity Production and Sales	122
7.2	Gas Production and Sales	123
7.3	Water Production and Sales	124

Building Construction and Housing**125 - 144**

8.1	Planning Approvals	128
8.2	Notices of Commencement of Construction	129
8.3	Construction Projects Completed	130
8.4	Planning Approvals by Type of Development	131
8.5	Public Sector Planning Approvals by Type of Development	132
8.6	Private Sector Planning Approvals by Type of Development	133
8.7	Notices of Commencement of Construction by Type of Development	134
8.8	Public Sector Notices of Commencement of Construction by Type of Development	135
8.9	Private Sector Notices of Commencement of Construction by Type of Development	136
8.10	Construction Projects Completed by Type of Development	137
8.11	Public Sector Construction Projects Completed by Type of Development	138
8.12	Private Sector Construction Projects Completed by Type of Development	139
8.13	Private Sector Building Plan Approvals by Type of Development	140
8.14	Number of Residential Units in the Public Sector by Type of Building	141
8.15	Number of Residential Units in the Private Sector by Type of Building	142

Building Construction and Housing (continued)

8.16	Units Under Management of Housing and Development Board	..	..	143
8.17	Dwelling Units Constructed and Sold by Housing and Development Board	..	..	144

Commerce and Services**145 - 151**

9.1	Principal Statistics of Commerce Sector by Industry	..	..	..	..	148
9.2	Selected Averages and Ratios in Commerce Sector	..	..	..	..	149
9.3	Principal Statistics of Services Sector by Industry	..	..	..	..	150
9.4	Selected Averages and Ratios in Services Sector	..	..	..	..	151

External Trade**153 - 173**

10.1	External Trade, 1978-1986	..	..	..	..	156
10.2	Total Trade by Region and Selected Country	..	..	..	..	157 - 158
10.3	Imports by Region and Selected Country	..	..	..	..	159 - 160
10.4	Exports by Region and Selected Country	..	..	..	..	161 - 162
10.5	Domestic Exports by Region and Selected Country	..	..	..	..	163 - 164
10.6	Imports by Commodity	..	..	..	..	165
10.7	Exports by Commodity	..	..	..	..	166
10.8	Domestic Exports by Commodity	..	..	..	..	167
10.9	Imports of Specific Commodity	..	..	..	..	168 - 170
10.10	Exports of Specific Commodity	..	..	..	..	171 - 173

Transport and Communications**175 - 198**

11.1	Vessels Registered in Singapore, 1982-1986	..	..	..	..	178
11.2	Age Distribution of Vessels Registered in Singapore, December 1986	..	..	..	..	178
11.3	Vessels Licensed in Singapore	..	..	..	..	179
11.4	Vessels Entered and Cleared	..	..	..	..	180
11.5	Sea Cargo Discharged and Loaded	..	..	..	..	181
11.6	Sea Cargo Discharged and Loaded by Region and Selected Country of Origin and Destination, 1982-1986	..	..	..	..	182

Transport and Communications (continued)

11.7	Civil Aircraft Landings, Passengers and Mail	183
11.8	Air Cargo Discharged and Loaded by Region and Selected Country of Origin and Destination, 1982-1986	184
11.9	Air Passengers by Region and Selected Country of Embarkation and Disembarkation, 1982-1986	185
11.10	Visitor Arrivals by Citizenship	186
11.11	Visitor Arrivals by Region and Selected Country of Residence	187
11.12	Visitor Arrivals by Region and Selected Country of Embarkation	188
11.13	Visitor Arrivals by Purpose of Visit	189
11.14	Average Length of Stay of Visitors by Purpose of Visit and Type of Accommodation, 1978-1986	190
11.15	Visitor Arrivals, Hotels and Cess Collection	191
11.16	Returning Singapore Residents by Region and Selected Country of Embarkation	192
11.17	Returning Singapore Residents by Purpose of Travel Overseas and Length of Stay Overseas, 1978-1986	193
11.18	Public Roads	194
11.19	Motor Vehicles Registered	195
11.20	Road Casualties	196
11.21	Postal Articles Handled	197
11.22	Telecommunications	198

Finance and Insurance**199 - 226**

12.1	Currency in Circulation	202
12.2	Money Supply	203
12.3	Factors Affecting Money Supply	204
12.4	Official Foreign Reserves	205
12.5	Exchange Rates	206
12.6	Assets of Banks	207
12.7	Liabilities of Banks	208

Finance and Insurance (continued)

12.8	Banks' Loans and Advances to Non-bank Customers by Industry	..	..	209
12.9	Assets and Liabilities of Asian Currency Units	..	..	210
12.10	Assets and Liabilities of Finance Companies	..	..	211
12.11	Finance Companies' Loans and Advances by Industry	..	..	212
12.12	Assets and Liabilities of Merchant Banks, 1978-1986	..	..	213
12.13	Assets and Liabilities of Discount Houses	..	..	214
12.14	Domestic Interest Rates	..	..	215
12.15	Deposits and Withdrawals of Post Office Savings Bank	..	..	216
12.16	Contributions and Withdrawals of Central Provident Fund	..	..	216
12.17	Withdrawals of Central Provident Fund by Type	..	..	217
12.18	Turnover of Stocks and Shares	..	..	218
12.19	Stock Exchange of Singapore Indices	..	..	219
12.20	Pledges at Pawnshops	..	..	220
12.21	Life Insurance Policies, 1976-1985	..	..	221
12.22	Revenue and Expenditure Accounts of Life Insurance Funds, 1976-1985	..	..	222
12.23	Assets of Life Insurance Funds, 1976-1985	..	..	223
12.24	Premiums and Claims of General Insurance Funds, 1976-1985	..	..	224
12.25	Revenue and Expenditure Accounts of General Insurance Funds, 1976-1985	..	..	225
12.26	Assets of General Insurance Funds, 1976-1985	..	..	226

Public Finance**227 - 240**

13.1	Economic Classification of Government Revenue	..	..	229
13.2	Economic Classification of Government Current Expenditure	..	..	230
13.3	Functional Classification of Government Current Expenditure	..	..	231
13.4	Economic-Functional Classification of Government Main and Development Expenditure, 1986	..	..	232
13.5	Economic-Functional Classification of Government Main Expenditure, 1986	..	..	233

Public Finance (continued)

13.6	Sources and Uses of Development Fund	234
13.7	Government Debt	235
13.8	Revenue Collected by Customs and Excise Department	236
13.9	Revenue Collected by Inland Revenue Department	237
13.10	Taxpayers, Assessed Income and Tax Assessed, 1984 and 1985	238
13.11	Assessed Income and Tax Assessed on Individuals by Assessed Income Group, 1984 and 1985	239
13.12	Income Tax Assessed on Companies by Assessed Income Group, 1984 and 1985	240

Prices 241 - 254

14.1	Consumer Price Index, 1978-1986	244
14.2	Average Retail Prices of Selected Foodstuffs	245 - 247
14.3	Domestic Supply Price Index, 1978-1986	248
14.4	Singapore Manufactured Products Price Index, 1978-1986	249
14.5	Import Price Index, 1978-1986	250
14.6	Export Price Index, 1978-1986	251
14.7	Building Materials Price Index, 1978-1986	252
14.8	Local Farm Products Price Index, 1978-1986	253
14.9	Average Produce Prices	254

Education 255 - 275

15.1	Enrolment in Educational Institutions	260
15.2	Students and Teachers in Educational Institutions, End June 1986	261
15.3	Primary Schools, Students and Teachers by Type of School	262
15.4	Primary School Students and Teachers by Language Medium of School	263
15.5	Enrolment in Primary Schools by Age and Level, End June 1986	264

Education (continued)

15.6	Secondary Schools, Students and Teachers by Type of School	..	..	265
15.7	Secondary School Students and Teachers by Language Medium of School	..	..	266
15.8	Enrolment in Secondary Schools by Age and Level, End June 1986	..	..	267
15.9	Enrolment in Institutions of Higher Learning	..	..	268
15.10	Male Students Admitted to Institutions of Higher Learning	..	..	269
15.11	Female Students Admitted to Institutions of Higher Learning	..	..	270
15.12	Male Graduates from Institutions of Higher Learning	..	..	271
15.13	Female Graduates from Institutions of Higher Learning	..	..	272
15.14	Intake of Trainees of Vocational and Industrial Training Institutes, 1982-1986			273
15.15	Trainees Completed Courses at Vocational and Industrial Training Institutes, 1982-1986	..	..	274
15.16	Government Expenditure on Education	..	..	275

Health**277 - 294**

16.1	Hospitals, Government Clinics and Dispensaries	..	..	280
16.2	Registered Medical Personnel	..	..	281
16.3	Government Hospital Beds	..	..	282
16.4	Private Hospital Beds	..	..	283
16.5	Admissions in Government Hospitals	..	..	284
16.6	Visits to Outpatient Dispensaries	..	..	285
16.7	Visits to Government Dental Clinics	..	..	286
16.8	Maternity Services	..	..	287
16.9	Notifications of Specific Notifiable Diseases	..	..	288
16.10	Vaccination and Immunisation of Pre-school Children	..	..	289
16.11	Vaccination and Immunisation of School Children	..	..	290

Health (continued)

16.12	Student Medical Check-up	. . .	. .	. .	. .	. .	. .	291
16.13	Common Defects Among Students		. .	. .	. .	. .	. .	292
16.14	Family Planning	. .	. .	. .	. .	. .	. .	293
16.15	Blood Donations and Transfusions		. .	. .	. .	. .	. .	294

Culture and Recreation**295 - 304**

17.1	Radio and Television Licences and Rediffusion Subscribers		. .	. .	. .			298
17.2	Radio and Television Transmission		. .	. .	. .	. .	. .	299
17.3	Cinemas	. .	. .	. .	. .	. .	. .	300
17.4	National Library Membership	. .	. .	. .	. .	. .	. .	301
17.5	Book Collections at the National Library		. .	. .	. .	. .	. .	302
17.6	Loans of Books at the National Library	. .	. .	. .	. .	. .	. .	303
17.7	Daily Newspapers Circulation	. .	. .	. .	. .	. .	. .	304

NOTATIONS

* preliminary
 . . not available

nec not elsewhere classified
 nes not elsewhere specified
 nie not included elsewhere

KEY INDICATORS

ECONOMIC INDICATORS

Year	National Income									Manufacturing ¹		
	Gross National Product	Per Capita Indigenous Gross National Product	Gross National Saving	Gross Capital Formation	Gross Domestic Product	Gross Fixed Capital Formation	Consumption Expenditure			Net Investment Commitments ¹	Output ²	Index of Industrial Production (1983=100)
							Total	Public	Private			
	At Current Market Prices					At 1968 Market Prices						
	\$ Million	\$	\$ Million									
1976	14,569.6	5,496	4,579.9	5,981.7	9,447.4	2,995.3	6,911.2	1,015.3	5,895.9	303.3	16,175.0	59.9
1977	15,851.7	6,011	5,079.3	5,799.1	10,193.2	3,051.3	7,329.1	1,108.9	6,220.2	396.4	18,293.5	65.5
1978	17,787.4	6,303	5,928.4	6,957.4	11,074.0	3,481.2	7,872.6	1,236.5	6,636.1	812.4	20,492.3	73.1
1979	20,444.1	6,892	7,299.8	8,899.9	12,114.1	3,929.4	8,320.2	1,218.7	7,101.5	943.6	26,331.0	84.2
1980	24,188.5	8,343	8,400.3	11,627.6	13,366.5	4,732.0 *	8,915.0	1,337.9	7,577.1	1,417.9	32,805.8	94.5
1981	28,191.2	9,869	10,916.5	13,828.2	14,695.2	5,476.9	9,413.6	1,408.4	8,005.2	1,877.4	37,694.0	103.7
1982	31,775.7	11,116	13,078.9	15,658.8	15,627.5	6,556.5	9,952.5	1,562.0	8,390.5	1,705.0	37,141.1	98.0
1983	36,561.1	12,608	16,243.7	17,468.6	16,869.8	7,075.2	10,578.4	1,720.6	8,857.8	1,775.8	37,888.3	100.0
1984	40,815.1	13,732	18,826.4	19,607.0	18,261.5	7,614.5	11,170.3	1,789.9	9,380.4	1,830.4	41,704.1	109.0
1985	39,921.0	13,198	16,793.8	16,826.2	17,924.9	6,608.4	11,477.8	2,144.4	9,333.4	1,136.2	38,828.2	101.0
1986*	39,185.2	13,088	16,134.4	15,091.5	18,256.8	5,824.2	11,804.9	2,041.7	9,763.2	1,439.1	36,611.3	109.5

1 Exclude petrochemicals.

2 Refer to establishments engaging 10 or more workers.

GROWTH RATES IN ECONOMIC INDICATORS

Per Cent

Year	National Income									Manufacturing		
	Gross National Product	Per Capita Indigenous Gross National Product	Gross National Saving	Gross Capital Formation	Gross Domestic Product	Gross Fixed Capital Formation	Consumption Expenditure			Net Investment Commitments	Output	Index of Industrial Production (1983=100)
							Total	Public	Private			
	At Current Market Prices					At 1968 Market Prices						
1976	7.4	7.3	14.9	11.4	7.5	4.8	5.3	5.0	5.3	-1.0	22.6	12.0
1977	8.8	9.4	10.9	-3.1	7.9	1.9	6.0	9.2	5.5	30.7	13.1	9.3
1978	12.2	4.9	16.7	20.0	8.6	14.1	7.4	11.5	6.7	104.9	12.0	11.6
1979	14.9	9.3	23.1	27.9	9.4	12.9	5.7	-1.4	7.0	16.1	28.5	15.1
1980	18.3	21.1	15.1	30.6	10.3	20.4	7.1	9.8	6.7	50.3	24.6	12.3
1981	16.5	18.3	30.0	18.9	9.9	15.7	5.6	5.3	5.6	32.4	14.9	9.8
1982	12.7	12.6	19.8	13.2	6.3	19.7	5.7	10.9	4.8	-9.2	-1.5	-5.5
1983	15.1	13.4	24.2	11.6	7.9	7.9	6.3	10.2	5.6	4.2	2.0	2.1
1984	11.6	8.9	15.9	12.2	8.2	7.6	5.6	4.0	5.9	3.1	10.1	9.0
1985	-2.2	-3.9	-10.8	-14.2	-1.8	-13.2	2.8	19.8	-0.5	-37.9	-6.9	-7.3
1986*	-1.8	-0.8	-3.9	-10.3	1.9	-11.9	2.8	-4.8	4.6	26.7	-5.7	8.4

ECONOMIC INDICATORS (continued)

Year	Building & Construction				External Trade							
	Gross Floor Area				Total	Exports						Imports
	Planning Approval	Building Plan Approval ³	Notice of Commence-ment	Building Completion		Total	Oil	Non-oil	Domestic Exports			
									Total	Oil	Non-oil	
	Thousand Square Metres				Million Dollars							
1976	6,055.6	1,539.2	5,649.3	5,589.4	38,670.4	16,265.9	4,829.9	11,436.0	9,362.4	4,678.3	4,684.1	22,404.5
1977	5,694.3	1,663.8	5,492.5	5,879.5	45,612.2	20,090.3	6,048.8	14,041.5	11,651.8	5,871.9	5,779.9	25,521.9
1978	6,398.6	1,900.6	5,218.5	5,938.5	52,586.8	22,985.5	6,502.2	16,483.3	13,226.2	6,397.9	6,828.3	29,601.3
1979	7,297.4	1,862.3	6,520.8	5,187.3	69,274.5	30,940.1	9,187.8	21,752.3	18,200.4	8,988.1	9,212.3	38,334.4
1980	9,343.7	2,777.5	7,371.0	5,014.0	92,797.1	41,452.3	14,533.7	26,918.6	25,805.2	14,180.2	11,625.0	51,344.8
1981	9,952.8	3,486.8	8,849.9	4,842.3	102,538.8	44,290.8	17,124.0	27,166.8	29,452.0	16,778.0	12,674.0	58,248.0
1982	12,053.2	3,406.4	12,445.7	6,123.3	104,717.4	44,472.8	17,931.3	26,541.5	29,157.8	17,161.2	11,996.6	60,244.6
1983	11,669.0	5,538.6	12,454.5	6,725.1	105,659.1	46,154.9	16,010.3	30,144.6	29,206.4	15,233.6	13,972.8	59,504.2
1984	8,932.8	2,822.2	8,112.0	14,989.5	112,473.6	51,340.0	16,179.3	35,160.7	33,051.2	15,743.8	17,307.4	61,133.6
1985	7,769.0	1,958.7	6,141.2	11,423.9	107,996.3	50,178.8	16,452.2	33,726.6	32,575.5	15,840.1	16,735.4	57,817.5
1986	8,616.0	889.2	5,428.1	9,040.9	104,530.9	48,985.5	12,361.2	36,624.3	32,062.4	11,980.3	20,082.1	55,545.4

³ Refers to private sector only.

GROWTH RATES IN ECONOMIC INDICATORS (continued)

Per Cent

Year	Building & Construction				External Trade							
	Gross Floor Area				Total	Exports						Imports
	Planning Approval	Building Plan Approval	Notice of Commence-ment	Building Completion		Total	Oil	Non-oil	Domestic Exports			
									Total	Oil	Non-oil	
1976	-25.5	-31.1	-12.0	26.0	20.7	27.5	12.5	35.1	24.2	14.9	35.1	16.3
1977	-6.0	8.1	-2.8	5.2	18.0	23.5	25.2	22.8	24.5	25.5	23.4	13.9
1978	12.4	14.2	-5.0	1.0	15.3	14.4	7.5	17.4	13.5	9.0	18.1	16.0
1979	14.0	-2.0	25.0	-12.6	31.7	34.6	41.3	32.0	37.6	40.5	34.9	29.5
1980	28.0	49.1	13.1	-3.3	34.0	34.0	58.2	23.8	41.8	57.8	26.2	33.9
1981	6.5	25.5	20.1	-3.4	10.5	6.8	17.8	0.9	14.1	18.3	9.0	13.4
1982	21.1	-2.3	40.6	26.5	2.1	0.4	4.7	-2.3	-1.0	2.3	-5.3	3.4
1983	-3.2	62.6	0.1	9.8	0.9	3.8	-10.7	13.6	0.2	-11.2	16.5	-1.2
1984	-23.4	-49.0	-34.9	122.9	6.4	11.2	1.1	16.6	13.2	3.3	23.9	2.7
1985	-13.0	-30.6	-24.3	-23.8	-4.0	-2.3	1.7	-4.1	-1.4	0.6	-3.3	-5.4
1986	10.9	-54.6	-11.6	-20.9	-3.2	-2.4	-24.9	8.6	-1.6	-24.4	20.0	-3.9

ECONOMIC INDICATORS (continued)

Year	Transport & Telecommunication								Utilities		
	Sea Cargo Handled			Air Cargo Handled			Outgoing Telex Calls	International Telephone Calls ⁴	Electricity Production	Gas Production	Water Consump- tion
	Total	Loaded	Discharged	Total	Loaded	Discharged	Thousand		Million Kilowatt Hours	Million Cubic Metres	
Thousand Freight Tonnes			Tonnes								
1976	57,976.5	20,273.4	37,703.1	76,612	45,181	31,431	2,330	1,077	4,604.9	457.1	197.6
1977	64,118.6	24,284.8	39,833.8	88,503	53,142	35,361	3,056	1,301	5,114.7	487.5	210.0
1978	73,339.2	28,506.7	44,832.5	123,093	64,359	58,734	3,977	1,760	5,898.0	539.0	223.9
1979	79,812.8	31,388.4	48,424.4	158,087	79,786	78,301	5,385	2,490	6,483.1	597.1	237.9
1980	80,962.5	32,412.5	48,550.0	181,775	91,062	90,713	7,354	3,535	6,967.6	614.1	256.4
1981	87,343.8	33,745.1	53,598.7	197,103	96,172	100,931	9,563	5,058	7,461.6	625.6	276.4
1982	95,660.9	35,665.0	59,995.9	222,304	101,589	120,715	12,043	7,091	7,883.4	624.8	288.5
1983	100,126.5	36,277.6	63,848.9	260,925	116,203	144,722	13,893	9,673	8,665.1	605.4	307.3
1984	104,193.4	40,344.4	63,849.0	297,937	134,211	163,726	15,668	12,643	9,451.8	609.4	317.9
1985	99,545.2	40,308.7	59,236.5	300,019	132,631	167,388	16,243	15,725	9,917.0	569.9	322.7
1986	112,828.7	45,707.5	67,121.2	352,806	160,184	192,624	16,485	21,611	10,576.5	577.3	324.7

⁴ Exclude calls to Peninsular Malaysia.

GROWTH RATES IN ECONOMIC INDICATORS (continued)

Per Cent

Year	Transport & Telecommunication								Utilities		
	Sea Cargo Handled			Air Cargo Handled			Outgoing Telex Calls	International Telephone Calls	Electricity Production	Gas Production	Water Consump- tion
	Total	Loaded	Discharged	Total	Loaded	Discharged					
1976	11.3	6.3	14.1	15.9	13.5	19.6	40.2	27.8	10.3	5.7	3.9
1977	10.6	19.8	5.7	15.5	17.6	12.5	31.2	20.8	11.1	6.7	6.3
1978	14.4	17.4	12.5	39.1	21.1	66.1	30.1	35.3	15.3	10.6	6.6
1979	8.8	10.1	8.0	28.4	24.0	33.3	35.4	41.5	9.9	10.8	6.3
1980	1.4	3.3	0.3	15.0	14.1	15.9	36.6	42.0	7.5	2.8	7.8
1981	7.9	4.1	10.4	8.4	5.6	11.3	33.0	43.1	7.1	1.9	7.8
1982	9.5	5.7	11.9	12.8	5.6	19.6	25.9	40.2	5.7	-0.1	4.4
1983	4.7	1.7	6.4	17.4	14.4	19.9	15.4	36.4	9.9	-3.1	6.5
1984	4.1	11.2	-	14.2	15.5	13.1	12.8	30.7	9.1	0.7	3.4
1985	-4.5	-0.1	-7.2	0.7	-1.2	2.2	3.7	24.4	4.9	-6.5	1.5
1986	13.3	13.4	13.3	17.6	20.8	15.1	1.5	37.4	6.7	1.3	0.6

ECONOMIC INDICATORS (continued)

Year	Money Supply (M1)	Official Foreign Reserves		Commercial Banks					Asian Currency Units	Merchant Banks	Discount Houses
		Total	Ratio to Merchandise Imports	Total Assets/Liabilities	Deposits of Non-bank Customers	Advances to Non-bank Customers ⁵	Prime Lending Rate	12 Months' Deposit Rate	Total Assets/Liabilities		
		\$ Million	Months	\$ Million			Per Cent	Per Annum	US\$ Million	\$ Million	
1976	4,000.0	8,261.5	4.42	16,526.8	8,488.5	8,894.2	6.78	5.31	17,354.1	2,656.7	552.7
1977	4,412.1	9,022.9	4.24	18,238.0	8,969.5	10,183.0	7.02	5.53	21,018.3	2,463.9	618.5
1978	4,925.9	11,473.8	4.65	21,218.3	10,045.7	12,226.4	7.65	6.01	27,040.1	3,746.7	684.7
1979	5,706.1	12,562.4	3.93	26,747.8	12,178.4	16,007.0	9.48	7.65	38,162.7	8,378.4	763.6
1980	6,134.6	13,757.7	3.22	33,316.1	16,035.0	20,206.9	13.60	10.55	54,392.6	13,299.6	949.5
1981	7,242.1	15,491.1	3.19	44,630.7	20,007.9	25,229.1	11.83	8.95	85,775.2	19,279.7	1,603.8
1982	8,156.8	17,917.9	3.57	48,537.2	23,408.7	29,442.9	9.33	7.08	103,295.7	22,020.4	2,050.5
1983	8,607.7	19,755.3	3.98	56,537.8	26,265.5	34,045.8	8.98	6.75	111,860.9	23,625.0	2,248.2
1984	8,866.3	22,748.0	4.47	65,707.2	28,026.3	36,867.5	9.40	6.80	128,054.7	25,844.9	2,562.7
1985	8,785.0	27,080.1	5.62	70,618.0	28,744.5	37,403.1	7.20	4.88	155,374.2	28,207.0	2,468.8
1986	9,821.3	28,157.5	6.08	76,833.3	30,612.6	35,792.8	6.10	3.30	200,601.8	31,581.4	2,466.3

5 Include bills financing.

GROWTH RATES IN ECONOMIC INDICATORS (continued)

Per Cent

Year	Money Supply (M1)	Official Foreign Reserves	Commercial Banks					Asian Currency Units	Merchant Banks	Discount Houses
			Total Assets/ Liabilities	Deposits of Non-bank Customers	Advances to Non-bank Customers	Prime Lending Rate	12 Months' Deposit Rate			
1976	15.2	10.3	14.6	11.6	13.6	-4.2	-8.3	37.8	44.4	12.0
1977	10.3	9.2	10.4	5.7	14.5	3.5	4.1	21.1	-7.3	11.9
1978	11.6	27.2	16.3	12.0	20.1	9.0	8.7	28.7	52.1	10.7
1979	15.8	9.5	26.1	21.2	30.9	23.9	27.3	41.1	123.6	11.5
1980	7.5	9.5	24.6	31.7	26.2	43.5	37.9	42.5	58.7	24.3
1981	18.1	12.6	34.0	24.8	24.9	-13.0	-15.2	57.7	45.0	68.9
1982	12.6	15.7	8.8	17.0	16.7	-21.1	-20.9	20.4	14.2	27.9
1983	5.5	10.3	16.5	12.2	15.6	-3.8	-4.7	8.3	7.3	9.6
1984	3.0	15.1	16.2	6.7	8.3	4.7	0.7	14.5	9.4	14.0
1985	-0.9	19.0	7.5	2.6	1.5	-23.4	-28.2	21.3	9.1	-3.7
1986	11.8	4.0	8.8	6.5	-4.3	-15.3	-32.4	29.1	12.0	-0.1

ECONOMIC INDICATORS (continued)

Year	Finance Companies			POSB	CPF	Stock Exchange		Insurance Companies			
	Deposits from Individuals & Institutions	Loans for		Amount Due To		Turnover of Stocks & Shares		Life Insurance		General Insurance	
		Hire Purchase of Motor Vehicles	Housing	Account Holders	Members	Value	Volume	Policies in Force		Net Premiums ⁶	Net Claims ⁷
								Number	Amount Insured		
Million Dollars						Million Units	Number	Million Dollars			
1976	1,191.2	111.2	440.0	996.0	4,066.1	1,940.8	715.2	155,425	2,717.2	196.2	67.2
1977	1,305.5	169.3	431.4	1,589.0	4,954.0	1,161.6	643.8	183,099	3,323.4	209.8	87.5
1978	1,510.0	235.0	446.4	2,029.0	5,981.4	3,387.2	1,492.1	214,316	4,081.9	236.9	94.2
1979	1,812.3	364.0	551.6	2,525.2	7,515.5	2,311.5	964.6	246,657	5,162.2	274.5	113.9
1980	2,121.2	537.4	637.2	2,756.7	9,551.2	7,824.7	2,222.2	248,077	6,334.8	340.7	141.6
1981	2,942.2	628.6	763.6	3,265.9	12,149.8	13,472.0	2,777.8	271,214	7,778.4	397.7	146.7
1982	3,711.5	590.1	879.7	5,058.4	15,655.5	5,176.1	1,666.1	314,375	10,721.0	431.0	165.6
1983	4,564.1	608.7	1,165.8	6,240.9	19,504.7	11,807.1	3,605.2	359,902	13,810.3	441.0	186.7
1984	5,278.3	565.8	1,348.9	7,287.3	22,670.4	8,211.2	3,042.6	379,880	16,421.6	440.9	195.4
1985	5,014.0	414.3	1,386.5	9,129.4	26,829.5	6,319.3	3,024.7	405,452	19,466.9	433.6	220.6
1986	4,889.1	288.9	1,445.1	10,558.6*	29,337.4*	8,000.5	3,951.4				

⁶ Refer to gross premiums less premiums paid for re-insurance in and out of Singapore.

⁷ Refer to gross claims paid less recoveries from re-insurance placed in and out of Singapore.

GROWTH RATES IN ECONOMIC INDICATORS (continued)

Per Cent

Year	Finance Companies			POSB	CPF	Stock Exchange		Insurance Companies			
	Deposits from Individuals & Institutions	Loans For		Amount Due To		Turnover of Stocks & Shares		Life Insurance		General Insurance	
		Hire Purchase of Motor Vehicles	Housing	Account Holders	Members	Value	Volume	Policies in Force		Net Premiums	Net Claims
								Number	Amount Insured		
1976	13.6	-8.3	24.1	81.6	25.7	5.5	-11.7	11.0	21.5	14.6	10.7
1977	9.6	52.2	-2.0	59.5	21.8	-40.1	-10.0	17.8	22.3	6.9	30.2
1978	15.7	38.8	3.5	27.7	20.7	191.6	131.8	17.0	22.8	12.9	7.7
1979	20.0	54.9	23.6	24.5	25.6	-31.8	-35.4	15.1	26.5	15.9	20.9
1980	17.1	47.6	15.5	9.2	27.1	238.5	130.4	0.6	22.7	24.1	24.3
1981	38.7	17.0	19.8	18.5	27.2	72.2	25.0	9.3	22.8	16.7	3.6
1982	26.1	-6.1	15.2	54.9	28.9	-61.6	-40.0	15.9	37.8	8.4	12.9
1983	23.0	3.2	32.5	23.4	24.6	128.1	116.4	14.5	28.8	2.3	12.7
1984	15.6	-7.0	15.7	16.8	16.2	-30.5	-15.6	5.6	18.9	-	4.7
1985	-5.0	-26.8	2.8	25.3	18.3	-23.0	-0.6	6.7	18.5	-1.7	12.9
1986	-2.5	-30.3	4.2	15.7*	9.3*	26.6	30.6				

ECONOMIC INDICATORS (continued)

Year	Government Finance						Measures of Inflation			Tourism	
	Revenue ^a	Current Expenditure ^a	Public Debt			Debt Servicing Ratio	Consumer Price Index (Jun 82–May 83=100)	Domestic Supply Price Index (1985=100)	Gross Domestic Product Deflator (1968=100)	Visitor Arrivals ^a	Hotel Occupancy Rate
			Total	Domestic	External						
			Million Dollars							Per Cent	Thousand
1976	3,131.4	2,064.9	7,315.1	6,656.8	658.3	0.8	72.5	73.9	155.1	1,320.6	78.4
1977	3,411.1	2,382.2	9,130.2	8,143.1	987.1	0.8	74.8	77.2	157.3	1,506.7	83.3
1978	3,675.9	2,816.7	10,692.6	9,674.4	1,018.2	2.3	78.4	78.5	161.0	2,047.2	86.5
1979	4,339.1	3,054.1	12,396.5	11,419.8	976.7	1.3	81.5	89.8	169.4	2,247.1	85.4
1980	5,491.4	3,651.0	14,669.5	13,732.5	937.0	1.0	88.4	107.4	187.7	2,562.1	86.1
1981	7,146.2	3,936.3	17,138.2	16,241.8	896.4	0.8	95.7	111.5	199.7	2,828.9	85.7
1982	9,008.5	4,738.9	20,730.4	19,855.7	874.7	0.8	99.4	106.8	209.1	2,956.7	80.8
1983	10,510.6	5,726.4	25,031.5	24,359.9	671.6	1.3	100.6	102.9	217.7	2,853.6	75.5
1984	10,267.6	6,034.4	28,077.3	27,435.9	641.4	1.0	103.2	102.3	219.3	2,991.4	75.5
1985	9,397.0	6,678.3	32,164.4	31,568.1	596.3	2.4	103.7	100.0	214.9	3,031.0	65.9
1986	8,333.1	6,281.9	33,793.1	33,341.7	451.4	2.1*	102.3	84.9	206.9*	3,191.1	64.7

⁸ Revenue and current expenditure refer to the receipts and expenditure of the Consolidated Revenue Account.

⁹ Figures excluded Malaysian arrivals by land. For 1976-1977, they further excluded other arrivals by land as well as Malaysian arrivals coming direct to Singapore by air and sea.

GROWTH RATES IN ECONOMIC INDICATORS (continued)

Per Cent

Year	Government Finance					Measures of Inflation			Tourism	
	Revenue	Current Expenditure	Public Debt			Consumer Price Index	Domestic Supply Price Index	Gross Domestic Product Deflator	Visitor Arrivals ¹⁰	Hotel Occupancy Rate
			Total	Domestic	External					
1976	2.5	10.9	28.4	29.1	21.3	-1.9	6.7	1.4	12.9	5.0
1977	8.9	15.4	24.8	22.3	49.9	3.2	4.5	1.4	14.1	6.3
1978	7.8	18.2	17.1	18.8	3.2	4.8	1.6	2.4	10.3	3.8
1979	18.0	8.4	15.9	18.0	-4.1	4.0	14.4	5.2	9.8	-1.3
1980	26.6	19.5	18.3	20.3	-4.1	8.5	19.6	10.8	14.0	0.8
1981	30.1	7.8	16.8	18.3	-4.3	8.2	3.9	6.4	10.4	-0.5
1982	26.1	20.4	21.0	22.3	-2.4	3.9	-4.2	4.7	4.5	-5.7
1983	16.7	20.8	20.7	22.7	-23.2	1.2	-3.7	4.1	-3.5	-6.6
1984	-2.3	5.4	12.2	12.6	-4.5	2.6	-0.6	0.7	4.8	-
1985	-8.5	10.6	14.6	15.1	-7.0	0.5	-2.3	-2.0	1.3	-12.7
1986	-11.3	-5.9	5.1	5.6	-24.3	-1.4	-15.1	-3.7*	5.3	-1.8

¹⁰ To maintain comparability, the growth rate for 1978 was computed by excluding Malaysian visitors embarking direct from Peninsular Malaysia.

SOCIAL INDICATORS

Year	Population						Vital Statistics					
	Mid-year Estimates	Rate of Growth	Population Density	Median Age	Dependency Ratio ¹	Index of Ageing ²	Crude Birth Rate	Crude Death Rate	Proportional Mortality Ratio ³	Infant Mortality Rate	Total Fertility Rate	Gross Reproduction Rate
	Thousand	Per Cent	Persons Per Square Kilometre	Years	Per Cent		Per 1,000 Population		Per Cent	Per 1,000 Live-births	Per 1,000 Female Population	
1976	2,293.3	1.4	3,809	22.4	56.0	13.3	18.7	5.1	76.6	11.6	2,111	1,018
1977	2,325.3	1.3	3,773	22.9	53.5	14.3	16.5	5.1	77.5	12.4	1,820	877
1978	2,353.6	1.2	3,819	23.4	51.0	15.4	16.8	5.1	76.3	12.6	1,795	869
1979	2,383.5	1.3	3,858	24.0	48.6	16.4	17.1	5.2	77.4	13.2	1,791	853
1980	2,413.9	1.2	3,907	24.5	46.6	17.4	17.1	5.2	77.7	11.7	1,737	840
1981	2,443.3	1.2	3,954	25.0	45.0	18.3	17.3	5.3	78.2	10.7	1,723	830
1982	2,471.8	1.2	3,999	25.6	43.9	19.1	17.3	5.2	78.0	10.7	1,706	816
1983	2,502.0	1.1	4,048	26.2	43.1	19.9	16.2	5.3	79.2	9.4	1,589	765
1984	2,529.1	1.1	4,078	26.7	42.4	20.6	16.4	5.2	79.1	8.8	1,609	770
1985	2,558.0	1.1	4,122	27.3	42.1	21.4	16.6	5.2	79.9	9.3	1,619	780
1986	2,586.2	1.0	4,160	27.8	41.4	22.3	15.2*	5.0*	80.0*	9.1*	1,484*	713*

1 Persons under 15 years and persons 65 years and over divided by persons aged 15-64 years.

2 Persons aged 65 years and over divided by persons under 15 years.

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

SOCIAL INDICATORS (continued)

Year	Education										
	Pupils Per Teacher		Graduates of Institutions of Higher Learning	Student Enrolment Ratio ⁴	Literacy Rate ⁵	Passes at			Government Recurrent Expenditure Per Student ⁶		
	Primary	Secondary				PSLE	GCE 'O' Level	GCE 'A' Level	Primary	Secondary	Tertiary
Number			Per Cent						Dollars		
1976	30	26	3,762	78.3	79.4	59.5	59.9	64.3	422	535	3,418
1977	30	26	4,925	78.5	80.5	68.9	61.7	61.5	453	579	3,456
1978	29	25	5,239	79.1	81.7	74.5	62.3	60.3	521	666	3,870
1979	28	23	5,718	78.9	82.8	74.2	65.1	63.4	625	1,028	4,348
1980	30	22	4,844	78.6	84.0	83.3	68.6	67.9	702	1,220	4,871
1981	31	21	6,367	81.5	84.4	81.7	70.1	61.2	870	1,542	6,009
1982	31	21	6,519	84.1	84.8	87.3	75.4	64.1	1,167	1,827	8,413
1983	29	21	6,951	88.3	85.3	87.0	74.5	65.4	1,229	1,910	9,415
1984	27	23	8,292	91.3	85.6	85.5	79.9	65.3	1,399	2,090	9,785
1985	26	22	8,986	92.0	86.0	85.9	89.0	66.2	1,521	2,269	9,755
1986	26	23	10,416	94.3	86.4	85.6	85.3	70.8	1,555	2,159	9,563

⁴ Students aged 6-17 years divided by population of same age group.

⁵ Refers to population 10 years and over.

⁶ For financial year beginning 1 April. Figures for 1986 are based on Budget estimates.

SOCIAL INDICATORS (continued)

Year	Employment					Health			
	Labour Force (15-64 Years)	Unemployment Rate (15-64 Years)	Labour Force Participation Rate (15-64 Years)	CPF Contributors in Labour Force	Union Members Among Employed	Per Capita Government Expenditure on Health ⁷	Persons Per		
	Thousand		Per Cent			Dollar	Doctor	Dentist	Hospital Bed
1976	885	4.5	60.1	76.6	26.3	64	1,345	8,494	236
1977	919	3.9	61.2	77.7	25.9	68	1,259	7,725	240
1978	975	3.6	62.6	79.9	25.2	76	1,265	7,287	246
1979	1,035	3.4	64.1	80.5	25.0	84	1,287	6,889	245
1980	1,093	3.5	66.4	79.0	23.1	96	1,222	6,977	252
1981	1,128	2.9	66.1	81.4	20.5	112	1,168	6,604	247
1982	1,151	2.6	66.5	80.6	19.1	130	1,111	6,149	252
1983	1,186	3.3	67.0	77.4	17.9	139	1,060	5,739	255
1984	1,188	2.7	66.9	79.4	16.6	154	1,010	5,324	262
1985	1,185	4.2	65.8	75.1	17.7	195	972	5,157	259
1986	1,210	6.5	66.2	75.4	17.7	187	930	4,917	259

⁷ Figure for 1986 is based on Budget estimates.

SOCIAL INDICATORS (continued)

Year	Culture & Recreation				Communication				
	Daily Newspapers Circulation	Per Cent of National Library Members to Total Population		Annual Cinema Attendances	Radio & Television Licences	Telephones	Persons Per		
	Per 1,000 Population	Under 15 Years	15 Years & Over	Per Person	Per 1,000 Population		Public Bus	Private Car	Taxi
1976	208	23.8	9.4	17	135	163	440	17	417
1977	216	25.2	10.1	19	142	196	427	17	385
1978	227	25.9	9.4	19	150	229	401	17	305
1979	247	27.5	9.2	19	156	262	383	17	279
1980	255	28.7	10.5	17	165	291	371	16	255
1981	264	30.3	13.9	15	170	317	352	15	248
1982	266	32.5	18.2	14	172	345	326	14	240
1983	278	34.7	22.5	12	186	369	313	12	234
1984	280	35.7	25.9	11	188	397	305	12	229
1985	279	38.3	30.8	9	188	420	293	12	234
1986	265	39.5	34.6	8	197	432	299	12	242

SOCIAL INDICATORS (continued)

Year	Public Housing				Utilities		Fire		Public Order	
	Public Flats ⁸		Per Cent of Population Living in Public Flats		Electricity Consumption Per Person	Water Consumption Per Person	Number	Value of Property Damaged	Total Offences	Police Force
	Total Number Managed	Per Cent Owner-occupied	Public Flats	Owner-occupied Public Flats	Kilowatt Hour	Cubic Metre		Million Dollars	Per 10,000 Population	
1976	256,901	63	60	27	1,760.8	75.4	4,165	19.3	78	30
1977	295,161	62	64	31	1,938.0	78.0	3,804	18.9	86	30
1978	328,385	68	68	37	2,194.6	81.4	4,174	27.2	82	31
1979	351,851	61	71	39	2,370.7	85.4	4,983	70.4	103	30
1980	370,044	64	73	42	2,529.5	89.7	4,705	24.1	123	30
1981	380,294	63	74	43	2,695.7	95.2	5,851	85.6	161	31
1982	399,935	66	75	50	2,811.1	97.4	6,093	26.5	160	30
1983	430,169	70	77	54	3,054.7	102.7	6,802	47.1	164	31
1984	506,340	74	81	60	3,292.0	104.9	4,646	28.0	178	31
1985	551,767	76	84	64	3,448.3	104.0	5,384	18.8	182	32
1986	585,445	78	85	66	3,664.0	103.0	5,306	17.3	186*	32*

⁸ Prior to 1982, figures refer to flats managed by Housing and Development Board (HDB), Jurong Town Corporation and Housing and Urban Development Company. From 1982, all these flats were managed by HDB.

1 CLIMATE AND LAND USE

LAND USE

1 CLIMATE AND LAND USE

The Republic of Singapore is situated in the centre of the Malay Archipelago. This location at the focal point of the trade routes of the region has contributed greatly to the development of Singapore as an entrepot trade and commercial centre of South East Asia. It is now considered a newly industrializing country and is developing into an international centre in finance, transport and communications, and other services.

The land area of Singapore is approximately 621.7 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 135.7 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 with Kranji River flowing into the Straits of Johore and Jurong River into the Straits of Singapore; and the eastern coastal area consisting of alluvium

and sediment stretches from Katong to Bedok and Changi.

Climate

The main features of the climate of Singapore are relatively uniform temperature, high humidity and abundant rainfall due to the maritime exposure of the island and its close proximity to the Equator. 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 affect the island.

Land Use

Of the total land area, about 48.3 per cent has been developed for residential, commercial and industrial usage and another 6.4 per cent used for agriculture. The rest consists of forest reserves, marsh and other non-built up areas.

The Ministry of the Environment monitors the ambient air quality through 15 stations located in urban, industrial and rural areas. Some of the pollutants commonly monitored are total acidity, smoke, nitrogen oxides and dust fall-out. The air pollution levels in 1986 were similar to the previous year's level and within acceptable air quality standards.

In general, the air pollution levels are lower during the Monsoon periods when much of the pollutants are washed out by the rain, and higher during the inter-monsoon periods (April-May and October-November) when the low winds and calm airs and relatively moderate rainfall are less effective in dispersing the air pollutants.

1.1 TEMPERATURE, RAINFALL AND SUNSHINE

Year	Mean Temperature (°C)		Mean Relative Humidity at 2.00pm ¹ (%)	Rainfall			Bright Sunshine Daily Mean Hours
	Maximum	Minimum		Total (mm)	Maximum in a Day (mm)	Number of Rainy Days	
1976	30.7	23.3	70	2,167	84	161	6.0
1977	30.9	23.7	71	1,775	94	141	5.7
1978	31.0	23.7	72	2,766	512	171	5.5
1979	31.0	23.9	72	2,168	91	168	5.7
1980	31.0	23.9	74	2,326	134	176	5.7
1981	31.3	24.2	70	1,463	72	145	5.8
1982	31.4	24.6	69	1,582	109	130	5.7
1983	31.7	24.9	70	1,994	182	145	5.6
1984	30.8	24.0	74	2,687	154	191	5.1
1985	31.3	24.3	71	1,484	87	181	5.6
1986	31.1	24.4	71	2,536	132	174	5.5

¹ Due to the introduction of 30 minutes of daylight saving since January 1982, the time of observation has been advanced from 1.30pm to 2.00pm.

Source : Meteorological Service

1.2 LAND USE

Square Kilometre

Year	Total	Built-up Area ¹	Farm Holding Area ²	Forest	Marsh & Tidal Waste	Others ³
1976	602.0	243.4	103.7	32.4	32.4	190.1
1977	616.3	264.3	102.8	32.4	26.7	190.1
1978	616.3	266.5	100.6	32.4	26.7	190.1
1979	617.8	267.9	89.7	30.0	26.4	203.8
1980	617.8	275.1	80.9	30.0	26.0	205.8
1981	617.9	288.6	74.9	28.6	22.4	203.4
1982	618.1	289.9	67.7	28.6	21.4	210.5
1983	618.1	291.7	64.3	28.6	21.1	212.4
1984	620.2	295.0	58.9	28.6	18.7	219.0
1985	620.5	298.8	47.1	28.6	18.5	227.5
1986	621.7	300.3	39.7	28.6	18.2	234.9

¹ Include new industrial sites.

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

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

Source : Survey Department

1.3 AIR POLLUTION LEVELS

Year	Total Acidity Levels			Smoke Levels			Nitrogen Oxides Levels			Dust Fall-out Levels		
	Urban	Industrial	Rural	Urban	Industrial	Rural	Urban	Industrial	Rural	Urban	Industrial	Rural
	Microgram per cubic metre at normal temperature & pressure									Grams per square metre per month		
1976	70	64	36	34	20	18	69	48	57	0.37	0.89	0.17
1977	38	47	32	32	20	17	77	65	57	0.38	0.67	0.22
1978	45	47	26	32	22	16	78	61	51	0.43	0.59	0.31
1979	44	42	24	33	23	17	81	43	44	0.41	0.89	0.48
1980	37	38	19	30	18	19	41	31	31	0.50	0.97	0.49
1981	33	32	22	28	19	19	56	41	38	0.86	1.11	0.68
1982	31	34	25	24	20	20	61	50	48	0.69	1.36	0.70
1983	34	32	21	25	19	15	50	31	-	1.10	1.31	1.01
1984	35	28	24	26	18	16	62	38	-	0.87	0.92	0.83
1985	24	20	14	26	19	15	64	38	-	1.07	0.85	0.92
1986	18	14	9	25	17	15	65	44	-	0.90	0.70	0.79

Source : Pollution Control Department

2 DEMOGRAPHY

Population Census

The first census in Singapore was taken in April 1871. Since then, regular decennial censuses were undertaken up to 1931. The Second World War delayed the subsequent 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 latest census was conducted in 1980.

The census data generally referred to all persons enumerated in Singapore at the time of the census. This would include persons in fishing belongs and on board ships and boats. They excluded non-locally domiciled services personnel and their dependants, ships' crew and passengers in transit in Singapore waters and foreign visitors in hotels.

Mid-year Estimates

The mid-year population estimates for the intercensal years 1971-1979 were based on the 1970 census data and estimates of natural increase.

The estimates were revised to include migration deduced from the 1980 census data. Mid-year population estimates for 1981 to 1986 exclude migration.

Births and Deaths

The Registration of Births and Deaths Act stipulates that a birth must be registered within 42 days and a death within 3 days of occurrence. Still-births are classified separately from births and deaths and 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 government hospitals. Live-births can also be registered at gazetted maternal and child health clinics. Deaths and still-births can also be registered at gazetted police stations/sub-stations/police posts. The registration system is comprehensive and the records of vital statistics are virtually complete.

The crude birth and crude death rates are defined as the number of live-births and deaths respectively per thousand mid-year population.

Fertility Rates

The age-specific fertility rate refers to the number of births attributable to mothers of a specific age group per one thousand females in that age group.

The total fertility rate is the average number of children that would be born per woman, if all women 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. The gross reproduction rate, which gives the average number of daughters produced by each woman during her whole reproductive period, is similarly computed on the basis of female births only. The net reproduction rate is a refinement of the gross reproduction rate, in that it allows for mortality of women, from birth to the end of their reproductive years.

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 irrespective of the venue of solemnization.

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

Divorces

Muslim divorces are compiled from records maintained by the Syariah Court. 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.

2.1 POPULATION

Year	Population											Rate of Population Increase	Sex Ratio (Males Per 1,000 Females)
	Total			Malays		Chinese		Indians ¹		Others			
	Persons	Males	Females	Males	Females	Males	Females	Males	Females	Males	Females		
	Thousand											Per Cent	
Census													
1901	227.6	170.0	57.6	20.2	15.8	130.4	33.7	14.3	3.4	5.1	4.7	2.3	2,951
1911	303.3	215.5	87.8	22.6	19.2	161.6	57.9	23.1	4.7	8.2	6.0	2.9	2,454
1921	418.3	280.9	137.4	29.6	24.0	214.2	100.9	26.9	5.4	10.2	7.1	3.3	2,043
1931	557.7	352.1	205.6	34.9	30.1	261.0	157.6	42.8	8.0	13.4	9.9	2.9	1,713
1947	938.2	515.0	423.2	62.3	51.5	387.4	342.1	51.7	17.3	13.6	12.3	3.3	1,217
1957	1,445.9	762.8	683.1	103.2	93.8	555.7	534.9	89.1	40.5	14.8	13.9	4.4	1,117
1970	2,074.5	1,062.1	1,012.4	158.4	153.0	796.5	783.4	87.5	57.6	19.7	18.4	2.8	1,049
1980	2,413.9	1,231.7	1,182.2	181.9	169.6	935.0	921.2	88.0	66.6	26.8	24.8	1.5	1,042
Mid-year Estimates													
1975	2,262.6	1,156.1	1,106.5	171.8	162.3	873.5	860.2	87.7	62.5	23.1	21.5	1.4	1,045
1976	2,293.3	1,171.3	1,122.0	173.7	163.7	886.0	872.8	87.8	63.3	23.8	22.2	1.4	1,044
1977	2,325.3	1,187.3	1,138.0	175.6	165.1	899.3	886.0	87.9	64.0	24.5	22.9	1.3	1,043
1978	2,353.6	1,201.4	1,152.2	177.6	166.5	910.7	897.5	87.9	64.8	25.2	23.4	1.2	1,043
1979	2,383.5	1,216.3	1,167.2	179.6	168.0	922.9	909.5	87.9	65.6	25.9	24.1	1.3	1,042
1980 (Census)	2,413.9	1,231.7	1,182.2	181.9	169.6	935.0	921.2	88.0	66.6	26.8	24.8	1.2	1,042
1981	2,443.3	1,246.3	1,197.0	184.7	172.3	945.5	931.4	88.7	67.8	27.4	25.5	1.2	1,041
1982	2,471.8	1,260.4	1,211.4	187.4	175.0	955.5	941.2	89.4	68.9	28.1	26.3	1.2	1,040
1983	2,502.0	1,275.5	1,226.5	190.4	178.1	965.9	951.2	90.4	70.2	28.8	27.0	1.1	1,040
1984	2,529.1	1,288.7	1,240.4	193.3	181.1	974.9	960.1	91.1	71.5	29.4	27.7	1.1	1,039
1985	2,558.0	1,302.9	1,255.1	196.5	184.3	984.4	969.5	91.9	72.8	30.1	28.5	1.1	1,038
1986	2,586.2	1,316.9	1,269.3	199.8	187.6	993.6	978.4	92.8	74.0	30.7	29.3	1.0	1,038

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

2.2 MALE POPULATION ESTIMATES BY AGE GROUP

Thousand

Age Group (Years)	1976	1977	1978	1979	1980 ¹	1981	1982	1983	1984	1985	1986
Total	1,171.3	1,187.3	1,201.4	1,216.3	1,231.7	1,246.3	1,260.4	1,275.5	1,288.7	1,302.9	1,316.9
0 - 4	114.5	111.3	105.8	102.8	100.9	101.4	101.8	104.8	105.1	107.7	107.6
5 - 9	116.8	115.7	116.2	116.5	115.8	113.0	110.1	104.9	102.5	100.3	100.9
10 - 14	142.8	138.3	133.3	126.4	120.8	117.3	116.0	116.2	116.4	115.6	112.8
15 - 19	153.1	153.8	153.0	151.8	148.2	143.8	138.6	133.2	126.2	120.6	117.0
20 - 24	132.9	139.2	144.4	148.5	152.8	155.3	155.1	153.9	151.8	147.4	143.0
25 - 29	113.7	116.5	120.7	125.0	129.4	134.6	140.2	144.8	148.3	151.9	154.4
30 - 34	67.9	76.8	86.0	95.1	107.4	115.2	117.3	120.9	124.8	128.6	133.7
35 - 39	69.8	71.4	71.7	71.8	68.9	69.0	77.6	86.4	95.0	106.5	114.2
40 - 44	57.8	58.4	59.6	63.3	66.5	69.4	71.1	71.5	71.4	68.0	68.1
45 - 49	52.8	53.2	53.8	53.7	54.7	56.1	56.8	58.2	62.0	65.2	68.1
50 - 54	41.6	43.1	44.5	46.5	48.3	49.9	50.6	51.5	51.6	52.8	54.1
55 - 59	35.0	35.4	36.1	36.4	37.0	38.0	39.6	41.3	43.3	45.3	46.9
60 - 64	28.7	28.4	28.6	29.1	29.8	30.7	31.4	32.0	32.8	33.3	34.3
65 - 69	21.8	22.8	23.3	23.7	23.7	23.4	23.5	23.8	24.4	25.3	26.2
70 & Over	22.1	23.0	24.4	25.7	27.5	29.2	30.7	32.1	33.1	34.4	35.6

¹ Census of Population.

2.3 FEMALE POPULATION ESTIMATES BY AGE GROUP

Thousand

Age Group (Years)	1976	1977	1978	1979	1980 ¹	1981	1982	1983	1984	1985	1986
Total	1,122.0	1,138.0	1,152.2	1,167.2	1,182.2	1,197.0	1,211.4	1,226.5	1,240.4	1,255.1	1,269.3
0 - 4	106.8	103.8	98.4	95.2	92.8	93.4	93.6	96.2	96.7	99.8	99.3
5 - 9	110.5	108.8	109.0	108.9	108.1	105.4	102.6	97.7	94.9	92.4	93.1
10 - 14	135.1	131.4	126.2	119.9	114.7	111.0	109.0	109.2	109.0	108.0	105.2
15 - 19	143.1	143.1	142.9	142.1	139.2	135.9	131.6	126.1	119.8	114.5	110.8
20 - 24	127.2	132.8	137.0	140.5	143.4	144.9	144.5	143.8	142.3	138.9	135.6
25 - 29	110.1	112.5	116.0	119.9	124.1	128.9	133.7	137.6	140.7	143.0	144.5
30 - 34	65.9	74.4	83.4	92.0	103.7	111.5	113.7	116.9	120.1	123.7	128.5
35 - 39	69.2	70.9	71.3	70.3	66.9	66.4	74.9	83.7	92.0	103.2	111.0
40 - 44	55.4	56.3	57.5	61.9	65.0	68.3	70.3	70.7	70.0	66.4	66.0
45 - 49	47.7	49.2	50.0	50.6	52.5	54.3	55.1	56.6	60.9	64.2	67.5
50 - 54	36.7	38.0	40.0	42.2	44.8	46.7	48.0	48.9	49.6	51.4	53.3
55 - 59	32.7	32.8	33.5	34.1	34.4	35.1	36.7	38.5	40.8	43.3	45.1
60 - 64	28.7	28.7	28.8	29.2	29.9	30.6	30.9	31.6	32.2	32.4	33.2
65 - 69	22.3	23.5	24.6	25.2	25.6	25.7	25.9	26.2	26.7	27.3	28.0
70 & Over	30.6	31.8	33.6	35.2	37.1	38.9	40.9	42.8	44.7	46.6	48.2

¹ Census of Population.

2.4 POPULATION ESTIMATES BY AGE GROUP, ETHNIC GROUP AND SEX, END JUNE 1976

Age Group (Years)	Total			Malays			Chinese			Indians			Others		
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
Thousand															
Total	2,293.3	1,171.3	1,122.0	337.4	173.7	163.7	1,758.8	886.0	872.8	151.1	87.8	63.3	46.0	23.8	22.2
0 - 4	221.3	114.5	106.8	33.3	17.3	16.0	170.2	88.1	82.1	12.4	6.3	6.1	5.4	2.8	2.6
5 - 9	227.3	116.8	110.5	39.3	19.8	19.5	168.8	87.2	81.6	14.8	7.6	7.2	4.4	2.2	2.2
10 - 14	277.9	142.8	135.1	51.8	26.7	25.1	203.4	104.6	98.8	18.7	9.5	9.2	4.0	2.0	2.0
15 - 19	296.2	153.1	143.1	48.7	25.4	23.3	223.9	115.2	108.7	19.6	10.6	9.0	4.0	1.9	2.1
20 - 24	260.1	132.9	127.2	37.9	19.4	18.5	202.4	103.3	99.1	15.8	8.4	7.4	4.0	1.8	2.2
25 - 29	223.8	113.7	110.1	28.8	14.5	14.3	177.0	89.9	87.1	12.8	6.7	6.1	5.2	2.6	2.6
30 - 34	133.8	67.9	65.9	16.1	7.8	8.3	105.8	53.7	52.1	7.7	4.2	3.5	4.2	2.2	2.0
35 - 39	139.0	69.8	69.2	17.7	8.5	9.2	108.9	54.6	54.3	8.8	4.7	4.1	3.6	2.0	1.6
40 - 44	113.2	57.8	55.4	16.0	7.7	8.3	85.7	43.1	42.6	8.6	5.3	3.3	2.9	1.7	1.2
45 - 49	100.5	52.8	47.7	14.6	7.8	6.8	73.7	36.5	37.2	9.7	7.1	2.6	2.5	1.4	1.1
50 - 54	78.3	41.6	36.7	11.7	6.8	4.9	56.2	27.0	29.2	8.4	6.6	1.8	2.0	1.2	0.8
55 - 59	67.7	35.0	32.7	8.7	5.0	3.7	51.5	24.3	27.2	6.1	4.9	1.2	1.4	0.8	0.6
60 - 64	57.4	28.7	28.7	5.2	2.9	2.3	47.5	22.4	25.1	3.7	2.9	0.8	1.0	0.5	0.5
65 - 69	44.1	21.8	22.3	3.9	2.1	1.8	37.5	17.7	19.8	2.2	1.7	0.5	0.5	0.3	0.2
70 & Over	52.7	22.1	30.6	3.7	2.0	1.7	46.3	18.4	27.9	1.8	1.3	0.5	0.9	0.4	0.5
Per Cent															
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0 - 19	44.6	45.0	44.1	51.3	51.4	51.3	43.6	44.6	42.5	43.4	38.7	49.8	38.7	37.4	40.1
20 - 39	33.0	32.8	33.2	29.8	28.9	30.7	33.8	34.0	33.5	29.8	27.4	33.3	37.0	36.1	37.8
40 - 59	15.7	16.0	15.4	15.1	15.7	14.5	15.2	14.8	15.6	21.7	27.2	14.1	19.1	21.4	16.7
60 & Over	6.7	6.2	7.3	3.8	4.0	3.5	7.4	6.6	8.4	5.1	6.7	2.8	5.2	5.1	5.4

2.5 POPULATION ESTIMATES BY AGE GROUP, ETHNIC GROUP AND SEX, END JUNE 1986

Age Group (Years)	Total			Malays			Chinese			Indians			Others		
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
Thousand															
Total	2,586.2	1,316.9	1,269.3	387.4	199.8	187.6	1,972.0	993.6	978.4	166.8	92.8	74.0	60.0	30.7	29.3
0 - 4	206.9	107.6	99.3	38.1	19.7	18.4	144.7	75.4	69.3	15.7	8.2	7.5	8.4	4.3	4.1
5 - 9	194.0	100.9	93.1	30.9	16.0	14.9	146.8	76.5	70.3	11.1	5.7	5.4	5.2	2.7	2.5
10 - 14	218.0	112.8	105.2	33.5	17.3	16.2	167.8	86.9	80.9	11.7	6.0	5.7	5.0	2.6	2.4
15 - 19	227.8	117.0	110.8	38.1	19.2	18.9	170.5	88.0	82.5	14.7	7.6	7.1	4.5	2.2	2.3
20 - 24	278.6	143.0	135.6	50.6	26.2	24.4	205.7	105.5	100.2	18.6	9.5	9.1	3.7	1.8	1.9
25 - 29	298.9	154.4	144.5	48.6	25.8	22.8	226.3	116.0	110.3	19.9	10.9	9.0	4.1	1.7	2.4
30 - 34	262.2	133.7	128.5	37.4	19.4	18.0	203.9	103.6	100.3	16.2	8.7	7.5	4.7	2.0	2.7
35 - 39	225.2	114.2	111.0	28.0	14.2	13.8	177.6	89.9	87.7	13.0	6.8	6.2	6.6	3.3	3.3
40 - 44	134.1	68.1	66.0	15.4	7.5	7.9	105.8	53.5	52.3	7.7	4.2	3.5	5.2	2.9	2.3
45 - 49	135.6	68.1	67.5	16.4	7.9	8.5	106.8	53.5	53.3	8.4	4.4	4.0	4.0	2.3	1.7
50 - 54	107.4	54.1	53.3	14.8	7.1	7.7	81.9	40.6	41.3	7.9	4.7	3.2	2.8	1.7	1.1
55 - 59	92.0	46.9	45.1	12.9	6.7	6.2	68.7	33.1	35.6	8.2	5.8	2.4	2.2	1.3	0.9
60 - 64	67.5	34.3	33.2	9.8	5.6	4.2	49.7	22.9	26.8	6.4	4.9	1.5	1.6	0.9	0.7
65 - 69	54.2	26.2	28.0	6.6	3.8	2.8	42.6	18.8	23.8	4.1	3.1	1.0	0.9	0.5	0.4
70 & Over	83.8	35.6	48.2	6.3	3.4	2.9	73.2	29.4	43.8	3.2	2.3	0.9	1.1	0.5	0.6
Per Cent															
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0 - 19	32.7	33.3	32.2	36.3	36.1	36.5	31.9	32.9	31.0	31.9	29.6	34.7	38.5	38.4	38.6
20 - 39	41.2	41.4	40.9	42.5	42.9	42.1	41.3	41.8	40.7	40.6	38.7	43.0	31.8	28.7	35.1
40 - 59	18.1	18.0	18.3	15.3	14.6	16.1	18.4	18.2	18.7	19.3	20.6	17.7	23.7	26.7	20.5
60 & Over	8.0	7.3	8.6	5.9	6.4	5.3	8.4	7.1	9.6	8.2	11.1	4.6	6.0	6.2	5.8

2.6 VITAL STATISTICS

Year	Live-births			Deaths		Natural Increase	Crude Birth Rate	Crude Death Rate	Rate of Natural Increase	Infant Mortality Rate
	Total ¹	Males	Females	Total	Infants					
	Number						Per 1,000 Population			Per 1,000 Live-births
1976	42,783	22,187	20,593	11,648	498	31,135	18.7	5.1	13.6	11.6
1977	38,364	19,917	18,445	11,955	474	26,409	16.5	5.1	11.4	12.4
1978	39,441	20,364	19,076	12,065	498	27,376	16.8	5.1	11.6	12.6
1979	40,779	21,293	19,485	12,468	540	28,311	17.1	5.2	11.9	13.2
1980	41,217	21,308	19,908	12,505	483	28,712	17.1	5.2	11.9	11.7
1981	42,250	21,910	20,336	12,863	451	29,387	17.3	5.3	12.0	10.7
1982	42,654	22,285	20,367	12,896	456	29,758	17.3	5.2	12.0	10.7
1983	40,585	21,049	19,533	13,321	382	27,264	16.2	5.3	10.9	9.4
1984	41,556	21,661	19,894	13,162	365	28,394	16.4	5.2	11.2	8.8
1985	42,484	22,027	20,452	13,348	394	29,136	16.6	5.2	11.4	9.3
1986*	39,400	20,463	18,933	12,821	359	26,579	15.2	5.0	10.3	9.1

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

2.7 AGE SPECIFIC AND TOTAL FERTILITY RATES, GROSS AND NET REPRODUCTION RATES

Per Thousand Female Population

Age Group (Years)	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986*
15 - 19	16.2	13.4	11.8	11.4	12.2	11.5	11.2	10.3	10.2	9.7	8.7
20 - 24	107.2	90.3	86.8	85.1	79.9	80.3	77.1	70.0	66.9	66.9	61.5
25 - 29	160.2	138.9	140.9	139.3	137.3	136.3	133.9	124.8	124.5	124.7	113.6
30 - 34	95.9	85.2	86.8	88.4	84.5	82.0	83.3	79.5	83.2	86.6	78.6
35 - 39	33.8	28.7	26.7	27.5	27.2	28.6	30.4	29.2	31.9	31.2	29.3
40 - 44	8.1	6.9	5.3	5.5	5.7	5.4	4.9	3.8	4.8	4.5	4.9
45 - 49	0.8	0.6	0.6	1.0	0.5	0.4	0.3	0.2	0.2	0.2	0.2
TOTAL FERTILITY RATE	2,111	1,820	1,795	1,791	1,737	1,723	1,706	1,589	1,609	1,619	1,484
Gross Reproduction Rate	1,018	877	869	853	840	830	816	765	770	780	713
Net Reproduction Rate	985	849	841	825	819	810	796	746	750	760	695

2.8 LIVE-BIRTHS BY BIRTH ORDER

Birth Order	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986*
Total ¹	Number										
	42,783	38,364	39,441	40,779	41,217	42,250	42,654	40,585	41,556	42,484	39,400
	17,200	16,138	16,424	17,253	17,968	18,599	19,105	18,255	18,071	18,638	17,780
	13,585	12,101	12,962	13,645	13,999	14,431	14,593	14,078	15,171	15,498	13,818
	7,083	6,221	6,463	6,630	6,236	6,305	6,228	5,757	5,877	5,900	5,553
	2,648	2,231	2,181	2,002	1,885	1,876	1,777	1,655	1,606	1,525	1,358
	984	745	674	601	590	522	506	470	436	443	386
6th & Over	1,179	879	659	538	422	438	391	302	276	236	206
Total	Per Cent										
	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	40.2	42.1	41.6	42.3	43.6	44.0	44.8	45.0	43.5	43.9	45.1
	31.7	31.6	32.9	33.5	34.0	34.2	34.2	34.7	36.5	36.5	35.1
	16.6	16.2	16.4	16.3	15.1	14.9	14.6	14.2	14.1	13.9	14.1
	6.2	5.8	5.5	4.9	4.6	4.4	4.2	4.1	3.9	3.6	3.4
	2.3	1.9	1.7	1.5	1.4	1.2	1.2	1.2	1.0	1.0	1.0
6th & Over	2.8	2.3	1.7	1.3	1.0	1.0	0.9	0.7	0.7	0.6	0.5

Total includes birth order not stated.

2.9 MALE AND FEMALE AGE SPECIFIC DEATH RATES, 1982-1986

Per Thousand Population

Age Group (Years)	Males					Females				
	1982	1983	1984	1985	1986*	1982	1983	1984	1985	1986*
Total	5.9	6.0	5.9	5.8	5.5	4.5	4.6	4.4	4.6	4.4
Under 1 ¹	12.5	10.3	9.0	10.2	9.4	8.6	8.5	8.5	8.3	8.8
1 - 4	0.8	0.7	0.7	0.4	0.5	0.6	0.7	0.6	0.4	0.3
5 - 9	0.4	0.3	0.4	0.2	0.2	0.3	0.3	0.2	0.2	0.2
10 - 14	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.2	0.2	0.2
15 - 19	0.9	0.9	0.9	0.9	0.8	0.4	0.4	0.4	0.5	0.3
20 - 24	1.3	1.2	1.2	1.0	1.1	0.5	0.6	0.5	0.4	0.5
25 - 29	1.3	1.3	1.4	1.2	1.1	0.7	0.6	0.6	0.7	0.5
30 - 34	1.4	1.6	1.3	1.4	1.2	0.8	0.9	0.7	0.8	0.9
35 - 39	2.0	2.0	2.1	1.9	1.8	1.2	1.1	1.1	1.2	0.9
40 - 44	3.0	3.1	3.2	3.0	2.9	1.8	1.8	1.7	1.5	1.8
45 - 49	5.7	5.2	5.5	5.1	4.4	3.2	2.9	3.3	2.8	2.6
50 - 54	9.8	10.3	10.0	8.8	8.9	5.8	5.2	5.3	5.0	4.7
55 - 59	17.1	16.2	16.8	16.9	14.8	8.7	8.8	8.2	8.2	7.8
60 - 64	26.2	25.9	25.4	24.7	22.7	14.3	14.3	13.7	14.8	13.5
65 - 69	40.7	40.6	41.0	37.0	36.4	24.1	23.5	22.4	23.2	21.3
70 & Over	87.8	89.9	83.6	84.4	77.7	67.1	70.3	64.5	65.3	60.8

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

2.10 DEATHS BY BROAD GROUPS OF CAUSES

	Number										
Causes of Death	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986*
All Causes	11,648	11,955	12,065	12,468	12,505	12,863	12,896	13,321	13,162	13,348	12,821
Infective & Parasitic Diseases	554	523	502	503	425	432	393	432	390	375	389
of which : Tuberculosis	358	340	318	331	240	221	207	224	163	177	175
Neoplasms	2,278	2,326	2,415	2,542	2,623	2,672	2,729	2,903	2,817	2,939	2,915
of which : Cancer	2,245	2,286	2,386	2,488	2,561	2,616	2,668	2,858	2,776	2,893	2,882
Endocrine, Nutritional & Metabolic Diseases	408	429	403	403	359	404	397	423	512	492	508
of which : Diabetes	334	377	334	347	319	368	361	373	469	464	480
Diseases of the Blood & Blood-forming Organs	32	50	45	41	31	42	33	33	28	29	30
Diseases of the Nervous System & Sense Organs	129	110	114	122	131	114	121	92	97	87	85
Diseases of the Circulatory System	3,798	3,889	3,983	4,233	4,305	4,413	4,430	4,436	4,637	4,651	4,391
of which : Heart & Hypertensive Diseases	2,283	2,426	2,518	2,752	2,777	2,892	2,866	2,911	3,156	3,129	2,954
Cerebrovascular Disease	1,427	1,360	1,382	1,409	1,447	1,438	1,469	1,454	1,413	1,418	1,342
Diseases of the Respiratory System	1,651	1,902	1,724	2,024	1,965	2,196	2,257	2,429	2,096	2,241	1,899
of which : Pneumonia	1,010	1,215	942	1,124	1,129	1,284	1,375	1,513	1,204	1,287	1,049
Bronchitis	134	114	107	89	75	67	68	77	55	69	53
Diseases of the Digestive System	384	382	359	382	368	385	400	403	369	394	315
Diseases of the Genito-Urinary System	281	324	381	349	366	366	319	375	405	319	335
Congenital Anomalies	156	141	185	184	185	178	182	155	172	189	188
of which : Congenital Anomalies of Heart	70	70	98	105	111	109	101	86	91	84	88
Certain Causes of Perinatal Mortality	221	247	239	261	227	208	215	149	151	147	113
Accidents, Poisonings & Violence	890	914	1,057	876	899	938	966	1,085	1,095	1,082	1,200
of which : Motor Vehicle Accidents	257	264	299	236	250	281	326	323	343	292	..
Other Accidents	238	239	256	160	122	157	198	231	194	214	..
Suicides	257	224	266	249	271	191	239	267	211	327	..
Other Diseases & Causes	866	718	658	548	621	515	454	406	393	403	453
of which : Senility	679	571	505	359	403	237	219	208	236	170	140

Note : Deaths for 1976-1978 are classified according to the Eighth (1965) Revision of the International Classification of Diseases while deaths from 1979 are classified according to the Ninth (1975) Revision.

2.11 POPULATION AGED 60 YEARS AND OVER

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Demographic Characteristics											
Persons Aged 60 Years & Over ('000)	154.2	158.2	163.3	168.1	173.6	178.5	183.3	188.5	193.9	199.3	205.5
Percentage of Total Population	6.7	6.8	6.9	7.1	7.2	7.3	7.4	7.5	7.7	7.8	7.9
Sex Ratios of Persons Aged : (Males Per 1,000 Females)											
60 - 69 Years	990	981	972	971	965	961	967	965	971	982	989
70 Years & Over	722	723	726	730	739	751	751	750	740	738	739
60 Years & Over	890	883	877	876	874	875	876	874	872	875	878
Literacy Rate of Persons Aged 60 Years & Over (Per 1,000 Population)											
Males	643	659	671	683	695	706	716	727	737	750	762
Females	153	165	175	185	194	208	219	230	241	255	270
Economic Characteristics											
Economically Active Persons Aged 60 Years & Over ('000)	40.7	39.0	34.2	39.2	37.7	40.1	39.7	42.5	42.2	41.1	38.5
Percentage of Total Economically Active	4.5	4.2	3.5	3.7	3.4	3.5	3.4	3.5	3.5	3.4	3.1
Employed Persons Aged 15-59 Years ('000)	824.3	861.7	921.9	979.6	1,035.7	1,073.6	1,101.2	1,125.8	1,133.4	1,113.9	1,112.0
Self-employed (%)	13.7	13.3	12.7	12.1	13.6	11.5	12.0	12.4	12.7	12.7	12.8
Employees (%)	83.4	83.6	84.3	84.8	83.9	86.2	85.7	85.5	85.4	85.4	85.4
Employed Persons Aged 60 Years & Over ('000)	40.2	38.7	33.7	38.7	37.7	39.2	39.3	41.8	41.4	40.4	37.0
Self-employed (%)	45.2	46.2	42.8	44.2	44.9	42.0	39.9	42.8	39.8	37.9	43.0
Employees (%)	52.0	50.3	53.8	51.9	52.5	54.2	56.9	53.8	56.3	58.4	52.5

2.11 POPULATION AGED 60 YEARS AND OVER (continued)

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Mortality											
Deaths Aged 60 Years & Over (No.)	7,178	7,433	7,493	7,866	8,002	8,208	8,286	8,760	8,524	8,819	8,476
Percentage of Total	61.1	62.2	62.1	63.1	64.0	63.8	64.3	65.8	65.0	66.1	66.1
Age-specific Death Rates (Per 1,000 Population)											
Males Aged : 60 - 69 Years	37.3	37.2	35.7	35.9	35.9	35.6	32.4	32.2	32.0	30.0	28.6
70 Years & Over	93.1	92.0	90.3	92.2	86.9	85.1	87.8	89.9	83.6	84.4	77.7
60 Years & Over	54.3	54.2	53.1	54.3	53.2	52.9	52.3	53.3	50.9	50.1	46.8
Females Aged : 60 - 69 Years	20.4	22.5	21.3	20.9	20.1	19.4	18.8	18.5	17.6	18.7	17.1
70 Years & Over	71.7	70.4	68.5	70.0	69.3	69.6	67.1	70.3	64.5	65.3	60.8
60 Years & Over	39.6	40.6	39.5	40.2	39.9	39.9	39.0	40.5	37.9	39.1	36.4
Major Causes of Deaths Aged 60 Years & Over (Per 1,000 Population) :											
Heart & Hypertensive Diseases	9.7	10.5	10.7	11.2	11.2	11.0	10.9	11.0	11.7	11.4	10.2*
Malignant Neoplasms	8.5	8.3	8.8	8.8	9.3	9.0	8.6	9.6	8.6	8.9	8.7*
Cerebrovascular Diseases	7.0	6.8	6.8	6.6	6.6	6.3	6.4	6.3	5.7	5.8	5.4*
Pneumonia	4.9	5.7	4.4	5.3	5.2	5.7	6.0	6.6	5.1	5.3	4.5*
Tuberculosis (All Forms)	1.7	1.5	1.4	1.4	1.0	0.9	0.8	0.9	0.6	0.7	0.6*

2.11 POPULATION AGED 60 YEARS AND OVER (continued)

	1978	1979	1980	1981	1982	1983	1984	1985
Heath								
Patients Aged 60 Years & Over Discharged from Hospitals (No.)	29,744	36,969	44,097	42,846	46,128	47,087	49,109	49,137
Percentage of Total	12.9	14.3	16.6	16.1	16.8	17.3	17.7	17.5
Bed-days Taken Up by Patients Aged 60 Years & Over Discharged from Hospitals (No.)	643,493	677,422	711,545	695,022	688,224	741,992	692,658	710,976
Percentage of Total	25.5	25.6	26.7	26.3	25.7	28.2	26.8	28.3
Average Length of Stay in Hospitals (Days)								
Below 60 Years	9.4	8.9	8.8	8.7	8.7	8.4	8.3	7.8
60 Years & Over	21.6	18.3	16.1	16.2	14.9	15.8	14.1	14.5
All Ages	11.0	10.2	10.0	9.9	9.7	9.7	9.3	9.0
Hospital Morbidity Rates of Persons Aged 60 Years & Over for Selected Disease Conditions : (Per 1,000 Population)								
Heart & Hypertensive Diseases	23.2	27.0	29.2	31.9	30.3	28.2	31.9	31.6
Cancer	19.0	21.0	22.2	24.3	23.1	23.2	23.0	22.9
Cataract	9.3	10.4	12.8	14.9	13.4	13.8	12.9	15.3
Chronic Obstructive Lung Diseases	..	..	11.2	11.5	11.7	10.8	11.7	10.9
Cerebrovascular Diseases	8.5	10.1	9.1	10.3	8.6	9.3	9.4	10.6
Diabetes Mellitus	5.1	6.4	6.9	8.0	7.5	6.9	7.3	6.9
Fracture of Lower Limb	4.4	4.8	5.5	6.4	6.0	4.8	5.5	5.8
Pneumonia	3.4	5.1	4.5	4.6	4.3	4.5	4.5	4.8
Peptic Ulcer	4.7	5.3	5.3	5.9	5.2	4.4	4.7	4.2
Tuberculosis	4.8	5.4	4.7	4.2	4.2	3.7	3.5	3.1

2.12 MARRIAGES REGISTERED BY ETHNIC GROUP OF COUPLE

Number

Year	All Marriages Registered	Women's Charter					Muslim Law Act			
		Total	Chinese	Indians	Others	Inter-ethnic Group	Total	Malays	Others	Inter-ethnic Group
1976	21,497	18,551	16,703	1,117	124	607	2,946	2,266	218	462
1977	20,821	17,658	15,963	1,060	89	546	3,163	2,488	183	492
1978	21,306	18,197	16,392	1,099	106	600	3,109	2,412	205	492
1979	23,325	19,648	17,764	1,147	127	610	3,677	2,895	245	537
1980	23,721	19,689	17,758	1,171	118	642	4,032	3,192	242	598
1981	25,024	20,595	18,614	1,195	116	670	4,429	3,494	246	689
1982	23,214	18,392	16,503	1,079	119	691	4,822	3,791	257	774
1983	22,059	17,465	15,377	1,177	124	787	4,594	3,657	255	682
1984	24,940	20,446	18,255	1,256	109	826	4,494	3,496	260	738
1985	23,466	18,903	16,747	1,281	83	792	4,563	3,576	261	726
1986	20,075	15,690	13,824	1,094	95	677	4,385	3,415	241	729

2.13 MARRIAGES BY AGE GROUP OF GROOMS AND BRIDES, 1984-1986

Number

Age Group (Years)	1984				1985				1986			
	Grooms		Brides		Grooms		Brides		Grooms		Brides	
	Women's Charter	Muslim Law Act	Women's Charter	Muslim Law Act	Women's Charter	Muslim Law Act	Women's Charter	Muslim Law Act	Women's Charter	Muslim Law Act	Women's Charter	Muslim Law Act
All Ages	19,973	4,494	19,973	4,494	18,495	4,563	18,495	4,563	15,375	4,385	15,375	4,385
Under 15	-	-	-	-	-	-	-	-	-	-	-	1
15 - 19	84	101	1,184	720	70	69	1,080	684	63	50	822	566
20 - 24	4,493	1,651	9,453	2,374	4,206	1,678	8,623	2,424	3,277	1,439	6,808	2,225
25 - 29	9,717	1,806	6,900	878	8,866	1,848	6,500	927	7,064	1,856	5,512	982
30 - 34	3,943	526	1,729	276	3,727	575	1,597	292	3,360	571	1,545	313
35 - 39	1,069	189	506	132	1,046	166	487	115	989	201	481	162
40 - 44	334	78	116	56	282	70	123	57	315	90	109	60
45 - 49	179	51	55	30	171	62	54	30	163	57	64	39
50 & Over	154	92	30	28	127	95	31	34	144	121	34	37

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

2.14 AVERAGE AGE AT MARRIAGE OF GROOMS AND BRIDES

Years

Year	All Marriages		Women's Charter		Muslim Law Act	
	Grooms	Brides	Grooms	Brides	Grooms	Brides
1976	27.4	24.0	27.5	24.1	27.3	23.3
1977	27.6	24.2	27.6	24.3	27.5	23.5
1978	27.8	24.4	27.8	24.5	27.4	23.5
1979	27.8	24.5	27.9	24.6	27.6	23.7
1980	27.8	24.6	27.9	24.7	27.3	23.8
1981	27.9	24.7	28.0	24.9	27.4	23.9
1982	28.0	24.8	28.2	25.0	27.4	24.0
1983	28.1	24.9	28.3	25.2	27.3	24.0
1984	28.3	25.2	28.5	25.4	27.6	24.3
1985	28.3	25.3	28.5	25.5	27.7	24.5
1986	28.8	25.6	28.9	25.8	28.3	25.0

2.15 AGE SPECIFIC MARRIAGE RATES, 1970, 1979-1986

Per Thousand Unmarried Population

Age Group (Years)	1970	1979	1980	1981	1982	1983	1984	1985	1986
	Males								
	15 - 19	1.6	1.7	1.7	1.7	1.6	1.5	1.2	1.0
	20 - 24	52.4	46.7	49.9	52.2	46.1	42.6	42.3	34.9
	25 - 29	173.0	137.5	140.1	134.5	119.2	109.5	123.7	87.8
	30 - 34	171.7	150.1	138.0	140.9	126.4	117.3	137.3	97.2
	35 - 39	113.1	118.8	106.3	116.4	119.0	88.2	110.2	74.0
	40 - 44	59.5	82.8	62.8	92.2	87.5	61.9	70.8	67.6
	General Marriage Rate	51.6	51.7	55.0	58.7	54.4	51.1	58.4	46.3
	Females								
	15 - 19	19.1	17.5	18.4	19.5	18.5	17.7	16.1	12.7
	20 - 24	123.8	100.0	110.5	112.9	101.0	95.0	104.8	81.6
	25 - 29	192.3	120.3	136.5	136.7	117.3	111.9	131.8	99.3
	30 - 34	99.1	88.5	74.3	75.9	74.7	67.1	73.2	62.9
	35 - 39	46.0	41.2	43.6	50.4	48.5	39.5	45.1	34.8
	40 - 44	18.1	30.6	22.0	27.9	24.9	20.7	19.4	18.5
	General Marriage Rate	67.3	62.3	68.9	73.0	67.1	63.6	71.4	57.2

2.16 DIVORCES BY ETHNIC GROUP OF COUPLE, 1980-1986

Year	Women's Charter					Muslim Law Act				
	Total	Chinese	Indians	Others	Inter-ethnic Group	Total	Malays	Indians	Others	Inter-ethnic Group
Number										
1980	1,216	1,081	76	13	46	505	380	32	5	88
1981	1,441	1,301	84	13	43	614	472	36	5	101
1982	1,575	1,384	89	26	76	536	434	26	2	74
1983	1,602	1,427	92	11	72	711	549	39	6	117
1984	1,676	1,484	115	11	66	637	505	24	3	105
1985	1,606	1,382	127	11	86	738	579	30	8	121
1986	1,822	1,578	137	18	89	786	617	35	9	125
Per Cent										
1980	100.0	88.9	6.2	1.1	3.8	100.0	75.3	6.3	1.0	17.4
1981	100.0	90.3	5.8	0.9	3.0	100.0	76.9	5.9	0.8	16.4
1982	100.0	87.9	5.7	1.6	4.8	100.0	81.0	4.8	0.4	13.8
1983	100.0	89.1	5.7	0.7	4.5	100.0	77.2	5.5	0.8	16.5
1984	100.0	88.5	6.9	0.7	3.9	100.0	79.3	3.7	0.5	16.5
1985	100.0	86.0	7.9	0.7	5.4	100.0	78.4	4.1	1.1	16.4
1986	100.0	86.6	7.5	1.0	4.9	100.0	78.5	4.5	1.1	15.9

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

2.17 DIVORCEES BY AGE GROUP AND SEX, 1984-1986

Number

Age Group (Years)	1984				1985				1986			
	Males		Females		Males		Females		Males		Females	
	Women's Charter	Muslim Law Act	Women's Charter	Muslim Law Act	Women's Charter	Muslim Law Act	Women's Charter	Muslim Law Act	Women's Charter	Muslim Law Act	Women's Charter	Muslim Law Act
Total	1,676	637	1,676	637	1,606	738	1,606	738	1,822	786	1,822	786
Under 20	-	1	-	27	-	1	-	27	-	2	-	20
20 - 24	32	75	152	152	22	73	114	181	14	76	97	176
25 - 29	297	168	498	172	243	192	468	192	214	198	450	218
30 - 34	472	145	431	123	453	166	400	131	455	177	445	157
35 - 39	341	87	249	66	350	109	241	95	415	130	307	99
40 - 44	187	54	111	36	161	54	95	40	188	68	101	37
45 - 49	99	42	56	30	92	52	66	37	127	44	78	36
50 & Over	100	65	34	31	89	91	28	35	114	91	48	43
Not Stated	148	-	145	-	196	-	194	-	295	-	296	-
Mean Age (Years)	36.2	35.4	32.5	31.3	36.0	36.0	32.4	31.4	37.3	35.6	33.6	31.7

Note : See note to Table 2.16.

3 LABOUR, EMPLOYMENT AND PRODUCTIVITY

Labour Force

Data for 1976 to 1979 and 1981 to 1986 were based on the annual labour force surveys conducted by the Ministry of Labour in June of each year, whereas data for 1980 were based on the 1980 Census of Population conducted by the Department of Statistics. Data for 1981 to 1986 referred to persons aged fifteen years and over while data for the earlier years referred to persons aged ten years and over.

The main terms used in the data on labour force are defined as follows :

Employed Persons : Persons who, during the reference week, worked for pay or profit or for family gains as well as those who did not work but had a job to return to. Employed persons include employers, employees, own account workers and unpaid family workers.

Unemployed Persons : Persons who, during the reference week, did not work and did not have a job to return to but were actively looking for a job. It also includes persons who were not working but were taking steps to start their own business.

Economically Active Population : Comprised employed persons and unemployed persons.

Economically Inactive Persons : Persons who, during the reference week, did not work or did not have a job to return to and at the same time were not actively looking for a job.

Age-Sex Specific Participation Rate : Percentage of economically active population to the total population in the specific age groups.

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

Employment Service

Among other functions, the Employment Service Department of the Ministry of Labour provides free services for Singapore citizens and permanent residents seeking employment as well as assists employers to recruit workers. Registration for employment assistance at the Department is voluntary. Registrants are requested to inform the Department upon securing employment. They are expected to renew their registration every six months if they want further employment assistance. Those who do not renew their registration are taken off the 'live' register. The Employment Service Department also checks all

registrants' employment status using employment records maintained by the Central Provident Fund (CPF) Board. Registrants who have found jobs are removed from the 'live' register.

Weekly Earnings and Hours Worked

Prior to 1985, data on weekly earnings and hours worked were obtained from the Weekly Hours and Earnings Survey conducted by the Research and Statistics Department of the Ministry of Labour. The survey covered establishments in both public and private sectors employing ten or more paid workers. From 1985, data on weekly earnings were compiled from the Survey on Occupational Wages conducted by the CPF Board. The survey covered establishments in the public and private sectors. These establishments employ at least 25 active CPF contributors. Therefore, data from 1985 are not strictly comparable with those of earlier years.

Weekly hours data were obtained from the Labour Cost Survey conducted by the Research and Statistics Department of the Ministry of Labour.

The main terms used in the surveys are defined as follows :

Weekly Earnings : They include wages/salaries, overtime payments as well as all other monetary payments earned by workers during the reference

week of the survey. Wages/salaries refer to basic wages accrued to workers before all deductions such as their CPF contributions and personal income tax. All other monetary payments include leave allowance, cash allowances for food, housing and others. Payments-in-kind, payroll tax and the employers' CPF contributions are excluded.

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

Central Provident Fund

The Central Provident Fund was established on July 1, 1955 as Singapore's national social security savings scheme with the objective of providing financial protection to workers after retirement or when they are no longer able to work.

Members can also withdraw their CPF savings when they reach 55 years of age, if they leave Singapore permanently or if they are permanently disabled.

Both the worker and his employer contribute to the worker's savings with the CPF. Each member has three accounts : the Ordinary, Medi-save and Special Accounts. Savings in the Ordinary Account can be used for the purchase of houses,

non-residential properties, home protection insurance and investments. The Medisave Account can be used for payment of hospitalisation expenses while the Special Account is reserved for old age and contingencies.

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 to members' savings. The interest rate is adjusted every six months.

The rates of contribution payable to the Fund from 1 April 1986 in respect of employment in the private sector are shown below :

Total Amount of Employee's Wages for the Calendar Month	Contribution for the Calendar Month Payable by the Employer	Amount Recoverable by the Employer from the Employee's Wages for the Calendar Month
Not exceeding \$50	Nil	Nil
Exceeding \$50 but not exceeding \$200	An amount equal to 10% of the total amount of the employee's wages for the month.	Nil
Exceeding \$200 but not exceeding \$363	An amount equal to the sum of — a 20% of the total amount of the employee's wages for the month; and b One-third of the difference between the total amount of the employee's wages for the month and \$200.	An amount equal to the sum of — a 10% of the total amount of the employee's wages for the month; and b One-third of the difference between the total amount of the employee's wages for the month and \$200.
Exceeding \$363	An amount equal to the sum of — a 35% of the employee's ordinary wages for the month subject to a maximum of \$2,100; and b 35% of the amount of additional wages payable to the employee in the month.	An amount equal to the sum of — a 25% of the employee's ordinary wages for the month subject to a maximum of \$1,500; and b 25% of the amount of additional wages payable to the employee in the month.

Productivity

In 1986, the National Productivity Board focussed on the total approach to productivity which stressed both manpower productivity and capital productivity. Several training programmes and productivity improvement schemes were implemented for all levels, namely, managers, supervisors and workers. The importance of positive work attitudes was publicized through television commercials, slogans and newspaper advertisements. The assistance programme for small and medium-sized enterprises (SMEs) was initiated in 1986. The Management Guidance Centre assisted SMEs primarily in the areas of methods and quality improvements and industrial engineering operations. The Board also promoted the growth of Management Consultancy Services in Singapore by establishing a network of contacts in professional consultants, consulting agencies and foreign consultancy bodies for SMEs. A Resource Centre was established to help companies to produce training related audio-visual materials.

Trade Unions

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

Trade Disputes

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

A trade dispute means any dispute between employees and employers connected with the employment or non-employment or the terms of employment or the conditions of work of any person.

Industrial Stoppages

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

3.1 LABOUR FORCE

Mid-year	Labour Force							Participation Rate		Unemployment Rate
	Total			Employed		Unemployed				
	Persons	Males	Females	Males	Females	Males	Females	Males	Females	
	Thousand							Per Cent		
1976	885.1	605.1	280.0	581.8	263.7	23.3	16.2	81.3	38.4	4.5
1977	919.3	621.6	297.7	600.2	282.7	21.3	15.0	81.5	40.3	3.9
1978	975.1	648.5	326.6	626.9	313.0	21.6	13.5	82.6	42.3	3.6
1979	1,035.0	681.9	353.1	661.8	338.6	20.1	14.4	83.6	44.2	3.4
1980 ¹	1,093.4	714.0	379.4	690.0	364.7	24.0	14.7	84.7	47.2	3.5
1981	1,127.6	723.7	403.9	703.6	391.2	20.1	12.7	84.4	47.7	2.9
1982	1,151.3	737.7	413.6	719.8	401.7	17.9	11.9	84.6	48.1	2.6
1983	1,186.4	761.8	424.7	736.8	411.0	25.0	13.6	84.8	48.7	3.3
1984	1,187.8	753.3	434.5	733.4	422.2	20.0	12.3	84.5	48.9	2.7
1985	1,184.7	751.0	433.7	719.4	415.9	31.6	17.9	83.4	47.9	4.2
1986	1,210.1	759.3	450.8	705.5	425.7	53.9	25.1	83.1	48.8	6.5

Note : Data cover persons aged 15-64 years.

Source : Ministry of Labour

1 Census of Population, 1980.

3.2 PERSONS AGED 15 AND OVER BY ACTIVITY STATUS, AGE GROUP AND SEX, 1986

Thousand

Age Group (Years)	Total			Economically Active Persons									Economically Inactive Persons		
				Total			Employed			Unemployed					
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
Total	1,972.5	974.6	997.9	1,228.6	773.4	455.2	1,149.0	719.0	430.1	79.5	54.4	25.1	743.9	201.2	542.7
15 – 19	246.2	126.0	120.2	71.5	37.0	34.6	64.0	34.4	29.6	7.5	2.6	5.0	174.6	89.1	85.6
20 – 24	284.3	143.7	140.6	239.6	127.2	112.5	217.9	114.1	103.8	21.7	13.1	8.7	44.7	16.6	28.1
25 – 29	281.7	141.0	140.7	235.3	137.1	98.2	220.1	125.9	94.2	15.2	11.2	4.0	46.4	3.9	42.5
30 – 34	249.5	122.5	127.0	186.9	120.5	66.4	176.4	112.8	63.6	10.5	7.7	2.8	62.6	2.1	60.5
35 – 39	222.6	109.1	113.6	160.8	107.6	53.2	153.1	101.8	51.3	7.6	5.7	1.9	61.9	1.5	60.4
40 – 44	139.0	67.0	72.0	97.8	65.7	32.1	93.1	61.9	31.2	4.6	3.7	0.9	41.2	1.3	39.9
45 – 49	139.7	67.5	72.2	91.6	65.2	26.4	87.0	61.5	25.5	4.6	3.7	0.9	48.1	2.3	45.8
50 – 54	113.7	56.3	57.4	67.0	50.9	16.1	62.9	47.3	15.6	4.1	3.6	0.5	46.7	5.4	41.3
55 – 59	90.5	46.3	44.1	39.5	31.8	7.7	37.4	30.0	7.4	2.2	1.9	0.3	51.0	14.5	36.5
60 & Over	205.3	95.1	110.2	38.5	30.5	8.0	37.0	29.2	7.8	1.5	1.3	0.2	166.7	64.6	102.1

Source : Ministry of Labour

3.3 AGE-SEX SPECIFIC LABOUR FORCE PARTICIPATION RATES, 1970, 1980 AND 1984-1986

Per Cent

Age Group (Years)	1970 ¹			1980 ¹			1984			1985			1986		
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
Total	56.5	82.3	29.5	63.2	81.5	44.3	63.4	81.2	45.8	62.2	79.9	44.9	62.3	79.4	45.6
15 - 19	49.5	55.7	43.0	49.1	47.5	50.7	36.9	36.7	37.1	33.1	32.6	33.8	29.1	29.3	28.8
20 - 24	73.5	92.9	53.6	86.1	93.4	78.4	85.1	90.2	79.9	83.9	88.8	78.9	84.3	88.5	80.0
25 - 29	64.5	98.0	30.8	78.3	97.2	58.7	81.3	97.2	65.7	81.8	97.3	66.5	83.5	97.2	69.8
30 - 34	60.6	98.3	22.7	71.5	97.9	44.2	74.1	98.6	50.0	73.1	98.3	48.8	74.9	98.3	52.3
35 - 39	60.2	98.4	19.3	68.0	98.0	37.1	71.4	98.6	44.6	71.3	98.7	44.7	72.2	98.6	46.8
40 - 44	60.8	98.1	17.8	65.8	97.6	33.2	69.9	98.4	42.0	67.7	98.4	39.6	70.3	98.0	44.6
45 - 49	60.0	96.2	17.5	61.8	95.7	26.5	65.1	96.8	34.4	67.0	96.8	36.3	65.6	96.6	36.6
50 - 54	55.0	88.1	17.5	56.3	89.6	20.4	58.7	91.5	25.0	57.2	88.5	25.9	58.9	90.5	28.0
55 - 59	46.2	73.9	16.2	43.6	70.7	14.5	47.4	74.4	18.8	43.5	69.5	18.4	43.7	68.7	17.4
60 - 64	35.0	55.6	13.4	31.9	52.5	11.3	34.4	54.1	14.2	32.5	52.3	11.9	28.7	47.3	10.3
65 - 69	25.3	41.2	9.8	23.5	38.6	9.5	22.7	38.3	9.1	22.0	36.7	9.3	20.0	32.1	9.0
70 - 74	14.5	25.8	5.7	15.0	25.1	6.2	15.1	24.3	7.5	14.6	23.6	5.9	13.3	21.4	6.5
75 & Over	6.3	14.4	2.1	6.6	13.3	2.5	7.6	14.5	3.2	6.6	13.1	2.3	6.5	12.9	2.2

¹ Census of Population.

Source : Ministry of Labour

3.4 EMPLOYED PERSONS BY INDUSTRY, 1970, 1979-1986

Thousand

Industry ¹	1970 ²	1979	1980 ²	1981	1982	1983	1984	1985	1986
Total	650.9	1,021.0	1,077.1	1,112.7	1,140.6	1,167.6	1,174.8	1,154.3	1,149.0
Agriculture & Fishing	22.5	15.2	17.0	12.7	11.6	11.8	8.8	8.1	9.6
Quarrying	2.2	1.5	1.1	1.2	2.5	2.3	1.9	2.4	1.3
Manufacturing	143.1	294.7	324.1	326.1	336.0	324.4	322.2	293.8	290.1
Utilities	7.6	9.8	8.5	9.2	7.9	8.5	9.2	7.7	7.8
Construction	43.1	54.3	72.3	66.4	71.9	84.0	99.8	102.8	99.5
Commerce	152.6	237.4	229.8	252.6	253.6	265.0	264.6	271.1	265.6
Transport & Communications	79.0	118.9	119.9	127.6	129.8	131.9	122.4	117.0	114.1
Financial & Business Services	25.8	72.0	79.4	84.4	89.8	95.0	100.9	100.7	99.9
Other Services	174.6	216.4	224.6	229.7	235.5	243.1	242.2	248.3	259.2
Activities Not Adequately Defined	0.4	0.8	0.4	2.8	2.0	1.6	2.8	2.4	1.8

Note : Data prior to 1981 refer to persons aged 10 years and over.

From 1981, figures refer to persons aged 15 years and over.

Source : Ministry of Labour

1 Data for 1970 were classified according to the Singapore Standard Industrial Classification (SSIC) 1968, data for 1979 were classified according to SSIC 1973, and data for 1980-1986 were classified according to SSIC 1978.

2 Census of Population.

3.5 EMPLOYED PERSONS BY OCCUPATION, 1970, 1979-1986

Thousand

Occupation ¹	1970 ²	1979	1980 ²	1981	1982	1983	1984	1985	1986
Total	650.9	1,021.0	1,077.1	1,112.7	1,140.6	1,167.6	1,174.8	1,154.3	1,149.0
Professional & Technical Workers	56.1	87.6	95.1	98.6	106.3	111.4	119.1	120.5	126.4
Administrative, Managerial & Executive Workers	15.5	28.2	52.2	54.8	58.3	62.3	70.0	65.9	68.1
Clerical Workers	82.9	161.5	167.5	168.3	186.9	196.1	194.8	184.7	180.6
Sales Workers	102.6	156.0	132.0	162.3	153.2	161.9	162.0	165.9	155.6
Service Workers	88.8	113.5	112.2	122.6	124.3	126.1	130.0	131.1	136.5
Agricultural Workers & Fishermen	26.9	18.2	20.9	16.6	15.4	15.7	12.7	12.5	12.8
Production, Transport & Other Manual Workers	255.0	394.5	435.0	433.3	439.0	441.0	439.4	419.0	411.0
Workers Not Classifiable by Occupation	23.1	61.5	62.2	56.2	57.2	53.1	46.7	54.6	57.9

Note : See note to Table 3.4.

Source : Ministry of Labour

1 Data for 1970 were classified according to the Singapore Standard Occupational Classification (SSOC) 1968, data for 1979 were classified according to SSOC 1973, and data for 1980-1986 were classified according to SSOC 1978.

2 Census of Population.

3.6 EMPLOYED PERSONS AGED 15 AND OVER BY INDUSTRY AND OCCUPATION, 1986

Thousand

Occupation Industry	Total	Professional & Technical Workers	Administrative, Managerial & Executive Workers	Clerical Workers	Sales Workers	Services Workers	Agricultural Workers & Fishermen	Production, Transport & Other Manual Workers	Workers Not Classifiable by Occupation
Total	1,149.0	126.4	68.1	180.6	155.6	136.5	12.8	411.0	57.9
Agriculture & Fishing	9.6	0.3	0.4	0.3	-	0.4	7.8	0.5	-
Quarrying	1.3	0.2	0.1	0.4	-	0.1	-	0.6	-
Manufacturing	290.1	21.8	17.5	30.0	3.9	5.1	0.1	211.6	-
Utilities	7.8	2.0	0.1	1.2	-	0.3	0.2	4.1	-
Construction	99.5	7.4	3.2	6.4	0.2	0.4	0.1	80.4	1.4
Commerce	265.6	4.7	16.8	39.9	144.0	39.5	0.2	20.5	-
Transport & Communications	114.1	9.0	6.5	29.9	0.7	7.5	0.1	60.4	-
Financial & Business Services	99.9	15.3	15.9	43.3	6.1	11.7	1.6	6.1	-
Other Services	259.2	65.8	7.4	29.4	0.7	71.6	2.7	25.2	56.3
Activities Not Adequately Defined	1.8	-	-	-	-	-	-	1.7	0.2

Source : Ministry of Labour

3.7 GOVERNMENT EMPLOYEES BY DIVISIONAL STATUS

Divisional Status	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Total	Number										
	59,776	61,707	68,569	72,281	71,081	69,866	68,677	69,051	69,298	69,630	70,001
	4,670	5,034	7,159	7,603	7,796	8,068	8,467	8,911	9,547	10,158	11,047
	18,015	18,655	23,122	23,491	23,051	22,724	22,962	23,441	23,101	22,915	22,942
	20,842	21,782	22,517	25,317	24,892	23,947	22,778	22,162	22,251	22,369	21,963
	16,249	16,236	15,771	15,870	15,342	15,127	14,470	14,537	14,399	14,188	14,049
Total	Per Cent										
	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	7.8	8.2	10.5	10.5	11.0	11.5	12.3	12.9	13.8	14.6	15.8
	30.1	30.2	33.7	32.5	32.4	32.5	33.4	33.9	33.3	32.9	32.8
	34.9	35.3	32.8	35.0	35.0	34.3	33.2	32.1	32.1	32.1	31.4
	27.2	26.3	23.0	22.0	21.6	21.7	21.1	21.1	20.8	20.4	20.0

Note : Figures exclude daily-rated employees.

Source : Public Service Commission

3.8 EMPLOYED PERSONS BY GROSS MONTHLY INCOME

Thousand

Gross Monthly Income (\$)	1976	1977	1978	1979	1980 ¹	1981	1982	1983	1984	1985	1986
Total	870.4	903.9	958.9	1,021.0	1,072.9	1,087.4	1,114.0	1,141.8	1,151.2	1,131.6	1,127.5
Under 200	237.9	225.6	211.6	183.6	105.4	80.3	68.2	64.8	55.3	47.0	50.1
200 - 399	366.6	381.9	415.0	443.2	430.6	416.9	319.0	253.8	195.5	160.0	154.0
400 - 599	138.2	146.0	177.1	200.6	246.0	278.6	303.4	312.6	311.1	304.7	292.1
600 - 799	50.9	54.5	63.0	77.8	101.3	121.7	157.3	173.8	191.7	200.2	201.2
800 - 999	24.0	27.4	29.5	36.0	52.6	56.1	75.1	91.2	108.0	109.0	119.2
1,000 - 1,499	29.9	36.9	37.6	43.6	62.2	72.9	96.1	116.8	135.7	146.9	149.0
1,500 & Over	23.0	31.6	25.1	36.3	74.8	60.9	94.8	128.8	153.9	163.7	161.8

Note : See note to Table 3.4.

Figures from 1981 exclude unpaid family workers.

Source : Ministry of Labour

¹ Sample Enumeration in the 1980 Census of Population.

3.9 AVERAGE WEEKLY EARNINGS BY INDUSTRY AND OCCUPATION, 1978-1986

(As at August)

Dollars

Industry	Professional, Administrative, Managerial, Executive and Related Workers								
	1978	1979	1980	1981	1982	1983	1984	1985	1986
All Industries	319.69	341.86	377.88	410.86	482.48	519.81	564.48	535.62	545.03
Agriculture & Fishing	320.78	306.68	294.54	309.51	391.45	413.33	456.37	471.52	469.41
Quarrying & Construction	325.01	339.64	373.56	452.42	524.41	553.40	592.20	523.25	515.50
Manufacturing	415.22	424.47	447.73	484.47	513.57	550.66	588.18	511.21	516.79
Utilities	286.34	300.59	336.67	335.98	443.31	469.65	520.41	532.75	536.20
Commerce	377.31	416.21	480.83	518.43	561.19	576.85	604.64	561.99	571.54
Transport & Communications	479.16	505.73	513.03	523.21	592.86	651.76	681.66	563.80	578.72
Financial & Business Services	394.69	404.66	435.11	490.28	549.28	593.99	631.02	627.69	632.11
Other Services	228.86	251.26	283.99	294.30	390.81	425.19	481.87	494.83	511.17

Note : Prior to 1985, data were obtained from the Hours and Earnings Survey.
From 1985, they were obtained from Occupational Wages Surveys.
Data from 1985 are not strictly comparable with those of earlier years
because of the difference in coverage of the two surveys.

Source : Ministry of Labour

3.9 AVERAGE WEEKLY EARNINGS BY INDUSTRY AND OCCUPATION, 1978-1986 (continued)

(As at August)

Dollars

Industry	Clerical, Sales, Service and Related Workers									
	1978	1979	1980	1981	1982	1983	1984	1985	1986	
All Industries	108.49	116.57	130.83	143.98	162.25	173.60	188.46	199.08	203.58	
Agriculture & Fishing	104.12	93.39	104.11	120.28	141.80	147.99	170.69	186.83	196.36	
Quarrying & Construction	102.79	112.09	128.58	160.03	174.27	177.14	190.20	204.49	205.39	
Manufacturing	118.89	127.04	140.20	157.15	169.48	183.43	202.43	217.10	224.48	
Utilities	144.19	155.03	176.91	179.09	228.32	242.25	274.23	270.72	275.82	
Commerce	92.71	101.82	120.02	138.03	149.69	159.82	171.49	180.26	181.79	
Transport & Communications	116.93	129.25	144.12	157.83	184.52	196.65	212.35	240.87	248.41	
Financial & Business Services	120.71	129.92	143.29	148.59	163.41	175.93	194.63	190.34	194.24	
Other Services	109.85	113.26	122.61	128.04	156.90	168.42	183.00	191.73	196.62	

Note : Prior to 1985, data were obtained from the Hours and Earnings Survey. From 1985, they were obtained from Occupational Wages Surveys. Data from 1985 are not strictly comparable with those of earlier years because of the difference in coverage of the two surveys.

Source : Ministry of Labour

3.9 AVERAGE WEEKLY EARNINGS BY INDUSTRY AND OCCUPATION, 1978-1986 (continued)

(As at August)

Dollars

Industry	Production, Transport and Other Manual Workers								
	1978	1979	1980	1981	1982	1983	1984	1985	1986
All Industries	88.18	96.60	110.44	129.13	143.14	155.95	170.15	184.35	182.67
Agriculture & Fishing	74.45	85.75	89.83	95.89	114.59	118.48	136.57	140.57	141.83
Quarrying & Construction	97.69	105.00	122.20	156.41	169.54	166.03	175.78	231.06	212.44
Manufacturing	83.68	91.59	103.46	121.93	131.70	147.11	161.21	170.34	170.90
Utilities	110.82	121.17	138.88	142.78	186.22	198.83	224.80	229.89	222.95
Commerce	87.57	99.42	114.10	133.74	147.10	157.59	167.16	185.35	186.21
Transport & Communications	111.37	124.63	147.14	163.44	187.07	202.31	218.58	222.76	225.05
Financial & Business Services	84.08	92.79	108.08	128.95	143.01	148.89	165.50	216.12	204.98
Other Services	79.14	83.51	98.48	108.45	129.82	131.97	151.06	196.23	191.64

Note : Prior to 1985, data were obtained from the Hours and Earnings Survey. From 1985, they were obtained from Occupational Wages Surveys. Data from 1985 are not strictly comparable with those of earlier years because of the difference in coverage of the two surveys.

Source : Ministry of Labour

3.10 AVERAGE WEEKLY HOURS WORKED BY INDUSTRY

(As at August)

Hours

Industry	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
All Industries	45.4	45.6	45.9	45.8	45.9	45.6	45.4	45.6	45.6	44.6	44.8
Agriculture & Fishing	44.9	44.5	44.5	43.6	43.8	43.7	43.9	44.4	44.2	44.1	44.8
Quarrying	46.4	46.8	47.7	46.2	46.9	49.5	49.6	49.2	48.0	46.5	45.5
Manufacturing	47.8	48.2	48.5	48.0	48.0	48.1	47.6	48.1	47.8	46.5	46.9
Utilities	47.8	47.8	48.1	47.9	48.2	48.0	48.0	48.3	47.7	47.3	47.8
Construction	47.5	47.1	47.4	47.1	48.1	49.3	50.5	50.5	52.2	51.0	49.9
Commerce	44.3	44.3	44.2	44.2	44.1	44.1	44.0	43.9	43.5	43.3	43.0
Transport & Communications	45.4	46.6	47.2	46.7	47.1	47.4	46.8	46.5	46.0	45.1	45.8
Financial & Business Services	43.4	43.6	43.8	43.8	43.6	43.8	43.5	43.3	43.3	43.3	43.4
Other Services	42.2	42.1	41.7	42.1	42.0	39.7	39.9	39.9	39.4	39.2	39.9

Note : Data are compiled from the survey carried out in August each year.

Source : Ministry of Labour

3.11 REGISTRATION AT EMPLOYMENT SERVICE

Number

Year	Number on 'Live' Register ¹	New Registrants			Vacancies Notified			Vacancies Filled		
		Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
1976	30,750	22,413	13,004	9,409	26,408	14,395	12,013	9,483	6,879	2,604
1977	18,127	23,630	12,933	10,697	25,634	14,363	11,271	9,373	6,489	2,884
1978	15,244	24,208	14,021	10,187	27,904	17,697	10,207	7,888	5,425	2,463
1979	8,600	18,910	11,112	7,798	19,223	11,402	7,821	7,329	4,668	2,661
1980	6,305	13,815	8,260	5,555	25,723	15,772	9,951	5,576	3,381	2,195
1981	6,453	13,357	7,470	5,887	31,496	19,432	12,064	5,627	3,669	1,958
1982	6,661	13,518	7,611	5,907	21,908	13,052	8,856	5,432	3,446	1,986
1983	6,053	12,686	7,968	4,718	29,449	16,261	13,188	4,345	2,986	1,359
1984	6,026	11,162	6,928	4,234	25,632	14,974	10,658	3,743	2,268	1,475
1985	9,897	18,155	11,104	7,051	26,176	13,348	12,828	3,424	2,072	1,352
1986	8,910	18,345	12,997	5,348	38,242	18,262	19,980	2,863	2,049	814

¹ At end of period. From 1977, figures exclude those who already have jobs as confirmed by the Central Provident Fund Board's employment records.

Source : Ministry of Labour

3.12 CENTRAL PROVIDENT FUND CONTRIBUTORS BY AGE GROUP

(End of Period)

Age Group (Years)	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Thousand											
Total	677.8	713.6	779.4	832.9	863.6	917.9	927.5	917.9	943.0	889.6	912.0
Under 15	2.0	2.0	2.4	2.3	1.8	1.3	0.8	0.8	0.6	0.3	0.3
15 - 19	87.6	88.4	97.4	100.2	96.0	91.2	80.3	71.3	68.5	47.3	44.1
20 - 24	169.1	175.8	192.4	204.2	209.1	219.1	212.7	203.3	202.2	181.0	177.3
25 - 29	135.1	142.2	154.6	165.6	173.5	189.0	197.0	197.0	203.0	198.1	203.8
30 - 34	69.0	81.3	94.9	110.2	123.9	133.1	139.1	142.4	149.5	149.8	159.8
35 - 39	61.0	61.9	64.9	65.5	63.5	71.3	83.4	91.8	104.9	113.2	119.6
40 - 44	46.5	48.0	52.7	57.3	59.4	63.7	64.1	63.9	63.5	59.4	65.2
45 - 49	38.1	39.2	41.4	42.8	44.7	47.0	48.2	50.5	54.0	54.3	56.5
50 - 54	27.6	28.9	31.7	33.8	34.8	36.3	37.3	37.6	38.4	38.8	39.2
55 - 59	3.9	4.4	18.9	19.6	20.2	21.5	22.9	23.1	24.2	23.4	22.9
60 & Over	33.1	33.8	19.7	20.3	22.8	23.2	22.0	21.4	21.6	20.5	19.7
Not Stated	4.8	7.7	8.4	11.1	13.9	21.2	19.7	14.8	12.6	3.5	3.6
Per Cent											
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Under 15	0.3	0.3	0.3	0.3	0.2	0.1	0.1	0.1	0.1	-	-
15 - 19	12.9	12.4	12.5	12.0	11.1	9.9	8.7	7.8	7.3	5.3	4.8
20 - 24	24.9	24.6	24.7	24.5	24.2	23.9	22.9	22.1	21.4	20.4	19.4
25 - 29	19.9	19.9	19.8	19.9	20.1	20.6	21.2	21.5	21.5	22.3	22.4
30 - 34	10.2	11.4	12.2	13.2	14.4	14.5	15.0	15.5	15.9	16.8	17.5
35 - 39	9.0	8.7	8.3	7.9	7.4	7.8	9.0	10.0	11.1	12.7	13.1
40 - 44	6.9	6.7	6.8	6.9	6.9	6.9	6.9	7.0	6.7	6.7	7.2
45 - 49	5.6	5.5	5.3	5.1	5.2	5.1	5.2	5.5	5.7	6.1	6.2
50 - 54	4.1	4.1	4.1	4.1	4.0	4.0	4.0	4.1	4.1	4.4	4.3
55 - 59	0.6	0.6	2.4	2.4	2.3	2.4	2.5	2.5	2.6	2.6	2.5
60 & Over	4.9	4.7	2.5	2.4	2.6	2.5	2.4	2.3	2.3	2.3	2.2
Not Stated	0.7	1.1	1.1	1.3	1.6	2.3	2.1	1.6	1.3	0.4	0.4

Source : Central Provident Fund Board

3.13 CENTRAL PROVIDENT FUND CONTRIBUTORS BY WAGE LEVEL

(End of Period)

Monthly Wage Level (\$)	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
	Thousand										
Total	677.8	713.6	779.4	832.9	863.6	917.9	927.5	917.9	943.0	889.6	912.0
Below 100	23.0	22.5	23.9	20.4	12.4	9.6	7.9	6.5	7.6	5.5	5.6
100 - 199	110.4	103.2	86.1	66.9	51.3	39.9	60.8	27.8	27.9	19.1	18.2
200 - 299	175.0	185.3	203.8	184.1	135.9	115.4	81.7	77.4	73.1	57.4	55.1
300 - 399	101.7	109.9	117.1	138.3	165.8	134.2	108.2	85.0	64.8	56.6	60.6
400 - 499	68.3	74.9	82.6	96.0	100.2	129.7	119.1	110.7	91.6	81.3	82.0
500 - 599	50.0	52.7	60.6	73.5	85.8	88.6	91.8	102.5	105.6	101.1	101.7
600 - 799	57.7	63.2	77.9	93.9	107.7	127.4	129.4	140.0	153.5	150.7	157.2
800 - 999	29.0	32.7	40.8	51.6	64.2	79.0	89.2	97.3	102.0	101.2	105.3
1,000 - 1,199	16.3	18.2	22.9	29.4	37.8	51.4	56.7	67.0	75.8	74.9	75.6
1,200 - 1,499	15.4	17.4	21.0	25.2	31.0	43.8	56.8	62.1	71.5	70.0	73.2
1,500 - 1,999	11.1	12.5	16.6	22.6	30.4	40.4	47.0	55.6	66.3	65.2	67.5
2,000 - 2,499	] 13.2	] 15.1	8.1	9.6	10.9	17.7	24.1	29.6	35.7	36.2	36.8
2,500 - 2,999			4.0	5.0	6.5	9.1	13.1	17.0	19.6	20.7	21.5
3,000 & Over			6.8	8.7	12.4	18.3	27.3	32.2	43.4	45.9	47.9
Not Stated			7.2	7.7	11.3	13.4	14.4	7.2	4.6	3.8	3.8
			Per Cent								
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Below 100	3.4	3.1	3.1	2.5	1.4	1.0	0.9	0.7	0.8	0.6	0.6
100 - 199	16.3	14.5	11.0	8.0	6.0	4.4	6.6	3.0	3.0	2.1	2.0
200 - 299	25.8	26.0	26.2	22.1	15.7	12.6	8.8	8.4	7.7	6.5	6.0
300 - 399	15.0	15.4	15.0	16.6	19.2	14.6	11.7	9.3	6.9	6.4	6.6
400 - 499	10.1	10.5	10.6	11.5	11.6	14.1	12.8	12.1	9.7	9.1	9.0
500 - 599	7.4	7.4	7.8	8.8	9.9	9.6	9.9	11.2	11.2	11.4	11.2
600 - 799	8.5	8.9	10.0	11.3	12.5	13.9	13.9	15.2	16.3	16.9	17.2
800 - 999	4.3	4.6	5.2	6.2	7.4	8.6	9.6	10.6	10.8	11.4	11.6
1,000 - 1,199	2.4	2.5	2.9	3.5	4.4	5.6	6.1	7.3	8.0	8.4	8.3
1,200 - 1,499	2.3	2.4	2.7	3.0	3.6	4.8	6.1	6.8	7.6	7.9	8.0
1,500 - 1,999	1.6	1.8	2.1	2.7	3.5	4.4	5.1	6.1	7.0	7.3	7.4
2,000 - 2,499	] 1.9	] 2.1	1.1	1.2	1.3	1.9	2.6	3.2	3.8	4.1	4.0
2,500 - 2,999			0.5	0.6	0.8	1.0	1.4	1.8	2.1	2.3	2.4
3,000 & Over			0.9	1.1	1.4	2.0	2.9	3.5	4.6	5.2	5.3
Not Stated			0.9	0.9	1.3	1.5	1.6	0.8	0.5	0.4	0.4
			1.0	0.8	0.9	0.9	1.3	1.5	1.6	0.8	0.5

Source : Central Provident Fund Board

3.14 CENTRAL PROVIDENT FUND CONTRIBUTORS BY INDUSTRY

(End of Period)

Industry	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Thousand											
All Industries	677.8	713.6	779.4	832.9	863.6	917.9	927.5	917.9	943.0	889.6	912.0
Agriculture & Fishing	1.6	1.6	1.8	2.0	2.0	2.2	2.3	2.3	2.4	2.4	2.6
Quarrying	1.1	1.1	1.1	1.0	1.2	1.6	1.6	1.7	0.9	0.7	0.7
Manufacturing	217.0	230.4	259.1	280.7	284.2	292.2	274.6	261.0	283.0	251.4	271.1
Utilities	9.2	9.1	8.9	8.8	8.2	7.9	7.8	7.7	7.7	7.8	7.7
Construction	26.6	25.4	26.7	27.5	29.3	37.6	43.0	47.9	58.6	54.2	51.6
Commerce	139.5	149.8	166.3	179.1	187.9	203.5	212.7	210.6	208.3	194.1	195.4
Transport & Communications	72.4	78.4	87.5	92.2	95.2	98.6	98.0	95.1	93.3	90.3	90.0
Financial & Business Services	61.5	65.1	69.9	77.4	84.3	95.1	102.1	107.0	111.6	108.9	109.0
Other Services	145.6	151.9	157.0	162.5	165.8	170.3	175.3	174.3	176.7	179.8	183.9
Activities Not Adequately Defined	3.3	0.8	1.1	1.7	5.5	8.9	10.1	10.3	0.5	-	-
Per Cent											
All Industries	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Agriculture & Fishing	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3
Quarrying	0.2	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1
Manufacturing	32.0	32.3	33.3	33.7	32.9	31.8	29.6	28.4	30.0	28.3	29.7
Utilities	1.3	1.3	1.2	1.1	1.0	0.9	0.8	0.8	0.8	0.9	0.8
Construction	3.9	3.6	3.4	3.3	3.4	4.1	4.6	5.2	6.2	6.1	5.6
Commerce	20.6	21.0	21.3	21.5	21.8	22.2	22.9	22.9	22.1	21.8	21.4
Transport & Communications	10.7	11.0	11.2	11.1	11.0	10.7	10.6	10.4	9.9	10.1	9.9
Financial & Business Services	9.1	9.1	9.0	9.3	9.8	10.4	11.0	11.7	11.8	12.2	12.0
Other Services	21.5	21.3	20.2	19.5	19.2	18.5	18.9	19.0	18.8	20.2	20.2
Activities Not Adequately Defined	0.5	0.1	0.1	0.2	0.6	1.0	1.1	1.1	-	-	-

Source : Central Provident Fund Board

3.15 CENTRAL PROVIDENT FUND MEMBERS BY AGE GROUP

(End of Period)

Age Group (Years)	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Thousand											
Total	1,177.5	1,251.1	1,340.8	1,435.6	1,518.7	1,649.7	1,725.3	1,778.9	1,852.5	1,891.7	1,933.8
Under 15	2.6	2.6	3.1	3.1	2.8	2.0	1.3	1.3	1.1	0.6	0.4
15 - 19	147.8	152.4	163.7	172.7	174.2	177.0	164.8	150.9	141.2	118.3	97.9
20 - 24	286.2	297.0	308.4	322.5	333.5	357.2	367.5	368.6	369.9	355.0	337.6
25 - 29	226.5	244.3	264.5	286.7	305.0	334.9	353.2	362.8	374.7	383.3	389.3
30 - 34	123.5	146.4	168.5	197.2	227.3	252.1	271.4	290.6	310.4	327.0	345.7
35 - 39	112.5	116.6	121.4	123.1	121.3	138.3	163.2	184.4	212.3	242.2	261.2
40 - 44	82.6	86.5	94.9	105.2	112.2	123.8	128.0	131.8	132.3	130.2	144.5
45 - 49	66.5	69.5	72.8	77.1	82.4	88.7	92.9	101.2	111.1	118.4	128.0
50 - 54	48.3	51.7	56.0	60.6	64.0	68.3	71.4	74.2	78.0	84.0	88.8
55 & Over	61.7	64.8	66.3	69.6	77.3	82.0	86.6	88.3	94.7	105.5	112.6
Not Stated	19.3	19.3	21.2	17.8	18.7	25.4	25.0	24.8	26.8	27.2	27.8
Per Cent											
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Under 15	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	-	-
15 - 19	12.6	12.2	12.2	12.0	11.4	10.7	9.6	8.5	7.6	6.2	5.1
20 - 24	24.3	23.8	23.0	22.5	22.0	21.7	21.3	20.7	20.0	18.8	17.5
25 - 29	19.2	19.5	19.7	20.0	20.1	20.3	20.5	20.4	20.2	20.3	20.1
30 - 34	10.5	11.7	12.6	13.7	15.0	15.3	15.7	16.3	16.8	17.3	17.9
35 - 39	9.6	9.3	9.1	8.6	8.0	8.4	9.5	10.4	11.5	12.8	13.5
40 - 44	7.0	6.9	7.1	7.3	7.4	7.5	7.4	7.4	7.1	6.9	7.5
45 - 49	5.7	5.6	5.4	5.4	5.4	5.4	5.4	5.7	6.0	6.3	6.6
50 - 54	4.1	4.1	4.2	4.2	4.2	4.1	4.1	4.2	4.2	4.4	4.6
55 & Over	5.2	5.2	4.9	4.9	5.1	5.0	5.0	4.9	5.1	5.6	5.8
Not Stated	1.6	1.5	1.6	1.2	1.2	1.5	1.4	1.4	1.4	1.4	1.4

Note : Data refer to all persons on the Central Provident Fund Board register.

Source : Central Provident Fund Board

3.16 CENTRAL PROVIDENT FUND MEMBERS BY BALANCES

(End of Period)

Balance (\$)	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Thousand											
Total	1,177.5	1,251.1	1,340.8	1,435.6	1,518.7	1,649.7	1,725.3	1,778.9	1,852.5	1,891.7	1,933.8
Below 200	262.5	266.8	275.8	267.6	259.5	267.9	244.8	241.9	237.1	222.6	226.6
200 - 399	110.5	112.9	116.0	110.4	104.0	115.5	112.8	110.9	113.7	110.3	110.9
400 - 599	73.5	75.1	78.2	79.1	72.2	76.0	75.0	73.6	77.0	76.5	77.4
600 - 799	57.5	59.8	61.7	63.3	58.1	58.4	58.8	56.9	58.5	58.5	59.9
800 - 999	48.0	49.6	51.5	53.2	49.7	48.7	47.6	47.1	48.2	48.3	49.5
1,000 - 1,999	172.1	168.9	179.0	188.0	184.6	172.3	168.3	159.3	164.6	162.9	167.4
2,000 - 2,999	104.9	110.5	113.8	123.5	131.4	124.6	116.1	106.5	110.5	107.5	106.7
3,000 - 3,999	73.5	76.8	82.1	89.6	100.0	102.5	94.1	84.9	87.6	83.2	83.0
4,000 - 5,999	89.7	103.9	110.3	123.7	139.3	156.5	148.6	136.9	139.6	136.0	131.9
6,000 - 7,999	52.2	61.3	72.4	80.3	93.5	109.1	117.5	109.8	107.8	108.3	104.9
8,000 - 9,999	34.4	39.6	46.3	57.6	65.8	79.4	91.7	92.0	88.6	87.6	86.5
10,000 - 19,999	66.3	82.7	97.0	122.2	154.4	193.9	242.5	276.8	284.5	289.3	285.2
20,000 - 29,999	16.9	21.6	27.4	37.0	50.7	67.0	94.4	121.4	134.2	149.9	159.5
30,000 & Over	15.5	21.6	29.3	40.1	55.5	77.9	113.1	160.9	200.6	250.8	284.4
Per Cent											
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Below 200	22.3	21.3	20.6	18.6	17.1	16.2	14.2	13.6	12.8	11.8	11.7
200 - 399	9.4	9.0	8.7	7.7	6.8	7.0	6.5	6.2	6.1	5.8	5.7
400 - 599	6.3	6.0	5.8	5.5	4.8	4.6	4.3	4.1	4.2	4.0	4.0
600 - 799	4.9	4.8	4.6	4.4	3.8	3.5	3.4	3.2	3.2	3.1	3.1
800 - 999	4.1	4.0	3.8	3.7	3.3	3.0	2.8	2.6	2.6	2.6	2.6
1,000 - 1,999	14.6	13.5	13.3	13.1	12.2	10.4	9.8	9.0	8.9	8.6	8.7
2,000 - 2,999	8.9	8.8	8.5	8.6	8.7	7.6	6.7	6.0	6.0	5.7	5.5
3,000 - 3,999	6.2	6.1	6.1	6.3	6.6	6.2	5.4	4.8	4.7	4.4	4.3
4,000 - 5,999	7.6	8.3	8.2	8.6	9.2	9.5	8.6	7.7	7.5	7.2	6.8
6,000 - 7,999	4.4	4.9	5.4	5.6	6.1	6.6	6.8	6.2	5.8	5.7	5.4
8,000 - 9,999	2.9	3.2	3.5	4.0	4.3	4.8	5.3	5.2	4.8	4.6	4.5
10,000 - 19,999	5.6	6.6	7.2	8.5	10.2	11.8	14.1	15.6	15.4	15.3	14.8
20,000 - 29,999	1.5	1.7	2.0	2.6	3.3	4.1	5.5	6.8	7.2	7.9	8.2
30,000 & Over	1.3	1.8	2.3	2.8	3.6	4.7	6.6	9.0	10.8	13.3	14.7

Source : Central Provident Fund Board

3.17 ENROLMENT FOR COURSES CONDUCTED BY THE NATIONAL PRODUCTIVITY BOARD, 1982-1986

Number

	1982	1983	1984	1985	1986
TOTAL	8,788	11,339	12,735	10,262	10,809
Management & Supervisory Development	6,204	6,952	7,215	6,410	4,956
Diploma Programmes	956	869	1,075	924	1,138
Management Development	956	869	1,075	924	1,138
Certificate Programmes	856	825	1,597	1,698	1,103
Functional Management	71	78	169	542	-
People Management	-	89	162	185	1,103
Supervisory Management	785	658	1,266	971	-
Management Skills Programmes	4,392	5,258	4,543	3,788	2,715
People Management	720	811	661	877	-
Functional Management	1,111	1,471	1,231	327	2,715
Supervisory Development	2,561	2,976	2,423	388	-
Productivity Training	-	-	228	2,196	-
Labour-Management Relations	1,228	2,195	3,131	2,238	4,586
Quality Control Circles	1,117	1,548	2,060	1,503	4,062
Work Excellence	111	240	479	163	126
Joint NPB-NTUC Union Leaders Training	-	376	436	210	211
Teambuilding for Higher Productivity	-	31	156	272	95
Labour-Management Relations Practices	-	-	-	20	82
Total Quality Control	-	-	-	28	-
Joint Consultation	-	-	-	42	10
Others	1,356	2,192	2,389	1,614	1,267
Occupational Safety & Health	1,308	2,085	2,135	1,572	1,242
National Productivity Association	48	107	181	-	-
Productivity Education Programme	-	-	73	42	25

Source : National Productivity Board

3.18 PARTICIPANTS IN SEMINARS AND WORKSHOPS, 1982-1986

	Number				
	1982	1983	1984	1985	1986
Total	6,280	18,264	23,172	17,906	13,491
Management & Supervisory Development	987	3,087	3,075	2,198	3,250
Quality Control Circles	4,933	11,234	15,430	10,914	9,294
Labour Management Co-operation	167	2,881	2,463	3,216	409
Others (including Occupational Safety & Health)	193	1,062	2,204	1,578	538

Source : National Productivity Board

3.19 QUALITY CONTROL CIRCLES, 1982-1986

(End of Period)

	Number				
	1982	1983	1984	1985	1986
Registered Quality Control Circles	354	1,460	2,534	3,519	4,670
Organisations (Companies, Government Bodies, & Statutory Boards)	44	98	128	143	156
Membership	2,682	10,861	18,723	25,670	33,971

Source : National Productivity Board

3.20 TRADE UNIONS AND MEMBERSHIP

Number

End of Year	Employee Class		Employer Class	
	Unions	Members	Unions	Members
1976	91	221,936	51	6,852
1977	90	229,056	51	6,961
1978	89	236,907	50	6,775
1979	85	249,710	50	6,798
1980	83	243,841	49	6,816
1981	86	224,362	47	6,798
1982	89	214,337	45	7,008
1983	90	205,155	42	6,579
1984	86	192,394	7	997
1985	84	201,132	5	1,170
1986	83	200,613	5	1,146

Source : Ministry of Labour

3.21 INDUSTRIAL STOPPAGES AND TRADE DISPUTES

Year	Industrial Stoppages			Trade Disputes ¹
	Number	Workers Involved	Man-days Lost	Number
1976	4	1,576	3,193	694
1977	1	406	1,011	640
1978	-	-	-	548
1979	-	-	-	577
1980	-	-	-	484
1981	-	-	-	392
1982	-	-	-	311
1983	-	-	-	353
1984	-	-	-	338
1985	-	-	-	340
1986	1	61	122	317

¹ From 1979, figures exclude "refusal to negotiate" and "union recognition" cases as they were not classified as trade disputes from then.

Source : Ministry of Labour

4 NATIONAL INCOME AND BALANCE OF PAYMENTS

4 NATIONAL INCOME AND BALANCE OF PAYMENTS

National Accounts

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

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 well as the consumption of fixed capital of establishments as recorded in national accounts, accrues to foreigners and foreign enterprises.

As such, per capita GNP as conventionally defined on a residential basis is not a true reflection of the income of Singaporeans. Hence a new 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 GDP. The

indigenous per capita GNP for the years 1973 and 1974 were evaluated and accepted by the International Monetary Fund (IMF) and used as the basis for classifying Singapore as a developing country.

Definitions

Gross National Product : The aggregate value of output produced by productive factors owned by Singapore residents irrespective of whether they are located within Singapore's geographical boundary or abroad.

Indigenous Gross National Product : The aggregate value of output produced by Singaporeans.

Gross Domestic Product : The aggregate value of output produced within the domestic territory of Singapore.

Expenditure on Gross Domestic Product : The sum of private consumption expenditure of households including non-profit making institutions, government consumption expenditure, gross capital formation and net exports to the rest of the world.

Output and Expenditure GDP Deflators :

The ratios of current price estimates to the corresponding estimates at prices in the base year (1968 in the present series). They measure implicitly the price changes in the current price aggregates since the base year.

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

Balance of Payments

Singapore's balance of payments records all economic transactions between residents of Singapore and residents of the rest of the world (non-residents). The methods used in the compilation are based on the principles recommended in the Balance of Payments Manual published by the IMF. The estimates are compiled mainly from trade and shipping statistics, data obtained from regular surveys of companies, administrative records of government departments and statutory authorities.

Transactions entered into Singapore's balance of payments are classified under three main categories, viz :

- (a) Transactions in goods and services such as exports and imports of merchandise, receipts from services rendered to or payments for services received from non-residents;
- (b) Unrequited transfers which record private remittances to and from abroad as well as government receipts of grants from and payments of pensions and compensation to non-residents;
- (c) Private and official financial transactions involving changes in Singapore's foreign assets and liabilities.

Transactions in goods and services and unrequited transfers which are related to Singapore's current income and expenditure are grouped in the current account, whereas private and official financial transactions which affect Singapore's claims on and liabilities to non-residents are classified in the capital account.

The studies to improve the compilation of the balance of payments estimates are still continuing and the estimates will be revised accordingly as and when appropriate.

4.1 INDIGENOUS GROSS NATIONAL PRODUCT

(At Current Market Prices)

Million Dollars

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986*
Total Gross Domestic Product	14,651	16,039	17,830	20,523	25,091	29,339	32,670	36,733	40,048	38,521	37,774
Share of Resident Foreigners & Resident Foreign Companies in GDP	3,289	3,431	4,616	6,220	7,537	8,160	8,466	8,713	9,428	9,202	8,807
Indigenous GDP	11,362	12,608	13,214	14,303	17,554	21,179	24,204	28,020	30,620	29,319	28,967
Net Factor Receipts of Singaporeans from Rest of the World	711	743	911	1,287	1,485	1,726	2,014	2,198	2,762	3,234	3,751
Indigenous GNP	12,073	13,351	14,125	15,590	19,039	22,905	26,218	30,218	33,382	32,553	32,718
Per Capita Indigenous GNP (S\$)	5,496	6,011	6,303	6,892	8,343	9,869	11,116	12,608	13,732	13,198	13,088

4.2 OUTPUT, SAVING AND INVESTMENT

(At Current Market Prices)

Million Dollars

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986*
Gross National Product											
Gross National Product at Market Prices	14,569.6	15,851.7	17,787.4	20,444.1	24,188.5	28,191.2	31,775.7	36,561.1	40,815.1	39,921.0	39,185.2
Gross Domestic Product at Factor Cost	13,661.9	14,916.8	16,554.7	18,975.6	23,271.9	27,166.7	30,190.4	33,718.8	36,551.7	35,217.0	35,180.5
Indirect Taxes	989.0	1,122.2	1,275.7	1,547.4	1,818.8	2,172.7	2,479.5	3,014.0	3,496.2	3,304.1	2,593.1
Net Factor Income from Abroad	-81.3	-187.3	-43.0	-78.9	-902.2	-1,148.2	-894.2	-171.7	767.2	1,399.9	1,411.6
Generation of Gross National Saving											
Gross National Saving	4,579.9	5,079.3	5,928.4	7,299.8	8,400.3	10,916.5	13,078.9	16,243.7	18,826.4	16,793.8	16,134.4
Gross Domestic Saving	4,782.3	5,374.9	6,059.8	7,454.8	9,411.8	12,194.7	14,218.2	16,804.8	18,494.0	15,768.9	15,064.6
Gross Domestic Product at Market Prices	14,650.9	16,039.0	17,830.4	20,523.0	25,090.7	29,339.4	32,669.9	36,732.8	40,047.9	38,521.1	37,773.6
Less : Private & Government											
Consumption Expenditure	10,147.4	10,984.9	12,113.8	13,278.8	15,358.7	17,117.9	18,852.9	20,197.4	21,888.3	22,639.0	22,495.6
Statistical Discrepancy	278.8	320.8	343.2	210.6	-320.2	-26.8	401.2	269.4	334.4	-113.2	-213.4
Net Factor Income from Abroad	-81.3	-187.3	-43.0	-78.9	-902.2	-1,148.2	-894.2	-171.7	767.2	1,399.9	1,411.6
Net Transfers from Abroad	-121.1	-108.3	-88.4	-76.1	-109.3	-130.0	-245.1	-389.4	-434.8	-375.0	-341.8
Finance of Gross Capital Formation											
Gross Capital Formation	5,981.7	5,799.1	6,957.4	8,899.9	11,627.6	13,828.2	15,658.8	17,468.6	19,607.0	16,826.2	15,091.5
Gross National Saving	4,579.9	5,079.3	5,928.4	7,299.8	8,400.3	10,916.5	13,078.9	16,243.7	18,826.4	16,793.8	16,134.4
Net Borrowing from/Lending (-) to Abroad	1,401.8	719.8	1,029.0	1,600.1	3,227.3	2,911.7	2,579.9	1,224.9	780.6	32.4	-1,042.9

4.3 GROSS DOMESTIC PRODUCT BY INDUSTRY

Million Dollars

Industry	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986*
At Current Market Prices											
Total	14,650.9	16,039.0	17,830.4	20,523.0	25,090.7	29,339.4	32,669.9	36,732.8	40,047.9	38,521.1	37,773.6
Agriculture & Fishing	256.8	283.1	273.7	295.2	322.0	356.2	349.1	349.7	358.5	309.1	258.4
Quarrying	56.2	49.1	38.4	42.9	82.7	105.2	128.9	143.0	132.9	111.8	83.6
Manufacturing	3,687.2	4,090.8	4,700.7	5,837.4	7,476.0	8,571.5	8,396.2	9,182.5	10,190.2	9,485.1	10,132.9
Utilities	273.7	291.9	351.5	424.7	557.8	484.9	601.4	703.2	773.5	796.6	845.4
Construction	1,205.1	1,200.3	1,122.2	1,242.6	1,624.4	2,178.8	3,164.8	4,224.8	4,966.0	4,250.3	3,123.8
Commerce	3,815.2	4,232.1	4,631.0	5,135.9	5,717.9	6,289.4	6,921.6	7,286.2	7,500.4	7,113.3	6,901.7
Transport & Communications	1,795.5	2,123.6	2,616.8	2,920.3	3,595.6	4,139.9	4,570.9	5,058.2	5,410.7	5,429.1	5,813.8
Financial & Business Services	2,233.0	2,349.9	2,581.6	3,144.4	4,296.0	5,755.9	6,653.9	7,579.8	8,541.8	8,905.6	8,805.1
Other Services	1,679.4	1,746.8	1,911.9	2,149.1	2,402.4	2,808.3	3,511.5	4,001.2	4,487.2	4,848.6	4,744.4
Less : Imputed Bank Service Charge	611.6	632.7	737.6	1,039.2	1,410.9	1,778.6	2,109.9	2,306.8	2,827.4	3,196.5	3,329.1
Add : Import Duties	260.4	304.1	340.2	369.7	426.8	427.9	481.5	511.0	514.1	468.1	393.6
At 1968 Market Prices											
Total	9,447.4	10,193.2	11,074.0	12,114.1	13,366.5	14,695.2	15,627.5	16,869.8	18,261.5	17,924.9	18,256.8
Agriculture & Fishing	154.9	156.5	155.4	160.7	164.5	165.8	155.6	158.3	164.3	143.9	127.3
Quarrying	43.1	42.0	36.4	41.5	44.9	58.4	73.8	89.1	87.6	80.9	68.4
Manufacturing	2,084.6	2,261.4	2,507.1	2,873.3	3,183.4	3,486.4	3,322.4	3,416.8	3,750.3	3,498.8	3,745.8
Utilities	244.4	276.1	326.1	355.8	381.1	407.6	423.0	457.5	491.7	516.4	565.4
Construction	591.3	578.4	536.1	575.0	630.3	741.4	1,036.2	1,340.8	1,554.7	1,370.9	1,009.6
Commerce	2,450.8	2,642.9	2,827.5	3,035.6	3,263.1	3,452.4	3,661.9	3,836.3	4,054.1	3,970.2	3,930.3
Transport & Communications	1,399.3	1,629.9	1,885.3	2,149.3	2,440.7	2,781.6	3,070.0	3,308.6	3,626.1	3,739.3	4,163.1
Financial & Business Services	1,573.2	1,651.9	1,769.7	1,988.7	2,472.2	2,941.9	3,222.0	3,626.4	4,118.8	4,503.1	4,692.8
Other Services	1,171.7	1,208.2	1,305.6	1,384.2	1,441.7	1,533.2	1,693.4	1,849.8	1,941.9	2,006.0	2,094.3
Less : Imputed Bank Service Charge	429.5	435.7	471.3	660.9	893.6	1,102.2	1,283.2	1,460.7	1,777.2	2,130.4	2,320.0
Add : Import Duties	163.6	181.6	196.1	210.9	238.2	228.7	252.4	246.9	249.2	225.8	179.8

4.4 QUARTERLY GROSS DOMESTIC PRODUCT BY INDUSTRY

(At 1968 Market Prices)

Million Dollars

Period	Total	Agriculture & Fishing	Quarrying	Manufacturing	Utilities	Construction	Commerce	Transport & Communications	Financial & Business Services	Other Services	Less Imputed Bank Service Charge	Add Import Duties
1981												
1st Qtr	3,480.7	42.2	13.7	800.3	94.6	158.8	826.5	653.4	698.1	382.0	253.7	64.8
2nd Qtr	3,605.0	40.0	14.2	891.7	101.8	173.9	826.0	674.8	720.4	374.5	261.5	49.2
3rd Qtr	3,765.9	41.2	14.2	899.3	106.0	188.7	878.1	722.6	759.3	378.7	276.1	53.9
4th Qtr	3,843.6	42.4	16.3	895.1	105.2	220.0	921.8	730.8	764.1	398.0	310.9	60.8
1982												
1st Qtr	3,756.2	40.0	15.5	825.9	98.5	216.9	886.1	739.9	763.1	408.3	303.4	65.4
2nd Qtr	3,837.5	37.9	16.8	853.6	106.1	250.2	876.7	760.8	792.5	412.7	326.1	56.3
3rd Qtr	3,964.1	38.7	20.0	837.9	109.5	275.0	928.1	783.7	812.7	427.8	331.2	61.9
4th Qtr	4,069.7	39.0	21.5	805.0	108.9	294.1	971.0	785.6	853.7	444.6	322.5	68.8
1983												
1st Qtr	3,993.3	40.1	22.0	773.8	104.0	285.3	924.8	788.5	872.3	463.7	345.4	64.2
2nd Qtr	4,141.9	38.4	22.5	846.9	116.5	333.2	915.0	818.9	904.2	448.5	360.9	58.7
3rd Qtr	4,292.5	39.6	21.4	879.5	119.5	347.3	971.1	844.3	917.7	461.9	370.0	60.2
4th Qtr	4,442.1	40.2	23.2	916.6	117.5	375.0	1,025.4	856.9	932.2	475.7	384.4	63.8
1984												
1st Qtr	4,418.3	40.2	20.5	873.7	114.2	376.5	978.8	869.6	1,002.0	499.3	424.2	67.7
2nd Qtr	4,513.0	40.4	21.5	958.4	123.4	391.2	958.2	917.6	1,008.9	477.8	441.1	56.7
3rd Qtr	4,628.7	40.3	23.1	959.8	126.9	398.2	1,020.4	915.7	1,048.9	483.7	451.6	63.3
4th Qtr	4,701.5	43.4	22.5	958.4	127.2	388.8	1,096.7	923.2	1,059.0	481.1	460.3	61.5
1985												
1st Qtr	4,536.6	39.9	20.9	850.8	124.3	385.3	1,016.8	915.1	1,104.0	526.4	513.3	66.4
2nd Qtr	4,456.3	35.5	20.7	898.6	130.7	340.2	974.8	931.1	1,105.3	486.5	517.4	50.3
3rd Qtr	4,488.6	34.3	21.4	891.4	131.2	347.5	971.7	938.8	1,144.9	494.4	542.2	55.2
4th Qtr	4,443.4	34.2	17.9	856.0	130.2	297.9	1,006.9	954.3	1,148.9	498.7	557.5	53.9
1986*												
1st Qtr	4,393.9	33.1	16.0	787.5	129.1	273.6	951.8	1,032.4	1,140.9	528.8	556.6	57.3
2nd Qtr	4,481.9	31.5	16.2	947.0	140.8	273.8	952.1	1,002.9	1,153.8	499.5	571.6	35.9
3rd Qtr	4,662.2	31.1	17.8	1,000.2	147.1	239.9	984.4	1,072.1	1,188.1	523.1	582.8	41.2
4th Qtr	4,718.8	31.6	18.4	1,011.1	148.4	222.3	1,042.0	1,055.7	1,210.0	542.9	609.0	45.4

4.5 GROSS DOMESTIC PRODUCT DEFLATORS BY INDUSTRY

(1968 = 100)

Industry	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986*
Total	155.1	157.3	161.0	169.4	187.7	199.7	209.1	217.7	219.3	214.9	206.9
Agriculture & Fishing	165.8	180.9	176.1	183.7	195.7	214.8	224.4	220.9	218.2	214.8	203.0
Quarrying	130.4	116.9	105.5	103.4	184.2	180.1	174.7	160.5	151.7	138.2	122.2
Manufacturing	176.9	180.9	187.5	203.2	234.8	245.9	252.7	268.7	271.7	271.1	270.5
Utilities	112.0	105.7	107.8	119.4	146.4	119.0	142.2	153.7	157.3	154.3	149.5
Construction	203.8	207.5	209.3	216.1	257.7	293.9	305.4	315.1	319.4	310.0	309.4
Commerce	155.7	160.1	163.8	169.2	175.2	182.2	189.0	189.9	185.0	179.2	175.6
Transport & Communications	128.3	130.3	138.8	135.9	147.3	148.8	148.9	152.9	149.2	145.2	139.7
Financial & Business Services	141.9	142.3	145.9	158.1	173.8	195.7	206.5	209.0	207.4	197.8	187.6
Other Services	143.3	144.6	146.4	155.3	166.6	183.2	207.4	216.3	231.1	241.7	226.5

Note : Refers to Gross Domestic Product at Market Prices.

4.6 EXPENDITURE ON GROSS DOMESTIC PRODUCT

Million Dollars

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986*	
	At Current Market Prices											
	Total	14,650.9	16,039.0	17,830.4	20,523.0	25,090.7	29,339.4	32,669.9	36,732.8	40,047.9	38,521.1	37,773.6
	Private Consumption Expenditure	8,605.9	9,268.6	10,149.1	11,245.2	12,911.3	14,329.3	15,282.5	16,202.1	17,569.5	17,518.8	17,927.8
	Government Consumption Expenditure	1,541.5	1,716.3	1,964.7	2,033.6	2,447.4	2,788.6	3,570.4	3,995.3	4,318.8	5,120.2	4,567.8
	Gross Fixed Capital Formation	5,287.8	5,457.7	6,365.1	7,519.6	10,203.1	12,784.7	15,505.7	17,803.6	19,211.9	16,223.7	14,020.1
	Increase in Stocks	693.9	341.4	592.3	1,380.3	1,424.5	1,043.5	153.1	-335.0	395.1	602.5	1,071.4
	Less : Net Imports of Goods & Services	1,199.4	424.2	897.6	1,445.1	2,215.8	1,633.5	1,440.6	663.8	1,113.0	1,057.3	26.9
	Statistical Discrepancy	-278.8	-320.8	-343.2	-210.6	320.2	26.8	-401.2	-269.4	-334.4	113.2	213.4
	At 1968 Market Prices											
	Total	9,447.4	10,193.2	11,074.0	12,114.1	13,366.5	14,695.2	15,627.5	16,869.8	18,261.5	17,924.9	18,256.8
Private Consumption Expenditure	5,895.9	6,220.2	6,636.1	7,101.5	7,577.1	8,005.2	8,390.5	8,857.8	9,380.4	9,333.4	9,763.2	
Government Consumption Expenditure	1,015.3	1,108.9	1,236.5	1,218.7	1,337.9	1,408.4	1,562.0	1,720.6	1,789.9	2,144.4	2,041.7	
Gross Fixed Capital Formation	2,995.3	3,051.3	3,481.2	3,929.4	4,732.0	5,476.9	6,556.5	7,075.2	7,614.5	6,608.4	5,824.2	
Increase in Stocks	379.1	178.4	304.8	605.0	518.4	277.3	87.6	-57.9	101.6	140.2	356.3	
Less : Net Imports of Goods & Services	771.4	305.5	521.7	570.8	605.6	363.9	791.9	591.2	470.7	299.1	2.3	
Statistical Discrepancy	-66.8	-60.1	-62.9	-169.7	-193.3	-108.7	-177.2	-134.7	-154.2	-2.4	273.7	

4.7 DEFLATORS OF EXPENDITURE ON GROSS DOMESTIC PRODUCT
(1968 = 100)

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986*
Total	155.1	157.3	161.0	169.4	187.7	199.7	209.1	217.7	219.3	214.9	206.9
Private Consumption Expenditure	146.0	149.0	152.9	158.3	170.4	179.0	182.1	182.9	187.3	187.7	183.6
Government Consumption Expenditure	151.8	154.8	158.9	166.9	182.9	198.0	228.6	232.2	241.3	238.8	223.7
Gross Fixed Capital Formation	176.5	178.9	182.8	191.4	215.6	233.4	236.5	251.6	252.3	245.5	240.7
Exports of Goods & Services	190.9	198.6	202.5	225.2	260.2	276.0	278.8	263.0	244.1	239.8	217.5
Imports of Goods & Services	188.9	197.4	201.6	226.0	262.9	278.6	275.8	259.7	244.0	241.0	217.6

4.8 PRIVATE CONSUMPTION EXPENDITURE

Million Dollars

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986*
Total	At Current Market Prices										
	8,605.9	9,268.6	10,149.1	11,245.2	12,911.3	14,329.3	15,282.5	16,202.1	17,569.5	17,518.8	17,927.8
	2,733.7	2,967.0	3,163.4	3,476.6	3,997.5	4,561.8	4,800.1	4,932.0	5,185.9	5,121.5	5,118.8
	809.2	877.2	979.9	1,117.0	1,240.7	1,408.4	1,555.2	1,681.8	1,665.1	1,569.4	1,758.2
	1,007.4	1,067.6	1,129.9	1,219.7	1,390.4	1,493.1	1,623.4	1,745.3	1,976.6	2,184.9	2,254.7
	857.9	926.3	1,006.6	1,114.5	1,322.9	1,525.8	1,602.1	1,719.3	1,943.2	2,015.3	1,979.0
	269.3	298.3	326.4	350.9	411.7	445.3	502.8	567.4	643.1	702.2	794.3
	1,119.8	1,325.4	1,526.0	1,820.4	2,198.3	2,345.5	2,560.2	2,743.1	2,816.7	2,678.7	2,582.3
	1,056.6	1,144.7	1,379.4	1,647.7	1,802.7	2,153.8	2,229.1	2,421.0	2,543.0	2,419.4	2,796.3
	1,805.1	1,942.9	2,205.5	2,565.0	3,133.1	3,638.4	3,684.4	3,829.6	3,910.1	3,562.4	3,687.0
	357.9	397.5	440.1	475.2	585.7	651.2	843.3	973.4	1,049.5	1,103.5	1,156.3
	1,411.0	1,678.3	2,008.1	2,541.8	3,171.7	3,894.0	4,118.1	4,410.8	4,163.7	3,838.5	4,199.1
	At 1968 Market Prices										
Total	5,895.9	6,220.2	6,636.1	7,101.5	7,577.1	8,005.2	8,390.5	8,857.8	9,380.4	9,333.4	9,763.2
Food & Beverages	1,802.2	1,887.4	1,961.6	2,098.4	2,245.5	2,337.5	2,368.0	2,415.9	2,503.8	2,518.9	2,559.8
Clothing & Footwear	553.9	598.8	651.7	718.1	793.8	906.2	986.8	1,033.1	1,037.9	998.0	1,146.4
Rent & Utilities	635.6	668.2	700.8	726.7	756.6	786.0	823.9	870.6	977.5	1,089.2	1,164.7
Furniture & Household Equipment	574.1	593.0	615.0	658.0	751.8	834.3	840.1	893.4	1,012.1	1,046.5	1,009.8
Medical Services	182.3	201.0	211.3	220.4	229.5	234.7	252.1	258.2	265.4	288.2	328.4
Transport & Communications	786.1	919.1	1,028.1	1,180.1	1,307.8	1,383.8	1,431.4	1,499.5	1,483.2	1,360.5	1,342.0
Recreation & Education	819.8	879.2	1,007.0	1,178.1	1,300.7	1,547.6	1,713.8	1,961.0	2,015.2	1,928.8	2,251.9
Other Goods & Services	1,263.4	1,333.0	1,485.8	1,626.8	1,750.3	1,834.1	1,879.3	1,985.6	2,057.9	1,907.1	1,991.4
Add : Residents' Expenditure Abroad	245.2	266.8	287.8	300.1	328.5	342.9	421.1	466.3	493.3	518.6	543.7
Less : Non-residents' Expenditure Locally	966.7	1,126.3	1,313.0	1,605.2	1,887.4	2,201.9	2,326.0	2,525.8	2,465.9	2,322.4	2,574.9

4.9 GROSS FIXED CAPITAL FORMATION

Million Dollars

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986*	
	At Current Market Prices											
	Total	5,287.8	5,457.7	6,365.1	7,519.6	10,203.1	12,784.7	15,505.7	17,803.6	19,211.9	16,223.7	14,020.1
	Construction & Works	2,375.5	2,405.9	2,495.9	2,943.2	4,309.5	6,107.1	8,280.1	11,125.0	12,098.4	9,733.0	7,519.9
	Residential Buildings	1,180.1	1,245.7	1,045.2	1,017.3	1,438.4	2,060.7	3,395.5	5,606.9	6,653.5	5,167.2	3,481.5
	Non-residential Buildings	679.1	670.4	963.4	1,405.3	2,069.7	3,149.4	3,912.4	4,495.0	4,282.0	3,203.3	2,054.4
	Other Construction & Works	516.3	489.8	487.3	520.6	801.4	897.0	972.2	1,023.1	1,162.9	1,362.5	1,984.0
	Transport Equipment	1,034.7	1,269.3	1,525.9	1,955.9	2,300.5	2,207.8	2,595.9	2,435.5	2,376.1	1,915.7	1,677.5
	Machinery & Equipment	1,877.6	1,782.5	2,343.3	2,620.5	3,593.1	4,469.8	4,629.7	4,243.1	4,737.4	4,575.0	4,822.7
	At 1968 Market Prices											
	Total	2,995.3	3,051.3	3,481.2	3,929.4	4,732.0	5,476.9	6,556.5	7,075.2	7,614.5	6,608.4	5,824.2
Construction & Works	1,101.2	1,110.8	1,122.4	1,253.7	1,521.6	1,940.4	2,706.8	3,614.6	4,028.3	3,255.1	2,534.0	
Residential Buildings	547.1	585.3	480.1	448.8	505.9	648.8	1,125.8	1,855.5	2,223.2	1,707.5	1,118.8	
Non-residential Buildings	314.7	303.7	433.1	593.2	731.7	1,003.4	1,271.5	1,429.3	1,420.7	1,085.3	717.1	
Other Construction & Works	239.4	221.8	209.2	211.7	284.0	288.2	309.5	329.8	384.4	462.3	698.1	
Transport Equipment	704.3	833.1	964.1	1,147.4	1,291.1	1,219.0	1,431.8	1,227.8	1,114.6	919.5	801.8	
Machinery & Equipment	1,189.8	1,107.4	1,394.7	1,528.3	1,919.3	2,317.5	2,417.9	2,232.8	2,471.6	2,433.8	2,488.4	

4.10 BALANCE OF PAYMENTS

Million Dollars

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986*
A Goods & Services (Net)	-1,280.7	-611.5	-940.6	-1,524.0	-3,118.0	-2,781.7	-2,334.8	-835.5	-345.8	342.6	1,384.7
Exports of Goods & Services	23,194.0	27,396.8	31,331.2	40,553.0	54,040.8	62,042.4	65,027.5	65,566.2	67,931.8	65,234.7	64,580.0
Merchandise incl Non-monetary Gold	15,363.2	18,893.9	21,799.6	29,140.0	38,969.6	41,539.3	41,590.6	43,168.0	48,340.9	47,303.2	46,379.3
Freight & Insurance	351.6	480.2	655.5	910.1	1,179.7	1,387.8	1,471.5	1,472.2	1,512.8	1,501.1	1,515.3
Travel	1,266.4	1,517.9	1,843.6	2,439.0	3,068.4	3,786.4	4,034.2	4,214.8	3,965.0	3,653.0	4,010.0
Investment Income	912.7	954.8	1,199.6	1,751.8	2,041.1	2,307.5	2,658.7	2,747.7	3,418.4	3,896.8	4,459.9
Government nie	95.7	100.0	104.2	108.0	174.1	206.2	223.0	214.0	232.4	217.8	211.8
Other Transportation & Services nie	5,204.4	5,450.0	5,728.7	6,204.1	8,607.9	12,815.2	15,049.5	13,749.5	10,462.3	8,662.8	8,004.4
Imports of Goods & Services	24,474.7	28,008.3	32,271.8	42,077.0	57,158.8	64,824.1	67,362.3	66,401.7	68,277.6	64,892.1	63,196.0
Merchandise incl Non-monetary Gold	20,858.2	23,733.3	27,493.8	35,772.0	47,964.1	54,475.8	56,060.7	55,472.1	57,025.1	53,934.6	51,448.8
Freight & Insurance	1,168.6	1,356.0	1,429.0	1,831.1	2,649.6	2,903.4	3,274.5	3,078.8	3,201.9	3,012.4	3,015.2
Travel	432.4	481.6	534.4	590.9	712.6	791.2	1,027.8	1,187.4	1,282.3	1,349.4	1,417.6
Investment Income	1,012.0	1,158.7	1,259.1	1,847.0	2,960.0	3,473.8	3,570.2	2,937.4	2,670.3	2,515.3	3,065.9
Government nie	18.3	23.2	18.5	26.2	47.3	54.9	66.4	75.3	81.0	91.8	89.6
Other Transportation & Services nie	985.2	1,255.5	1,537.0	2,009.8	2,825.2	3,125.0	3,362.7	3,650.7	4,017.0	3,988.6	4,158.9
Trade Balance	-5,495.0	-4,839.4	-5,694.2	-6,632.0	-8,994.5	-12,936.5	-14,470.1	-12,304.1	-8,684.2	-6,631.4	-5,069.5
Balance of Services	4,214.3	4,227.9	4,753.6	5,108.0	5,876.5	10,154.8	12,135.3	11,468.6	8,338.4	6,974.0	6,454.2
B Unrequited Transfers (Net)	-121.1	-108.3	-88.4	-76.1	-109.3	-130.0	-245.1	-389.4	-434.8	-375.0	-341.8
Private	-113.0	-99.5	-81.1	-67.3	-97.6	-105.0	-216.6	-359.9	-412.3	-349.8	-311.0
Government	-8.1	-8.8	-7.3	-8.8	-11.7	-25.0	-28.5	-29.5	-22.5	-25.2	-30.8
Current Account Balance	-1,401.8	-719.8	-1,029.0	-1,600.1	-3,227.3	-2,911.7	-2,579.9	-1,224.9	-780.6	-32.4	1,042.9
C Capital (Net)	2,097.7	1,480.2	2,303.8	2,169.7	3,388.3	4,578.5	4,940.6	5,204.4	3,369.9	1,155.4	-2,738.1
Non-monetary Sector (Net)	1,892.0	1,269.3	1,634.9	2,570.0	3,096.7	3,583.6	4,224.7	2,378.4	1,769.7	2,173.3	1,050.4
Private	1,791.3	969.8	1,622.6	2,605.1	3,129.4	3,616.4	4,256.6	2,558.0	1,794.7	2,212.8	1,082.6
Official	100.7	299.5	12.3	-35.1	-32.7	-32.8	-31.9	-179.6	-25.0	-39.5	-32.2
Monetary Sector (Net)	205.7	210.9	668.9	-400.3	291.6	994.9	715.9	2,826.0	1,600.2	-1,017.9	-3,788.5
Commercial Banks : Foreign Assets ¹	-855.2	-636.0	-807.6	-2,118.2	-778.4	-3,772.5	833.8	-1,690.3	-4,751.9	-3,057.9	-6,017.0
Foreign Liabilities	1,060.9	846.9	1,476.5	1,717.9	1,070.0	4,767.4	-117.9	4,516.3	6,352.1	2,040.0	2,228.5
D Allocation of Special Drawing Rights	-	-	-	14.3	14.5	17.6	-	-	-	-	-
E Balancing Items	41.5	2.9	236.7	553.4	1,258.3	254.0	156.8	-1,741.8	641.3	1,847.9	2,894.5
F Overall Balance (A+B+C+D+E)	737.4	763.3	1,511.5	1,137.3	1,433.8	1,938.4	2,517.5	2,237.7	3,230.6	2,970.9	1,199.3
G Official Reserves (Net)¹	-737.4	-763.3	-1,511.5	-1,137.3	-1,433.8	-1,938.4	-2,517.5	-2,237.7	-3,230.6	-2,970.9	-1,199.3
Special Drawing Rights	-	-	-	-34.4	-8.3	-32.9	-51.9	-23.4	3.6	-17.6	-31.4
Reserve Position in the Fund	-	-	-10.8	-23.5	-64.3	-46.9	-10.1	-1.8	-1.3	-26.0	-24.8
Foreign Exchange Assets	-737.4	-763.3	-1,500.7	-1,079.4	-1,361.2	-1,858.6	-2,455.5	-2,212.5	-3,232.9	-2,927.3	-1,143.1

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

5 AGRICULTURE, LIVESTOCK AND FISHERIES

5 AGRICULTURE, LIVESTOCK AND FISHERIES

General

The agricultural sector of Singapore is engaged mainly in the production of vegetables, pigs, poultry, eggs and fish. About 6.4 per cent of Singapore's land area is used for agricultural purposes. While there are specialised, commercial-scale pig and poultry farms and nurseries, most of the other farms carry out mixed farming.

Horticulture

The more important horticultural crops are vegetables and orchids. Vegetable cultivation is highly intensive, producing leafy vegetables like cai xin, gai lan, weng cai and xian cai. Local vegetable production meets only about 11 per cent of total consumption.

A number of nurseries and farms grow orchids for export as cut-flowers, as well as ornamental foliage plants. Singapore is world renowned for her exotic orchids, exporting \$10.3 million worth of cut orchid

flowers in 1986. There are few orchards in Singapore. Many farms grow fruit trees as part of their mixed farming, both for production and for shade.

Livestock

Rearing pigs and poultry is the most important farming activity in Singapore, accounting for around two-thirds of the value of primary production. Domestic production meets about 73 per cent of pork, 41 per cent of poultry meat and 68 per cent of hen eggs consumed in Singapore. However, pig farming is being phased out because of environmental pollution. Eventually domestic demand for pork will be met entirely by imports of live pigs and frozen pork from both nearby and distant countries.

Local farms and hatcheries export day-old chicks to countries in the region. In 1986, about \$7.9 million worth of chicks were exported.

Livestock are slaughtered at the Jurong and Kim Chuan Abattoirs under close supervision of the

Fisheries

There were 423 fishing vessels, of which 401 were powered and 22 non-powered. Local fish production accounts for about 25 per cent of total consumption. In 1986, 20,279 tonnes of fish were landed by local fishing vessels which were mainly otter-trawlers based at Punggol and Jurong. A total of 89,250 tonnes of fish were imported in 1986 by trucks from Malaysia and Thailand, and by sea and air from other neighbouring countries.

The Jurong Fishing Port and Central Fish Market Complex plays an important role as a major fish landing point in Singapore. In 1986 the complex handled 88,693 tonnes of fresh fish. The Punggol Fishing Port and Wholesale Fish Market Complex handled 20,836 tonnes, landed mainly by local fishing vessels.

There are 66 licensed marine fish farms covering a total of 35 hectares of coastal waters, culturing high-value fish like groupers and seabass.

Singapore is a major exporter of aquarium fish, exporting \$47.3 million worth of aquarium fish and \$4.4 million worth of aquatic plants in 1986.

5.1 PRODUCTION OF PRINCIPAL CROPS

Year	Vegetables	Fruits	Sugar Cane	Tobacco	Coconuts
	Tonnes				Million Nuts
1976	38,339	19,120	2,520	407	7
1977	36,460	16,253	2,370	576	7
1978	40,665	11,060	1,900	596	6
1979	37,800	9,260	1,800	478	6
1980	36,839	9,055	1,870	402	6
1981	42,861	8,065	1,570	133	5
1982	41,388	8,090	1,460	88	5
1983	35,326	8,070	960	34	4
1984	32,767	6,950	700	10	4
1985	28,648	5,610	370	16	2
1986	20,876	5,450	185	10	2

Source : Primary Production Department

5.2 LIVESTOCK SLAUGHTERED

Number

Year	Swine	Sheep	Oxen	Buffaloes	Goats
1976	737,777	110,276	1,928	200	1,179
1977	822,381	103,804	2,085	78	1,160
1978	805,341	88,874	2,064	125	715
1979	922,312	80,971	1,459	188	701
1980	968,095	73,156	1,238	185	475
1981	936,751	55,707	1,214	170	196
1982	883,666	56,999	1,496	111	204
1983	926,005	59,012	1,414	138	249
1984	1,026,287	58,045	1,471	137	212
1985	1,093,272	53,579	1,383	77	121
1986	1,086,304	54,666	1,537	7	747

Source : Primary Production Department

5.3 FRESH FISH SUPPLY AND AUCTIONED

Tonnes

Year	Supply				Fish Auctioned
	Total	Local Production ¹	Imports	Exports	
1976	60,751	15,775	53,286	8,310	65,976
1977	59,450	14,350	69,729	24,629	67,478
1978	54,017	15,634	68,781	30,398	66,883
1979	51,266	16,015	73,524	38,273	68,299
1980	47,268	15,532	80,440	48,704	74,244
1981	64,501	15,620	99,707	50,826	85,016
1982	56,939	18,830	89,104	50,995	93,430
1983	62,152	19,099	99,099	56,046	102,573
1984	71,586	25,041	107,784	61,239	117,638
1985	68,059	22,761	102,139	56,841	112,290
1986	74,858	20,279	135,034	80,455	109,531

¹ Figures exclude pond fish production.

Source : Primary Production Department

6 INDUSTRIAL PRODUCTION

Census of Industrial Production

A census of manufacturing establishments employing ten or more workers is conducted annually by the Department of Statistics. These establishments account for over 95 per cent of all industrial activities. The census results provide comprehensive data for the study of changes in structure and trends of growth of the industrial sector.

The statistical unit used in the census is the establishment, defined as a manufacturing unit engaged in one industrial activity and generally at one location. Establishments are classified in accordance with the Singapore Standard Industrial Classification of All Economic Activities, 1978 which is adapted from the International Standard Industrial Classification of All Economic Activities of the United Nations.

The main terms used in the annual census of industrial production are defined as follows :

Workers : They include all persons engaged directly or indirectly in the industrial activity of the establishment, that is, all employees, working

proprietors, and unpaid family workers. Data generally refer to number as at 30 June, except where establishments commenced operation after June.

Employees : They include (i) all workmen whether skilled, semi-skilled and unskilled, employed directly in the process of production and (ii) other workers who are paid personnel employed indirectly in the production process and include working directors, managers, supervisors, and technical and clerical staff.

Working Proprietors and Unpaid Family Workers : This group includes proprietors and business partners actively engaged in the operation of the establishment and their relatives working in the establishment without regular remuneration.

Input : Value of input covers cost of materials, electricity, water, fuel (excluding fuel for vehicles) and inward transport charges.

Output : Value of output refers to the total value of all commodities and services produced at ex-factory prices.

Census Value Added: Census value added is estimated as the value of output less that of total input (including the value of work given out).

Quarterly Index of Production

The Quarterly Index of Production of manufacturing establishments was rebased in 1984, using the weighting pattern derived from the 1982 Census of Industrial Production. Production data for the four quarters of 1983 were collected and the average was used as a comparison base for the series. The Laspeyres formula is used for the compilation of the index.

The Quarterly Index of Production covers all manufacturing activities classified under Division 3 of the Singapore Standard Industrial Classification, 1978. Rubber processing, granite quarrying and production undertaken by government departments and statutory boards are not covered by the index.

Pioneer Manufacturing Establishments

The principal statistics of pioneer manufacturing establishments were obtained from the Census of Industrial Production conducted by the Department of Statistics.

6.1 PRINCIPAL INDUSTRIAL STATISTICS

Year	Establishments	Workers	Input	Output	Census Value Added	Employees Remuneration	Capital Expenditure	Direct Exports
	Number		Million Dollars					
1976	2,545	210,822	11,815.9	16,175.0	4,041.1	1,332.6	631.1	10,160.5
1977	2,674	222,342	13,430.9	18,293.5	4,539.6	1,494.6	756.3	11,411.5
1978	2,979	246,467	14,871.9	20,492.3	5,220.0	1,743.9	824.3	13,087.0
1979	3,156	271,917	19,314.2	26,331.0	6,523.9	2,108.0	1,429.8	16,904.0
1980	3,391	288,165	23,433.7	32,805.8	8,652.8	2,556.2	1,878.4	19,874.9
1981	3,471	284,509	26,836.0	37,694.0	9,866.9	2,971.7	2,012.7	22,893.6
1982	3,617	277,803	26,572.9	37,141.1	9,505.8	3,302.5	2,253.6	22,227.3
1983	3,643	273,228	26,815.2	37,888.3	10,012.4	3,656.4	2,132.4	22,921.6
1984	3,675	276,225	29,224.2	41,704.1	11,268.9	4,073.6	2,191.3	25,331.6
1985	3,529	254,802	26,902.8	38,828.2	10,797.9	4,057.5	1,982.6	24,389.7
1986*	3,519	242,074	24,122.7	36,611.3	11,281.5	3,570.4		23,586.3

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

6.2 SELECTED RATIOS OF PRINCIPAL MANUFACTURING STATISTICS

Year	Census Value Added Per Worker	Output Per Worker	Census Value Added to Output	Remuneration to Census Value Added	Remuneration to Output	Direct Exports to Total Sales	Direct Exports to Output
	Dollars		Per Cent				
1976	19,168	76,724	25.0	33.0	8.2	61.9	62.8
1977	20,417	82,277	24.8	32.9	8.2	62.8	62.4
1978	21,179	83,144	25.5	33.4	8.5	64.2	63.9
1979	23,992	96,835	24.8	32.3	8.0	64.1	64.2
1980	30,027	113,844	26.4	29.5	7.8	61.9	60.6
1981	34,681	132,488	26.2	30.1	7.9	61.1	60.7
1982	34,218	133,696	25.6	34.7	8.9	59.9	59.8
1983	36,645	138,669	26.4	36.5	9.7	60.2	60.5
1984	40,796	150,979	27.0	36.1	9.8	61.0	60.7
1985	42,377	152,386	27.8	37.6	10.4	63.0	62.8
1986*	46,604	151,240	30.8	31.6	9.8		64.4

Note : See notes to Table 6.1.

6.3 INDUSTRIAL ESTABLISHMENTS BY INDUSTRY

Number

Industrial Code	Industry	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986*
311/2	Food	234	232	254	268	278	274	283	289	301	284	286
313	Beverage	14	14	14	14	16	17	16	16	14	14	14
314	Tobacco Products	9	9	8	8	8	6	6	6	4	4	4
321	Textiles & Textile Manufactures	72	69	79	93	99	94	95	87	80	62	60
322	Wearing Apparel except Footwear	257	300	345	365	374	374	406	391	387	370	372
323	Leather & Leather Products	30	34	44	42	42	40	43	37	38	28	26
324	Footwear	38	38	48	55	55	57	53	51	57	49	48
331	Sawn Timber & Other Wood Products except Furniture	133	127	134	133	131	132	119	110	104	109	108
332	Furniture & Fixtures except primarily of Metal, Stone & Plastics	63	70	94	107	117	117	125	127	142	145	147
341	Paper & Paper Products	79	80	86	94	93	95	92	88	86	81	82
342	Printing & Publishing	222	236	261	270	289	295	319	321	326	305	309
351	Industrial Chemicals & Gases	29	27	29	34	45	44	48	50	56	55	55
352	Paints, Pharmaceuticals & Other Chemical Products	86	86	88	85	89	86	84	85	90	90	89
353/4	Petroleum Refineries & Petroleum Products	11	12	11	10	10	11	11	11	12	12	13
355	Processing of Jelutong & Gum Damar	6	6	5	5	5	5	6	7	7	7	7
356	Rubber Products except Footwear & Toys	27	25	24	27	27	30	28	29	31	24	24
357	Plastic Products	137	160	175	184	195	209	214	215	224	221	219
361/2	Pottery, China, Earthenware & Glass Products	12	12	11	12	13	13	11	10	13	12	11
363	Structural Clay Products	12	12	9	9	9	9	11	11	11	10	9
364	Cement	5	5	5	5	5	5	5	5	5	6	6

6.3 INDUSTRIAL ESTABLISHMENTS BY INDUSTRY (continued)

Number

Industrial Code	Industry	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986*
365	Structural Cement & Concrete Products	26	26	28	28	34	38	40	49	52	52	48
369	Non-metallic Mineral Products	21	22	23	23	28	24	21	25	28	30	29
371	Iron & Steel	15	15	15	16	17	17	16	15	15	15	14
372	Non-ferrous Metals	5	7	8	10	12	11	16	18	20	18	18
381	Fabricated Metal Products except Machinery & Equipment	244	261	305	310	338	371	413	426	435	435	433
382	Machinery except Electrical & Electronic	236	226	259	274	295	319	314	341	349	349	347
383	Electrical Machinery, Apparatus, Appliances & Supplies	99	105	115	117	119	113	114	112	110	115	111
384	Electronic Products & Components	74	90	101	141	172	185	186	203	214	207	212
385	Transport Equipment	183	202	223	216	253	261	295	291	252	220	214
386	Instrumentation Equipment, Photographic & Optical Goods	36	37	41	47	55	52	48	46	46	41	40
390	Other Manufacturing Industries	90	93	104	120	132	135	148	144	139	134	140
	Total Manufacturing excluding Rubber Processing	2,505	2,638	2,946	3,122	3,355	3,439	3,586	3,616	3,648	3,504	3,495
	Rubber Processing	19	17	16	15	14	12	11	10	8	7	6
	Total Manufacturing including Rubber Processing	2,524	2,655	2,962	3,137	3,369	3,451	3,597	3,626	3,656	3,511	3,501
	Granite Quarrying	21	19	17	19	22	20	20	17	19	18	18
	TOTAL	2,545	2,674	2,979	3,156	3,391	3,471	3,617	3,643	3,675	3,529	3,519

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

6.4 INDUSTRIAL OUTPUT BY INDUSTRY

Million Dollars

Industrial Code	Industry	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986*
311/2	Food	938.0	1,219.0	1,229.8	1,452.7	1,661.5	1,692.5	1,805.6	1,936.0	2,241.1	2,311.7	2,197.4
313	Beverage	150.7	168.3	205.5	219.7	249.1	327.2	317.1	318.1	309.5	319.5	346.2
314	Tobacco Products	153.6	166.4	171.1	166.0	171.3	193.6	219.3	206.6	184.5	188.4	181.3
321	Textiles & Textile Manufactures	359.9	346.6	352.6	425.8	488.8	422.1	323.7	272.1	251.6	193.4	215.3
322	Wearing Apparel except Footwear	406.1	479.5	633.1	737.0	848.4	924.7	929.0	938.9	1,084.9	1,035.4	1,159.0
323	Leather & Leather Products	31.1	44.2	50.4	51.4	47.0	49.6	47.3	41.2	40.1	35.9	32.4
324	Footwear	33.9	30.8	34.7	51.5	53.6	54.9	45.3	44.2	46.9	34.1	39.8
331	Sawn Timber & Other Wood Products except Furniture	422.0	437.4	550.2	796.1	749.8	641.0	532.1	468.0	399.3	339.2	270.2
332	Furniture & Fixtures except primarily of Metal, Stone & Plastics	61.3	79.1	116.9	160.9	227.5	277.1	259.8	282.5	353.1	363.4	377.6
341	Paper & Paper Products	114.8	127.3	158.7	209.2	272.7	302.2	326.1	331.3	372.5	386.0	437.1
342	Printing & Publishing	290.2	335.6	375.5	431.2	550.4	674.3	726.6	833.4	937.7	930.8	1,001.0
351	Industrial Chemicals & Gases	210.1	227.0	183.3	255.2	346.1	363.7	383.8	382.9	1,071.5	1,506.1	1,362.6
352	Paints, Pharmaceuticals & Other Chemical Products	311.9	344.9	411.1	429.9	583.3	663.4	704.4	885.3	1,104.2	1,069.8	1,286.8
353/4	Petroleum Refineries & Petroleum Products	6,118.8	7,022.4	7,498.3	9,308.1	11,520.5	14,453.8	14,641.2	13,163.6	12,448.8	11,031.3	6,211.8
355	Processing of Jelutong & Gum Damar	16.4	21.0	19.3	22.8	25.9	28.2	25.9	25.2	21.2	20.6	17.6
356	Rubber Products except Footwear & Toys	57.8	62.0	66.8	89.9	89.7	76.3	74.4	76.7	83.5	70.1	71.0
357	Plastic Products	160.7	204.2	277.8	380.7	498.1	519.0	504.9	547.5	634.9	589.5	621.2
361/2	Pottery, China, Earthenware & Glass Products	37.0	41.0	49.7	60.9	68.0	90.3	81.1	94.3	80.7	29.5	18.9
363	Structural Clay Products	20.2	20.4	14.2	21.3	30.7	34.9	43.3	58.9	67.4	46.8	38.0
364	Cement	161.5	165.9	179.9	225.2	277.1	347.2	405.7	441.4	281.3	164.7	102.9

6.4 INDUSTRIAL OUTPUT BY INDUSTRY (continued)

Million Dollars

Industrial Code	Industry	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986*
365	Structural Cement & Concrete Products	64.4	65.3	71.2	95.5	156.5	263.9	379.1	600.9	657.2	585.8	568.1
369	Non-metallic Mineral Products	85.0	96.9	89.4	102.8	115.4	138.2	123.1	137.2	114.1	98.6	101.2
371	Iron & Steel	152.4	145.0	192.9	272.1	338.1	343.1	356.9	332.9	333.0	336.7	363.2
372	Non-ferrous Metals	33.8	53.7	56.1	135.4	190.4	130.5	156.0	153.6	212.0	236.4	177.5
381	Fabricated Metal Products except Machinery & Equipment	507.1	597.9	748.8	965.5	1,234.9	1,492.7	1,673.0	1,814.7	1,952.3	1,752.9	1,950.1
382	Machinery except Electrical & Electronic	676.9	701.0	844.4	1,183.5	1,662.7	2,484.2	2,322.1	2,050.4	1,943.2	1,805.4	1,581.8
383	Electrical Machinery, Apparatus, Appliances & Supplies	531.8	541.1	727.4	758.4	974.4	1,050.3	995.2	1,200.2	1,403.4	1,295.9	1,525.8
384	Electronic Products & Components	1,722.6	2,137.2	2,548.4	3,963.0	5,344.0	5,728.5	5,297.6	7,018.6	9,703.4	9,179.0	11,152.0
385	Transport Equipment	1,117.6	1,251.3	1,342.8	1,548.0	2,043.5	2,223.8	2,075.5	1,865.8	1,956.7	1,790.0	1,983.6
386	Instrumentation Equipment, Photographic & Optical Goods	193.2	184.1	237.6	276.6	382.8	290.6	284.3	268.7	299.6	325.5	384.2
390	Other Manufacturing Industries	176.4	201.8	228.9	337.5	455.6	505.2	408.0	430.3	488.5	433.0	550.3
	Total Manufacturing excluding Rubber Processing	15,317.4	17,518.2	19,666.7	25,133.7	31,657.9	36,787.1	36,467.4	37,221.5	41,077.9	38,505.5	36,325.5
	Rubber Processing	814.0	744.1	801.3	1,170.2	1,052.5	772.6	494.2	428.7	402.4	160.0	161.5
	Total Manufacturing including Rubber Processing	16,131.4	18,262.4	20,468.0	26,303.9	32,710.4	37,559.7	36,961.6	37,650.2	41,480.2	38,665.5	36,487.1
	Granite Quarrying	43.6	31.1	24.3	27.1	95.3	134.3	179.5	238.1	223.8	162.7	124.3
	TOTAL	16,175.0	18,293.5	20,492.3	26,331.0	32,805.8	37,694.0	37,141.1	37,888.3	41,704.1	38,828.2	36,611.3

te : See note to Table 6.3.

6.5 CENSUS VALUE ADDED OF INDUSTRIAL ESTABLISHMENTS BY INDUSTRY

Million Dollars

Industrial Code	Industry	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986*
311/2	Food	157.5	198.8	206.8	235.2	261.6	355.6	326.0	353.9	380.0	396.3	444.8
313	Beverage	66.9	69.2	81.4	91.9	109.0	140.0	140.8	147.9	152.1	166.9	173.8
314	Tobacco Products	34.7	37.0	41.0	42.8	52.6	68.2	91.0	89.4	79.4	77.7	59.6
321	Textiles & Textile Manufactures	117.2	108.8	115.3	137.0	157.6	134.9	105.9	93.6	82.7	62.4	66.0
322	Wearing Apparel except Footwear	135.9	156.7	206.5	230.2	266.4	308.3	326.0	333.0	364.5	345.7	376.5
323	Leather & Leather Products	9.0	12.7	13.3	13.2	13.4	13.6	14.0	12.7	13.6	11.4	11.5
324	Footwear	11.5	10.9	12.6	16.8	19.2	19.0	17.0	18.1	19.2	12.1	13.6
331	Sawn Timber & Other Wood Products except Furniture	129.1	140.8	180.6	220.9	180.7	175.5	136.4	138.7	115.9	94.7	70.2
332	Furniture & Fixtures except primarily of Metal, Stone & Plastics	26.8	31.2	43.4	59.3	84.3	102.4	102.3	110.8	130.8	134.3	137.8
341	Paper & Paper Products	39.9	45.8	54.3	73.2	94.5	103.6	122.8	146.2	163.7	179.4	221.5
342	Printing & Publishing	145.9	172.0	190.8	217.1	277.9	341.8	380.0	459.3	530.7	503.3	523.1
351	Industrial Chemicals & Gases	51.9	59.3	65.3	85.8	109.4	119.3	140.4	142.2	256.6	304.2	290.0
352	Paints, Pharmaceuticals & Other Chemical Products	154.6	172.5	226.0	224.6	304.2	340.7	360.8	495.9	644.0	587.8	610.5
353/4	Petroleum Refineries & Petroleum Products	698.5	774.2	787.0	916.0	1,470.4	1,707.2	1,617.7	1,382.6	955.6	873.7	515.2
355	Processing of Jelutong & Gum Damar	2.1	1.9	1.8	2.7	2.9	3.7	3.1	3.8	3.8	3.6	3.1
356	Rubber Products except Footwear & Toys	26.4	27.3	28.2	38.1	39.2	34.2	35.6	36.1	40.3	34.8	30.5
357	Plastic Products	50.1	72.1	97.0	134.2	173.8	184.6	181.1	195.4	228.0	225.3	198.7
361/2	Pottery, China, Earthenware & Glass Products	14.3	17.6	25.1	27.3	24.6	36.8	27.5	33.9	35.0	10.9	7.0
363	Structural Clay Products	12.4	12.9	9.4	13.1	18.8	20.9	21.3	29.5	36.6	25.0	15.7
364	Cement	48.4	45.4	36.5	47.0	48.8	78.5	88.5	105.4	46.1	34.1	24.3

6.5 CENSUS VALUE ADDED OF INDUSTRIAL ESTABLISHMENTS BY INDUSTRY (continued)

Million Dollars

Industrial Code	Industry	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986*
365	Structural Cement & Concrete Products	19.6	24.7	28.3	31.2	53.7	78.1	118.2	192.1	235.0	213.6	206.4
369	Non-metallic Mineral Products	38.7	43.1	40.3	46.0	53.1	62.1	57.4	56.4	45.9	35.5	31.6
371	Iron & Steel	54.3	66.3	92.0	111.9	131.9	138.4	136.1	123.3	121.8	106.2	105.6
372	Non-ferrous Metals	7.2	13.4	13.5	19.0	21.8	25.3	25.4	33.0	44.0	38.0	28.5
381	Fabricated Metal Products except Machinery & Equipment	179.2	212.6	258.2	325.5	416.3	537.8	657.2	692.0	753.1	656.2	718.4
382	Machinery except Electrical & Electronic	343.2	356.5	414.7	526.7	744.8	1,140.9	1,012.4	870.2	888.9	813.8	701.3
383	Electrical Machinery, Apparatus, Appliances & Supplies	184.0	206.3	245.5	287.2	356.8	388.6	387.7	445.3	522.9	489.3	539.9
384	Electronic Products & Components	557.3	643.4	820.2	1,200.4	1,668.8	1,625.7	1,484.4	1,911.5	2,917.5	2,894.3	3,615.1
385	Transport Equipment	508.5	595.0	636.3	802.4	1,060.2	1,181.3	1,006.0	929.1	1,009.5	1,033.7	1,094.1
386	Instrumentation Equipment, Photographic & Optical Goods	88.9	93.7	123.6	130.0	172.4	110.4	119.0	120.2	163.6	195.5	200.5
390	Other Manufacturing Industries	47.7	53.3	68.2	106.5	132.5	143.0	113.6	120.8	125.3	127.7	160.6
	Total Manufacturing excluding Rubber Processing	3,961.8	4,475.5	5,162.9	6,412.9	8,521.9	9,720.5	9,355.9	9,822.1	11,106.3	10,687.3	11,195.3
	Rubber Processing	45.6	38.1	36.7	87.7	51.5	37.0	27.5	33.5	16.2	7.3	7.4
	Total Manufacturing including Rubber Processing	4,007.4	4,513.6	5,199.6	6,500.6	8,573.4	9,757.5	9,383.4	9,855.6	11,122.4	10,694.6	11,202.6
	Granite Quarrying	33.7	26.0	20.4	23.3	79.4	109.4	122.3	156.9	146.4	103.2	78.9
	TOTAL	4,041.1	4,539.6	5,220.0	6,523.9	8,652.8	9,866.9	9,505.8	10,012.4	11,268.9	10,797.9	11,281.5

See note to Table 6.3.

6.6 INDUSTRIAL WORKERS BY INDUSTRY

Number

Industrial Code	Industry	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986*
311/2	Food	8,567	9,200	9,636	10,181	10,053	10,075	10,208	10,309	10,281	9,686	9,635
313	Beverage	2,639	2,506	2,596	2,739	2,650	2,744	2,594	2,494	2,398	2,273	2,209
314	Tobacco Products	1,179	1,225	1,263	1,239	1,277	976	882	865	809	753	765
321	Textiles & Textile Manufactures	11,620	10,526	9,792	10,087	9,710	7,906	6,360	4,616	3,957	2,744	2,528
322	Wearing Apparel except Footwear	20,673	23,262	28,983	29,274	27,188	27,870	28,608	27,234	25,710	24,782	24,463
323	Leather & Leather Products	968	1,223	1,351	1,284	1,244	1,186	1,152	971	950	646	627
324	Footwear	1,738	1,471	1,546	1,633	1,524	1,428	1,408	1,248	1,225	865	930
331	Sawn Timber & Other Wood Products except Furniture	8,784	8,859	10,056	11,418	10,376	8,291	7,188	5,950	4,947	4,120	3,057
332	Furniture & Fixtures except primarily of Metal, Stone & Plastics	2,935	3,427	4,697	5,678	6,145	6,561	6,707	6,856	7,476	7,079	7,450
341	Paper & Paper Products	3,617	3,604	3,801	4,035	4,294	4,495	4,450	3,786	3,593	3,363	3,370
342	Printing & Publishing	9,082	9,847	11,105	11,514	12,101	12,487	13,452	13,808	14,213	13,217	12,486
351	Industrial Chemicals & Gases	1,554	1,520	1,688	1,906	2,138	2,058	2,265	2,278	3,216	3,144	2,937
352	Paints, Pharmaceuticals & Other Chemical Products	3,484	3,762	3,800	3,822	4,300	4,291	4,511	4,570	4,602	4,624	4,598
353/4	Petroleum Refineries & Petroleum Products	3,167	3,094	3,082	3,212	3,342	3,511	3,784	3,755	3,605	3,494	3,411
355	Processing of Jelutong & Gum Damar	164	158	135	148	145	157	160	173	145	126	111
356	Rubber Products except Footwear & Toys	1,479	1,455	1,562	1,828	1,941	1,359	1,287	1,283	1,307	1,055	1,044
357	Plastic Products	5,346	6,366	7,770	8,374	9,225	9,121	8,889	8,560	8,563	8,471	7,445
361/2	Pottery, China, Earthenware & Glass Products	791	819	824	893	955	1,133	1,054	993	1,010	347	321
363	Structural Clay Products	901	830	477	482	474	461	688	679	641	549	438
364	Cement	579	541	551	538	461	474	538	579	552	547	423

6.6 INDUSTRIAL WORKERS BY INDUSTRY (continued)

Industrial Code	Industry	Number										
		1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986*
365	Structural Cement & Concrete Products	1,125	1,149	1,284	1,298	1,458	1,730	2,135	3,697	4,559	4,367	3,448
369	Non-metallic Mineral Products	1,735	1,440	1,427	1,205	1,315	1,261	1,254	1,600	1,425	1,389	873
371	Iron & Steel	1,522	1,456	1,518	1,802	1,878	1,920	1,720	1,647	1,613	1,510	1,366
372	Non-ferrous Metals	139	516	620	489	459	449	656	643	726	686	578
381	Fabricated Metal Products except Machinery & Equipment	11,880	12,671	14,619	16,062	17,669	19,481	21,554	21,156	20,752	19,453	18,284
382	Machinery except Electrical & Electronic	15,927	14,827	17,344	18,910	20,274	23,963	23,802	22,433	21,406	19,693	18,114
383	Electrical Machinery, Apparatus, Appliances & Supplies	13,644	13,237	15,206	14,728	15,933	16,141	14,405	15,341	15,778	15,983	14,865
384	Electronic Products & Components	35,756	41,245	47,455	63,201	71,727	69,358	60,760	65,954	73,271	66,646	67,692
385	Transport Equipment	24,299	25,767	26,312	26,039	27,420	28,491	30,749	27,043	24,794	21,768	17,216
386	Instrumentation Equipment, Photographic & Optical Goods	7,382	7,906	8,214	9,256	10,456	5,419	5,767	5,197	5,359	5,071	5,077
390	Other Manufacturing Industries	4,558	5,203	5,010	6,059	7,118	6,878	6,463	5,388	5,508	5,059	5,153
	Total Manufacturing excluding Rubber Processing	207,234	219,112	243,724	269,334	285,250	281,675	275,450	271,106	274,391	253,510	240,914
	Rubber Processing	2,641	2,428	2,092	2,044	1,977	1,826	1,303	980	689	516	450
	Total Manufacturing including Rubber Processing	209,875	221,540	245,816	271,378	287,227	283,501	276,753	272,086	275,080	254,026	241,364
	Granite Quarrying	947	802	651	439	938	1,008	1,050	1,142	1,145	776	710
	TOTAL	210,822	222,342	246,467	271,917	288,165	284,509	277,803	273,228	276,225	254,802	242,074

See note to Table 6.3.

6.7 REMUNERATION OF INDUSTRIAL EMPLOYEES BY INDUSTRY

Million Dollars

Industrial Code	Industry	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986*
311/2	Food	51.8	58.2	65.8	79.1	87.8	103.4	115.2	129.7	148.3	156.8	144.9
313	Beverage	22.9	24.3	26.5	29.9	34.6	40.0	35.3	36.5	40.6	44.1	39.1
314	Tobacco Products	9.5	10.5	11.6	13.2	15.3	15.6	17.3	19.2	21.1	20.8	19.1
321	Textiles & Textile Manufactures	56.0	52.6	54.6	63.0	71.7	68.8	60.5	49.9	47.1	34.6	30.0
322	Wearing Apparel except Footwear	69.8	87.0	118.0	136.3	150.7	179.3	203.4	216.1	236.9	227.3	208.6
323	Leather & Leather Products	4.0	5.1	6.1	6.8	7.4	8.0	8.5	8.2	8.7	6.9	6.3
324	Footwear	7.9	6.4	6.8	7.9	9.7	10.1	10.7	10.3	10.9	7.0	7.3
331	Sawn Timber & Other Wood Products except Furniture	48.9	55.8	67.5	81.8	80.1	77.4	69.0	64.8	56.4	48.2	34.6
332	Furniture & Fixtures except primarily of Metal, Stone & Plastics	14.8	16.7	24.4	34.0	44.4	54.8	58.3	63.7	73.5	74.3	71.5
341	Paper & Paper Products	16.0	17.6	21.3	27.0	34.7	44.2	51.4	51.5	52.0	53.2	49.0
342	Printing & Publishing	61.7	70.2	86.6	97.5	118.6	140.5	171.9	248.2	234.7	217.9	193.1
351	Industrial Chemicals & Gases	14.1	16.1	17.8	22.3	28.9	33.4	41.1	43.2	85.7	93.9	80.8
352	Paints, Pharmaceuticals & Other Chemical Products	30.0	35.1	37.7	43.2	53.4	62.4	76.4	90.5	99.4	107.4	98.8
353/4	Petroleum Refineries & Petroleum Products	67.2	67.0	73.5	87.1	99.7	114.7	138.6	148.0	151.4	154.6	137.4
355	Processing of Jelutong & Gum Damar	1.0	1.1	1.0	1.2	1.3	1.5	1.6	1.9	1.9	1.9	1.4
356	Rubber Products except Footwear & Toys	9.9	10.8	11.8	15.6	17.2	13.3	14.7	17.0	19.6	17.3	15.7
357	Plastic Products	23.9	30.0	39.0	48.5	63.9	71.8	79.9	86.5	98.5	103.0	85.2
361/2	Pottery, China, Earthenware & Glass Products	6.9	7.2	8.5	9.9	12.4	13.5	14.4	16.3	17.8	5.9	4.6
363	Structural Clay Products	5.4	5.1	4.1	4.7	5.2	6.0	9.7	11.2	11.7	9.3	6.9
364	Cement	5.0	4.2	5.8	6.5	7.0	8.9	10.5	12.3	12.4	12.2	9.1

6.7 REMUNERATION OF INDUSTRIAL EMPLOYEES BY INDUSTRY (continued)

Million Dollars

Industrial Code	Industry	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986*
365	Structural Cement & Concrete Products	6.8	8.5	9.6	11.1	15.6	21.8	30.4	57.2	72.6	74.9	54.8
369	Non-metallic Mineral Products	14.4	11.4	11.7	12.4	14.6	18.9	19.5	24.3	20.5	21.4	12.3
371	Iron & Steel	14.2	14.8	17.7	22.4	27.4	30.2	32.5	36.3	38.8	38.8	33.0
372	Non-ferrous Metals	1.1	4.7	5.6	5.9	7.9	7.4	10.1	10.7	12.9	12.2	9.8
381	Fabricated Metal Products except Machinery & Equipment	77.8	86.0	116.9	126.7	157.3	202.0	259.1	276.5	303.1	307.4	270.3
382	Machinery except Electrical & Electronic	125.8	129.2	152.6	186.5	228.7	323.8	346.5	365.3	393.5	399.3	347.9
383	Electrical Machinery, Apparatus, Appliances & Supplies	73.8	80.6	99.1	110.1	133.6	154.5	172.2	193.4	224.7	240.5	212.2
384	Electronic Products & Components	186.8	223.0	264.3	393.3	510.7	557.0	616.7	752.1	943.1	970.2	908.7
385	Transport Equipment	223.0	266.2	282.7	304.3	363.5	433.2	486.9	467.7	476.7	443.2	335.6
386	Instrumentation Equipment, Photographic & Optical Goods	39.2	41.6	48.3	59.9	76.0	47.3	53.9	59.9	68.7	68.9	62.9
390	Other Manufacturing Industries	20.5	24.7	27.5	37.7	47.6	54.3	54.6	55.1	61.7	62.2	59.8
	Total Manufacturing excluding Rubber Processing	1,309.8	1,471.7	1,724.2	2,085.9	2,526.9	2,938.1	3,270.6	3,623.7	4,045.0	4,035.3	3,550.7
	Rubber Processing	15.1	14.2	13.8	16.6	18.5	18.3	16.1	15.0	9.3	7.9	6.9
	Total Manufacturing including Rubber Processing	1,324.9	1,485.9	1,738.0	2,102.5	2,545.4	2,956.4	3,286.8	3,638.7	4,054.3	4,043.2	3,557.6
	Granite Quarrying	7.7	8.6	5.9	5.5	10.8	15.3	15.7	17.7	19.3	14.3	12.8
	TOTAL	1,332.6	1,494.6	1,743.9	2,108.0	2,556.2	2,971.7	3,302.5	3,656.4	4,073.6	4,057.5	3,570.4

Note: See note to Table 6.3.

6.8 VOLUME OF OUTPUT OF SELECTED MANUFACTURED PRODUCTS

Commodity	Unit	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Animal Feed	Thousand Tonnes	240	291	300	306	334	255	238	210	223	167
Soft Drinks	Million Litres	125	144	175	170	175	185	180	197	155	152
Refined Cooking Oil	Tonnes	45,252	50,377	50,780	43,829	59,685	84,228	117,545	95,921	84,334	96,008
Sawn Timber	Thousand Cubic Metres	443	302	364	371	282	188	136	114	99	70
Plywood	Million Square Metres	118	109	143	165	123	112	93	90	62	51
Newspapers	Million Copies	173	171	197	216	225	228	255	277	267	259
Paints	Kilolitres	13,731	18,152	19,972	20,258	22,310	26,698	26,502	29,907	36,564	35,381
Soap & Detergents	Tonnes	26,993	24,071	21,613	23,532	29,141	29,568	27,882	30,723	25,623	22,753
Aviation Kerosene ¹	Thousand Tonnes	4,165	3,756	4,708	5,033	3,709	4,003	4,099	4,290	4,929	3,878
Diesel Oil ¹	Thousand Tonnes	5,046	5,569	6,780	6,566	4,619	6,490	7,074	6,569	6,044	5,999
Fuel Oil ¹	Thousand Tonnes	9,127	10,209	10,154	10,340	6,457	7,560	8,259	8,155	9,294	8,025
Bricks	Thousand Pieces	92,377	85,231	72,628	91,191	92,122	93,327	129,862	176,960	184,861	162,895
Cement	Thousand Tonnes	1,532	1,550	1,628	1,808	1,952	2,253	2,695	3,153	2,511	1,897
Ready-mixed Concrete	Thousand Cubic Metres	413	332	430	660	758	1,376	2,116	2,955	3,565	3,463
Radios	Thousand	10,737	9,726	11,717	16,748	17,070	16,028	13,461	15,165	18,246	12,824
Television Receivers	Thousand Sets	486	560	725	1,390	1,889	2,231	1,502	1,312	1,375	1,691

¹ Prior to 1980 data include the output of products processed for third party overseas.

6.9 VALUE OF OUTPUT OF SELECTED MANUFACTURED PRODUCTS

Million Dollars

Commodity	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Animal Feed	111.7	146.8	148.4	160.6	201.8	167.6	148.6	128.3	134.0	94.7
Soft Drinks	76.1	88.8	112.1	120.1	126.4	172.2	164.8	171.1	157.5	159.2
Refined Cooking Oil	62.7	93.4	94.3	80.4	120.4	175.5	161.0	139.9	189.2	184.5
Fabrics	151.1	138.0	158.6	190.7	195.9	200.1	156.8	107.9	108.6	88.4
Sawn Timber	94.2	73.8	95.9	125.3	103.1	59.8	40.1	36.5	33.2	26.9
Plywood	224.1	234.7	296.8	466.6	411.9	361.6	270.5	266.8	205.1	168.6
Newspapers	31.5	33.1	35.6	39.0	45.8	55.7	68.1	67.5	68.9	68.9
Paints	43.5	58.5	65.5	72.5	87.8	119.4	117.2	119.1	137.8	135.1
Pharmaceutical Products	142.0	155.5	201.0	179.5	258.4	269.6	283.1	370.0	504.3	475.7
Soap & Detergents	32.4	33.6	32.1	37.9	62.2	66.4	56.4	60.4	53.6	50.0
Aviation Kerosene ¹	1,263.3	1,186.6	1,406.4	2,100.1	2,590.3	3,001.2	2,961.7	2,645.6	2,686.5	2,030.2
Diesel Oil ¹	1,327.8	1,534.6	1,784.5	2,518.6	2,990.0	4,202.1	4,295.6	3,510.4	2,937.2	2,918.6
Fuel Oil ¹	1,778.4	2,090.3	1,899.4	2,621.9	2,544.8	3,413.8	3,509.6	3,201.5	3,584.9	2,872.3
Bricks	14.9	13.9	12.1	19.5	28.5	32.5	40.5	55.9	66.0	46.0
Cement	158.6	165.9	179.9	225.2	277.1	347.2	405.7	441.4	280.0	164.4
Ready-mixed Concrete	37.8	30.4	37.4	58.7	87.9	186.1	281.3	361.3	359.9	305.2
Oil Rigs & Oilfield Equipment	350.3	279.2	344.1	556.5	806.7	1,437.5	1,341.1	938.3	706.9	609.1
Electronic Products excluding Television Receivers & Radios	1,347.5	1,707.1	1,935.3	2,858.4	3,873.8	4,104.1	3,982.8	5,671.9	8,144.5	7,680.8
Radios	226.9	248.0	337.4	651.6	882.6	877.4	732.4	776.6	991.7	837.6
Television Receivers	133.4	160.9	234.6	399.5	512.7	667.8	495.7	470.3	469.1	566.0
Shipbuilding & Repairing	939.4	981.8	1,002.3	1,105.6	1,547.6	1,727.8	1,502.7	1,237.5	1,240.3	923.1
Marine Engines & Parts	44.4	61.3	64.9	84.5	109.6	137.2	151.4	110.5	106.1	89.0
Photographic Equipment & Optical Goods	99.2	87.5	90.1	107.9	125.3	52.7	56.2	59.9	68.7	75.2

¹ See note to Table 6.8.

6.10 QUARTERLY INDEX OF INDUSTRIAL PRODUCTION, 1985 AND 1986

(1983 = 100)

Industrial Code	Major Industry Group	Weights 1982	1985				1986			
			1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr*
	Total Manufacturing excluding Rubber Processing	1,000.0	101.0	102.9	102.0	98.2	94.8	109.9	116.2	117.1
311/2	Food	34.8	94.1	92.5	103.8	105.0	104.9	110.0	106.9	110.5
313	Beverage	15.1	100.5	88.1	97.8	79.7	88.1	93.3	109.9	94.4
314	Cigarettes & Other Tobacco Products	9.7	128.3	88.6	120.3	129.0	103.1	71.6	87.4	100.8
321	Textiles & Textile Manufactures	11.3	58.5	59.3	64.1	57.5	58.5	56.6	60.5	66.3
322	Wearing Apparel except Footwear	34.9	99.7	106.8	101.1	120.2	97.0	115.4	134.8	146.5
323	Leather & Leather Products	1.5	111.8	91.2	93.0	103.6	97.9	109.5	92.0	110.8
324	Footwear	1.8	64.9	63.4	62.0	65.8	60.8	65.2	68.1	84.4
331	Sawn Timber & Other Wood Products except Furniture	14.6	61.9	66.7	72.4	61.7	43.9	52.4	50.2	50.3
332	Furniture & Fixtures except primarily of Metal, Stone & Plastics	10.9	93.1	93.3	98.1	98.4	92.9	104.1	108.0	115.6
341	Paper & Paper Products	13.1	78.8	87.8	84.6	75.3	81.8	89.7	96.9	93.6
342	Printing & Publishing	40.6	104.8	111.0	120.3	120.5	104.9	112.7	129.3	130.2
351	Industrial Chemicals & Gases	15.0	253.4	279.9	276.8	283.7	271.8	278.2	256.6	307.7
352	Paints, Pharmaceuticals & Other Chemical Products	38.6	97.4	128.8	117.7	114.3	101.2	129.7	128.6	123.5
353/4	Petroleum Refineries & Petroleum Products	173.0	105.3	102.1	90.9	89.2	90.6	114.9	111.6	102.3
356	Rubber Products except Footwear & Toys	3.8	103.8	107.2	114.5	103.5	99.8	94.9	90.9	98.7
357	Plastic Products	19.4	93.0	86.8	86.2	70.3	67.9	75.4	78.8	80.1
361/2	Pottery, China, Earthenware & Glass Products	2.9	60.9	28.9	15.4	10.8	17.3	17.7	18.2	23.9

6.10 QUARTERLY INDEX OF INDUSTRIAL PRODUCTION, 1985 AND 1986 (continued)

(1983 = 100)

Industrial Code	Major Industry Group	Weights 1982	1985				1986			
			1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr*
363	Bricks, Tiles & Other Structural Clay Products	2.3	68.7	75.7	72.9	70.4	46.3	53.6	49.7	54.5
364	Cement	9.5	69.7	68.5	62.5	61.4	53.8	59.9	58.4	58.8
365	Structural Cement & Concrete Products	12.6	112.8	112.1	109.5	104.8	94.7	112.6	117.0	101.7
369	Non-metallic Mineral Products	6.1	29.4	29.1	30.9	32.2	26.9	28.0	31.4	30.1
371	Iron & Steel	14.6	82.7	94.7	112.0	94.0	68.8	104.7	109.0	107.0
372	Non-ferrous Metals	2.7	109.8	111.6	130.9	97.0	80.4	86.5	93.9	141.9
381	Fabricated Metal Products except Machinery & Equipment	70.3	100.3	108.8	115.1	112.8	109.3	123.4	127.1	122.3
382	Machinery except Electrical & Electronic	108.2	90.3	81.3	81.0	70.8	67.4	70.5	72.2	69.0
383	Electrical Machinery, Apparatus, Appliances & Supplies	41.5	107.5	111.0	98.1	91.4	92.3	108.6	123.1	122.0
384	Electronic Products & Components	158.7	109.3	109.4	121.0	115.6	113.5	137.1	157.6	174.2
385	Transport Equipment	107.6	91.2	99.5	83.3	82.6	85.8	99.8	104.1	100.6
386	Instrumentation Equipment, Photographic & Optical Goods	12.7	114.9	123.4	125.1	120.7	122.0	125.6	125.8	121.9
390	Other Manufacturing Industries	12.2	109.1	117.2	123.6	95.5	105.3	119.3	160.3	146.9

6.11 NET INVESTMENT COMMITMENTS IN MANUFACTURING BY INDUSTRY

(Excluding Petrochemicals)

Million Dollar

Industry	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986*
Food & Beverages	14.4	27.4	8.5	40.8	99.4	90.7	101.5	185.9	154.4	55.5	83.3
Textiles	6.5	1.7	11.0	14.2	32.6	18.1	8.9	7.3	0.3	3.2	5.6
Wearing Apparel	1.5	3.0	2.7	1.4	8.0	8.3	10.4	2.8	6.7	0.7	-
Leather & Rubber	1.7	17.9	7.3	1.5	15.8	3.6	5.3	22.9	8.1	4.9	0.4
Wood Products	8.3	5.3	9.8	33.2	30.8	16.8	8.8	8.0	15.8	21.3	11.4
Paper Products & Printing	1.0	4.2	-	8.0	27.2	161.8	109.2	22.1	111.3	32.3	36.2
Industrial Chemicals	5.0	4.9	13.9	5.4	76.8	63.8	16.9	52.1	8.1	34.5	37.7
Plastic Products	11.8	8.6	13.4	34.0	66.8	41.9	47.5	27.7	33.4	19.4	42.6
Other Chemical Products	0.4	1.2	14.5	31.0	101.1	95.7	47.4	106.2	30.7	18.2	144.9
Petroleum	16.0	66.2	330.0	224.5	200.0	162.0	387.7	367.1	358.8	190.0	116.0
Non-metallic Mineral Products	0.7	-	-	7.1	65.7	55.6	40.5	136.0	24.6	88.4	9.3
Basic Metals	15.4	1.0	2.5	-	-	16.3	53.5	36.8	18.1	2.9	8.3
Fabricated Metal Products	16.8	6.8	13.8	56.2	75.6	96.1	121.0	167.4	71.5	39.5	82.0
Machinery except Electrical	51.4	77.9	45.5	151.9	121.3	300.9	162.2	84.5	225.9	124.9	205.6
Electrical Machinery & Appliances	142.3	120.3	292.4	253.9	396.6	421.2	321.8	351.6	655.8	391.9	518.1
Transport Equipment	0.7	36.1	-	18.5	58.4	273.3	162.5	92.7	72.5	88.4	64.0
Precision Equipment	6.4	7.7	33.9	31.5	29.0	24.3	66.6	65.8	19.0	2.0	53.8
Other Products	3.0	6.2	13.2	30.5	10.3	0.2	5.5	-	1.6	3.5	-
Servicing/Engineering	-	-	-	-	2.5	26.8	27.8	38.9	13.8	14.7	19.9
TOTAL	303.3	396.4	812.4	943.6	1,417.9	1,877.4	1,705.0	1,775.8	1,830.4	1,136.2	1,439.1
Foreign	260.5	362.6	765.7	823.4	1,199.0	1,234.6	1,163.0	1,269.8	1,336.7	903.7	1,185.7
Local	42.8	33.8	46.7	120.2	218.9	642.8	542.0	506.0	493.7	232.5	253.4

Note : Net investment commitments refer to gross commitments less projects withdrawn or uncertain as at 31 December 1986.

Source : Economic Development Board

6.12 NET INVESTMENT COMMITMENTS IN MANUFACTURING BY COUNTRY OF ORIGIN

(Excluding Petrochemicals)

Million Dollars

Country	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986*
TOTAL	303.3	396.4	812.4	943.6	1,417.9	1,877.4	1,705.0	1,775.8	1,830.4	1,136.2	1,439.1
Local	42.8	33.8	46.7	120.2	218.9	642.8	542.0	506.0	493.7	232.5	253.4
Foreign	260.5	362.6	765.7	823.4	1,199.0	1,234.6	1,163.0	1,269.8	1,336.7	903.7	1,185.7
United States	92.9	153.5	146.9	259.9	505.7	674.4	533.3	571.7	805.9	432.0	443.5
Japan	76.1	129.4	158.4	319.4	139.7	225.3	73.7	166.6	167.6	244.1	489.7
Europe	50.1	47.7	418.6	161.3	360.4	228.7	421.9	394.1	325.1	207.4	217.9
European Community (EC)	45.7	36.7	408.1	132.3	268.9	166.3	386.9	338.8	318.9	187.4	204.8
United Kingdom	14.8	21.4	156.2	91.9	129.5	83.1	283.1	207.5	186.6	75.9	93.4
Netherlands	20.0	-	200.0	4.5	1.0	1.2	62.8	99.2	70.3	75.2	57.1
Germany	7.1	8.9	38.3	25.3	69.2	11.5	31.4	12.8	14.3	20.1	16.7
France	1.8	1.1	11.1	4.9	18.8	1.7	1.3	6.8	-	15.1	27.8
Italy	2.0	5.3	1.1	2.5	45.4	62.5	2.4	5.1	44.8	-	5.1
Other EC Countries	-	-	1.4	3.2	5.0	6.3	5.9	7.4	2.9	1.1	4.7
Switzerland	2.4	6.5	8.4	12.1	35.8	17.0	22.0	15.4	2.7	4.7	7.7
Other European Countries	2.0	4.5	2.1	16.9	2.1	7.2	1.8	27.4	3.3	0.4	-
Others	41.4	32.0	41.8	82.8	193.2	106.2	134.1	137.4	38.1	20.2	34.6

Source : Economic Development Board

6.13 PRINCIPAL STATISTICS OF PIONEER MANUFACTURING ESTABLISHMENTS

End of Year	Establishments	Workers	Input	Output	Census Value Added	Employees' Remuneration	Paid-up Capital	Gross Fixed Assets	Direct Exports
	Number		Million Dollars						
1975	306	80,018	6,522	8,386	1,840	502	1,489	3,373	5,541
1976	294	88,697	8,184	10,388	2,165	562	1,471	3,606	7,520
1977	289	91,313	9,220	11,686	2,421	617	1,465	3,768	8,386
1978	298	97,732	9,994	12,837	2,785	693	1,477	4,156	9,867
1979	341	111,525	12,067	15,526	3,391	864	1,579	5,244	12,393
1980	383	118,837	14,409	19,242	4,733	1,071	1,756	6,252	14,054
1981	403	112,765	15,272	20,484	5,090	1,170	1,873	7,114	14,777
1982	412	105,480	14,894	19,888	4,847	1,333	2,112	8,275	13,992
1983	442	112,510	15,104	20,683	5,379	1,560	2,540	9,124	14,824
1984	448	121,269	17,597	24,237	6,361	1,855	2,805	10,233	17,736
1985	448	115,190	16,856	23,631	6,499	1,987	3,996	12,460	17,805

**6.14 PRINCIPAL STATISTICS OF PIONEER MANUFACTURING ESTABLISHMENTS BY INDUSTRY GROUP,
DECEMBER 1985**

Industry Group	Estab- lishments	Workers	Input	Output	Census Value Added	Employees' Remunera- tion	Paid-up Capital	Gross Fixed Assets	Direct Exports
	Number		Million Dollars						
Total	448	115,190	16,856	23,631	6,499	1,987	3,996	12,460	17,805
Food & Beverages	17	2,254	404	523	119	53	211	296	262
Textiles & Garments	14	4,768	111	190	65	50	90	130	165
Wood Products	4	555	21	27	6	6	39	45	23
Paper & Paper Products	4	466	55	145	90	12	25	115	103
Leather & Rubber Products	6	638	21	44	23	11	25	54	35
Basic Industrial Chemicals	22	1,890	1,048	1,280	229	65	1,203	1,822	783
Other Chemical Products except Plastics	21	2,206	309	794	485	59	218	469	700
Petroleum & Petroleum Products	5	2,709	7,235	7,970	735	128	266	3,945	4,873
Non-metallic Mineral Products	13	1,004	70	107	34	18	64	127	48
Basic Metal Industries	10	1,544	246	367	116	41	74	272	63
Metal Products & Mechanical Engineering	141	21,628	951	1,986	980	385	610	1,680	1,396
Electrical & Electronic Products	145	67,631	6,119	9,270	2,998	1,008	929	2,899	8,643
Transport Equipment	20	5,318	163	722	529	115	188	471	609
Plastic Products	18	1,628	61	126	60	24	28	97	24
Miscellaneous	8	951	42	81	30	12	27	38	78

7 ELECTRICITY, GAS AND WATER SUPPLY

ND WATER SUPPLY

7 ELECTRICITY, GAS AND WATER SUPPLY

The Public Utilities Board (PUB) is responsible for the production and distribution of electricity, gas and water in Singapore.

Electricity

Electricity is generated mainly by steam plants at the Senoko, Jurong and Pasir Panjang 'B' Power Stations. Gas turbine generating stations at Jurong and Pasir Panjang are used mainly for emergency and as supplement in peak periods. In 1986, the installed generating capacity was increased to 2,741 megawatt (MW) of which 1,610 MW or 59 per cent is at Senoko.

A network of 230 kilovolt (kV), 66 kV, 22 kV, 6.6 kV and 0.4 kV cables interlinked by transformers at substations forms the transmission and distribution system whereby electricity is supplied from the power station to the consumer. The network now consists of 39,597 kilometres of cables, 18,697 megavolt-amperes of transformer capacity, 4,546 substations and 112 substation kiosks.

The total number of accounts increased to 731,163 in 1986, of which 86 per cent were domestic

accounts. However, domestic consumption constituted only 16.5 per cent of the total consumption. Per capita consumption of electricity in Singapore rose from 3,448 kilowatt hours (kWh) in 1985 to 3,664 kWh in 1986 while per capita domestic consumption increased from 571 kWh in 1985 to 605 kWh in 1986.

Gas

Gas is produced by six naphtha reformers at the Kallang Gasworks with a production capacity of 0.735 million cubic metres per day. Gas produced during off-peak periods is stored in the holders in Kallang and Queenstown and used to supplement the supply during the peak demand periods. There is a total of 1,653 kilometres of gas mains in use. Some areas outside the town gas distribution network receive their gas supply from system tanks which store Liquefied Petroleum Gas (LPG). Distribution of bottled LPG is done by private companies and data on these are not included in the table.

There are 186,507 gas consumers. Of these, 97 per cent are domestic while the rest are commer-

cial and industrial consumers. Of the 549.8 million units of gas sold in 1986, 53.7 per cent, 44.8 per cent and 1.5 per cent went to domestic, commercial and industrial consumers respectively.

Water

Water supplies are drawn mainly from 14 impounding reservoirs in Singapore and 4 in Johore.

Water is also tapped from rivers in Johore. After purification and treatment at the 9 treatment works, water is pumped into 11 service reservoirs for distribution to consumers. The total number of consumer accounts in Singapore and Johore was 698,667 in 1986 and the total consumption based on sales was 324,664,300 cubic metres, an increase of 0.6 per cent over 1985. This includes consumption of 58,171,500 cubic metres by Johore consumers.

7.1 ELECTRICITY PRODUCTION AND SALES

Year	Production	Sales					Number of Consumer Accounts (End of Period)
		Total	Domestic	Manufacturing	Other Industries	Export	
	Million Kilowatt Hours						
1976	4,604.9	4,038.0	703.4	1,980.5	1,354.1	—	437,247
1977	5,114.7	4,506.4	779.0	2,246.2	1,481.2	—	462,353
1978	5,898.0	5,213.7	887.5	2,606.8	1,671.0	48.4	498,994
1979	6,483.1	5,743.7	945.2	2,803.3	1,902.0	93.2	526,669
1980	6,967.6	6,198.0	1,014.3	2,947.2	2,144.5	92.0	556,224
1981	7,461.6	6,660.4	1,092.8	3,156.2	2,337.5	73.9	575,250
1982	7,883.4	7,000.1	1,166.9	3,217.6	2,564.1	51.5	591,416
1983	8,665.1	7,697.6	1,313.0	3,504.9	2,824.9	54.8	611,449
1984	9,451.8	8,398.8	1,336.2	3,926.7	3,062.9	73.0	670,736
1985	9,917.0	8,871.2	1,461.8	4,018.6	3,340.4	50.4	712,450
1986	10,576.5	9,475.8	1,565.3	4,267.8	3,642.7	—	731,163

Source : Public Utilities Board

7.2 GAS PRODUCTION AND SALES

Year	Production	Sales					Number of Consumer Accounts (End of Period)
		Total	Domestic		Commercial	Industrial	
			Public Housing	Others			
	Million Kilowatt Hours						
1976	457.1	411.4	186.2	76.2	108.2	40.8	143,147
1977	487.5	434.9	196.2	72.6	123.9	42.2	151,819
1978	539.0	490.2	213.2	73.1	152.1	51.8	166,011
1979	597.1	527.4	234.2	72.3	168.5	52.4	176,902
1980	614.1	552.0	246.7	70.5	186.5	48.3	187,944
1981	625.6	560.7	248.9	66.5	213.6	31.7	190,509
1982	624.8	570.0	257.6	62.5	220.1	29.8	189,660
1983	605.4	566.5	261.0	61.0	225.8	18.7	190,087
1984	609.4	573.1	267.1	60.6	231.2	14.2	188,445
1985	569.9	541.3	251.9	56.1	224.4	8.9	185,246
1986	577.3	549.8	243.7	51.7	246.0	8.4	186,507

Source : Public Utilities Board

7.3 WATER PRODUCTION AND SALES

Year	Production	Sales						Number of Consumer Accounts (End of Period)
		Total	Domestic	Shipping	Commerce & Industry	Government & Statutory Boards	Johore	
	Thousand Cubic Metres							
1976	217,193.4	197,642.8	89,830.9	2,776.1	56,219.1	24,191.5	24,625.2	407,041
1977	231,800.9	209,966.3	95,038.5	2,683.6	60,382.5	23,344.7	28,517.0	435,068
1978	247,256.1	223,891.2	101,640.6	2,812.9	63,215.9	23,975.7	32,246.1	470,073
1979	265,742.4	237,902.8	106,504.5	3,043.1	70,160.4	23,759.1	34,435.7	496,508
1980	286,262.8	256,407.8	113,478.1	3,346.9	75,991.2	23,750.1	39,841.5	525,472
1981	306,848.9	276,442.6	119,436.8	3,495.2	84,417.0	25,332.7	43,760.9	543,201
1982	320,297.1	288,526.5	124,233.5	3,219.4	86,587.2	26,632.4	47,854.0	559,008
1983	336,770.7	307,322.3	132,438.2	3,267.9	93,534.8	27,798.1	50,283.3	579,269
1984	359,662.5	317,942.0	136,217.8	2,586.5	94,889.2	31,618.0	52,630.5	636,651
1985	366,214.7	322,677.7	141,706.5	2,161.5	89,406.6	32,667.9	56,735.2	680,767
1986	366,024.8	324,664.3	144,547.6	2,164.4	87,300.0	32,480.8	58,171.5	698,667

Source : Public Utilities Board

8 BUILDING CONSTRUCTION AND HOUSING

8 BUILDING CONSTRUCTION AND HOUSING

Building Construction

Building construction includes erections and additions/alterations to existing buildings but excludes erection of temporary structures. Data on planning approval, building plan approval and notice of commencement (NOC) are compiled from records of Development and Building Control Division, Public Works Department and those on projects completed are collected through a survey conducted by the Research and Statistics Unit, Ministry of National Development. For the public sector, only data relating to planning approvals, notices of commencement and projects completed are collected.

Concepts and Definitions

Planning Approval : It refers to 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) : It refers to approval granted by the Development and Building Control Division under the Building Control

Act 1973 for the construction of new building and additions/alterations to existing ones.

Notice of Commencement : For the private sector, it refers to the Notices of Intention to Commence Building Works submitted by the architects/professional engineers to the Building Authority whereas for the public sector, the statistics are compiled from tenders invited by the public authorities for construction works.

Building Completion : Statistics on Building Completion are compiled from completion survey forms sent to architects, engineers and public authorities for information on completed projects.

Gross Floor Area : This 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 rampway of covered car park decks. Area for open airwells is excluded.

Estimated Cost of Construction : It refers to the cost of building and ancillary works. It excludes development charges, professional fees, costs of land and furnishing.

Housing and Development Board

The Housing and Development Board (HDB) is the public housing authority of the Republic of Singapore. It is responsible for formulating and implementing public housing programmes and related facilities such as the development of new towns and housing estates and the provision of communal facilities like sports and swimming complexes, commercial, shopping and social amenities. The Board also acquires land for public housing, clears designated areas for redevelopment, and resettles families, shopkeepers and farmers on State land needed for development projects.

Management of the HDB estates is on a decentralised basis by the 31 Area Offices located

within the various estates throughout Singapore. Rentals and instalment payments for HDB flats are collected at Area Offices.

Housing units managed by the Board are classified according to the number of rooms in each flat. For this purpose, besides the bedrooms, a living room or dining room space is also counted as a room. All units have, in addition, kitchen space and bathroom/toilet facilities. Shops and eating places are generally located on the ground floor of a block of flats.

From May 1982, flats formerly built by the Jurong Town Corporation and the Housing and Urban Development Company came under the management of the HDB.

8.1 PLANNING APPROVALS

Year	Total			Public Sector			Private Sector		
	Number	Gross Floor Area ('000 Sq M)	Estimated Cost of Construction (\$ Million)	Number	Gross Floor Area ('000 Sq M)	Estimated Cost of Construction (\$ Million)	Number	Gross Floor Area ('000 Sq M)	Estimated Cost of Construction (\$ Million) ¹
1976	1,082	6,055.6	1,700.0	179	4,151.0	1,017.2	903	1,904.6	682.8
1977	1,209	5,694.3	1,664.6	136	3,672.4	890.6	1,073	2,021.9	774.0
1978	1,166	6,398.6	1,827.9	202	4,491.3	1,014.2	964	1,907.3	813.7
1979	1,385	7,297.4	2,430.0	259	4,928.6	1,307.7	1,126	2,368.8	1,122.3
1980	1,560	9,343.7	5,313.6	290	5,186.1	1,976.9	1,270	4,157.6	3,336.7
1981	1,712	9,952.8	6,963.6	251	5,359.4	2,741.9	1,461	4,593.4	4,221.7
1982	1,555	12,053.2	10,121.2	226	6,255.4	4,107.3	1,329	5,797.8	6,013.9
1983	1,769	11,669.0	8,077.2	251	7,860.0	4,216.1	1,518	3,809.0	3,861.1
1984	1,780	8,932.8	5,705.6	233	5,983.2	2,993.6	1,547	2,949.6	2,712.0
1985	1,361	7,769.0	3,971.0	272	6,102.9	2,323.7	1,089	1,666.1	1,647.3
1986	1,481	8,616.0	4,315.0	262	7,176.5	3,204.7	1,219	1,439.5	1,110.3

Source : Ministry of National Development

8.2 NOTICES OF COMMENCEMENT OF CONSTRUCTION

Year	Total			Public Sector			Private Sector		
	Number	Gross Floor Area ('000 Sq M)	Estimated Cost of Construction (\$ Million)	Number	Gross Floor Area ('000 Sq M)	Estimated Cost of Construction (\$ Million)	Number	Gross Floor Area ('000 Sq M)	Estimated Cost of Construction (\$ Million)
1976	1,370	5,649.3	1,540.2	431	4,438.2	1,039.0	939	1,211.1	501.2
1977	1,366	5,492.5	1,644.8	371	4,161.1	1,109.9	995	1,331.4	534.9
1978	1,519	5,218.5	1,694.6	477	3,438.7	914.6	1,042	1,779.8	780.0
1979 *	1,635	6,520.8	2,350.0	630	4,647.6	1,446.0	1,005	1,873.2	904.0
1980	1,582	7,371.0	3,845.7	535	4,688.8	1,850.5	1,047	2,682.2	1,995.2
1981	1,970	8,849.9	6,500.8	586	5,381.4	2,819.1	1,384	3,468.5	3,681.7
1982	1,840	12,445.7	10,151.5	593	7,642.0	4,545.7	1,247	4,803.7	5,605.8
1983	2,042	12,454.5	8,590.1	654	8,798.2	4,860.3	1,388	3,656.3	3,729.8
1984	1,996	8,112.0	5,446.6	562	6,179.7	3,496.1	1,434	1,932.3	1,950.5
1985	1,606	6,141.2	3,241.1	542	5,079.0	2,205.6	1,064	1,062.2	1,035.5
1986	1,596	5,428.1	2,653.8	507	4,769.1	2,117.8	1,089	659.0	536.0

Source : Ministry of National Development

8.3 CONSTRUCTION PROJECTS COMPLETED

Year	Total			Public Sector			Private Sector		
	Number	Gross Floor Area ('000 Sq M)	Cost of Construction (\$ Million)	Number	Gross Floor Area ('000 Sq M)	Cost of Construction (\$ Million)	Number	Gross Floor Area ('000 Sq M)	Cost of Construction (\$ Million)
1976	1,372	5,589.4	1,592.1	409	3,539.6	862.7	963	2,049.8	729.4
1977	1,331	5,879.5	1,588.7	352	4,441.2	853.9	979	1,438.3	734.8
1978	1,322	5,938.5	1,315.2	370	4,612.1	809.9	952	1,326.4	505.3
1979	1,366	5,187.3	1,473.8	496	3,486.6	829.8	870	1,700.7	644.0
1980	1,287	5,014.0	1,482.4	499	3,437.1	793.4	788	1,576.9	689.0
1981	1,477	4,842.3	2,253.3	499	2,621.7	1,056.4	978	2,220.6	1,196.9
1982	1,621	6,123.3	3,873.8	499	3,599.0	1,564.5	1,122	2,524.3	2,309.3
1983	1,641	6,725.1	4,609.3	518	3,893.9	2,052.9	1,123	2,831.2	2,556.4
1984	2,006	14,989.5	8,834.4	675	11,662.1	5,300.0	1,331	3,327.4	3,534.4
1985	1,925	11,423.9	6,621.2	614	8,545.5	3,672.8	1,311	2,878.4	2,948.4
1986	1,661	9,040.9	6,425.6	518	6,231.0	3,102.1	1,143	2,809.9	3,323.5

Source : Ministry of National Development

8.4 PLANNING APPROVALS BY TYPE OF DEVELOPMENT

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	
All Types	Number											
	1,082	1,209	1,166	1,385	1,560	1,712	1,555	1,769	1,780	1,361	1,481	
	Residential	469	464	358	495	679	777	706	983	986	646	773
	Commercial	158	153	159	182	205	145	158	137	137	116	139
	Industrial	275	452	463	496	426	531	457	378	384	290	273
	Institutional	164	133	180	199	228	230	197	237	254	295	275
	Others	16	7	6	13	22	29	37	34	19	14	21
All Types	Gross Floor Area (Thousand Square Metres)											
	6,055.6	5,694.3	6,398.6	7,297.4	9,343.7	9,952.8	12,053.2	11,669.0	8,932.8	7,769.0	8,616.0	
	Residential	3,718.6	3,396.1	4,326.3	4,651.9	5,534.3	5,290.0	6,042.8	8,745.6	6,432.8	5,888.6	6,598.2
	Commercial	680.1	602.6	430.3	695.7	1,403.7	1,533.5	3,282.9	698.7	787.3	409.7	279.7
	Industrial	1,247.2	1,318.4	1,281.7	1,686.7	1,826.9	2,504.0	2,072.2	1,180.8	881.0	933.9	558.6
	Institutional	276.9	371.2	354.4	256.8	552.0	577.7	416.0	828.4	785.1	530.3	1,132.5
	Others	132.8	6.0	5.9	6.3	26.8	47.6	239.3	215.5	46.6	6.5	47.0
All Types	Estimated Cost of Construction (Million Dollars)											
	1,700.0	1,664.6	1,827.9	2,430.0	5,313.6	6,963.6	10,121.2	8,077.2	5,705.6	3,971.0	4,315.0	
	Residential	870.0	747.7	915.5	1,205.5	2,083.0	2,886.0	3,829.1	5,312.1	3,427.8	2,231.7	2,627.0
	Commercial	289.0	319.7	236.7	479.7	1,327.2	1,473.4	4,317.0	981.8	722.0	579.7	219.2
	Industrial	322.5	381.7	464.9	562.0	1,411.7	1,969.5	1,355.0	880.6	627.9	526.1	361.6
	Institutional	210.2	213.1	208.7	182.1	483.2	603.7	592.9	834.3	919.3	631.7	1,087.4
	Others	8.3	2.4	2.1	0.7	8.5	31.0	27.2	68.4	8.6	1.8	19.8

Source : Ministry of National Development

8.5 PUBLIC SECTOR PLANNING APPROVALS BY TYPE OF DEVELOPMENT

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Number											
All Types	179	136	202	259	290	251	226	251	233	272	262
Residential	30	20	29	42	33	25	37	40	30	22	38
Commercial	25	15	16	37	59	25	19	14	13	9	17
Industrial	19	22	16	22	18	18	14	9	3	1	-
Institutional	104	77	137	158	174	178	155	186	186	234	199
Others	1	2	4	-	6	5	1	2	1	6	8
Gross Floor Area (Thousand Square Metres)											
All Types	4,151.0	3,672.4	4,491.3	4,928.6	5,186.1	5,359.4	6,255.4	7,860.0	5,983.2	6,102.9	7,176.5
Residential	2,918.6	2,585.2	3,915.3	3,831.9	3,722.3	3,415.4	4,541.6	6,712.7	4,906.1	5,227.5	5,900.3
Commercial	266.3	232.9	16.8	121.3	283.7	516.7	599.9	39.2	245.6	131.2	178.2
Industrial	749.4	609.1	293.9	765.6	676.2	928.8	745.0	281.8	123.5	308.5	-
Institutional	216.6	243.9	264.6	209.8	482.0	498.2	368.8	759.5	706.1	433.4	1,054.2
Others	0.1	1.3	0.7	-	21.9	0.3	0.1	66.8	1.9	2.3	43.8
Estimated Cost of Construction (Million Dollars)											
All Types	1,017.2	890.6	1,014.2	1,307.7	1,976.9	2,741.9	4,107.3	4,216.1	2,993.6	2,323.7	3,204.7
Residential	561.9	484.5	759.8	874.2	1,088.3	1,413.0	2,215.8	3,170.2	1,952.4	1,610.1	2,038.7
Commercial	82.0	109.6	7.1	64.1	147.4	319.2	964.6	44.8	156.9	82.6	126.2
Industrial	188.3	153.7	82.6	218.3	317.5	493.1	391.9	195.8	48.5	106.0	-
Institutional	185.0	142.4	162.8	151.1	418.2	513.1	534.7	753.3	833.8	524.0	1,021.6
Others	-	0.4	1.9	-	5.5	3.5	0.3	52.0	2.0	1.0	18.2

Source : Ministry of National Development

8.6 PRIVATE SECTOR PLANNING APPROVALS BY TYPE OF DEVELOPMENT

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Number											
All Types	903	1,073	964	1,126	1,270	1,461	1,329	1,518	1,547	1,089	1,219
Residential	439	444	329	453	646	752	669	943	956	624	735
Commercial	133	138	143	145	146	120	139	123	124	107	122
Industrial	256	430	447	474	408	513	443	369	381	289	273
Institutional	60	56	43	41	54	52	42	51	68	61	76
Others	15	5	2	13	16	24	36	32	18	8	13
Gross Floor Area (Thousand Square Metres)											
All Types	1,904.6	2,021.9	1,907.3	2,368.8	4,157.6	4,593.4	5,797.8	3,809.0	2,949.6	1,666.1	1,439.5
Residential	800.0	810.9	411.0	820.0	1,812.0	1,874.6	1,501.2	2,032.9	1,526.7	661.1	697.9
Commercial	413.8	369.7	413.5	574.4	1,120.0	1,016.7	2,683.0	659.5	541.7	278.5	101.5
Industrial	497.8	709.3	987.8	921.1	1,150.7	1,575.3	1,327.2	899.0	757.5	625.4	558.6
Institutional	60.3	127.3	89.8	47.0	70.0	79.5	47.2	68.9	79.0	96.9	78.3
Others	132.7	4.7	5.2	6.3	4.9	47.3	239.2	148.7	44.7	4.2	3.2
Estimated Cost of Construction (Million Dollars)											
All Types	682.8	774.0	813.7	1,122.3	3,336.7	4,221.7	6,013.9	3,861.1	2,712.0	1,647.3	1,110.3
Residential	308.1	263.2	155.7	331.3	994.7	1,473.0	1,613.3	2,141.9	1,475.4	621.6	588.3
Commercial	207.0	210.1	229.6	415.6	1,179.8	1,154.2	3,352.4	937.0	565.1	497.1	93.0
Industrial	134.2	228.0	382.3	343.7	1,094.2	1,476.4	963.1	684.8	579.4	420.1	361.6
Institutional	25.2	70.7	45.9	31.0	65.0	90.6	58.2	81.0	85.5	107.7	65.8
Others	8.3	2.0	0.2	0.7	3.0	27.5	26.9	16.4	6.6	0.8	1.6

Source : Ministry of National Development

8.7 NOTICES OF COMMENCEMENT OF CONSTRUCTION BY TYPE OF DEVELOPMENT

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	
All Types	Number											
	1,370	1,366	1,519	1,635	1,582	1,970	1,840	2,042	1,996	1,606	1,596	
	Residential	569	521	472	561	577	777	746	999	904	693	661
	Commercial	221	201	236	247	270	209	226	210	274	228	294
	Industrial	314	417	500	479	459	559	485	400	405	286	296
	Institutional	252	213	292	329	254	395	353	405	387	382	319
	Others	14	14	19	19	22	30	30	28	26	17	26
All Types	Gross Floor Area (Thousand Square Metres)											
	5,649.3	5,492.5	5,218.5	6,520.8	7,371.0	8,849.9	12,445.7	12,454.5	8,112.0	6,141.2	5,428.1	
	Residential	4,278.1	3,715.7	2,953.1	4,084.5	4,321.3	5,419.9	7,456.3	9,141.2	5,881.7	4,969.6	4,313.0
	Commercial	468.9	395.5	633.8	610.9	1,122.7	1,024.5	2,321.9	940.0	657.0	350.1	141.3
	Industrial	586.6	851.4	1,118.0	1,322.3	1,636.3	1,748.3	1,884.7	943.7	664.2	277.4	282.5
	Institutional	242.6	515.5	502.6	494.3	278.8	602.8	667.0	1,059.0	722.6	493.1	640.7
	Others	73.1	14.4	11.0	8.8	11.9	54.4	115.8	370.6	186.5	51.0	50.6
All Types	Estimated Cost of Construction (Million Dollars)											
	1,540.2	1,644.8	1,694.6	2,350.0	3,845.7	6,500.8	10,151.5	8,590.1	5,446.6	3,241.1	2,653.8	
	Residential	874.1	680.8	597.8	1,080.9	1,593.6	2,948.0	4,437.9	4,972.7	2,730.0	2,101.5	1,679.8
	Commercial	247.4	241.6	378.7	406.6	1,130.4	1,257.7	3,510.0	1,208.8	860.2	384.4	150.7
	Industrial	179.3	232.9	353.2	471.5	849.9	1,558.2	1,176.9	783.4	517.0	216.1	228.8
	Institutional	234.1	486.2	359.3	388.2	268.2	717.2	1,001.9	1,537.6	1,165.7	512.9	541.5
	Others	5.3	3.3	5.6	2.8	3.6	19.7	24.8	87.6	173.7	26.2	53.0

Source : Ministry of National Development

8.8 PUBLIC SECTOR NOTICES OF COMMENCEMENT OF CONSTRUCTION BY TYPE OF DEVELOPMENT

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
	Number										
All Types	431	371	477	630	535	586	593	654	562	542	507
Residential	142	132	148	214	162	151	205	206	179	158	183
Commercial	47	32	40	73	104	43	41	52	49	34	37
Industrial	38	39	39	39	40	45	43	32	17	14	29
Institutional	197	159	231	294	220	340	300	359	315	326	244
Others	7	9	19	10	9	7	4	5	2	10	14
	Gross Floor Area (Thousand Square Metres)										
All Types	4,438.2	4,161.1	3,438.7	4,647.6	4,688.8	5,381.4	7,642.0	8,798.2	6,179.7	5,079.0	4,769.1
Residential	3,785.7	3,335.6	2,582.3	3,344.7	3,381.6	4,010.9	5,810.2	7,315.0	5,140.5	4,462.5	4,052.2
Commercial	204.5	80.8	111.6	253.2	428.8	300.1	392.6	289.2	219.5	129.8	75.0
Industrial	262.6	325.6	338.6	582.0	631.9	525.4	821.2	120.4	43.9	-	-
Institutional	184.7	413.6	395.2	464.9	245.9	541.1	613.0	1,005.2	650.2	443.7	595.6
Others	0.7	5.5	11.0	2.8	0.6	3.9	5.0	68.4	125.6	43.0	46.3
	Estimated Cost of Construction (Million Dollars)										
All Types	1,039.0	1,109.9	914.6	1,446.0	1,850.5	2,819.1	4,545.7	4,860.3	3,496.1	2,205.6	2,117.8
Residential	693.1	558.4	458.6	767.4	993.4	1,647.5	2,626.2	3,024.1	2,002.8	1,639.3	1,471.4
Commercial	72.7	39.0	61.6	134.0	309.0	231.0	573.9	218.5	217.5	73.2	81.3
Industrial	69.8	86.4	88.6	176.2	308.0	282.3	408.1	102.2	30.2	7.0	18.3
Institutional	203.2	425.5	300.2	366.0	238.5	653.9	932.6	1,463.5	1,079.2	460.9	495.5
Others	0.2	0.6	5.6	2.4	1.6	4.4	4.9	52.0	166.4	25.2	51.3

Source : Ministry of National Development

8.9 PRIVATE SECTOR NOTICES OF COMMENCEMENT OF CONSTRUCTION BY TYPE OF DEVELOPMENT

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
	Number										
All Types	939	995	1,042	1,005	1,047	1,384	1,247	1,388	1,434	1,064	1,089
Residential	427	389	324	347	415	626	541	793	725	535	478
Commercial	174	169	196	174	166	166	185	158	225	194	257
Industrial	276	378	461	440	419	514	442	368	388	272	267
Institutional	55	54	61	35	34	55	53	46	72	56	75
Others	7	5	-	9	13	23	26	23	24	7	12
	Gross Floor Area (Thousand Square Metres)										
All Types	1,211.1	1,331.4	1,779.8	1,873.2	2,682.2	3,468.5	4,803.7	3,656.3	1,932.3	1,062.2	659.0
Residential	492.4	380.1	370.8	739.8	939.7	1,409.0	1,646.1	1,826.2	741.2	507.1	260.8
Commercial	264.4	314.7	522.2	357.7	693.9	724.4	1,929.3	650.8	437.5	220.3	66.3
Industrial	324.0	525.8	779.4	740.3	1,004.4	1,222.9	1,063.5	823.3	620.3	277.4	282.5
Institutional	57.9	101.9	107.4	29.4	32.9	61.7	54.0	53.8	72.4	49.4	45.1
Others	72.4	8.9	-	6.0	11.3	50.5	110.8	302.2	60.9	8.0	4.3
	Estimated Cost of Construction (Million Dollars)										
All Types	501.2	534.9	780.0	904.0	1,995.2	3,681.7	5,605.8	3,729.8	1,950.5	1,035.5	536.0
Residential	181.0	122.4	139.2	313.5	600.2	1,300.5	1,811.7	1,948.6	727.2	462.2	208.4
Commercial	174.7	202.6	317.1	272.6	821.4	1,026.7	2,936.1	990.3	642.7	311.2	69.4
Industrial	109.5	146.5	264.6	295.3	541.9	1,275.9	768.8	681.2	486.8	209.1	210.5
Institutional	30.9	60.7	59.1	22.2	29.7	63.3	69.3	74.1	86.5	52.0	46.0
Others	5.1	2.7	-	0.4	2.0	15.3	19.9	35.6	7.3	1.0	1.7

Source : Ministry of National Development

8.10 CONSTRUCTION PROJECTS COMPLETED BY TYPE OF DEVELOPMENT

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	
All Types	Number											
	1,372	1,331	1,322	1,366	1,287	1,477	1,621	1,641	2,006	1,925	1,661	
	Residential	570	556	507	420	424	500	578	700	877	933	752
	Commercial	218	217	172	221	227	211	193	182	289	218	279
	Industrial	316	335	410	417	376	435	489	396	437	361	257
	Institutional	252	211	217	284	243	311	346	344	388	395	355
	Others	16	12	16	24	17	20	15	19	15	18	18
All Types	Gross Floor Area (Thousand Square Metres)											
	5,589.4	5,879.5	5,938.5	5,187.3	5,014.0	4,842.3	6,123.3	6,725.1	14,989.5	11,423.9	9,040.9	
	Residential	3,432.4	4,049.2	4,650.3	3,443.2	3,157.2	2,123.3	2,894.3	3,754.7	11,217.2	9,221.5	6,250.9
	Commercial	1,091.7	495.8	323.5	446.7	452.0	973.2	928.5	850.8	1,506.3	728.2	1,448.5
	Industrial	692.7	849.8	802.5	836.7	1,105.8	1,053.4	1,756.4	1,549.3	1,531.1	984.9	473.2
	Institutional	359.2	484.1	141.3	356.7	280.0	688.7	532.4	505.3	673.2	460.9	852.7
	Others	13.4	0.6	20.9	104.0	19.0	3.7	11.7	65.0	61.7	28.4	15.6
All Types	Cost of Construction (Million Dollars)											
	1,592.1	1,588.7	1,315.2	1,473.8	1,482.4	2,253.3	3,873.8	4,609.3	8,834.4	6,621.2	6,425.6	
	Residential	687.8	667.1	788.9	704.1	660.8	682.7	969.0	1,958.0	4,994.8	4,497.4	2,828.4
	Commercial	441.6	248.2	149.5	214.3	230.5	420.3	718.1	801.6	1,856.5	892.3	2,256.9
	Industrial	221.0	378.1	287.9	240.1	381.4	506.9	1,465.4	1,144.8	1,035.9	699.5	333.8
	Institutional	236.4	294.6	85.9	307.3	204.3	638.3	713.5	689.1	902.4	526.5	1,003.8
	Others	5.3	0.7	3.0	8.0	5.4	5.1	7.8	15.8	44.8	5.5	2.7

Source : Ministry of National Development

8.11 PUBLIC SECTOR CONSTRUCTION PROJECTS COMPLETED BY TYPE OF DEVELOPMENT

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	
All Types	Number											
	409	352	370	496	499	499	499	518	675	614	518	
	Residential	115	123	143	147	161	136	130	137	235	227	171
	Commercial	53	34	27	65	76	58	37	40	60	28	31
	Industrial	37	34	18	31	38	28	34	47	39	29	19
	Institutional	193	154	169	242	216	268	296	293	336	328	291
	Others	11	7	13	11	8	9	2	1	5	2	6
All Types	Gross Floor Area (Thousand Square Metres)											
	3,539.6	4,441.2	4,612.1	3,486.6	3,437.1	2,621.7	3,599.0	3,893.9	11,662.1	8,545.5	6,231.0	
	Residential	2,689.9	3,574.6	3,996.6	2,811.1	2,597.5	1,427.9	2,338.1	2,561.2	9,960.1	7,511.6	5,099.8
	Commercial	292.7	125.3	172.5	99.2	149.9	369.9	266.2	259.5	464.5	272.6	274.0
	Industrial	259.1	319.2	309.7	267.2	465.1	236.7	507.4	623.8	583.1	349.0	44.0
	Institutional	293.0	421.7	121.0	306.2	222.3	586.9	484.4	446.1	604.6	411.5	812.8
	Others	4.9	0.4	12.3	2.9	2.3	0.3	2.9	3.3	49.8	0.8	0.4
All Types	Cost of Construction (Million Dollars)											
	862.7	853.9	809.9	829.8	793.4	1,056.4	1,564.5	2,052.9	5,300.0	3,672.8	3,102.1	
	Residential	479.6	503.4	596.9	450.0	448.8	351.6	558.1	930.4	3,754.2	2,798.5	1,799.3
	Commercial	109.1	25.3	54.5	36.1	47.1	54.9	146.4	211.7	434.6	235.8	307.3
	Industrial	61.0	72.4	83.9	67.6	125.8	77.7	194.9	300.5	272.9	165.5	32.4
	Institutional	210.6	252.4	73.8	275.3	167.8	570.2	661.9	608.4	802.7	472.5	962.1
	Others	2.4	0.4	0.8	0.8	3.9	2.0	3.2	1.9	35.6	0.5	1.0

Source : Ministry of National Development

8.12 PRIVATE SECTOR CONSTRUCTION PROJECTS COMPLETED BY TYPE OF DEVELOPMENT

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
All Types	Number										
	963	979	952	870	788	978	1,122	1,123	1,331	1,311	1,143
	Residential	455	433	364	273	263	364	448	563	642	706
	Commercial	165	183	145	156	151	153	156	142	229	190
	Industrial	279	301	392	386	338	407	455	349	398	332
	Institutional	59	57	48	42	27	43	50	51	52	67
	Others	5	5	3	13	9	11	13	18	10	16
All Types	Gross Floor Area (Thousand Square Metres)										
	2,049.8	1,438.3	1,326.4	1,700.7	1,576.9	2,220.6	2,524.3	2,831.2	3,327.4	2,878.4	2,809.9
	Residential	742.5	474.6	653.7	632.1	559.7	695.4	556.2	1,193.5	1,257.1	1,709.9
	Commercial	799.0	370.5	151.0	347.5	302.1	603.3	662.3	591.3	1,041.8	455.6
	Industrial	433.6	530.6	492.8	569.5	640.7	816.7	1,249.0	925.5	948.0	635.9
	Institutional	66.2	62.4	20.3	50.5	57.7	101.8	48.0	59.2	68.6	49.4
	Others	8.5	0.2	8.6	101.1	16.7	3.4	8.8	61.7	11.9	27.6
All Types	Cost of Construction (Million Dollars)										
	729.4	734.8	505.3	644.0	689.0	1,196.9	2,309.3	2,556.4	3,534.4	2,948.4	3,323.5
	Residential	208.2	163.7	192.0	254.1	212.0	331.1	410.9	1,027.6	1,240.6	1,698.9
	Commercial	332.5	222.9	95.0	178.2	183.4	365.4	571.7	589.9	1,421.9	656.5
	Industrial	160.0	305.7	204.0	172.5	255.6	429.2	1,270.5	844.3	763.0	534.0
	Institutional	25.8	42.2	12.1	32.0	36.5	68.1	51.6	80.7	99.7	54.0
	Others	2.9	0.3	2.2	7.2	1.5	3.1	4.6	13.9	9.2	5.0

Source : Ministry of National Development

8.13 PRIVATE SECTOR BUILDING PLAN APPROVALS BY TYPE OF DEVELOPMENT

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
All Types	Number										
	932	1,089	1,099	1,067	1,244	1,473	1,306	1,533	1,669	1,322	1,207
	Residential	412	404	345	364	523	675	595	825	862	652
	Commercial	194	194	196	188	205	186	176	198	260	243
	Industrial	263	427	495	474	458	534	456	422	444	350
	Institutional	55	56	60	33	43	55	55	54	77	67
	Others	8	8	3	8	15	23	24	34	26	10
All Types	Gross Floor Area (Thousand Square Metres)										
	1,539.2	1,663.8	1,900.6	1,862.3	2,777.5	3,486.8	3,406.4	5,538.6	2,822.2	1,958.7	889.2
	Residential	612.0	400.6	415.8	551.6	942.6	1,244.2	1,159.3	2,083.1	1,132.7	880.0
	Commercial	369.9	522.9	521.9	466.4	750.3	971.5	1,012.9	2,144.6	802.0	581.4
	Industrial	400.5	610.2	854.2	806.6	1,038.4	1,174.2	1,073.5	1,015.9	680.5	422.4
	Institutional	61.4	107.6	108.2	27.9	38.6	69.1	51.4	55.7	64.0	68.3
	Others	95.4	22.5	0.5	9.8	7.6	27.8	109.3	239.3	143.0	6.6
All Types	Estimated Cost of Construction (Million Dollars)										
	654.1	660.2	791.7	956.1	2,050.0	3,607.4	3,323.1	6,396.4	2,884.0	1,952.7	835.3
	Residential	228.2	134.1	145.0	237.2	569.4	1,109.6	1,179.5	2,186.4	1,195.4	762.5
	Commercial	246.4	298.1	303.5	375.2	890.3	1,197.8	1,296.2	3,216.8	1,087.3	771.1
	Industrial	139.5	162.8	283.2	322.4	556.4	1,229.1	767.2	890.0	505.8	345.3
	Institutional	34.5	61.0	59.8	20.9	32.4	62.4	61.3	77.4	72.7	72.7
	Others	5.5	4.2	0.2	0.4	1.5	8.5	18.9	25.8	22.8	1.1

Source : Ministry of National Development

8.14 NUMBER OF RESIDENTIAL UNITS IN THE PUBLIC SECTOR BY TYPE OF BUILDING

Number

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
All Types	Planning Approval Stage										
	26,969	26,751	36,445	36,365	29,371	27,468	40,793	54,709	39,018	33,339	37,706
	Detached	-	-	-	-	-	16	-	-	-	-
	Terrace	-	-	-	-	-	12	-	-	-	1
	Flats	26,919	26,275	36,423	36,362	29,307	27,468	40,755	54,709	38,922	37,705
	Others	50	476	22	3	64	-	10	-	96	20
All Types	Notice of Commencement Stage										
	36,625	31,329	24,661	27,913	24,950	30,255	46,721	59,201	39,676	31,854	26,584
	Detached	-	-	-	-	-	16	-	-	-	-
	Terrace	-	-	-	-	-	12	-	-	-	-
	Flats	36,156	30,865	24,641	27,909	24,950	30,255	46,683	59,105	39,676	31,834
	Others	469	464	20	4	-	-	10	96	-	20
All Types	Building Completion Stage										
	26,538	35,472	37,715	27,174	23,886	12,464	19,512	19,275	78,288	59,633	38,499
	Detached	-	-	-	-	-	-	-	16	-	-
	Terrace	-	-	-	-	-	-	-	12	-	-
	Flats	26,534	35,454	37,290	26,707	23,872	12,401	19,275	78,244	59,633	38,403
	Others	4	18	425	467	14	63	2	16	-	96

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

Source : Ministry of National Development

8.15 NUMBER OF RESIDENTIAL UNITS IN THE PRIVATE SECTOR BY TYPE OF BUILDING

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
All Types Detached Semi-detached Terrace Flats Others	Planning Approval Stage										
	3,361	3,842	1,996	3,587	8,037	8,174	6,535	8,933	6,484	2,535	2,847
	92	77	69	103	177	247	213	291	289	174	137
	118	147	106	250	297	232	275	566	912	192	290
	250	155	123	312	507	396	227	1,030	1,396	384	765
	2,856	3,412	1,590	2,883	6,993	7,291	5,820	7,035	3,883	1,785	1,649
	45	51	108	39	63	8	-	11	4	-	6
	Building Plan Approval Stage										
	2,632	1,625	2,018	2,584	3,716	5,532	4,817	9,436	4,461	3,777	2,067
	64	66	62	75	144	196	149	239	273	165	75
	111	126	143	215	329	208	166	418	477	528	235
	212	191	99	131	402	410	233	639	663	824	504
	2,225	1,184	1,679	2,096	2,840	4,654	4,264	8,132	3,045	2,259	1,253
	20	58	35	67	1	64	5	8	3	1	-
	Notice of Commencement Stage										
	1,977	1,728	1,864	3,517	3,968	6,270	7,829	7,465	2,929	2,107	990
	59	56	59	65	109	195	149	223	211	107	53
	78	109	66	144	273	206	170	487	430	420	183
	239	118	109*	126	351	395	270	836	504	544	422
	1,588	1,416	1,598	3,133	3,203	5,410	7,239	5,906	1,781	1,035	326
	13	29	32	49	32	64	1	13	3	1	6
	Building Completion Stage										
	3,482	2,242	2,939	2,780	2,212	3,186	2,476	4,919	5,441	7,388	5,171
	232	100	90	86	96	110	124	161	144	179	109
	414	287	276	225	214	328	229	357	290	377	385
	999	248	323	291	442	231	183	481	365	674	365
	1,828	1,606	2,245	2,146	1,453	2,510	1,880	3,902	4,595	6,150	4,312
	9	1	5	32	7	7	60	18	47	8	-

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

Source : Ministry of National Development

8.16 UNITS UNDER MANAGEMENT OF HOUSING AND DEVELOPMENT BOARD

Number

End of Year	Dwellings								Shops
	Total	One-room	Two-room	Three-room	Four-room	Five-room	Executive	HUDC	
1976	257,271	73,530	40,896	111,493	23,095	7,887	-	370	7,411
1977	297,199	75,008	44,293	129,077	34,894	11,889	-	2,038	9,182
1978	330,495	76,072	45,658	147,579	43,607	15,469	-	2,110	10,295
1979	353,961	71,950	47,139	165,098	49,823	17,841	-	2,110	12,169
1980	372,640	69,230	48,633	176,003	55,719	20,459	-	2,596	14,139
1981	383,026	67,132	48,867	181,489	59,971	22,835	-	2,732	15,386
1982	399,935	65,908	48,644	190,688	65,521	26,442	-	2,732	16,784
1983	430,169	60,982	48,563	203,116	81,082	31,345	1,867	3,214	18,729
1984	506,340	60,283	48,622	229,671	116,764	40,678	5,400	4,922	21,209
1985	551,767	60,105	48,566	242,878	139,136	45,097	8,266	7,719	25,175
1986	585,445	58,957	48,002	252,039	157,902	51,484	11,454	5,607	25,926

e : Figures include units managed by Jurong Town Corporation (from 1973-April 1982)
and Housing and Urban Development Company (from 1976/77-April 1982).

Source : Housing & Development Board
Jurong Town Corporation
Housing & Urban Development Company

8.17 DWELLING UNITS CONSTRUCTED AND SOLD BY HOUSING AND DEVELOPMENT BOARD

Year	Flats Constructed ¹	Flats Sold Under 'Home Ownership Scheme' ¹	Percentage of Total Population Living in Public Flats (End of Period)
	Number		
1976	31,025	23,345	60
1977	30,498	36,536	64
1978	29,742	25,600	68
1979	26,709	23,584	71
1980	18,421	23,234	73
1981	15,381	11,129	74
1982	19,532	21,403	75
1983	40,062	34,013	77
1984	67,017	81,823	81
1985	46,370 ²	34,856	84
1986	38,907 ²	30,575	85

¹ Figures include units constructed and sold by Jurong Town Corporation prior to 1982, but exclude those constructed and sold by Housing and Urban Development Company.

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

Source : Housing & Development Board
Jurong Town Corporation
Housing & Urban Development Company

9 COMMERCE AND SERVICES

The Survey of Services and Commerce have been conducted biennially by the Department of Statistics since 1972. However, with effect from 1985, both surveys are conducted annually. The Survey of Services covers establishments including statutory boards and non-profit organizations engaged in transport, storage and communication, financing, insurance, real estate, business services and community, social and personal services but excludes government ministries and departments, foreign missions, political parties, taxis and trishaw operators, independent artistes and domestic servants. The Survey of Commerce covers wholesale and retail trades, restaurants and hotels but excludes hawkers and stall-holders.

Prior to 1976, both surveys were conducted on a full coverage. From 1976 onwards except when a census was conducted in 1983 for commerce and in 1984 for services, the surveys were conducted on a sample basis using stratified sampling methods at the detailed industry level. Within each industry, large establishments were automatically selected and they accounted for about 80 per cent of total operating receipts.

The statistical unit used in both surveys is the establishment. A separate return is required from each branch of a multi-activity firm, organization or enterprise. However, a consolidated return in respect of the multi-establishment firm, organization or enterprise is allowed if the accounts are so kept that it is impossible for the respondent to comply.

The terms used in the following tables are defined below :

Employment : 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.

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

Turnover/Operating Receipts : Total receipts and receivables from sales of goods and services including commissions and brokerage fees, insurance premiums and rental income. However, for financing establishments, operating receipts include interest, dividend income and gains from transactions in stocks and shares and foreign exchange.

Value Added : Comprised operating surplus, remuneration, interest payment, rental payment for buildings and premises and depreciation allowances.

Operating Surplus : The excess of turnover/operating receipts over operating expenditure.

9.1 PRINCIPAL STATISTICS OF COMMERCE SECTOR BY INDUSTRY

Year	Establishments	Employment	Remuneration	Turnover	Operating Surplus	Value Added	
	Number		Million Dollars				
	Total						
	1973	19,308	131,207	536	16,156	977	1,774
	1975	23,593	154,853	819	22,952	1,360	2,608
	1977	27,987	172,641	1,037	29,963	1,517	3,085
	1979	34,441	200,471	1,441	50,782	2,802	5,075
	1981	38,237	215,294	1,992	66,006	2,329	5,779
	1983	39,126	226,717	2,789	77,166	1,886	6,615
	Wholesale Trade						
	1973	6,186	52,090	311	12,284	684	1,140
	1975	9,338	71,840	535	18,563	1,020	1,818
1977	12,164	82,254	685	24,484	1,082	2,097	
1979	15,783	97,319	954	42,943	2,150	3,633	
1981	18,794	107,316	1,323	55,828	1,588	3,888	
1983	20,103	115,149	1,871	65,024	1,286	4,416	
	Retail Trade						
	1973	10,918	50,691	138	3,430	265	473
	1975	11,870	52,644	163	3,772	286	552
	1977	13,279	56,835	198	4,680	325	660
	1979	15,742	66,048	270	6,659	470	932
	1981	16,457	65,462	353	8,436	450	1,106
	1983	16,029	66,096	465	10,020	381	1,281
	Restaurants and Hotels						
	1973	2,204	28,426	87	442	28	161
	1975	2,385	30,369	121	617	54	239
1977	2,544	33,552	154	798	109	328	
1979	2,916	37,104	217	1,181	182	510	
1981	2,986	42,516	316	1,742	291	784	
1983	2,994	45,472	453	2,123	218	918	

9.2 SELECTED AVERAGES AND RATIOS IN COMMERCE SECTOR

	Turnover	Operating Surplus	Value Added	Value Added Per Person Engaged	Operating Surplus to Turnover	Remuneration to Operating Expenditure	Remuneration to Value Added
	Per Establishment						
	Thousand Dollars				Per Cent		
Total							
1973	837	51	92	14	6.0	3.5	30.2
1975	973	58	111	17	5.9	3.8	31.4
1977	1,071	54	110	18	5.1	3.6	33.6
1979	1,474	81	147	25	5.5	3.0	28.4
1981	1,726	61	151	27	3.5	3.1	34.5
1983	1,972	48	169	29	2.4	3.7	42.2
Wholesale Trade							
1973	1,986	111	184	22	5.6	2.7	27.3
1975	1,988	109	195	25	5.5	3.1	29.5
1977	2,013	89	172	25	4.4	2.9	32.7
1979	2,721	136	230	37	5.0	2.3	26.3
1981	2,971	84	207	36	2.8	2.4	34.0
1983	3,235	64	220	38	2.0	2.9	42.4
Retail Trade							
1973	314	24	43	9	7.7	4.3	29.0
1975	318	24	46	10	7.6	4.7	29.5
1977	352	24	50	12	6.9	4.5	30.0
1979	423	30	59	14	7.1	4.4	28.9
1981	513	27	67	17	5.3	4.4	31.9
1983	625	24	80	19	3.8	4.8	36.3
Restaurants & Hotels							
1973	200	13	73	6	6.4	21.2	54.5
1975	259	23	100	8	8.7	21.5	50.7
1977	314	43	129	10	13.7	22.3	46.9
1979	405	62	175	14	15.4	21.7	42.5
1981	583	97	263	18	16.7	21.8	40.4
1983	709	73	307	20	10.3	23.8	49.3

9.3 PRINCIPAL STATISTICS OF SERVICES SECTOR BY INDUSTRY

Year	Establishments	Employment	Remuneration	Operating Receipts	Operating Surplus	Value Added
	Number		Million Dollars			
Transport, Storage and Communications						
1976	3,852	74,985	698	3,861	444	1,640
1978	4,466	83,271	899	5,500	617	2,308
1980	5,703	89,429	1,123	8,362	863	3,045
1982	6,002	90,290	1,476	10,208	647	3,790
1984	5,880	86,457	1,750	11,276	335	4,323
Financing and Insurance Services						
1976	1,624	21,771	289	5,013	868	853
1978	1,743	23,594	362	8,291	1,377	1,244
1980	2,330	28,117	542	19,346	2,819	2,177
1982	2,857	33,917	836	40,324	4,392	3,350
1984	3,341	37,599	1,159	44,806	4,750	4,128
Real Estate & Business Services						
1976	3,659	41,256	373	2,110	-3	846
1978	4,319	43,906	438	3,087	177	1,154
1980	6,516	59,695	718	4,451	491	1,991
1982	7,791	67,100	1,085	6,670	606	3,149
1984	8,966	71,887	1,493	13,594	462	4,409
Community, Social and Personal Services						
1976	6,156	35,734	145	594	128	316
1978	7,443	39,720	176	773	161	396
1980	8,162	40,180	236	1,051	234	556
1982	8,119	42,160	332	1,303	235	697
1984	7,777	43,071	452	1,627	225	859
Non-profit Organizations						
1976	3,628	25,699	220	94	-	236
1978	3,805	25,805	256	115	-	278
1980	4,372	25,918	348	151	-	374
1982	4,674	25,840	510	182	-	558
1984	4,598	30,147	710	285	-	782

9.4 SELECTED AVERAGES AND RATIOS IN SERVICES SECTOR

(Excluding Non-profit Organizations)

	Operating Receipts	Operating Surplus	Value Added	Value Added Per Person Engaged	Operating Surplus to Operating Receipts	Remuneration to Operating Expenditure	Remuneration to Value Added
	Per Establishment						
	Thousand Dollars						
Total							
1976	757	94	239	21	12.4	15.1	41.2
1978	982	130	284	27	13.2	12.4	36.8
1980	1,462	194	342	36	13.3	9.2	33.7
1982	2,362	237	444	47	10.0	7.2	33.9
1984	2,746	222	528	57	8.1	7.5	35.4
Transport, Storage & Communications							
1976	1,002	115	426	22	11.5	21.5	42.6
1978	1,231	138	517	28	11.2	19.2	39.0
1980	1,466	151	534	34	10.3	15.6	36.9
1982	1,701	108	632	42	6.3	16.2	38.9
1984	1,918	57	735	50	3.0	16.9	40.5
Financing & Insurance Services							
1976	3,087	534	525	39	17.3	7.0	33.9
1978	4,757	790	714	53	16.6	5.2	29.1
1980	8,303	1,210	934	77	14.6	3.3	24.9
1982	14,114	1,537	1,173	99	10.9	2.3	25.0
1984	13,411	1,422	1,236	110	10.6	2.9	28.1
Real Estate & Business Services							
1976	577	-1	231	21	-0.1	17.8	44.1
1978	715	41	267	26	5.7	15.2	38.0
1980	683	75	306	33	11.0	18.3	36.1
1982	856	78	404	47	9.1	18.0	34.5
1984	1,516	51	492	61	3.4	11.4	33.9
Community, Social & Personal Services							
1976	96	21	51	9	21.5	31.2	45.9
1978	104	22	53	10	20.8	28.7	44.4
1980	129	29	68	14	22.2	28.8	42.4
1982	160	29	86	17	18.0	31.1	47.6
1984	209	29	111	20	13.8	32.2	52.6

10 EXTERNAL TRADE

Source of Data

Singapore's external trade statistics are compiled by the Department of Statistics from import and export declarations which are 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 Telecoms Postal Services; 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 Department of Statistics.

Coverage

The "general" system of 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) All 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) Goods temporarily taken in or out of the country to be returned after a specific purpose eg for exhibition;
- (v) Personal and household effects accompanying passengers or crews;
- (vi) Samples and gifts not exceeding the value of \$300;
- (vii) Gold bullion and gold coins; and
- (viii) Issued currency notes and coins.

Ships and aircraft are included if they are imported or exported as merchandise purchased or sold by an owner in Singapore whether or not they arrived or departed under their own power. Bunker fuel and stores supplied to ships and aircraft of non-Singapore registration are included in these statistics.

Definitions and Terms Used

Imports : 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 reshipment to other countries.

Exports : All goods taken out of Singapore, except those specified as excluded under the **Coverage** section.

Domestic Exports : Exports of Singapore origin and comprise (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.

Trade at 1985 Prices : This is obtained by deflating value of trade with price indices having

base year 1985 = 100. This removes the effect of price changes on trade over time. Changes of trade at 1985 prices therefore measure the changes in the volume of trade.

Valuation

Imports are valued at cif, that is, the value of the goods at the frontier of the exporting country plus the cost of insurance and freight to the registration area. Exports are valued at fob, that is, the value of the goods to the purchaser abroad up to the point where the goods are deposited on board the ongoing vessel, aircraft or vehicle.

Classification

With effect from 1 January 1983, the trade classification adopted for documenting Singapore external trade is the revised 1983 Singapore Trade Classification and Customs Duties, which is still based on Customs Co-operation Council Nomenclature (CCCN). However, for the publication of external trade statistics, a classification based on the Standard International Trade Classification (Revision 2) is used. Imports are classified by country of origin and exports by country of destination.

10.1 EXTERNAL TRADE, 1978-1986

Million Dollars

	1978	1979	1980	1981	1982	1983	1984	1985	1986
Total Trade	At Current Prices								
	52,586.8	69,274.5	92,797.1	102,538.8	104,717.4	105,659.1	112,473.6	107,996.3	104,530.9
	22,985.5	30,940.1	41,452.3	44,290.8	44,472.8	46,154.9	51,340.0	50,178.8	48,985.5
	6,502.2	9,187.8	14,533.7	17,124.0	17,931.3	16,010.3	16,179.3	16,452.2	12,361.2
	16,483.3	21,752.3	26,918.6	27,166.8	26,541.5	30,144.6	35,160.7	33,726.6	36,624.3
	13,226.2	18,200.4	25,805.2	29,452.0	29,157.8	29,206.4	33,051.2	32,575.5	32,062.4
	6,397.9	8,988.1	14,180.2	16,778.0	17,161.2	15,233.6	15,743.8	15,840.1	11,980.3
	6,828.3	9,212.3	11,625.0	12,674.0	11,996.6	13,972.8	17,307.4	16,735.4	20,082.1
	9,759.3	12,739.7	15,647.1	14,838.8	15,315.0	16,948.5	18,288.8	17,603.3	16,923.1
	29,601.3	38,334.4	51,344.8	58,248.0	60,244.6	59,504.2	61,133.6	57,817.5	55,545.4
Total Trade	At 1985 Prices								
	69,477.9	78,323.8	86,860.4	91,840.7	96,693.2	102,441.8	110,502.2	107,996.3	123,015.5
	29,422.5	33,891.2	37,918.0	39,130.4	40,283.0	43,988.4	50,304.7	50,178.8	58,662.3
	11,790.7	12,176.3	12,383.8	13,267.1	14,417.7	14,640.2	15,865.1	16,452.2	21,816.0
	17,631.8	21,714.9	25,534.2	25,863.3	25,865.3	29,348.2	34,439.6	33,726.6	36,846.3
	19,353.2	22,022.5	24,157.5	25,499.7	25,597.5	27,728.6	32,875.5	32,575.5	41,710.8
	11,558.8	11,875.5	12,041.3	12,980.4	13,730.6	13,861.5	15,416.5	15,840.1	21,098.0
	7,794.4	10,147.0	12,116.2	12,519.3	11,866.9	13,867.1	17,459.0	16,735.4	20,612.8
	10,069.3	11,868.7	13,760.5	13,630.7	14,685.5	16,259.8	17,429.2	17,603.3	16,951.5
	40,055.4	44,432.6	48,942.4	52,710.3	56,410.2	58,453.4	60,197.5	57,817.5	64,353.2

10.2 TOTAL TRADE BY REGION AND SELECTED COUNTRY

Million Dollars

Region/Country	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
TOTAL	38,670.4	45,612.2	52,586.8	69,274.5	92,797.1	102,538.8	104,717.4	105,659.1	112,473.6	107,996.3	104,530.9
South East Asia	7,424.2	8,651.8	10,103.1	14,169.1	18,485.2	19,709.8	21,454.3	22,666.8	23,774.6	22,222.4	20,752.3
Malaysia	5,685.1	6,340.0	6,987.1	9,820.8	13,333.6	14,116.2	15,924.5	16,760.1	17,503.9	16,087.7	14,647.2
Thailand	1,002.3	1,133.1	1,708.8	2,406.8	2,828.3	2,862.2	2,839.8	3,062.9	3,809.0	3,288.7	3,394.5
Philippines	219.0	455.1	484.3	676.1	746.3	807.4	911.0	1,161.0	836.0	916.1	940.9
Brunei	291.9	438.1	585.2	834.9	1,016.0	1,373.7	1,246.7	1,150.4	1,042.5	1,174.7	981.7
North East Asia	8,970.4	10,831.3	13,080.4	16,150.2	21,959.9	25,679.9	26,429.3	25,770.4	28,375.3	28,987.5	29,529.8
Japan	5,259.6	6,392.1	7,894.2	9,498.2	12,500.7	15,445.0	15,634.9	14,968.4	16,024.6	14,591.9	15,256.6
Hong Kong	1,803.3	2,125.2	2,361.8	2,924.9	4,251.0	4,974.4	5,002.3	4,400.9	4,457.5	4,279.9	4,493.0
Taiwan	703.6	876.1	1,081.8	1,434.8	1,918.3	1,881.7	1,885.7	2,289.0	2,827.4	2,777.3	3,341.4
China, People's Rep	754.4	815.1	906.2	1,263.7	1,990.0	2,007.1	2,397.7	2,197.0	3,400.4	5,701.8	4,353.4
Republic of Korea	389.4	573.9	734.7	924.3	1,206.6	1,282.8	1,422.2	1,868.6	1,598.2	1,549.9	1,991.6
South Asia	587.8	908.5	1,484.9	1,785.7	2,804.3	3,085.6	3,313.5	3,346.1	3,579.8	3,599.2	2,880.1
India	295.0	536.2	809.7	708.9	1,208.1	1,474.3	1,559.8	1,656.9	1,883.7	1,557.9	1,376.3
Sri Lanka	67.7	111.1	218.8	316.3	371.8	412.3	678.5	658.1	405.1	519.6	414.4
Bangladesh	81.0	81.7	234.8	284.6	576.7	625.9	589.7	538.3	617.0	716.7	535.6
Pakistan	122.5	142.0	181.8	413.7	534.2	373.9	311.8	306.4	516.2	593.3	308.2
West Asia	6,367.9	7,060.7	7,689.9	10,265.8	14,207.1	18,554.8	17,450.1	15,216.7	14,601.8	10,672.1	9,211.8
Saudi Arabia	3,737.8	4,074.9	4,282.4	4,722.8	7,236.9	11,836.1	10,683.8	7,482.3	7,051.0	2,622.8	1,852.5
Iran	891.7	1,086.1	1,001.5	620.8	674.6	961.8	2,480.9	2,029.9	1,457.8	3,348.2	2,826.4
United Arab Emirates	255.1	313.0	353.2	513.7	1,090.6	1,623.1	1,165.5	1,845.5	1,849.6	1,984.3	1,078.5
Kuwait	406.7	391.5	458.5	1,870.5	3,026.3	2,248.9	1,169.0	1,687.5	2,192.5	1,252.0	2,183.0
Bahrain	311.0	314.8	308.2	490.8	735.7	746.5	981.1	577.3	528.3	276.4	459.1

10.2 TOTAL TRADE BY REGION AND SELECTED COUNTRY (continued)

Million Dollars

Region/Country	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
European Economic Community	4,981.5	5,873.3	6,590.1	8,852.9	10,973.1	10,610.7	10,592.6	10,678.9	11,510.2	11,858.2	11,923.5
United Kingdom	1,447.1	1,603.3	1,841.6	2,311.1	2,840.4	2,793.5	2,613.1	2,697.9	2,968.9	3,067.5	3,170.3
Germany, Fed Rep	1,386.9	1,649.4	1,877.3	2,473.2	2,924.1	2,736.6	2,887.0	2,691.4	2,894.2	2,700.4	3,367.8
France	686.1	755.6	889.9	1,156.0	1,605.1	1,764.0	1,795.8	1,712.1	1,660.3	2,091.7	1,685.2
Italy	396.4	486.8	575.9	840.7	1,017.2	957.4	951.1	1,210.6	1,437.0	1,378.7	1,239.2
Netherlands	493.4	641.1	694.2	1,093.3	1,304.8	1,194.9	1,211.3	1,043.9	1,121.3	1,189.4	1,247.6
European Free Trade Association	675.2	766.8	808.6	1,133.3	1,615.7	1,484.3	1,532.6	1,336.4	1,512.2	1,603.4	1,896.4
Switzerland	226.4	267.5	344.2	406.9	554.1	496.7	515.0	555.4	555.2	516.3	641.7
Other Western Europe	40.1	45.0	53.6	46.2	62.4	44.2	126.8	82.5	70.6	174.0	121.0
Socialist Countries of Eastern Europe	466.7	493.9	631.6	867.3	1,001.6	803.5	911.6	889.6	1,226.7	872.8	667.3
USSR	208.4	259.4	311.9	447.2	558.1	440.0	640.3	477.8	846.6	560.6	362.1
North America	5,664.7	6,682.2	7,814.6	10,205.3	13,065.1	13,870.2	13,873.8	17,943.6	19,918.3	19,947.7	20,355.5
United States	5,354.0	6,348.0	7,456.3	9,755.4	12,509.2	13,205.1	13,368.7	17,379.2	19,214.6	19,394.4	19,764.7
Canada	310.7	334.2	358.2	449.9	555.9	665.1	505.1	564.3	703.6	553.3	590.5
Latin American Free Trade Association	357.2	548.6	542.1	771.0	762.0	639.1	649.8	573.6	669.3	571.5	608.7
Brazil	168.5	228.9	285.6	381.4	330.2	250.7	306.5	250.5	331.5	301.7	286.5
Oceania	2,061.0	2,355.3	2,336.7	3,156.4	4,667.7	4,758.3	4,977.3	3,962.8	4,727.2	4,900.8	3,723.4
Australia including Christmas Island	1,423.6	1,650.5	1,556.1	2,014.7	2,865.2	3,011.3	3,195.5	2,502.7	3,278.9	3,185.2	2,483.6
New Zealand	258.3	281.6	328.5	560.8	939.1	794.8	891.8	607.1	621.9	857.7	543.5
Rest of the World	1,073.7	1,394.8	1,451.2	1,871.3	3,193.0	3,298.4	3,405.7	3,191.7	2,507.6	2,586.7	2,861.1

10.3 IMPORTS BY REGION AND SELECTED COUNTRY

Million Dollars

Region/Country	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
TOTAL	22,404.5	25,521.9	29,601.3	38,334.4	51,344.8	58,248.0	60,244.6	59,504.2	61,133.6	57,817.5	55,545.4
South East Asia	3,985.7	4,484.7	5,112.3	7,199.9	8,914.7	9,290.7	10,070.9	10,606.4	11,593.4	10,764.4	10,099.0
Malaysia	3,204.2	3,466.0	3,793.6	5,393.4	7,115.6	7,209.5	8,065.6	8,638.8	9,179.7	8,301.0	7,402.6
Thailand	516.3	571.0	814.7	1,086.3	1,019.0	997.6	1,131.8	1,068.2	1,350.9	1,196.3	1,606.8
Philippines	91.6	167.0	148.9	160.6	160.2	226.7	218.9	271.3	395.0	437.5	401.6
Brunei	52.1	145.5	226.8	379.2	424.2	691.1	477.6	404.4	415.4	536.6	298.1
North East Asia	5,566.9	6,664.6	8,265.1	9,690.2	13,372.4	15,630.9	16,011.9	16,257.4	18,175.9	18,794.7	19,029.9
Japan	3,590.8	4,474.0	5,668.2	6,530.5	9,162.4	10,957.4	10,791.0	10,724.0	11,217.9	9,869.7	11,052.2
Hong Kong	536.7	651.2	731.4	836.5	1,055.1	1,093.0	1,261.3	1,268.9	1,281.3	1,082.5	1,310.1
Taiwan	536.9	583.8	732.6	984.2	1,216.3	1,275.1	1,309.9	1,601.5	1,997.8	1,922.1	2,244.1
China, People's Rep	659.0	670.4	775.5	894.1	1,332.1	1,629.8	1,881.0	1,747.2	2,881.1	4,971.7	3,109.6
Republic of Korea	206.8	260.3	334.6	423.9	584.7	661.3	743.8	904.0	784.0	930.3	1,288.6
South Asia	272.9	289.9	292.1	307.3	440.2	515.5	791.4	1,039.2	610.0	703.8	497.7
India	181.9	190.0	188.1	218.7	246.4	280.7	408.2	733.5	470.4	488.8	348.5
Sri Lanka	29.4	30.8	35.1	32.8	37.6	53.2	254.4	155.9	28.9	94.8	35.8
Bangladesh	15.1	10.9	18.5	8.7	42.8	30.4	21.4	17.1	43.1	52.1	29.3
Pakistan	40.2	44.8	43.0	36.5	91.5	125.3	94.2	120.8	60.9	60.3	78.1
West Asia	5,493.4	6,010.4	6,390.2	8,281.6	11,731.3	15,658.5	14,466.3	12,315.8	11,179.3	7,925.2	7,027.3
Saudi Arabia	3,538.4	3,781.4	3,908.6	4,019.9	6,412.3	10,771.5	9,408.3	6,507.6	5,687.5	2,034.2	1,369.0
Iran	822.3	1,004.7	862.2	561.2	473.7	753.4	1,931.1	1,208.3	733.0	2,474.5	2,062.6
United Arab Emirates	21.3	44.2	35.8	31.8	484.4	899.5	809.9	1,418.6	1,403.2	1,547.1	687.5
Kuwait	333.4	308.4	355.9	1,698.4	2,838.6	1,995.4	948.3	1,545.5	1,882.7	983.7	2,098.1
Bahrain	240.4	254.0	251.5	390.7	667.3	675.3	900.4	499.5	455.4	197.4	410.7

10.3 IMPORTS BY REGION AND SELECTED COUNTRY (continued)

Million Dollars

Region/Country	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
European Economic Community	2,465.6	2,855.2	3,525.2	4,387.8	5,667.6	5,772.6	6,305.6	6,282.4	6,336.2	6,546.0	6,468.2
United Kingdom	851.2	957.0	1,116.8	1,347.3	1,771.2	1,742.9	1,708.4	1,644.2	1,596.0	1,691.9	1,886.4
Germany, Fed Rep	739.0	880.3	1,117.6	1,419.0	1,677.1	1,610.4	1,912.4	1,619.7	1,667.0	1,574.4	1,829.0
France	284.0	310.7	441.4	484.3	699.0	967.6	1,124.6	1,050.1	1,022.7	1,327.7	971.6
Italy	185.2	243.4	318.6	423.7	484.2	543.0	589.5	766.6	905.5	832.9	740.3
Netherlands	219.5	241.5	280.8	373.9	520.8	462.6	452.1	507.2	492.7	550.9	499.8
European Free Trade Association	374.5	451.5	590.0	826.6	1,171.0	1,091.4	1,165.8	944.6	1,110.0	1,159.9	1,443.0
Switzerland	183.7	217.5	276.3	337.7	428.4	378.3	418.1	433.5	433.7	397.8	506.1
Other Western Europe	9.0	8.3	15.4	8.6	4.7	3.1	72.1	10.8	13.0	81.6	25.7
Socialist Countries of Eastern Europe	105.5	138.0	154.0	234.6	176.8	222.1	278.5	364.7	308.6	169.0	189.6
USSR	48.9	63.9	52.9	52.0	51.2	96.7	175.6	98.3	86.4	28.9	78.4
North America	3,066.0	3,336.9	3,915.4	5,666.4	7,510.1	7,633.1	7,995.6	9,224.7	9,241.1	8,970.8	8,542.3
United States	2,960.5	3,227.2	3,771.8	5,489.5	7,237.2	7,356.4	7,775.4	9,005.5	8,922.9	8,775.4	8,317.3
Canada	105.5	109.7	143.6	176.9	272.9	276.7	220.2	219.2	318.2	195.4	225.0
Latin American Free Trade Association	105.9	226.3	201.2	219.5	254.3	225.0	373.0	278.4	302.4	247.3	256.3
Brazil	64.7	107.3	137.0	129.7	168.2	131.4	212.8	147.8	186.4	163.6	143.2
Oceania	700.9	783.6	782.9	1,028.8	1,386.7	1,507.1	1,667.4	1,404.6	1,787.1	1,838.8	1,229.3
Australia including Christmas Island	582.7	649.0	603.2	845.4	1,165.6	1,212.1	1,403.9	1,125.7	1,503.9	1,533.0	968.4
New Zealand	92.9	88.6	123.7	150.4	188.8	225.1	221.4	180.7	221.7	264.1	202.3
Rest of the World	258.2	272.5	357.5	483.1	715.0	698.0	1,046.1	775.2	476.6	616.0	737.1

10.4 EXPORTS BY REGION AND SELECTED COUNTRY

Million Dollars

Region/Country	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
TOTAL	16,265.9	20,090.3	22,985.5	30,940.1	41,452.3	44,290.8	44,472.8	46,154.9	51,340.0	50,178.8	48,985.5
South East Asia	3,438.5	4,167.1	4,990.8	6,969.2	9,570.5	10,419.1	11,383.4	12,060.4	12,181.2	11,458.0	10,653.3
Malaysia	2,480.9	2,874.0	3,193.5	4,427.4	6,218.0	6,906.7	7,858.9	8,121.3	8,324.2	7,786.7	7,244.6
Thailand	486.0	562.1	894.1	1,320.5	1,809.3	1,864.6	1,708.0	1,994.7	2,458.1	2,092.5	1,787.7
Philippines	127.4	288.1	335.4	515.5	586.1	580.7	692.1	889.7	441.0	478.6	539.3
Brunei	239.8	292.6	358.4	455.7	591.8	682.6	769.1	746.0	627.1	638.1	683.6
North East Asia	3,403.5	4,166.7	4,815.3	6,460.0	8,587.5	10,049.0	10,417.4	9,513.0	10,199.4	10,192.8	10,499.8
Japan	1,668.8	1,918.1	2,226.0	2,967.7	3,338.3	4,487.6	4,843.9	4,244.4	4,806.7	4,722.2	4,204.4
Hong Kong	1,266.6	1,474.0	1,630.4	2,088.4	3,195.9	3,881.4	3,741.0	3,132.0	3,176.2	3,197.4	3,182.9
Taiwan	166.7	292.3	349.2	450.6	702.0	606.6	575.8	687.5	829.6	855.2	1,097.2
China, People's Rep	95.4	144.7	130.7	369.6	657.9	377.3	516.7	449.8	519.3	730.2	1,243.8
Republic of Korea	182.6	313.6	400.1	500.4	621.9	621.5	678.4	964.6	814.2	619.5	703.0
South Asia	314.9	618.6	1,192.8	1,478.4	2,364.1	2,570.1	2,522.1	2,306.9	2,969.8	2,895.4	2,382.4
India	113.1	364.2	621.6	490.2	961.7	1,193.6	1,151.6	923.4	1,413.3	1,069.0	1,027.8
Sri Lanka	38.3	80.3	183.7	283.5	334.2	359.1	424.1	502.2	376.2	424.8	378.6
Bangladesh	65.9	70.8	216.3	275.8	533.9	595.5	568.3	521.2	573.9	664.6	506.3
Pakistan	82.3	97.2	138.8	377.2	442.7	248.6	217.6	185.6	455.3	533.0	230.1
West Asia	874.5	1,050.3	1,299.7	1,984.2	2,475.8	2,896.3	2,983.8	2,900.9	3,422.5	2,746.9	2,184.5
Saudi Arabia	199.4	293.5	373.8	702.9	824.6	1,064.6	1,275.5	974.7	1,363.5	588.5	483.5
Iran	69.4	81.4	139.3	59.6	200.9	208.4	549.8	821.6	724.8	873.7	763.8
United Arab Emirates	233.8	268.8	317.4	481.9	606.2	723.6	355.6	426.9	446.4	437.2	391.0
Kuwait	73.3	83.1	102.6	172.1	187.7	253.5	220.7	142.0	309.8	268.4	84.9
Bahrain	70.6	60.8	56.7	100.1	68.4	71.2	80.7	77.8	72.9	79.1	48.4

10.4 EXPORTS BY REGION AND SELECTED COUNTRY (continued)

Million Dollars

Region/Country	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
European Economic Community	2,515.9	3,018.1	3,064.9	4,465.1	5,305.5	4,838.1	4,287.0	4,396.5	5,174.0	5,312.2	5,455.3
United Kingdom	595.9	646.3	724.8	963.8	1,069.2	1,050.6	904.7	1,053.7	1,372.9	1,375.6	1,283.9
Germany, Fed Rep	647.9	769.1	759.7	1,054.2	1,247.0	1,126.2	974.6	1,071.7	1,227.0	1,126.0	1,538.8
France	402.1	444.9	448.5	671.7	906.1	796.4	671.2	662.0	637.6	764.0	713.6
Italy	211.2	243.4	257.3	417.0	533.0	414.4	361.6	444.0	531.5	545.8	498.9
Netherlands	273.9	399.6	413.4	719.4	784.0	732.3	759.2	536.7	628.6	638.5	747.8
European Free Trade Association	300.7	315.3	218.6	306.7	444.7	392.9	366.8	391.8	402.2	443.5	453.4
Switzerland	42.7	50.0	67.9	69.2	125.7	118.4	96.9	121.9	121.5	118.5	135.6
Other Western Europe	31.1	36.7	38.2	37.6	57.7	41.1	54.7	71.7	57.6	92.4	95.3
Socialist Countries of Eastern Europe	361.2	355.9	477.6	632.7	824.8	581.4	633.1	524.9	918.1	703.8	477.7
USSR	159.5	195.5	259.0	395.2	506.9	343.3	464.7	379.5	760.2	531.7	283.7
North America	2,598.7	3,345.3	3,899.2	4,538.9	5,555.0	6,237.1	5,878.2	8,718.9	10,677.2	10,976.9	11,813.2
United States	2,393.5	3,120.8	3,684.5	4,265.9	5,272.0	5,848.7	5,593.3	8,373.7	10,291.7	10,619.0	11,447.4
Canada	205.2	224.5	214.6	273.0	283.0	388.4	284.9	345.1	385.4	357.9	365.5
Latin American Free Trade Association	251.3	322.3	340.9	551.5	507.7	414.1	276.8	295.2	366.9	324.2	352.4
Brazil	103.8	121.6	148.6	251.7	162.0	119.3	93.7	102.7	145.1	138.1	143.3
Oceania	1,360.1	1,571.7	1,553.8	2,127.6	3,281.0	3,251.2	3,309.9	2,558.2	2,940.1	3,062.0	2,494.1
Australia including Christmas Island	840.9	1,001.5	952.9	1,169.3	1,699.6	1,799.2	1,791.6	1,377.0	1,775.0	1,652.2	1,515.2
New Zealand	165.4	193.0	204.8	410.4	750.3	569.7	670.4	426.4	400.2	593.6	341.2
Rest of the World	815.5	1,122.3	1,093.7	1,388.2	2,478.0	2,600.4	2,359.6	2,416.5	2,031.0	1,970.7	2,124.1

10.5 DOMESTIC EXPORTS BY REGION AND SELECTED COUNTRY

Million Dollars

Region/Country	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
TOTAL	9,362.4	11,651.8	13,226.2	18,200.4	25,805.2	29,452.0	29,157.8	29,206.4	33,051.2	32,575.5	32,062.4
South East Asia	1,166.2	1,477.6	1,868.4	2,794.8	4,382.9	5,094.2	5,637.9	5,883.9	5,804.6	5,947.1	5,174.9
Malaysia	710.6	771.5	896.7	1,365.0	2,254.3	2,915.8	3,618.4	3,605.3	3,533.3	3,773.3	3,266.1
Thailand	260.8	317.8	479.0	812.3	1,307.6	1,393.4	1,154.6	1,279.8	1,726.1	1,424.1	1,197.1
Philippines	48.6	174.8	195.8	288.0	340.8	292.4	411.6	609.9	217.4	268.7	316.0
Brunei	93.1	118.3	151.1	190.0	268.5	283.3	315.0	281.7	215.9	226.7	235.4
North East Asia	2,505.4	3,108.8	3,513.2	4,715.2	6,476.6	8,033.1	7,902.4	6,923.4	7,495.2	7,218.4	7,378.4
Japan	1,384.4	1,639.2	1,884.8	2,561.9	2,877.4	3,968.4	4,253.1	3,503.9	3,964.7	3,860.2	3,302.5
Hong Kong	981.8	1,165.8	1,258.8	1,630.6	2,659.4	3,249.0	2,751.0	2,252.2	2,302.7	2,057.9	2,108.3
Taiwan	53.1	139.6	171.0	179.0	387.2	324.2	293.6	330.5	462.6	513.4	655.6
China, People's Rep	49.7	53.8	35.9	151.4	238.2	114.1	117.6	117.6	194.4	398.8	858.4
Republic of Korea	21.4	96.0	118.3	168.6	292.1	343.3	449.5	711.2	547.2	371.7	427.4
South Asia	145.4	247.2	643.0	704.9	1,395.6	1,680.0	1,658.0	1,218.9	1,753.0	1,465.1	1,104.8
India	61.8	144.7	349.4	224.2	676.3	881.3	840.5	573.6	1,042.8	667.6	527.9
Sri Lanka	23.6	42.6	115.8	164.6	193.1	180.6	251.0	290.4	145.4	183.5	107.0
Bangladesh	22.5	15.5	112.3	181.0	356.6	446.1	454.7	226.1	416.4	485.7	311.0
Pakistan	31.3	36.2	55.2	111.4	126.8	81.7	64.2	63.7	86.4	82.4	89.5
West Asia	504.0	609.3	771.6	1,265.2	1,449.4	1,725.3	1,611.2	1,803.5	1,643.8	1,634.3	1,444.1
Saudi Arabia	123.3	178.0	251.7	462.7	467.7	532.6	510.0	560.0	408.5	300.7	257.6
Iran	35.1	26.1	59.0	20.8	60.7	93.6	505.0	719.5	614.0	742.1	696.7
United Arab Emirates	139.0	199.9	209.9	355.9	438.4	539.0	179.4	175.7	211.3	222.9	184.2
Kuwait	50.5	64.2	71.7	126.0	100.4	188.2	123.0	87.8	99.4	62.6	51.3
Bahrain	38.8	43.4	39.0	80.5	49.0	40.8	43.3	39.1	34.1	44.3	25.7

10.5 DOMESTIC EXPORTS BY REGION AND SELECTED COUNTRY (continued)

Million Dollars

Region/Country	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
European Economic Community	1,418.8	1,663.2	1,688.0	2,508.4	3,312.9	3,250.4	3,019.4	2,912.2	3,451.3	3,385.1	3,454.2
United Kingdom	363.2	359.6	442.5	666.1	690.1	752.8	648.1	750.8	1,057.5	1,026.7	853.6
Germany, Fed Rep	432.2	505.0	501.6	672.1	942.0	827.2	721.9	767.0	880.6	798.2	1,073.3
France	193.9	211.4	208.4	343.4	489.6	540.3	501.9	466.8	418.8	387.0	447.3
Italy	74.6	105.0	118.4	199.5	320.8	269.2	254.4	344.3	444.8	456.1	371.8
Netherlands	154.1	218.6	220.9	328.6	454.3	410.5	516.8	239.1	253.8	370.7	346.2
European Free Trade Association	268.3	275.5	182.0	244.6	350.6	313.4	298.0	308.6	315.4	299.9	324.0
Switzerland	36.1	42.8	59.1	50.4	87.1	78.1	70.8	86.6	76.3	73.5	80.8
Other Western Europe	1.7	5.3	3.1	6.3	13.4	7.5	8.8	17.4	9.6	31.4	39.2
Socialist Countries of Eastern Europe	80.8	106.1	108.5	131.3	211.1	208.1	241.3	255.0	587.3	428.7	255.3
USSR	40.1	54.0	53.4	62.1	101.8	92.6	143.2	180.2	514.6	328.2	153.9
North America	1,717.6	2,229.7	2,600.4	3,148.1	4,028.4	4,561.1	4,330.7	6,206.7	8,127.6	8,367.9	9,751.1
United States	1,623.3	2,136.2	2,513.7	3,026.2	3,894.1	4,397.0	4,196.2	6,018.7	7,920.3	8,159.3	9,504.5
Canada	94.3	93.5	86.7	121.9	134.3	164.1	134.6	187.9	207.3	208.6	246.6
Latin American Free Trade Association	11.0	17.7	29.2	126.5	468.5	100.2	84.5	73.1	105.1	132.0	113.1
Brazil	5.9	8.6	12.1	79.6	26.4	21.0	40.1	39.8	60.6	65.2	49.7
Oceania	1,041.5	1,166.5	1,198.3	1,734.7	2,831.4	2,760.3	2,695.7	2,005.0	2,305.7	2,475.8	1,922.9
Australia including Christmas Island	584.5	667.7	683.4	884.0	1,360.9	1,445.1	1,313.8	993.8	1,297.3	1,259.1	1,105.9
New Zealand	122.4	141.6	149.7	344.0	683.6	486.0	579.3	337.4	323.4	510.6	268.1
Rest of the World	501.7	744.9	620.5	820.4	884.4	1,718.4	1,669.9	1,598.7	1,452.6	1,189.8	1,100.4

10.6 IMPORTS BY COMMODITY

Million Dollars

Commodity	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
TOTAL	22,404.5	25,521.9	29,601.3	38,334.4	51,344.8	58,248.0	60,244.6	59,504.2	61,133.6	57,817.5	55,545.4
Food	1,853.3	2,211.0	2,183.0	2,552.6	2,915.5	3,270.5	3,601.9	3,503.9	4,157.6	3,530.4	3,865.7
Cereals & Cereal Preparations	374.5	436.8	438.3	573.2	694.3	754.0	823.4	636.7	980.5	428.1	384.5
Fruits & Vegetables	445.7	487.8	547.2	599.3	674.1	792.2	805.0	857.8	913.9	899.1	927.8
Coffee & Spices	312.1	439.6	384.5	439.8	388.7	464.8	592.4	660.2	808.7	882.6	1,047.7
Beverages & Tobacco	139.4	150.0	176.0	207.3	276.0	282.2	339.5	416.2	460.6	501.0	541.5
Crude Materials	2,023.5	2,278.7	2,470.0	3,108.2	3,416.9	2,775.5	2,306.1	2,624.8	2,510.2	1,988.0	1,905.0
Rubber	1,302.1	1,485.4	1,577.6	2,017.7	2,163.5	1,659.7	1,269.9	1,622.2	1,454.0	1,003.1	903.3
Wood	270.1	291.5	328.3	461.4	423.6	388.0	360.4	353.1	296.1	249.4	272.1
Mineral Fuels	6,140.9	6,524.2	7,081.5	9,672.7	14,889.2	19,831.1	20,479.6	18,611.7	16,961.3	17,031.0	10,994.5
Petroleum & Petroleum Products	6,136.6	6,519.5	7,074.5	9,668.0	14,879.5	19,819.2	20,471.4	18,601.4	16,949.4	17,019.9	10,986.1
Animal & Vegetable Oils	257.8	478.9	491.1	829.4	1,001.0	721.8	671.5	632.1	1,435.9	1,380.5	720.3
Unprocessed Vegetable Oils	186.6	272.7	190.0	414.0	239.6	226.9	114.2	202.0	440.9	293.9	166.9
Chemicals	1,116.2	1,319.3	1,597.6	2,178.5	2,686.7	2,756.1	2,790.7	2,981.6	3,096.2	2,890.4	3,245.6
Chemical Compounds	305.1	311.0	355.1	571.4	715.7	753.0	723.5	821.2	859.1	772.0	879.7
Plastic Materials	247.6	307.6	400.1	591.3	648.2	643.3	687.0	808.1	829.3	721.3	846.0
Medicinal Products	119.2	160.9	161.4	173.2	206.8	203.6	210.7	207.0	222.2	239.0	284.6
Manufactured Goods by Materials	3,277.4	3,630.7	4,566.5	5,736.7	7,237.2	8,079.7	8,407.4	8,089.5	8,045.3	7,082.4	7,613.5
Textile Manufactures	1,062.5	1,124.7	1,401.4	1,666.1	1,835.6	1,905.0	1,923.7	2,052.4	2,018.3	1,871.5	2,241.6
Non-metal Mineral Manufactures	356.6	406.1	532.7	633.8	904.2	955.7	1,025.7	1,198.4	1,280.6	1,013.7	894.0
Iron & Steel	767.7	870.1	1,138.8	1,461.0	1,854.6	2,360.6	2,596.0	1,890.0	1,730.7	1,425.1	1,463.5
Metal Manufactures	458.1	524.8	621.6	800.5	1,072.2	1,301.6	1,344.2	1,255.4	1,268.1	1,253.6	1,133.4
Paper & Paperboard & Related Articles	221.4	242.0	310.7	377.1	502.9	532.8	501.7	556.4	647.7	575.4	684.9
Machinery & Transport Equipment	5,794.7	6,738.5	8,607.8	11,343.9	15,303.8	16,474.9	17,219.3	18,046.1	19,419.6	18,317.2	20,780.7
Non-electric Machinery	2,205.5	2,406.6	3,050.2	4,002.4	5,720.7	6,685.2	7,142.7	6,629.1	7,128.8	6,624.6	7,000.7
Electric Machinery	2,385.7	2,815.7	3,595.2	4,675.5	6,051.7	6,665.7	6,871.3	7,597.1	8,687.0	8,238.1	10,786.8
Transport Equipment	1,203.5	1,516.3	1,962.4	2,666.0	3,531.3	3,123.9	3,205.3	3,819.8	3,603.8	3,454.6	2,993.2
Miscellaneous Manufactured Articles	1,534.0	1,764.9	2,071.4	2,194.3	2,951.1	3,413.0	3,852.3	3,947.2	4,196.7	4,193.6	4,887.4
Scientific & Optical Instruments	289.0	335.5	439.6	596.0	797.1	938.0	1,034.4	998.2	1,070.6	1,129.4	1,259.3
Watches & Clocks	291.7	321.4	385.9	377.7	576.3	541.9	550.4	537.6	475.6	424.7	475.7
Miscellaneous Transactions nes	267.3	425.7	356.4	510.9	667.4	643.2	576.3	651.1	850.2	898.0	991.2

10.7 EXPORTS BY COMMODITY

Million Dollars

Commodity	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
TOTAL	16,265.9	20,090.3	22,985.5	30,940.1	41,452.3	44,290.8	44,472.8	46,154.9	51,340.0	50,178.8	48,985.5
Food	947.8	1,389.4	1,488.0	1,674.5	2,008.2	2,124.8	2,388.0	2,025.1	2,895.4	2,193.1	2,625.5
Cereals & Cereal Preparations	77.9	150.5	169.4	224.1	357.5	449.5	609.7	274.7	839.1	186.5	142.7
Fruits & Vegetables	165.3	191.9	205.1	223.3	252.8	303.2	320.9	342.9	375.9	366.2	340.8
Coffee & Spices	380.2	570.3	594.0	597.5	627.4	659.2	745.5	720.3	960.7	988.2	1,350.1
Beverages & Tobacco	48.9	65.2	99.9	131.6	157.2	174.3	217.0	210.0	209.8	240.8	332.1
Crude Materials	2,664.7	3,160.0	3,483.1	4,412.9	4,700.0	3,665.3	2,781.1	3,388.5	3,410.4	2,699.7	2,458.8
Rubber	1,995.2	2,255.7	2,480.6	3,070.2	3,294.1	2,455.4	1,744.7	2,108.3	2,138.2	1,496.1	1,340.8
Wood	307.0	330.0	408.0	657.7	585.0	426.4	378.4	398.8	365.0	327.9	380.4
Mineral Fuels	3,783.8	4,874.1	5,329.0	7,414.5	11,965.7	14,175.6	14,616.6	12,969.5	13,185.0	13,594.2	10,147.1
Petroleum & Petroleum Products	3,743.7	4,834.6	5,279.1	7,337.2	11,828.0	13,980.6	14,437.3	12,761.9	12,992.3	13,456.1	10,038.9
Animal & Vegetable Oils	249.3	474.7	513.5	858.1	1,095.5	820.0	780.3	628.2	1,540.5	1,535.2	880.4
Unprocessed Vegetable Oils	217.3	386.5	347.8	684.6	840.6	581.7	560.9	451.5	1,115.7	1,128.1	336.2
Chemicals	609.8	716.1	870.5	1,124.3	1,418.5	1,556.3	1,722.4	1,956.3	2,463.7	2,716.9	2,839.9
Chemical Compounds	105.7	117.8	152.2	231.7	282.6	346.0	380.5	547.2	882.4	917.6	985.5
Medicinal Products	194.0	213.7	233.5	267.5	323.3	319.2	342.8	329.8	259.8	298.1	294.1
Plastic Materials	93.2	121.4	155.7	205.8	220.6	220.5	243.4	263.2	486.3	680.1	732.5
Manufactured Goods by Materials	1,328.8	1,602.2	2,259.7	2,841.6	3,441.7	3,669.8	3,838.7	3,683.1	3,624.6	3,597.8	3,632.7
Wood Manufacture	279.6	297.5	351.4	482.5	549.2	539.3	495.9	536.4	481.0	484.3	447.3
Textile Manufactures	443.5	467.3	606.3	787.9	793.2	737.0	745.6	810.2	781.1	776.9	929.4
Iron & Steel	187.1	263.3	400.4	362.4	454.3	586.3	707.5	411.2	461.5	457.8	433.1
Metal Manufactures	175.7	228.5	287.1	389.5	450.7	578.5	516.9	509.6	530.3	570.6	561.1
Machinery & Transport Equipment	4,106.7	4,917.0	5,715.1	8,216.7	11,089.4	11,779.4	11,546.2	14,677.9	16,865.0	16,567.4	18,900.5
Non-electric Machinery	983.5	1,163.8	1,299.5	1,958.9	2,662.8	3,119.8	3,597.1	4,536.4	5,764.4	6,011.5	7,420.4
Electric Machinery	2,186.4	2,868.0	3,557.4	5,045.6	6,656.6	6,724.7	6,479.4	7,816.8	9,252.1	8,855.0	10,157.8
Transport Equipment	936.8	885.2	858.3	1,212.2	1,770.0	1,934.9	1,469.6	2,324.8	1,848.5	1,701.0	1,322.5
Miscellaneous Manufactured Articles	1,232.5	1,402.3	1,725.0	2,121.7	2,572.4	2,919.1	2,831.5	3,083.7	3,408.0	3,378.2	4,042.3
Clothing	448.7	514.1	672.2	811.0	912.8	990.1	979.7	1,002.1	1,170.9	1,176.5	1,469.7
Scientific & Optical Instruments	167.0	192.7	200.0	344.8	410.0	481.7	414.6	510.0	594.1	660.4	755.1
Watches & Clocks	235.1	184.9	223.6	189.8	221.8	250.9	232.9	246.2	230.2	200.9	206.8
Miscellaneous Transactions nes	1,293.6	1,489.3	1,501.7	2,144.1	3,003.7	3,406.2	3,751.0	3,532.6	3,737.6	3,655.5	3,126.2

10.8 DOMESTIC EXPORTS BY COMMODITY

Million Dollars

Commodity	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
TOTAL	9,362.4	11,651.8	13,226.2	18,200.4	25,805.2	29,452.0	29,157.8	29,206.4	33,051.2	32,575.5	32,062.4
Food	204.9	296.5	343.9	450.1	600.6	536.7	449.5	469.1	483.9	478.1	602.3
Animal Feeding Stuffs	34.7	65.0	64.6	74.8	83.6	57.6	42.6	38.6	46.9	36.3	40.5
Beverages & Tobacco	29.7	43.6	74.4	88.0	102.7	116.2	134.1	114.7	102.4	103.4	121.6
Crude Materials¹	62.3	73.9	85.3	129.3	152.3	140.0	125.3	179.6	172.3	189.7	246.6
Mineral Fuels	3,632.2	4,697.2	5,224.7	7,214.8	11,612.2	13,829.6	13,846.5	12,192.7	12,749.5	12,982.1	9,766.2
Animal & Vegetable Oils	62.6	129.4	170.7	229.8	393.7	470.3	482.6	401.9	670.1	629.7	666.7
Chemicals	268.3	325.5	389.2	458.0	572.9	609.7	690.7	869.7	1,333.8	1,597.7	1,785.5
Medicinal Products	152.5	168.8	183.4	205.5	258.2	237.4	260.3	241.3	172.1	207.0	192.9
Plastic Materials	48.1	66.5	95.1	92.7	99.6	100.6	108.5	106.5	325.9	522.4	549.5
Manufactured Goods by Materials	627.6	769.8	1,024.5	1,197.7	1,322.7	1,326.6	1,214.4	1,083.2	1,183.6	1,215.4	1,142.4
Wood Products excluding Furniture	195.3	199.2	252.9	366.7	414.3	363.6	289.5	286.5	251.7	228.8	169.3
Textile Yarn Thread	84.5	76.4	101.7	152.8	137.9	96.7	76.1	68.4	58.0	43.0	50.7
Woven Textile Fabrics	87.6	91.8	97.4	115.0	124.2	119.1	104.6	68.5	48.9	31.0	31.6
Lime, Cement & Fabricated Construction Materials	20.1	24.6	47.4	61.2	75.7	79.8	71.0	48.9	84.2	62.7	14.7
Iron & Steel Pipes & Fittings	19.3	72.3	117.9	31.5	35.8	47.8	67.7	32.8	38.7	59.4	71.6
Machinery & Transport Equipment	2,475.8	3,051.6	3,436.6	5,067.9	6,566.6	7,326.8	6,961.0	8,718.6	10,936.4	10,136.3	12,595.9
Office Machines	155.8	173.4	156.0	195.5	263.7	282.6	382.5	818.6	2,168.8	2,515.7	3,907.1
Other Non-electric Machines	118.3	160.4	205.2	220.4	158.8	357.1	434.5	490.7	579.6	581.6	680.6
Electric Generators	126.2	166.6	193.9	230.4	330.2	503.0	611.2	1,045.6	1,183.1	1,414.1	1,448.3
Telecommunications Apparatus	501.8	715.6	939.2	1,473.6	1,976.9	2,156.6	1,723.7	1,839.2	2,124.2	2,128.4	2,361.8
Other Electric Machinery	955.4	1,224.4	1,448.1	2,045.7	2,387.8	2,198.4	2,261.0	2,613.0	3,202.5	2,358.3	2,864.4
Ships, Boats & Oil Rigs	537.0	479.9	290.7	455.7	587.7	965.9	764.7	982.7	633.5	102.8	109.0
Miscellaneous Manufactured Articles	934.6	1,062.8	1,284.0	1,567.2	1,886.5	2,114.5	1,907.2	2,097.5	2,275.3	2,220.4	2,680.0
Clothing	372.9	440.0	558.9	670.3	757.3	800.3	752.8	765.2	891.3	876.9	1,072.3
Scientific & Optical Instruments	114.2	125.8	115.6	198.0	236.6	238.6	166.2	209.3	256.0	291.1	359.9
Watches & Clocks	175.4	108.0	136.3	109.9	143.5	175.2	150.1	157.2	131.7	103.4	103.5
Printed Matters	48.5	87.7	75.0	77.3	90.5	115.2	110.6	112.0	120.2	136.9	188.1
Toys & Games	35.2	78.6	84.7	97.3	147.9	175.4	151.5	138.7	185.5	200.5	258.5
Miscellaneous Transactions nes	1,064.4	1,201.5	1,192.9	1,797.6	2,595.1	2,981.6	3,346.5	3,079.4	3,143.9	3,022.8	2,455.3
Oil Bunkers	1,046.1	1,174.7	1,173.2	1,773.3	2,568.0	2,948.4	3,314.7	3,040.9	2,994.3	2,858.0	2,214.1

1 Exclude processed rubber and sawn timber.

10.9 IMPORTS OF SPECIFIC COMMODITY

Million Dollars

Year	Meat	Rice	Unmilled Cereals	Fruits & Nuts	Spices	Animal Feed	Crude Rubber	Sawn Timber	Crude Petroleum
1976	124.9	132.1	181.5	145.5	182.7	180.5	1,295.2	208.6	4,673.6
1977	137.1	131.5	243.2	171.5	217.9	220.9	1,477.9	244.0	5,447.2
1978	142.6	151.7	221.9	189.8	225.1	195.8	1,568.1	267.7	6,258.3
1979	182.7	162.0	327.1	230.8	239.1	216.1	2,004.4	352.0	8,312.2
1980	208.9	169.2	408.0	269.7	172.2	238.7	2,151.3	339.5	12,153.6
1981	257.1	192.9	409.7	347.6	185.5	183.9	1,650.8	294.0	17,474.7
1982	310.9	159.2	518.2	325.6	227.3	209.3	1,261.7	288.9	16,191.0
1983	292.9	143.6	365.6	348.8	215.0	160.9	1,610.6	274.1	14,303.5
1984	301.5	142.1	698.6	403.1	203.1	186.6	1,435.7	228.0	14,169.6
1985	274.7	109.2	196.8	410.5	288.1	118.3	981.8	191.5	12,850.3
1986	279.2	132.3	125.0	406.9	266.3	130.5	879.0	212.0	8,223.4

10.9 IMPORTS OF SPECIFIC COMMODITY (continued)

Million Dollars

Year	Petroleum Products	Fixed Vegetable Oils	Medicinal Products	Paper & Paperboard	Textile Yarn & Thread	Woven Textile Fabrics	Iron & Steel Plates, Sheets, Bars, Shapes, etc	Iron & Steel Pipes & Fittings	Generators
1976	1,463.0	186.6	119.2	179.9	100.3	712.6	468.1	183.6	780.2
1977	1,072.3	272.7	160.9	195.1	119.4	751.9	483.4	307.8	895.9
1978	816.2	190.0	161.4	253.3	137.8	979.3	650.8	357.9	1,169.3
1979	1,355.7	414.0	173.2	312.7	121.2	1,113.7	758.6	460.7	1,101.1
1980	2,725.9	239.6	206.8	414.6	207.0	1,228.4	1,037.5	591.4	1,517.2
1981	2,344.5	226.9	203.6	427.3	177.2	1,279.4	1,242.7	931.6	1,719.4
1982	4,280.4	114.2	210.7	387.3	141.9	1,313.5	1,263.0	1,060.8	1,946.9
1983	4,297.9	202.0	207.0	427.4	141.9	1,493.0	1,233.3	451.7	1,896.0
1984	2,779.7	440.9	222.2	476.3	145.9	1,425.8	969.9	564.7	2,148.4
1985	4,169.6	293.9	239.0	411.5	141.0	1,351.9	775.0	435.2	2,382.0
1986	2,762.7	166.9	284.6	491.3	194.6	1,650.5	791.9	386.6	2,709.9

10.9 IMPORTS OF SPECIFIC COMMODITY (continued)

Million Dollars

Year	Industrial Machinery	Telecommunications Apparatus	Office Machines	Motor Vehicles	Ships, Boats & Oil Rigs	Clothing	Scientific & Optical Instruments	Watches & Clocks	Toys & Games
1976	719.1	410.5	137.0	432.5	546.2	189.1	289.0	291.7	105.1
1977	657.1	517.8	155.7	567.7	579.1	220.9	335.5	321.4	143.1
1978	785.9	586.4	207.0	741.4	782.0	256.3	439.6	385.9	145.5
1979	1,208.2	997.8	316.6	967.8	692.7	238.5	596.0	377.7	152.4
1980	1,617.3	1,478.7	490.3	1,268.3	1,114.7	303.3	797.1	576.3	202.8
1981	1,681.4	1,446.1	570.0	1,264.5	1,259.6	415.1	938.0	541.9	237.3
1982	1,614.6	1,366.7	758.2	1,198.1	1,400.5	543.1	1,034.4	550.4	263.2
1983	1,513.2	1,524.4	1,219.0	1,196.9	1,269.3	591.8	998.2	537.6	227.1
1984	1,272.8	1,700.9	1,851.3	1,084.8	887.9	646.9	1,070.6	475.6	257.3
1985	1,121.2	1,726.9	1,862.2	760.4	909.1	654.4	1,129.4	424.7	222.4
1986	954.9	2,284.0	2,075.0	682.3	1,284.4	785.9	1,259.3	475.7	292.8

10.10 EXPORTS OF SPECIFIC COMMODITY

Million Dollars

Year	Spices	Coffee	Animal Feed	Crude Rubber	Sawn Timber	Petroleum Products	Fixed Vegetable Oils	Medicinal Products	Manufactured Fertilizers
1976	204.9	141.5	89.5	1,980.0	305.1	3,743.7	217.3	194.0	59.4
1977	243.1	266.1	186.1	2,236.7	319.3	4,782.4	386.5	213.7	81.6
1978	296.8	212.5	181.3	2,460.2	390.7	5,256.4	347.8	233.5	129.4
1979	288.7	177.8	198.3	3,069.3	640.8	7,301.8	684.6	267.5	133.5
1980	252.3	194.4	206.0	3,292.1	568.9	11,810.0	840.6	323.3	197.5
1981	248.5	203.0	128.8	2,454.0	401.9	13,953.5	581.7	319.2	188.5
1982	281.6	220.9	111.7	1,742.8	347.2	14,288.3	560.9	342.8	233.3
1983	231.9	236.3	97.7	2,105.8	367.6	12,557.3	451.5	329.8	207.8
1984	285.8	334.2	119.0	2,135.4	340.0	12,849.4	1,115.7	259.8	162.3
1985	305.4	313.4	83.8	1,491.5	301.7	13,418.2	1,128.1	298.1	127.5
1986	403.2	567.3	93.3	1,335.2	349.1	10,021.8	336.2	294.1	70.5

10.10 EXPORTS OF SPECIFIC COMMODITY (continued)

Million Dollars

Year	Crude Vegetable Materials	Wood Products excluding Furniture	Textile Yarn & Thread	Woven Textile Fabrics	Iron & Steel Plates, Sheets, Bars, Shapes etc	Iron & Steel Pipes & Fittings	Generators	Office Machines	Industrial Machinery
1976	79.8	261.1	104.2	263.6	91.8	80.3	346.9	184.7	289.6
1977	118.2	268.0	97.1	296.4	102.3	147.3	437.7	198.7	314.4
1978	133.4	336.0	132.3	379.8	152.2	229.4	453.8	187.6	352.2
1979	203.1	482.0	217.9	455.7	207.3	126.7	558.4	247.7	569.0
1980	212.0	548.2	198.9	466.5	252.5	170.0	763.1	341.3	799.8
1981	216.3	538.1	143.4	475.8	238.4	301.2	1,039.1	380.6	918.1
1982	225.7	495.4	112.3	527.7	225.4	436.7	1,295.0	638.2	899.0
1983	190.4	536.1	113.3	578.8	139.9	235.7	1,778.6	1,656.3	821.4
1984	203.8	480.5	108.6	554.6	164.9	238.7	1,968.0	2,674.5	855.8
1985	200.5	483.5	105.3	562.7	167.0	263.3	2,276.0	3,008.9	861.1
1986	214.7	446.2	143.6	673.0	188.5	219.7	2,156.8	4,410.6	673.8

10.10 EXPORTS OF SPECIFIC COMMODITY (continued)

Million Dollars

Year	Telecommunications Apparatus	Household Equipment	Motor Vehicles	Ships, Boats & Oil Rigs	Furniture	Clothing	Scientific & Optical Instruments	Watches & Clocks	Printed Matters
1976	567.6	46.0	229.2	640.3	39.1	448.6	167.0	235.1	71.4
1977	803.9	80.7	276.3	532.1	48.1	514.1	192.7	184.9	113.1
1978	1,061.6	115.5	329.6	410.6	70.5	672.2	200.0	223.6	106.7
1979	1,722.8	149.2	333.8	722.6	109.2	811.0	344.8	189.8	115.2
1980	2,718.0	243.0	490.3	931.1	138.2	912.8	410.0	221.8	129.8
1981	2,642.5	328.1	464.8	1,137.7	179.0	990.1	481.7	250.9	166.0
1982	2,196.8	294.9	360.7	871.7	159.5	979.7	414.6	232.9	155.1
1983	2,389.8	338.4	399.1	1,348.7	173.0	1,002.1	510.0	246.2	152.6
1984	2,719.9	440.6	449.3	999.1	178.8	1,170.9	594.1	230.2	157.6
1985	2,780.8	423.2	325.6	426.4	163.9	1,176.5	660.4	200.9	180.3
1986	3,224.8	429.0	298.2	685.6	202.4	1,469.7	755.1	206.8	230.8

new movement from the...
 IT TRANSPORT AND COMMUNICATIONS...
 Civil Air Traffic

At this moment the...
 30 June 1981 and...
 All cargo handled...
 documents and...

new movement from the...
 IT TRANSPORT AND COMMUNICATIONS...
 Civil Air Traffic

At this moment the...
 30 June 1981 and...
 All cargo handled...
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11 TRANSPORT AND COMMUNICATIONS

Passenger...
 Data on...
 Distribution...

See Cargo...
 Volume of cargo...
 General Cargo and...

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 number and net registered tonnage which is the close-in space for cargo and passenger accommodation.

Sea Cargo Discharged and Loaded

Volume of cargo handled refers to those discharged and loaded at all parts of Singapore and is based on cargo summaries submitted to the Manifest Section of the Import and Export Office. Data include transshipment cargo but exclude ship's stores. Data on "mineral oil-in-bulk" cover crude and refined petroleum discharged or loaded by tankers at the oil refineries, but exclude bunker fuel supplied to vessels. All other cargo, including vegetable oil-in-bulk, bulk cement, bulk wheat, bulk latex and live animals are shown as "General Cargo and Other Bulk Cargo".

Civil Air Traffic

All traffic movements are compiled from data supplied by the Civil Aviation Authority of Singapore (formerly the Department of Civil Aviation) and relate to passengers, freight and mail on commercial flights handled primarily at the Paya Lebar Airport (up to 30 June 1981) and Changi Airport (from 1 July 1981). Air cargo handled exclude passenger baggage, diplomatic cargo and aircraft stores.

Passenger Movements

Data on arrivals and departures of passengers are compiled from returns submitted by airline and shipping agents and cover all persons except those travelling between Singapore and Peninsular Malaysia.

Visitors and Returning Singapore Residents

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

Data on returning Singapore residents by air and sea are compiled from Disembarkation Forms (IMM 23A) completed by all Singapore citizens and permanent residents returning from abroad.

From 1978, data on returning citizens/residents exclude all residents embarking at ports in Peninsular Malaysia. Before 1978, only Singapore and Malaysian citizens embarking from Peninsular Malaysia were excluded.

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 high speed high capacity dual carriageway roads designed specifically to handle high volumes of traffic with a high degree of safety. Intersections with other intersecting 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 or may not be divided roads. Intersections with other main roads are usually signalised. Traffic control measures are used to accord priority to the through-traffic. Direct access to abutting development is permitted when alternative access is not available.

Collector Roads : These are roads serving traffic between the major arterial roads and the local roads. They also carry through-traffic within a local area. They may or may not 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

Registration of motor vehicles is compulsory and the licence is renewable every six months or a year with the Registry of Vehicles.

Road Casualties

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

11.1 VESSELS REGISTERED IN SINGAPORE, 1982-1986

(End of Period)

Tonnage Class (Gross Registered Tons)	1982		1983		1984		1985		1986	
	No.	'000 GRT	No.	'000 GRT	No.	'000 GRT	No.	'000 GRT	No.	'000 GRT
Total	1,780	7,730	1,743	7,140	1,555	6,864	1,406	6,622	1,265	7,262
Non-propelled or Below 100	974	592	945	582	824	520	727	475	614	407
100 & Above	806	7,138	798	6,558	731	6,344	679	6,147	651	6,855

Source : Marine Department

11.2 AGE DISTRIBUTION OF VESSELS REGISTERED IN SINGAPORE, DECEMBER 1986

Tonnage Class (Gross Registered Tons)	Age Group (Years)													
	0 — 4		5 — 9		10 — 14		15 — 19		20 — 24		25 — 29		30 & Above	
	No.	'000 GRT	No.	'000 GRT	No.	'000 GRT	No.	'000 GRT	No.	'000 GRT	No.	'000 GRT	No.	'000 GRT
Total	222	1,289	491	1,688	325	3,171	170	923	37	138	15	42	5	8
Non-propelled or Below 100	119	74	333	224	118	87	37	18	5	3	2	-	-	-
100 to Below 500	34	9	61	14	50	12	29	9	14	4	2	1	1	-
500 to Below 1,000	14	10	8	7	12	10	19	18	4	4	3	2	1	1
1,000 to Below 5,000	12	25	24	73	30	111	39	108	7	17	5	12	3	7
5,000 to Below 10,000	7	61	11	90	35	261	23	179	3	28	2	16	-	-
10,000 & Above	36	1,110	54	1,280	80	2,690	23	591	4	82	1	11	-	-

Source : Marine Department

11.3 VESSELS LICENSED IN SINGAPORE

Number

End of Year	Vessels Other than Fishing Vessels					Fishing Vessels		
	Total	Native Sailing Craft	Cargo Boats	Passenger Boats	Others ¹	Total	Powered Vessels	Non-powered Vessels
1976	2,981	26	2,077	286	592	709	493	216
1977	2,911	26	2,000	297	588	736	539	197
1978	3,004	28	1,938	477	561	719	546	173
1979	2,923	24	1,887	463	549	685	546	139
1980	2,877	21	1,829	458	569	641	511	130
1981	2,926	15	1,793	527	591	655	526	129
1982	2,840	13	1,650	568	609	622	514	108
1983	2,731	8	1,495	582	646	516	460	56
1984	2,599	3	1,381	550	665	483	443	40
1985	2,383	1	1,223	514	645	446	415	31
1986	2,241	1	1,116	494	630	423	401	22

¹ Figures refer to work boats, bum boats and tug boats.

Source : Marine Department
Primary Production Department
Port of Singapore Authority

11.4 VESSELS ENTERED AND CLEARED

Year	Total				Vessels of Over 75 NRT				Vessels of 75 NRT & Under & Native Crafts of All Types ¹			
	Entered		Cleared		Entered		Cleared		Entered		Cleared	
	No.	'000 NRT	No.	'000 NRT	No.	'000 NRT	No.	'000 NRT	No.	'000 NRT	No.	'000 NRT
1976	38,289	113,510	38,435	114,313	20,012	111,075	19,995	111,710	18,277	2,435	18,440	2,603
1977	39,088	130,596	39,343	129,890	20,602	128,264	20,616	127,355	18,486	2,332	18,727	2,535
1978	44,306	138,208	44,549	138,405	21,787	135,433	21,829	135,588	22,519	2,775	22,720	2,817
1979	47,729	153,581	47,925	153,424	23,704	149,846	23,721	149,655	24,025	3,735	24,204	3,769
1980	47,732	158,253	48,038	158,688	24,877	155,167	24,820	155,369	22,855	3,086	23,218	3,319
1981	50,837	177,247	50,967	176,073	26,134	173,272	26,097	171,951	24,703	3,975	24,870	4,122
1982	54,379	186,289	54,444	186,607	27,957	181,392	27,892	181,723	26,422	4,897	26,552	4,884
1983	56,224	188,332	56,309	188,868	27,861	182,951	27,909	183,441	28,363	5,381	28,400	5,427
1984	55,283	175,523	55,357	175,011	26,458	170,334	26,429	169,613	28,825	5,189	28,928	5,398
1985	55,284	171,367	54,628	170,507	27,817	165,294	27,566	165,593	27,467	6,073	27,062	4,914
1986	60,863	206,366	60,519	204,392	30,911	201,005	30,717	199,863	29,952	5,361	29,802	4,529

Note: Figures include vessels with cargo and in ballast, and exclude fishing vessels.

1 Include non-motorised vessels of all tonnages.

Source: Port of Singapore Authority
with effect from July 1986

11.5 SEA CARGO DISCHARGED AND LOADED

Thousand Freight Tonnes

Year	Discharged			Loaded		
	Total	General Cargo & Other Bulk Cargo	Mineral Oil-in-Bulk	Total	General Cargo & Other Bulk Cargo	Mineral Oil-in-Bulk
1976	37,703.1	10,900.5	26,802.6	20,273.4	6,481.2	13,792.2
1977	39,833.8	11,302.5	28,531.3	24,284.8	7,501.9	16,782.9
1978	44,832.5	13,237.8	31,594.7	28,506.7	9,082.0	19,424.7
1979	48,424.4	15,745.2	32,679.2	31,388.4	10,762.1	20,626.3
1980	48,550.0	16,917.3	31,632.7	32,412.5	11,553.4	20,859.1
1981	53,598.7	18,419.5	35,179.2	33,745.1	12,120.6	21,624.5
1982	59,995.9	21,088.6	38,907.3	35,665.0	12,610.2	23,054.8
1983	63,848.9	23,579.0	40,269.9	36,277.6	12,987.0	23,290.6
1984	63,849.0	24,649.6	39,199.4	40,344.4	16,368.2	23,976.2
1985	59,236.5	20,806.5	38,430.0	40,308.7	15,128.1	25,180.6
1986	67,121.2	23,227.5	43,893.7	45,707.5	16,892.6	28,814.9

Note : Data on sea cargo loaded exclude ship's stores and mineral oil supplied as bunker fuel to vessels.

Source : Port of Singapore Authority
with effect from July 1986

11.6 SEA CARGO DISCHARGED AND LOADED BY REGION AND SELECTED COUNTRY OF ORIGIN AND DESTINATION, 1982-1986

Thousand Freight Tonnes

Region/Country of Origin or Destination	1982		1983		1984		1985		1986	
	Discharged	Loaded	Discharged	Loaded	Discharged	Loaded	Discharged	Loaded	Discharged	Loaded
ALL COUNTRIES	59,995.9	35,665.0	63,848.9	36,277.6	63,849.0	40,344.4	59,236.5	40,308.7	67,121.2	45,707.5
South East Asia	10,786.8	8,897.9	12,490.0	10,033.8	11,816.2	9,960.1	11,970.0	9,933.5	12,713.0	10,778.4
North East Asia	11,083.0	12,838.0	12,459.6	12,081.5	14,711.5	12,702.8	17,761.8	12,552.1	15,680.5	17,231.4
China, People's Rep	1,627.3	559.0	1,534.1	315.4	4,577.9	277.5	9,642.8	396.3	8,067.6	2,082.4
Hong Kong	1,194.1	5,578.5	1,227.3	4,642.4	1,024.0	4,454.3	1,071.7	4,483.7	1,489.5	5,493.8
Japan	5,975.3	5,471.7	6,466.0	5,433.7	5,237.0	6,261.0	3,943.9	6,311.5	3,288.7	7,352.0
Taiwan	1,448.5	477.5	2,124.4	602.8	2,698.5	773.2	2,268.2	971.3	1,786.7	1,402.8
South Asia	994.3	2,355.1	1,262.3	2,180.1	596.8	3,230.5	1,135.1	2,970.5	773.0	2,388.0
Red Sea & Persian Gulf Area	28,084.5	3,400.4	26,755.3	3,451.7	26,066.8	4,635.9	17,519.1	3,121.1	27,831.5	3,250.5
Bahrain	1,691.0	107.0	1,147.4	94.1	966.3	100.6	535.9	122.0	1,653.7	60.6
Iran	4,070.8	659.5	2,206.0	1,294.3	2,312.8	979.2	5,461.9	1,389.2	6,272.7	1,866.9
Kuwait	3,040.1	290.6	4,074.3	213.5	6,067.4	305.1	2,928.6	261.6	10,095.5	126.5
Saudi Arabia	17,504.4	1,570.6	14,087.3	989.4	11,516.2	2,330.2	4,644.9	590.1	6,269.5	457.8
Mediterranean Sea (excluding France)	726.1	426.0	872.3	708.0	730.6	504.8	992.4	755.8	980.0	688.8
Other Africa	739.0	604.4	621.8	636.3	454.2	698.3	370.2	596.0	519.6	778.3
Atlantic Europe	2,293.4	1,774.1	3,179.5	1,742.5	2,947.9	1,734.9	2,891.1	2,247.6	3,226.4	2,509.2
France	320.0	289.5	406.3	275.1	359.2	269.2	566.2	314.5	528.1	420.4
Germany, Fed Rep	757.2	350.9	774.2	390.5	868.2	433.0	697.2	452.7	793.2	664.9
Netherlands	485.5	699.9	656.7	531.7	704.1	505.4	623.0	692.9	708.2	681.4
United Kingdom	428.9	324.9	876.8	419.1	598.6	385.1	638.9	628.7	832.1	549.8
Northern Europe	132.6	82.8	200.7	85.4	227.4	61.7	170.2	70.9	127.5	98.2
Soviet Union & Other Eastern Europe	417.6	235.6	457.8	121.9	250.4	262.3	255.9	216.5	439.5	235.7
Oceania	1,981.5	3,966.4	1,948.8	3,309.4	3,477.0	3,965.9	3,030.4	3,967.8	1,960.0	4,074.4
Australia (West Coast)	274.6	875.5	434.1	960.1	789.5	1,021.3	706.0	939.2	470.9	938.2
Australia (East Coast)	1,477.4	1,128.8	1,276.5	733.8	2,309.0	1,391.2	1,932.6	1,041.4	1,178.7	1,330.1
New Zealand	191.9	842.8	138.5	559.2	330.3	484.3	317.5	935.2	276.1	587.2
North America	2,301.1	950.6	3,212.1	1,555.0	2,251.8	2,415.8	2,911.9	3,673.6	2,577.9	3,453.4
United States (Atlantic Ports)	645.7	516.2	1,192.4	1,011.0	814.9	1,426.7	1,050.8	2,705.4	1,049.2	2,154.3
United States (Pacific Ports)	1,407.2	379.7	1,743.6	368.1	804.7	872.9	1,628.9	802.3	1,306.0	931.4
Central & South America	456.0	133.7	388.7	372.0	318.4	171.4	228.4	203.3	292.3	222.0

Note : See note to Table 11.5.

Source : Port of Singapore Authority
with effect from July 1986

11.7 CIVIL AIRCRAFT LANDINGS, PASSENGERS AND MAIL

Year	Aircraft Landings	Passengers			Mail	
		Arrival	Departure	In Transit	In-coming	Out-going
	Number	Persons			Tonnes	
1976	32,710	1,859,505	1,880,888	795,465	1,759	2,899
1977	33,542	2,106,710	2,118,109	899,084	2,040	3,378
1978	35,376	2,410,255	2,404,128	935,415	2,746	3,267
1979	37,009	2,720,180	2,710,067	1,064,077	3,619	3,798
1980	37,956	3,140,723	3,151,032	1,002,794	3,975	4,076
1981	35,652	3,597,104	3,578,108	976,946	4,291	4,244
1982	34,068	3,787,411	3,791,145	1,033,256	4,043	4,286
1983	33,776	3,830,720	3,855,604	992,828	4,322	4,708
1984	35,327	4,180,752	4,221,117	1,063,782	4,308	4,978
1985	36,600	4,323,587	4,397,908	1,135,335	4,711	5,741
1986	36,514	4,445,576	4,489,692	1,132,451	4,422	5,527

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

11.8 AIR CARGO DISCHARGED AND LOADED BY REGION AND SELECTED COUNTRY OF ORIGIN AND DESTINATION, 1982-1986

Tonne

Region/Country of Origin or Destination	1982		1983		1984		1985		1986	
	Discharged	Loaded	Discharged	Loaded	Discharged	Loaded	Discharged	Loaded	Discharged	Loaded
Total	120,715	101,589	144,722	116,203	163,726	134,211	167,388	132,631	192,624	160,184
South East Asia	31,168	40,091	36,231	38,255	42,102	41,771	41,142	40,161	47,888	38,587
Malaysia	5,653	949	6,538	11,488	8,174	14,619	7,499	14,252	10,004	12,566
Philippines	2,678	2,571	3,041	2,730	3,884	3,648	3,476	3,686	3,248	3,810
Thailand	11,143	4,648	11,332	5,531	13,770	6,161	15,506	6,057	17,664	7,015
North East Asia	37,159	17,165	42,480	22,534	46,269	29,168	46,021	29,290	57,603	38,663
Hong Kong	11,826	6,991	11,584	8,668	11,235	9,135	11,152	8,901	13,992	10,481
Japan	15,943	6,980	20,207	9,599	18,214	12,970	19,078	12,442	22,205	17,168
Taiwan	7,763	1,552	8,526	1,658	12,645	2,493	11,353	2,660	15,270	4,229
South Asia	3,676	5,494	5,127	6,488	6,466	8,087	6,572	8,161	9,160	9,049
India	2,228	2,836	3,104	3,226	3,748	4,041	4,220	4,590	5,457	4,698
West Asia	3,273	2,947	3,263	4,148	2,859	4,281	1,483	3,791	1,632	4,444
Oceania	13,315	9,366	18,950	10,596	21,894	12,397	27,678	12,363	31,402	16,509
Australia	10,800	7,025	16,135	8,018	18,321	9,397	23,459	9,448	27,760	13,201
New Zealand	2,493	2,072	2,773	2,211	3,470	2,662	4,098	2,494	3,508	2,857
Europe	23,481	20,660	25,405	24,767	30,643	26,697	29,925	27,455	30,323	37,710
France	1,539	2,383	1,658	2,130	2,022	2,446	1,986	2,529	2,124	2,888
Germany, Fed Rep	2,130	3,093	2,347	3,618	2,721	3,243	2,905	3,040	2,929	4,332
Netherlands	4,263	3,281	4,994	4,778	6,360	5,633	6,105	5,452	4,946	7,243
Scandinavia	2,439	1,407	2,815	1,558	2,669	1,400	2,756	1,224	2,564	1,973
Switzerland	2,567	2,585	2,871	2,877	2,729	3,219	3,193	3,463	3,379	3,625
United Kingdom	2,492	3,797	2,774	5,327	3,010	6,123	2,796	6,670	3,059	8,851
North America	8,643	5,864	13,266	9,411	13,493	11,782	14,432	11,084	14,238	14,620
United States	8,643	5,864	13,266	9,411	13,493	11,782	14,294	11,017	14,067	14,463
Other Regions	-	2	-	4	-	28	135	326	378	602

Note : Data exclude passenger baggage, diplomatic cargo and aircraft stores.

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

11.9 AIR PASSENGERS BY REGION AND SELECTED COUNTRY OF EMBARKATION AND DISEMBARKATION, 1982-1986

Number

Region/Country of Embarkation or Disembarkation	1982		1983		1984		1985		1986	
	Arrivals	Departures	Arrivals	Departures	Arrivals	Departures	Arrivals	Departures	Arrivals	Departures
Total	3,787,411	3,791,145	3,830,720	3,855,604	4,180,752	4,221,117	4,323,587	4,397,908	4,445,575	4,489,692
South East Asia	2,139,104	2,060,860	2,075,747	2,040,960	2,219,844	2,183,905	2,203,344	2,193,653	2,137,410	2,126,078
ASEAN	2,136,977	2,058,211	2,073,973	2,038,462	2,218,508	2,181,639	2,201,755	2,191,251	2,135,769	2,132,581
North East Asia	678,084	691,472	711,901	711,627	788,661	792,226	849,960	843,982	879,376	855,315
Hong Kong	342,300	334,130	360,774	339,837	402,072	382,020	417,847	395,063	436,638	402,003
Japan	241,951	261,238	249,100	267,158	260,915	275,998	292,770	305,176	293,489	304,056
Taiwan	76,657	81,840	80,472	88,052	97,709	105,825	95,990	96,324	100,420	96,586
South Asia	160,704	191,164	178,852	200,359	216,909	233,580	226,473	254,058	290,639	315,477
India	78,775	99,779	102,436	117,198	129,582	143,329	154,722	171,218	186,261	203,145
Pakistan	10,565	12,800	10,410	12,573	12,129	14,201	16,545	19,278	22,420	24,022
Sri Lanka	64,314	70,933	60,589	64,305	61,033	61,606	31,491	33,750	58,683	61,159
West Asia	61,664	69,189	69,468	72,951	91,745	99,333	90,734	97,260	75,607	69,357
Oceania	328,351	364,970	359,772	371,072	391,175	421,294	425,402	465,093	489,188	546,796
Australia	273,211	302,080	301,923	308,378	329,238	352,676	354,005	390,631	411,567	467,707
New Zealand	45,618	54,446	47,586	52,535	51,286	57,825	57,103	60,836	62,922	65,411
Europe	353,429	333,527	364,518	375,233	398,917	406,010	447,414	452,053	478,139	476,907
France	26,027	27,684	29,215	31,153	27,706	31,644	31,499	34,833	31,136	34,220
Germany, Fed Rep	33,864	32,737	37,521	37,486	43,485	44,407	41,537	47,545	46,150	53,684
Netherlands	55,434	47,081	55,227	47,370	59,683	54,620	63,592	56,072	60,768	53,945
Scandinavia	16,913	17,612	19,338	20,241	20,736	23,869	24,381	28,357	26,192	29,318
Switzerland	24,768	29,384	28,149	34,550	32,005	38,882	31,380	41,409	31,360	38,065
United Kingdom	130,082	115,706	130,719	136,848	146,884	131,267	177,613	156,220	193,465	170,504
North America	66,075	79,918	70,462	83,402	72,864	83,666	67,704	77,340	74,552	79,453
United States	66,075	79,914	70,462	83,402	72,864	83,666	66,111	75,505	72,337	77,365
Other Regions	-	45	-	-	637	1,103	12,556	14,469	20,664	20,309

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

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

11.10 VISITOR ARRIVALS BY CITIZENSHIP

(By Air, Sea and Land)

Thousand

Citizenship	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Total	1,320.6	1,506.7	2,047.2	2,247.1	2,562.1	2,828.9	2,956.7	2,853.6	2,991.4	3,031.0	3,191.1
South East Asia	369.0	443.5	729.7	777.7	883.1	971.9	1,043.2	935.1	934.9	898.1	891.2
ASEAN	368.9	443.5	727.8	775.0	879.4	966.8	1,036.5	928.3	927.5	890.4	882.8
North East Asia	190.2	248.1	297.5	375.0	433.8	507.0	559.2	555.8	574.8	582.4	633.5
Hong Kong (UK Dependency)	19.2	21.9	33.8	41.0	54.2	58.3	64.1	60.1	62.2	61.0	64.7
Japan	141.6	190.6	218.7	261.0	298.6	365.2	389.1	381.4	383.3	390.2	417.9
Taiwan	29.5	35.6	34.8	59.0	63.0	58.5	67.6	69.9	84.2	87.0	104.0
South Asia	43.8	49.6	127.6	161.8	194.2	227.0	218.8	255.9	298.4	320.2	349.2
India	31.3	34.8	97.8	124.5	149.6	173.8	168.4	202.7	237.7	259.0	279.1
Pakistan	4.7	5.9	9.8	12.9	17.1	17.7	16.8	18.0	21.5	23.0	28.3
Sri Lanka	7.9	8.9	14.5	16.9	18.8	24.3	24.1	25.8	28.4	28.3	32.0
West Asia	17.5	23.6	21.2	24.1	30.4	29.9	29.5	27.4	36.1	51.9	48.8
Oceania	218.7	226.7	249.7	240.7	275.5	287.5	305.8	284.2	310.9	319.4	335.5
Australia	190.1	190.8	204.8	187.8	216.9	231.8	246.5	227.1	252.2	261.9	273.3
New Zealand	28.6	35.9	43.2	50.9	56.1	52.9	56.7	54.4	56.2	54.2	58.8
Europe	304.1	339.4	420.0	472.5	517.0	552.2	537.2	526.2	555.7	577.0	634.3
France	35.1	37.7	45.0	50.5	49.3	53.2	49.5	44.8	50.2	49.5	53.4
Germany, Fed Rep	39.8	45.0	60.3	68.7	78.7	85.1	73.3	72.7	78.6	79.3	84.8
Netherlands	31.0	38.1	45.9	51.3	56.6	59.0	50.9	50.7	50.0	50.0	52.1
Scandinavia	15.4	19.7	25.6	30.4	36.5	40.9	41.1	42.9	46.1	50.7	59.5
Switzerland	12.7	14.9	19.1	19.2	21.9	25.1	25.8	24.7	26.9	30.8	34.3
United Kingdom	124.2	132.2	168.0	182.3	197.6	215.8	227.2	222.8	223.6	229.9	243.6
America	169.9	169.4	186.2	180.0	206.1	221.9	226.4	241.8	247.2	248.8	260.3
United States	147.3	143.3	153.8	144.6	163.5	172.4	181.1	196.2	201.1	197.8	208.3
Canada	16.9	19.3	21.9	22.5	26.5	30.6	32.3	35.3	34.1	38.0	39.7
Africa	2.8	2.1	6.0	6.9	8.5	10.3	10.6	10.8	11.3	10.9	13.7
Other Regions	4.6	4.3	9.3	8.4	13.5	21.2	26.0	16.4	22.1	22.3	24.6

Note: Figures exclude Malaysian arrivals by land. Prior to 1978, other arrivals by land as well as Malaysians coming direct to Singapore by air and sea were also excluded.

Source: Singapore Tourist Promotion Board

11.11 VISITOR ARRIVALS BY REGION AND SELECTED COUNTRY OF RESIDENCE

(By Air, Sea and Land)

Thousand

Region/Country of Residence	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Total	1,320.6	1,506.7	2,047.2	2,247.1	2,562.1	2,828.9	2,956.7	2,853.6	2,991.4	3,031.0	3,191.1
South East Asia	439.2	518.5	857.2	912.2	1,032.0	1,122.1	1,189.8	1,069.2	1,064.0	1,015.9	1,009.3
ASEAN	438.0	517.1	855.3	909.3	1,028.1	1,116.7	1,182.8	1,062.6	1,057.0	1,008.5	1,001.3
North East Asia	203.3	263.5	300.1	377.3	442.7	519.3	572.5	572.7	590.9	600.4	654.2
Hong Kong	40.2	44.1	52.1	62.7	82.5	85.8	92.9	92.9	98.5	97.7	104.8
Japan	139.5	188.9	209.3	250.3	287.4	354.8	378.5	370.6	369.5	377.7	404.3
Taiwan	18.1	23.2	30.4	51.7	56.3	55.3	65.1	68.0	80.3	82.8	100.4
South Asia	35.1	38.0	83.7	104.3	127.3	168.2	169.7	204.6	252.2	280.4	307.0
India	23.3	24.5	55.8	70.4	85.5	116.9	121.5	154.4	192.7	218.5	236.6
Pakistan	4.1	5.2	8.2	11.0	15.1	15.4	14.4	15.7	19.1	20.9	26.1
Sri Lanka	6.7	7.3	11.1	13.5	15.5	21.0	21.2	23.1	25.7	25.2	28.1
West Asia	13.0	20.4	28.9	36.0	44.3	44.2	47.0	46.5	52.1	64.0	60.6
Oceania	251.7	260.2	287.0	275.5	311.8	326.0	351.2	325.4	359.1	368.8	390.4
Australia	217.0	216.1	228.9	206.4	239.2	258.6	282.0	259.4	291.1	300.8	315.9
New Zealand	34.7	44.1	51.7	60.8	63.0	58.0	59.9	57.0	58.9	57.5	62.3
Europe	229.7	259.6	320.6	375.9	413.5	447.5	424.5	418.1	445.0	468.5	520.1
France	28.8	31.0	37.0	42.0	40.2	44.7	41.1	37.1	42.2	41.4	43.6
Germany, Fed Rep	35.6	39.9	55.0	63.5	73.0	79.8	68.1	67.3	72.8	73.9	78.4
Netherlands	23.1	29.6	36.7	42.2	47.1	49.6	41.4	40.6	40.2	40.5	42.7
Scandinavia	13.1	16.9	21.9	26.6	32.1	36.1	36.0	37.2	40.8	45.4	53.6
Switzerland	12.4	14.6	19.0	19.3	22.0	25.5	26.2	25.4	27.9	32.2	35.6
United Kingdom	72.8	78.2	99.8	117.3	128.4	145.0	149.9	150.4	150.2	158.4	170.1
America	142.2	140.9	154.1	148.5	172.0	185.3	186.7	204.1	213.9	219.0	231.7
United States	122.3	118.1	126.3	118.7	135.8	143.6	150.7	167.4	176.9	176.3	188.2
Canada	14.6	16.4	18.1	17.9	20.9	24.2	24.9	27.8	26.9	31.0	32.6
Africa	3.3	2.4	7.6	8.7	10.5	12.6	12.6	12.5	13.5	13.0	15.9
Other Regions	3.1	3.2	8.0	8.7	8.0	3.7	2.7	0.5	0.7	1.0	1.9

Note : See notes to Table 11.10.

Source : Singapore Tourist Promotion Board

11.12 VISITOR ARRIVALS BY REGION AND SELECTED COUNTRY OF EMBARKATION

(By Air, Sea and Land)

Thousand

Region/Country of Embarkation	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Total	1,320.6	1,506.7	2,047.2	2,247.1	2,562.1	2,828.9	2,956.7	2,853.6	2,991.4	3,031.0	3,191.1
South East Asia	760.9	863.3	1,331.4	1,422.5	1,617.1	1,760.6	1,820.3	1,696.8	1,707.5	1,669.5	1,697.2
ASEAN	759.2	862.7	1,330.4	1,420.1	1,613.9	1,757.9	1,818.0	1,695.1	1,706.0	1,668.0	1,695.5
North East Asia	182.9	226.5	249.0	307.9	366.0	432.9	458.0	452.1	479.0	505.6	535.3
Hong Kong	93.1	106.9	118.1	125.6	153.4	166.9	171.2	178.3	196.5	196.7	206.4
Japan	72.5	99.8	106.3	148.3	173.8	224.4	238.2	218.6	216.8	230.9	243.2
Taiwan	16.7	19.2	22.1	29.1	32.5	34.0	36.8	40.7	46.3	46.9	49.3
South Asia	42.4	47.5	67.8	80.7	88.7	108.3	114.8	132.3	161.2	168.8	216.3
India	24.1	27.1	40.9	45.7	46.0	58.3	59.5	78.2	102.4	126.1	148.5
Pakistan	4.3	4.3	5.4	6.7	8.5	7.4	8.3	8.4	10.8	13.4	18.7
Sri Lanka	14.0	16.0	19.9	25.6	30.6	39.1	44.5	43.1	44.8	25.3	44.3
West Asia	13.8	21.8	27.0	35.4	35.7	38.2	39.1	40.5	48.1	47.9	48.1
Oceania	150.7	159.4	161.9	165.3	194.9	214.9	240.2	235.3	273.1	289.2	315.2
Australia	130.4	129.8	131.3	128.1	153.9	176.6	199.9	192.6	228.3	240.3	265.8
New Zealand	17.2	26.5	27.7	32.5	35.4	31.7	32.5	34.2	36.5	38.8	38.6
Europe	146.1	169.5	179.4	200.8	222.7	230.8	240.3	245.4	272.7	295.5	312.8
France	10.9	13.4	14.1	15.5	15.2	18.6	19.0	19.6	21.6	22.0	22.0
Germany, Fed Rep	14.4	14.6	19.8	24.0	29.7	31.6	24.1	25.7	30.2	30.5	34.7
Netherlands	..	..	25.4	28.7	33.3	33.2	32.0	33.4	36.4	40.0	38.7
Scandinavia	..	..	6.9	7.9	10.1	11.7	11.7	12.4	13.1	15.0	18.1
Switzerland	..	..	7.3	8.0	10.4	14.2	15.3	16.8	19.4	18.5	19.3
United Kingdom	68.6	76.7	78.3	83.5	88.7	87.8	101.9	103.6	113.8	126.5	133.3
America	15.3	12.2	7.0	15.2	25.0	30.0	30.9	33.1	33.1	32.3	36.1
United States	14.7	11.6	6.6	14.6	24.3	29.3	30.1	32.5	32.5	31.1	34.6
Canada	0.4	0.5	0.3	0.2	0.3	0.3	0.3	0.3	0.3	1.0	1.2
Africa	1.0	0.3	0.5	0.9	1.2	1.7	1.5	1.2	1.1	7.1	14.4
Other Regions	7.5	6.2	23.2	18.4	10.8	11.5	11.6	16.9	15.6	15.1	15.7

Note : See notes to Table 11.10.

Source : Singapore Tourist Promotion Board

11.13 VISITOR ARRIVALS BY PURPOSE OF VISIT

(By Air, Sea and Land)

Number

Year	Total	Holiday	Business	Business & Holiday	Others
1976	1,320,625	858,608	156,561	116,325	189,131
1977	1,506,688	992,672	180,175	130,007	203,834
1978	2,047,224	1,295,450	230,447	154,759	366,568
1979	2,247,091	1,427,034	265,088	157,143	397,826
1980	2,562,085	1,644,209	300,901	166,093	450,882
1981	2,828,899	1,863,560	334,211	170,129	460,999
1982	2,956,690	1,942,726	365,365	166,835	481,764
1983	2,853,577	1,793,034	377,582	160,334	522,627
1984	2,991,430	1,855,708	407,206	175,678	552,838
1985	3,030,970	1,904,345	395,655	162,441	568,529
1986	3,191,058	2,039,015	403,474	159,941	588,628

Note : See notes to Table 11.10.

Source : Singapore Tourist Promotion Board

**11.14 AVERAGE LENGTH OF STAY OF VISITORS BY PURPOSE OF VISIT AND
TYPE OF ACCOMMODATION, 1978-1986**

Days

	1978	1979	1980	1981	1982	1983	1984	1985	1986
TOTAL	4.5	4.8	4.8	4.7	4.5	4.4	4.8	4.5	4.3
Purpose of Visit									
Holiday	4.4	4.8	4.9	4.8	4.7	4.7	4.8	4.6	4.4
Business	4.4	4.6	4.5	4.4	4.2	4.2	4.4	4.2	4.1
Business & Holiday	5.2	5.6	5.7	5.6	5.3	5.4	5.7	5.3	5.1
In Transit	1.1	1.1	1.0	0.9	0.8	0.9	0.9	0.8	0.8
Convention	5.3	5.2	4.9	5.2	5.1	5.6	5.0	4.9	5.3
Others	11.1	10.9	8.8	8.6	6.4	6.8	9.6	7.4	6.9
Type of Accommodation									
Hotel	3.4	3.6	3.7	3.7	3.7	3.6	3.6	3.5	3.4
Residence of Friends/Relatives	9.1	10.0	10.3	9.9	8.9	8.9	9.9	9.7	9.2
Own Residence	23.7	20.4	17.5	14.6	11.4	11.9	18.4	13.5	15.0
Others	5.1	6.0	6.1	5.9	5.3	5.6	7.7	6.4	4.1

Source : Singapore Tourist Promotion Board

11.15 VISITOR ARRIVALS, HOTELS AND CESS COLLECTION

Year	Visitor Arrivals	Tourist Hotels ¹				Sales Tax Collected on Food & Drinks
		Number	Number of Rooms Available	Average Occupancy Rate	Cess Collected	
	Thousand	At End Year		Per Cent	Thousand Dollars	
1976	1,320.6	71	10,041	78.4	3,892.0	9,877.7
1977	1,506.7	68	10,362	83.3	4,666.6	11,013.1
1978	2,047.2	72	10,652	86.5	5,758.4	12,574.3
1979	2,247.1	72	11,404	85.4	7,304.6	14,414.9
1980	2,562.1	69	12,479	86.1	9,671.3	17,576.1
1981	2,828.9	69	13,267	85.7	12,355.6	20,812.4
1982	2,956.7	47	13,784	80.8	13,789.7	22,921.5
1983	2,853.6	48	13,549	75.5	12,880.7	24,232.4
1984	2,991.4	51	14,350	75.5	12,569.3	25,342.1
1985	3,031.0	59	16,172	65.9	10,998.5	23,557.1
1986	3,191.1	60	18,858	64.7	10,224.2	23,154.7

¹ Figures from 1982 refer to tourist hotels with 50 or more rooms.

Source : Singapore Tourist Promotion Board
Customs & Excise Department

11.16 RETURNING SINGAPORE RESIDENTS BY REGION AND SELECTED COUNTRY OF EMBARKATION

(By Air and Sea)

Number

Region/Country of Embarkation	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Total	186,369	208,973	230,167	265,283	299,876	330,118	385,728	433,849	481,855	526,016	581,131
South East Asia	110,988	120,762	117,531	139,747	159,673	174,626	201,567	219,382	243,839	263,401	302,552
ASEAN	110,851	120,701	117,449	139,599	159,560	174,505	201,410	219,244	243,691	263,233	302,334
North East Asia	38,520	44,279	44,854	56,921	71,069	81,202	100,079	120,070	136,834	155,227	155,827
Hong Kong	28,862	32,819	32,255	40,177	50,458	55,890	70,663	86,774	99,284	112,441	110,847
Japan	2,141	3,327	3,288	4,765	6,936	9,853	12,614	15,668	16,891	17,898	15,059
Taiwan	6,188	6,603	7,511	9,672	11,174	12,931	14,256	15,155	17,544	16,153	16,148
South Asia	11,374	13,483	14,319	17,913	22,328	23,336	23,600	24,503	25,223	24,463	27,433
India	9,944	11,757	12,314	14,591	16,887	17,102	17,678	19,034	20,452	20,073	22,025
Pakistan	425	448	348	463	760	858	716	647	654	1,451	984
Sri Lanka	1,005	1,278	1,575	2,778	4,557	5,167	4,927	4,627	3,822	2,597	3,878
West Asia	1,893	4,016	4,411	4,502	4,704	4,630	4,932	6,658	6,598	7,154	6,690
Oceania	7,177	8,277	8,253	9,669	13,135	15,289	19,377	24,997	27,133	30,948	42,578
Australia	6,440	7,099	6,807	8,117	11,314	13,376	17,251	22,156	23,605	25,916	34,009
New Zealand	691	1,090	1,352	1,360	1,705	1,779	1,977	2,431	3,199	4,584	7,913
Europe	12,702	15,543	16,838	18,656	20,299	20,791	24,182	26,081	30,137	32,900	31,580
France	717	940	1,077	1,205	1,366	1,562	1,840	2,328	2,654	2,702	2,474
Germany, Fed Rep	500	703	889	1,124	1,444	1,403	1,716	1,642	2,108	2,003	2,460
Netherlands	...	...	1,456	1,824	2,105	2,064	2,374	2,512	2,762	2,814	2,760
Scandinavia	...	...	487	555	825	896	881	1,154	1,282	1,376	1,332
Switzerland	...	...	490	593	777	1,241	1,479	1,777	2,324	1,868	1,688
United Kingdom	8,680	10,443	10,907	11,652	11,889	11,498	13,160	14,023	16,282	19,020	17,445
America	844	850	1,114	4,018	6,683	8,659	9,962	10,479	10,454	10,424	12,325
United States	791	810	1,046	3,860	6,485	8,428	9,662	10,277	10,178	10,038	11,803
Canada	47	32	47	98	186	211	269	188	248	368	498
Africa	64	22	27	76	30	39	52	59	88	472	908
Other Regions	2,807	1,741	22,820	13,781	1,955	1,546	1,977	1,620	1,549	1,027	1,238

Note : Figures prior to 1978 exclude returning residents with Singapore and Malaysian citizenship embarking at ports in Peninsular Malaysia coming direct to Singapore.
From 1978, figures excluded all returning residents embarking at ports in Peninsular Malaysia.

11.17 RETURNING SINGAPORE RESIDENTS BY PURPOSE OF TRAVEL OVERSEAS AND LENGTH OF STAY OVERSEAS, 1978-1986

(By Air and Sea)

Number

	1978	1979	1980	1981	1982	1983	1984	1985	1986
TOTAL	230,167	265,283	299,876	330,118	385,728	433,849	481,855	526,016	581,131
Purpose of Travel Overseas									
Holiday	132,446	155,884	171,960	189,706	216,489	240,591	263,006	295,404	333,097
Business & Holiday	63,757	58,068	62,129	71,183	82,376	102,034	125,761	135,558	146,890
Education	5,578	14,738	18,042	18,947	20,346	15,935	10,089	10,899	10,876
Employment	14,041	10,857	8,133	8,474	9,129	14,615	21,808	19,142	21,675
Others	14,345	25,736	39,612	41,808	57,388	60,674	61,191	65,013	68,593
Length of Stay Overseas									
Under 1 Week	58,220	72,044	82,000	91,585	110,711	131,067	158,313	188,990	231,328
1 - Under 2 Weeks	46,595	56,025	62,107	69,751	85,202	99,495	115,358	124,357	138,641
2 - Under 4 Weeks	41,041	50,456	58,051	63,393	74,486	83,781	87,994	94,291	95,071
1 - Under 4 Months	31,329	35,433	40,646	40,353	48,779	53,472	57,794	60,584	61,591
4 - Under 6 Months	7,375	7,556	7,732	7,659	8,280	7,976	8,933	9,108	9,652
6 Months & Over	8,950	8,752	8,204	7,491	9,921	13,230	13,508	10,314	12,148
Not Stated	36,657	35,017	41,136	49,886	48,349	44,828	39,955	38,372	32,700
Median Length of Stay Overseas (Days)	12.8	12.4	12.3	11.9	11.8	11.5	10.8	10.1	9.2

Source : Singapore Tourist Promotion Board

11.18 PUBLIC ROADS

Kilometres

End of Year	Total Public Roads	Paved Roads					Local Roads Unimproved
		Total	Expressways	Major Arterial Roads	Collector Roads	Local Roads Improved	
1976	2,218	1,806	16	259	138	1,393	412
1977	2,237	1,851	17	264	140	1,430	386
1978	2,263	1,908	28	265	142	1,473	355
1979	2,289	1,961	28	280	144	1,509	328
1980	2,356	2,048	39	313	157	1,539	308
1981	2,483	2,198	54	345	188	1,611	285
1982	2,533	2,297	54	373	199	1,671	236
1983	2,568	2,369	57	387	211	1,714	199
1984	2,597	2,434	57	408	208	1,761	163
1985	2,645	2,507	73	435	202	1,797	138
1986	2,686	2,573	77	458	210	1,828	113

Source : Public Works Department

11.19 MOTOR VEHICLES REGISTERED

Number

End of Year	Total Motor Vehicles on Register	Motor Cars		Buses	Goods Vehicles	Motor Cycles & Scooters	Others ¹
		Private	Public				
1976	279,864	135,499	6,581	5,217	45,733	84,016	2,818
1977	289,954	134,903	7,201	5,442	49,502	89,840	3,066
1978	309,384	137,240	9,124	5,874	55,608	98,248	3,290
1979	338,729	143,402	10,277	6,217	67,201	108,051	3,581
1980	371,341	152,574	11,922	6,512	78,020	118,345	3,968
1981	401,805	161,692	13,375	6,950	87,752	127,722	4,314
1982	440,276	179,635	14,798	7,585	96,889	136,899	4,470
1983	476,288	202,092	14,841	7,985	105,090	141,569	4,711
1984	491,322	217,119	15,221	8,283	111,259	134,693	4,747
1985	486,760	221,279	14,971	8,717	109,596	127,564	4,633
1986	473,659	220,566	13,991	8,638	105,643	120,387	4,434

¹ Include hearses, tuition lorries and cranes, exempted lorries and tippers, road rollers, tractors, vans, vehicles used for specific purposes and others.

Source : Registry of Vehicles

11.20 ROAD CASUALTIES

Persons

Year	Total		Pedestrians		Pedal Cyclists ¹		Motor Cyclists & Passengers		Motor Vehicle Drivers & Passengers		Others	
	Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured
1976	286	9,400	132	2,582	27	1,009	58	2,576	64	3,120	5	113
1977	271	10,586	125	2,704	33	940	66	3,448	43	3,399	4	95
1978	278	12,509	103	2,555	27	931	87	4,435	61	4,509	-	79
1979	234	13,223	100	2,692	21	851	66	5,001	38	4,497	9	182
1980	259	11,756	96	2,192	18	638	94	4,645	48	4,166	3	115
1981	275	12,483	110	2,160	27	671	79	5,307	56	4,240	3	105
1982	307	12,582	96	2,112	25	684	126	5,660	58	4,043	2	83
1983	298	10,953	115	1,965	33	424	100	4,752	49	3,710	1	102
1984	327	11,529	114	2,002	26	408	116	4,698	69	4,259	2	162
1985	265	9,506	75	1,513	28	419	84	3,899	76	3,606	2	69
1986	251	8,124	69	1,224	18	352	115	3,445	46	3,006	3	97

¹ Include trishaw riders and passengers.

Source : Police Department

11.21 POSTAL ARTICLES HANDLED

Thousand

Year	Total	Ordinary Mail			Registered Mail	Parcel Mail	Local Urgent Mail ¹	Express Mail	Speedpost Mail ²
		Domestic	Surface	Air					
1976	350,362	227,302	41,760	68,244	11,202	1,664	-	190	-
1977	367,745	227,438	33,944	92,681	11,702	1,736	15	229	-
1978	393,439	240,250	37,584	100,784	12,686	1,588	75	469	3
1979	412,935	257,814	36,519	102,183	13,935	1,636	142	687	19
1980	445,399	277,081	38,417	110,989	15,791	1,713	275	1,089	44
1981	483,510	302,602	41,410	118,728	17,349	1,753	416	1,175	77
1982	504,946	323,550	38,935	120,274	18,726	1,750	373	1,235	103
1983	562,141	372,055	40,048	127,657	18,785	1,784	427	1,249	136
1984	615,448	412,512	40,900	138,196	20,182	1,736	529	1,216	177
1985	627,991	435,062	43,444	125,251	20,449	1,628	598	1,326	233
1986	642,110	454,600	45,900	119,000	19,000	1,530	580	1,220	280

Local Urgent Mail (LUM) Service was introduced in August 1977.
Speedpost Service was introduced in April 1978.

Source : The Telecommunication Authority of Singapore

11.22 TELECOMMUNICATIONS

Thousands

Year	Outgoing Telegrams		Outgoing Telex Calls		International Telephone Calls ¹	Total Number of Telephones Installed ²
	Peninsular Malaysia	Other Countries	Peninsular Malaysia	Other Countries		
1976	55	798	176	2,154	1,077	374
1977	45	800	244	2,812	1,301	455
1978	45	739	304	3,673	1,760	540
1979	46	701	394	4,991	2,490	625
1980	46	655	523	6,831	3,535	702
1981	44	567	669	8,894	5,058	775
1982	38	445	966	11,077	7,091	852
1983	36	378	1,273	12,620	9,673	923
1984	43	336	1,528	14,140	12,643	1,003
1985	34	273	1,561	14,682	15,725	1,074
1986	35	266	1,635	14,850	21,611	1,116

¹ Figures exclude calls to Peninsular Malaysia.

² End of Period.

Source : The Telecommunication Authority of Singapore

12 FINANCE AND INSURANCE

Before 1971, the various monetary functions normally associated with a central bank were performed by several government departments and agencies. To centralize these functions, the Monetary Authority of Singapore (MAS) was established in 1971 to assume the central bank role except for the currency issuing function which remained the responsibility of the Board of Commissioners of Currency. The MAS 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, a number of merchant banks have also been given approval to operate ACUs. Data on ACUs are compiled from returns submitted regularly by the ACU operators to the MAS.

Insurance

Insurance business in Singapore comprises life and general insurance. The general insurance business covers a wide range of risks such as fire, marine, motor, personal accident and workmen's compensation. Data on insurance are compiled by the MAS from returns submitted by all insurance companies in Singapore.

Post Office Savings Bank

The Post Office Savings Bank of Singapore was incorporated under the Post Office Savings Bank of Singapore Act, 1971. The principal objectives of the Bank are to carry on the general business of a savings bank, to promote savings and encourage thrift and to mobilize domestic savings for the purpose of public development. Its savings are fully guaranteed by the government.

Central Provident Fund

Please see text on page 49.

Definitions

Money Supply : The amount of money in an economy. Narrowly defined, money supply (M1) consists of currency in active circulation and demand deposits. Money supply (M2), a broader definition, consists of 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 : 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 for its transactions in the Asian Dollar Market.

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

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

12.1 CURRENCY IN CIRCULATION

End of Year	Gross Circulation			Active Circulation ¹	Ratio of Active to Gross Circulation
	Total	Notes	Coins		
	Million Dollars				Per Cent
1976	2,119.2	1,997.5	121.7	1,946.8	91.9
1977	2,431.2	2,297.7	133.5	2,242.6	92.2
1978	2,822.0	2,675.8	146.2	2,582.8	91.5
1979	3,181.2	3,021.9	159.3	2,941.2	92.5
1980	3,498.8	3,321.9	176.9	3,137.0	89.7
1981	3,689.6	3,487.4	202.2	3,381.8	91.7
1982	4,339.1	4,114.6	224.5	3,996.0	92.1
1983	4,739.7	4,492.7	247.0	4,335.3	91.5
1984	5,033.4	4,767.5	265.9	4,619.2	91.8
1985	5,149.1	4,871.0	278.1	4,739.0	92.0
1986	5,484.2	5,188.6	295.6	5,033.4	91.8

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

Source : Board of Commissioners of Currency, Singapore

12.2 MONEY SUPPLY

Million Dollars

End of Period	Money Supply (M3)											
	Total	Net Deposits with Non-bank Financial Institutions¹		Money Supply (M2)								
				Total	Quasi Money				Money Supply (M1)			
		Finance Companies	Post Office Savings Bank		Total	Total	Fixed Deposits	S\$ Negotiable Certificate of Deposits	Savings & Other Deposits	Total	Currency in Active Circulation²	Demand Deposits of Private Sector
(1) [(2)+(3)+(4)]	(2)	(3)	(4) [(5)+(9)]	(5) [(6)+(7)+(8)]	(6)	(7)	(8)	(9) [(10)+(11)]	(10)	(11)		
1976	10,837.3	1,634.8		9,202.5	5,202.5	4,020.2	163.9	1,018.4	4,000.0	1,946.8	2,053.2	
1977	12,030.5	2,224.2		9,806.3	5,394.2	4,155.8	151.2	1,087.2	4,412.1	2,242.6	2,169.5	
1978	13,830.1	1,189.6	1,778.2	10,862.3	5,936.4	4,533.2	195.2	1,208.0	4,925.9	2,582.8	2,343.1	
1979	16,646.2	1,501.1	2,245.6	12,899.5	7,193.4	5,557.5	261.4	1,374.5	5,706.1	2,941.2	2,764.9	
1980	20,531.4	1,788.7	2,677.7	16,065.0	9,930.4	8,137.3	140.1	1,653.0	6,134.6	3,137.0	2,997.6	
1981	24,991.5	2,395.3	2,925.1	19,671.1	12,429.0	10,144.7	210.3	2,074.0	7,242.1	3,381.8	3,860.3	
1982	29,676.1	3,224.8	3,647.3	22,804.0	14,647.2	11,698.0	228.5	2,720.7	8,156.8	3,996.0	4,160.8	
1983	33,742.9	4,188.8	4,028.4	25,525.7	16,918.0	12,930.0	203.6	3,784.4	8,607.7	4,335.3	4,272.4	
1984	36,053.0	4,813.6	4,118.6	27,120.8	18,254.5	13,704.4	33.0	4,517.1	8,866.3	4,619.2	4,247.1	
1985	37,028.5	4,359.3	4,521.5	28,147.7	19,362.7	13,789.2	24.7	5,548.8	8,785.0	4,739.0	4,046.0	
1986	40,184.8	4,060.4	5,169.5	30,954.9	21,133.6	13,846.9	391.4	6,895.3	9,821.3	5,033.4	4,787.9	

Refers 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.

Source : The Monetary Authority of Singapore

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

12.3 FACTORS AFFECTING MONEY SUPPLY

Million Dollars

Changes During Year	Money Supply (M1)	Private Sector			Public Sector			Net Foreign Assets of Banking System		Others
		Bank Credit to Private Sector	Quasi Money	Excess of Lending or of Deposits (-)	Bank Credit to Government	Government Deposits with Banks	Excess of Lending or of Deposits (-)	Monetary Authorities ¹	Banks	
1976	527.8	744.0	510.5	233.5	297.6	1,382.8	-1,085.2	1,774.3	-205.8	-189.0
1977	412.1	872.4	191.7	680.7	163.8	1,486.9	-1,323.1	977.5	-210.9	287.9
1978	513.8	1,505.4	542.2	963.2	120.8	1,868.1	-1,747.3	1,365.2	-668.9	601.6
1979	780.2	2,672.2	1,257.0	1,415.2	41.5	2,055.1	-2,013.6	1,167.1	400.3	-188.8
1980	428.6	4,139.4	2,737.0	1,402.4	411.2	2,658.9	-2,247.7	1,241.9	-291.6	323.6
1981	1,107.5	5,043.2	2,498.6	2,544.6	373.0	3,530.9	-3,157.9	2,533.4	-994.8	182.2
1982	914.7	4,356.2	2,218.2	2,138.0	358.6	4,721.7	-4,363.1	2,454.7	-715.9	1,401.0
1983	450.9	5,356.5	2,270.8	3,085.7	559.6	5,021.5	-4,461.9	3,793.9	-2,826.0	859.2
1984	258.6	3,026.6	1,336.5	1,690.1	247.9	4,447.1	-4,199.2	2,889.3	-1,600.2	1,478.6
1985	-81.3	189.0	1,108.2	-919.2	267.3	3,350.4	-3,083.1	2,088.8	1,017.9	814.3
1986	1,036.3	-1,303.4	1,770.9	-3,074.3	-44.1	-1,685.0	1,640.9	691.9	3,788.5	-2,010.6

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

Source : The Monetary Authority of Singapore

12.4 OFFICIAL FOREIGN RESERVES

Million Dollars

End of Year	Total Foreign Reserves	Special Drawing Rights ¹	Reserve Position in the International Monetary Fund	Gold & Foreign Exchange
1976	8,261.5	-	28.3	8,233.2
1977	9,022.9	-	28.3	8,994.6
1978	11,473.8	-	38.3	11,435.5
1979	12,562.4	34.4	61.8	12,466.2
1980	13,757.7	42.7	126.1	13,588.9
1981	15,491.1	75.6	173.0	15,242.5
1982	17,917.9	127.5	183.1	17,607.3
1983	19,755.3	150.9	184.9	19,419.5
1984	22,748.0	147.3	186.2	22,414.5
1985	27,080.1	164.9	212.2	26,703.0
1986	28,157.5	195.4	228.8	27,733.3

Singapore received its first allocation of Special Drawing Rights in January 1979.

Source : The Monetary Authority of Singapore

12.5 EXCHANGE RATES

Year	Singapore Dollar Per									
	Malaysian Ringgit	US Dollar	Sterling Pound	Deutsche-mark	French Franc	100 Japanese Yen	100 Korean Won	100 New Taiwan Dollar	Hong Kong Dollar	Australian Dollar
1976	0.9723	2.4708	4.4638	0.9818	0.5169	0.8336	0.5105	6.2063	0.5041	3.0272
1977	0.9912	2.4394	4.2570	1.0512	0.4965	0.9110	0.4916	6.2607	0.5235	2.7053
1978	0.9821	2.2740	4.3613	1.1347	0.5039	1.0885	0.4423	5.9459	0.4858	2.6030
1979	0.9937	2.1746	4.6154	1.1876	0.5111	0.9966	0.4493	6.0323	0.4351	2.4310
1980	0.9839	2.1412	4.9777	1.1805	0.5076	0.9475	0.3240	5.6034	0.4305	2.4394
1981	0.9174	2.1127	4.2845	0.9378	0.3907	0.9581	0.3076	5.3443	0.3788	2.4286
1982	0.9166	2.1400	3.7450	0.8829	0.3270	0.8618	0.2733	5.1861	0.3532	2.1754
1983	0.9107	2.1136	3.2061	0.8296	0.2787	0.8903	0.2565	5.0706	0.2926	1.9074
1984	0.9104	2.1331	2.8486	0.7517	0.2448	0.8987	0.2572	5.0729	0.2729	1.8756
1985	0.8864	2.2002	2.8448	0.7520	0.2464	0.9275	0.2641	5.3076	0.2824	1.5428
1986	0.8441	2.1774	3.1958	1.0074	0.3151	1.3010	0.2472	5.7584	0.2790	1.4609

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

Source : The Monetary Authority of Singapore

12.6 ASSETS OF BANKS

(End of Period)

Million Dollars

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Total	16,526.8	18,238.0	21,218.3	26,747.8	33,316.1	44,630.7	48,537.2	56,537.8	65,707.2	70,618.0	76,833.3
Cash	105.3	115.1	154.6	161.1	272.4	222.4	247.9	275.4	291.4	303.5	334.2
Amounts Due from Banks	3,528.7	3,712.5	4,331.5	5,646.6	6,880.1	11,824.2	9,823.6	11,904.5	17,087.8	20,768.4	28,000.6
In Singapore	1,370.5	1,263.6	1,616.2	1,986.6	2,756.7	4,196.0	3,727.9	3,699.2	4,088.4	5,341.5	6,694.3
Outside Singapore ¹	2,158.2	2,448.9	2,715.3	3,660.0	4,123.4	7,628.2	6,095.7	8,205.3	12,999.4	15,426.9	21,306.3
Balances with The Monetary Authority of Singapore	511.7	546.3	633.1	733.7	923.1	1,195.4	1,417.5	1,557.6	1,742.3	1,830.1	1,907.9
Money at Call with Discount Houses	491.4	525.7	623.3	695.7	884.1	1,478.0	1,917.9	2,049.9	2,387.2	2,290.1	2,316.0
US Negotiable Certificates Deposit Held	380.1	292.6	198.4	166.2	127.8	89.0	76.9	136.5	133.1	105.0	134.2
Investments in Securities											
Equities	1,775.3	1,911.4	2,010.1	2,060.5	2,603.8	2,739.6	3,686.3	4,390.3	4,378.9	5,073.0	5,449.6
In Singapore	1,694.2	1,847.3	1,944.8	2,009.5	2,534.6	2,666.9	3,562.7	4,249.9	4,236.7	4,880.4	5,089.1
Outside Singapore	81.1	64.1	65.3	51.0	69.2	72.7	123.6	140.4	142.2	192.6	360.4
Loans & Advances including Bills Financing	8,894.2	10,183.0	12,226.4	16,007.0	20,206.9	25,229.1	29,442.9	34,045.8	36,867.5	37,403.1	35,792.8
Bills Discounted or Purchased	1,622.5	2,352.2	2,827.5	3,948.3	4,049.4	3,979.4	4,107.3	3,900.4	4,124.8	3,628.1	4,113.1
Payable outside Singapore	714.1	1,090.3	1,424.1	2,085.0	2,089.9	1,493.2	1,592.9	1,341.2	1,315.6	1,254.4	1,354.5
Payable in Singapore	908.4	1,261.9	1,403.4	1,863.3	1,959.5	2,486.2	2,514.4	2,559.2	2,809.2	2,373.6	2,758.6
Loans & Advances	7,271.7	7,830.8	9,398.9	12,058.7	16,157.5	21,249.7	25,335.6	30,145.4	32,742.7	33,775.0	31,679.8
Other Assets	840.1	951.4	1,040.9	1,277.0	1,417.9	1,853.0	1,924.2	2,177.8	2,819.0	2,844.8	2,898.0

Figures include Asian Currency Units.

Source : The Monetary Authority of Singapore

12.7 LIABILITIES OF BANKS

(End of Period)

Million Dollars

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Total	16,526.8	18,238.0	21,218.3	26,747.8	33,316.1	44,630.7	48,537.2	56,537.8	65,707.2	70,618.0	76,833.3
Deposits of Non-bank Customers	8,488.5	8,969.5	10,045.7	12,178.4	16,035.0	20,007.9	23,408.7	26,265.5	28,026.3	28,744.5	30,612.1
Demand Deposits	2,378.2	2,513.9	2,732.1	3,244.3	3,484.0	4,441.0	4,781.4	4,982.7	4,856.7	4,700.2	5,422.1
Fixed Deposits	5,062.4	5,328.3	6,045.3	7,473.0	10,788.4	13,315.4	15,619.7	17,099.6	18,191.5	17,940.8	17,609.9
Savings Deposits	999.2	1,069.5	1,211.2	1,394.8	1,692.5	2,168.1	2,917.4	4,079.9	4,870.1	5,982.8	7,426.1
Other Deposits	48.7	57.8	57.1	66.3	70.1	83.4	90.2	103.3	108.0	120.7	154.0
S\$ Negotiable Certificates of Deposit Issued	617.8	513.4	455.3	515.0	331.9	404.5	428.0	471.6	300.7	263.6	696.1
Amounts Due to Banks	4,432.0	5,044.2	6,624.7	8,615.9	9,942.5	15,366.0	14,426.4	18,803.7	25,403.9	29,531.0	33,303.3
In Singapore	1,372.2	1,271.7	1,718.7	2,415.4	2,888.4	4,241.3	3,941.6	3,895.1	4,275.2	5,724.1	6,833.5
Outside Singapore ¹	3,059.8	3,772.5	4,906.0	6,200.5	7,054.1	11,124.7	10,484.8	14,908.6	21,128.7	23,807.0	26,470.4
All Other Liabilities	2,988.5	3,710.9	4,092.6	5,438.5	7,006.7	8,852.3	10,274.1	10,997.0	11,976.3	12,078.8	12,220.4

¹ Figures include Asian Currency Units.

Source : The Monetary Authority of Singapore

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

(End of Period)

Million Dollars

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Total Loans and Advances including Bills Financing	8,894.2	10,183.0	12,226.4	16,007.0	20,206.9	25,229.1	29,442.9	34,045.8	36,867.5	37,403.1	35,792.8
Agriculture, Mining & Quarrying	72.3	63.4	66.6	79.7	83.6	144.2	151.2	132.0	155.0	147.4	101.5
Manufacturing	2,378.5	2,557.6	2,941.0	3,741.0	4,362.6	5,048.5	5,382.1	5,927.2	5,699.9	5,669.3	4,988.0
Building & Construction ¹	1,134.1	1,243.5	1,395.0	1,453.7	1,875.4	3,031.2	3,984.0	5,704.0	7,349.7	7,997.4	8,001.6
General Commerce	3,335.0	4,085.1	5,109.7	6,643.3	7,945.8	8,516.0	9,350.6	10,633.1	11,128.8	10,105.0	10,330.5
Transport, Storage & Communications	273.4	342.2	392.6	722.5	1,301.6	1,795.6	2,029.3	1,818.5	1,529.8	1,183.0	947.8
Financial Institutions	754.2	831.9	1,015.7	1,585.8	2,096.8	3,096.1	4,076.8	4,673.9	5,354.6	5,658.8	4,858.9
Professional & Private Individuals	610.0	621.5	717.3	900.8	1,420.5	2,218.8	2,581.4	3,368.3	3,785.7	4,285.9	4,389.6
Others	336.7	437.8	588.5	880.2	1,120.6	1,378.8	1,887.4	1,788.7	1,864.2	2,356.3	2,174.9

¹ : All data on bills financing include bills refinanced by Discount Houses and the Monetary Authority of Singapore.

Data include Building and Building Co-operative Societies, Building Developers, Real Estate Agents and Housing Loans.

Source : The Monetary Authority of Singapore

12.9 ASSETS AND LIABILITIES OF ASIAN CURRENCY UNITS

(End of Period)

Million US Dollars

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Total Assets	17,354.1	21,018.3	27,040.1	38,162.7	54,392.6	85,775.2	103,295.7	111,860.9	128,054.7	155,374.2	200,601.1
Loans to Non-banks	4,386.6	5,281.2	6,376.8	8,483.9	12,402.3	19,452.3	27,606.3	30,384.6	33,766.1	37,440.3	38,741.1
Inter-bank Funds	12,613.1	15,252.5	19,829.7	28,093.7	39,552.3	62,173.1	69,564.4	74,446.8	85,329.0	104,933.2	146,609.1
In Singapore	414.4	573.4	866.6	1,100.4	1,084.7	1,495.2	1,738.5	2,791.4	3,832.1	4,618.7	4,926.1
Inter-Asian Currency Units	2,954.9	3,080.4	3,718.9	5,999.3	9,955.4	15,522.3	19,213.9	19,690.0	21,862.5	26,991.8	30,603.1
Outside Singapore	9,243.8	11,598.7	15,244.2	20,994.0	28,512.2	45,155.6	48,612.0	51,965.4	59,634.4	73,322.7	111,079.1
Other Assets	354.4	484.6	833.5	1,585.0	2,437.9	4,149.9	6,125.1	7,029.5	8,959.7	13,000.8	15,250.1
Total Liabilities	17,354.1	21,018.3	27,040.1	38,162.7	54,392.6	85,775.2	103,295.7	111,860.9	128,054.7	155,374.2	200,601.1
Deposits of Non-banks	1,960.3	2,254.6	3,599.9	5,760.5	9,250.6	13,555.6	17,629.7	20,619.8	21,523.6	28,018.8	33,806.1
Inter-bank Funds	15,067.2	18,350.3	21,987.3	29,424.9	40,879.6	66,366.3	79,223.9	84,743.4	100,186.5	120,030.1	158,517.1
In Singapore	799.2	1,382.8	1,442.6	1,881.8	1,304.3	1,817.5	1,496.9	1,787.7	2,943.2	4,174.2	4,860.1
Inter-Asian Currency Units	2,954.9	3,080.4	3,719.1	5,999.4	9,955.2	15,523.0	19,226.6	19,697.9	21,866.5	26,993.8	30,603.1
Outside Singapore	11,313.1	13,887.1	16,825.6	21,543.6	29,620.1	49,025.8	58,500.4	63,257.8	75,376.8	88,862.1	123,053.1
Other Liabilities	326.6	413.4	1,452.9	2,977.2	4,262.4	5,853.4	6,442.2	6,497.7	6,344.5	7,325.3	8,277.1

Source : The Monetary Authority of Singapore

12.10 ASSETS AND LIABILITIES OF FINANCE COMPANIES

(End of Period)

Million Dollars

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Total Assets	1,607.3	1,761.2	2,017.3	2,472.8	3,075.1	4,275.4	5,357.4	6,523.8	7,239.6	6,935.7	6,947.5
Cash	2.1	2.2	2.5	3.2	4.5	5.0	6.8	8.5	8.3	10.3	9.0
Balances with The Monetary Authority of Singapore	70.1	76.2	86.6	105.7	126.0	170.9	217.2	267.5	313.9	288.4	286.7
Deposits with Banks & Other Institutions	384.8	366.0	373.8	368.7	405.0	707.2	751.6	678.7	862.9	1,002.6	1,520.4
Investments	56.9	71.3	95.2	111.3	100.5	114.6	120.4	139.8	165.2	151.7	153.2
Loans & Advances	1,026.4	1,176.9	1,397.1	1,827.9	2,367.1	3,187.6	4,129.7	5,277.3	5,727.3	5,313.6	4,742.7
Hire Purchase Finance	192.4	258.6	354.3	532.3	754.3	891.7	887.1	904.3	833.2	583.7	420.8
Housing Loans	440.0	431.4	446.4	551.6	637.2	763.6	879.7	1,165.8	1,348.9	1,386.5	1,445.1
Other Loans & Advances	394.0	486.9	596.4	744.0	975.6	1,532.3	2,362.9	3,207.2	3,545.2	3,343.4	2,876.8
Other Assets	67.0	68.6	62.1	56.0	72.0	90.1	131.7	152.0	162.0	169.1	235.4
Total Liabilities	1,607.3	1,761.2	2,017.3	2,472.8	3,075.1	4,275.4	5,357.4	6,523.8	7,239.6	6,935.7	6,947.5
Capital & Reserves	267.8	286.1	308.1	363.1	476.0	672.1	815.7	1,042.7	1,116.5	1,131.8	1,147.7
Deposits from Individuals & Institutions	1,191.2	1,305.4	1,510.0	1,812.4	2,121.3	2,942.2	3,711.5	4,564.1	5,278.3	5,014.0	4,889.1
Savings Deposits	43.9	50.6	55.5	62.8	65.2	75.9	112.3	171.8	209.2	278.8	332.4
Fixed Deposits	1,115.1	1,221.5	1,419.2	1,691.2	1,961.7	2,728.4	3,304.7	3,979.6	4,655.5	4,306.7	4,240.8
Other Deposits	32.2	33.3	35.3	58.4	94.4	137.9	294.5	412.7	413.6	428.5	315.9
Other Liabilities	148.3	169.7	199.2	297.3	477.8	661.1	830.2	917.0	844.8	789.9	910.8

Source : The Monetary Authority of Singapore

12.11 FINANCE COMPANIES' LOANS AND ADVANCES BY INDUSTRY

(End of Period)

Thousand Dollar

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Total	354,367	448,683	528,601	634,788	824,310	1,310,710	1,763,399	2,431,754	2,741,201	2,699,679	2,449,933
Agriculture, Mining & Quarrying	-	-	-	-	-	-	-	582	889	1,122	912
Manufacturing	11,375	13,805	20,934	29,473	92,645	164,594	167,659	228,706	217,604	223,874	231,089
Building & Construction	175,568	150,738	123,743	148,848	* 118,895	174,154	451,439	790,808	923,739	898,258	810,136
General Commerce	31,228	81,459	123,004	166,411	190,134	217,055	260,282	273,973	269,646	286,647	276,825
Transport, Storage & Communications	58,654	64,434	52,621	38,290	45,857	74,661	94,081	91,827	82,593	58,202	44,127
Financial Institutions	-	-	-	-	-	-	197,358	231,474	377,688	330,426	262,412
Professional & Private Individuals	50,405	93,972	134,370	163,501	230,321	390,540	458,654	622,348	682,346	715,161	648,390
Others	27,137	44,275	73,929	88,265	146,458	289,706	133,926	192,036	186,696	185,969	176,042

Source : The Monetary Authority of Singapore

12.12 ASSETS AND LIABILITIES OF MERCHANT BANKS, 1978-1986

(End of Period)

Million Dollars

	1978	1979	1980	1981	1982	1983	1984	1985	1986
Total Assets	3,746.7	8,378.3	13,299.6	19,279.6	22,020.4	23,625.0	25,844.9	28,207.0	31,581.4
Amounts Due from Banks	1,826.7	4,599.8	5,713.7	9,442.4	9,317.4	9,399.7	9,303.9	9,768.7	11,084.6
In Singapore	41.0	42.8	61.8	201.3	260.4	218.5	189.4	332.1	370.7
Outside Singapore ¹	1,785.7	4,557.0	5,651.9	9,241.1	9,057.0	9,181.2	9,114.5	9,436.6	10,713.9
Loans & Advances to Non-bank Customers	1,785.8	3,497.6	7,049.2	8,916.6	11,313.6	12,497.1	13,710.7	12,721.7	13,232.9
Securities & Equities	86.2	136.3	234.9	391.5	815.2	1,209.8	2,056.6	4,989.0	6,405.9
Other Assets	48.0	144.7	301.8	529.2	574.2	518.5	773.6	727.7	857.9
Total Liabilities	3,746.7	8,378.3	13,299.6	19,279.6	22,020.4	23,625.0	25,844.9	28,207.0	31,581.4
Capital & Reserves	195.1	309.3	452.1	909.8	1,395.3	1,620.4	2,412.6	2,956.8	3,867.9
Amounts Due to Banks	2,963.5	7,217.8	11,337.6	16,295.6	18,137.4	19,065.8	19,872.5	20,638.0	21,363.0
In Singapore	195.2	839.8	178.1	347.8	317.1	581.5	750.2	709.3	483.6
Outside Singapore ¹	2,768.3	6,378.0	11,159.5	15,947.8	17,820.3	18,484.3	19,122.3	19,928.7	20,879.4
Borrowings from Non-bank Customers	516.8	678.8	1,047.0	1,599.1	1,876.1	2,369.4	2,720.5	3,801.2	5,170.5
Other Liabilities	71.3	172.4	462.8	475.1	611.6	569.4	839.3	811.0	1,179.9

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

Source : The Monetary Authority of Singapore

Includes Asian Currency Units.

12.13 ASSETS AND LIABILITIES OF DISCOUNT HOUSES

(End of Period)

Million Dollars

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Total Assets	552.7	618.5	684.7	763.6	949.5	1,603.8	2,050.5	2,248.2	2,562.7	2,468.8	2,466.3
Treasury Bills	306.6	315.5	346.8	439.4	647.5	1,061.8	1,263.7	1,283.3	1,553.5	1,145.3	1,441.9
Other Government Securities	79.5	120.7	134.7	84.5	16.3	52.0	97.2	187.6	241.8	504.1	210.1
Bills Discounted Payable in Singapore ¹	92.5	117.7	147.3	158.5	230.0	375.0	493.9	540.5	594.0	587.7	556.9
S\$ Negotiable Certificates of Deposit	68.8	62.0	53.6	69.3	53.7	99.2	119.4	128.0	132.0	132.0	170.7
Other Assets	5.3	2.6	2.3	11.9	2.0	15.8	76.3	108.8	41.4	99.7	86.7
Total Liabilities	552.7	618.5	684.7	763.6	949.5	1,603.8	2,050.5	2,248.2	2,562.7	2,468.8	2,466.3
Capital & Reserves	21.9	25.1	26.0	27.4	28.6	42.3	59.1	74.9	84.1	95.6	97.4
Deposits	519.8	581.2	643.4	718.0	889.3	1,508.5	1,933.7	2,109.6	2,396.1	2,298.7	2,321.4
Other Liabilities	11.0	12.2	15.3	18.2	31.6	53.0	57.7	63.7	82.5	74.5	47.4

¹ Includes bills refinanced for banks.

Source : The Monetary Authority of Singapore

12.14 DOMESTIC INTEREST RATES

(End of Period)

Per Cent Per Annum

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Banks¹											
Prime Lending Rate	6.78	7.02	7.65	9.48	13.60	11.83	9.33	8.98	9.40	7.20	6.10
Average Lending Rate ²	8.60	8.60	9.00	10.50	14.20	..	..	..	..	..	..
Deposit Rates											
3 Months	3.76	4.54	5.29	7.15	11.22	7.43	6.16	6.53	6.00	4.58	2.88
6 Months	4.34	4.98	5.55	7.40	10.92	8.40	6.55	6.55	6.35	4.70	3.03
12 Months	5.31	5.53	6.01	7.65	10.55	8.95	7.08	6.75	6.80	4.88	3.30
Savings Deposit Rate	3.52	3.68	4.20	6.38	9.52	7.90	6.43	6.30	6.53	5.18	3.08
Finance Companies											
Average Lending Rate ²	10.80	10.20	9.80	9.90	11.80	..	..	..	..	..	..
Deposit Rates³											
Up to 3 Months	4.90	5.30	6.40	8.10	12.20	..	6.60	6.90	6.48	4.88	6.00
12 Months	6.70	6.50	6.80	7.60	9.90	..	7.58	7.38	7.18	5.30	6.86
POSB Savings Deposit Rate for Amounts											
Up to \$100,000	5.50	5.00	5.25	6.00	8.50	9.50	7.00	6.50	6.75	5.25	3.25
Exceeding \$100,000	5.50	5.00	3.50	4.25	6.00	7.00	5.50	5.50	5.75	4.00	2.25

1 Rates refer to the average quoted by 10 leading banks.

2 These rates are weighted by outstanding loans.

3 The deposit rates prior to 1982 are weighted by outstanding deposits. From 1982, the rates refer to the average nominal rates quoted by 10 leading finance companies.

Source : The Monetary Authority of Singapore
Post Office Savings Bank

12.15 DEPOSITS AND WITHDRAWALS OF POST OFFICE SAVINGS BANK

Million Dollars

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Number of Savings Accounts (End of Period)	1,144,990	1,343,904	1,523,969	1,710,552	1,898,264	2,075,705	2,282,362	2,492,924	2,672,166	2,874,460	3,063,499
Amount											
Deposited	1,000.4	1,535.7	2,256.0	2,621.5	3,581.4	5,147.3	6,542.2	7,844.9	8,923.0	10,930.4	12,083.8
Withdrawn	591.9	1,005.3	1,900.6	2,240.2	3,511.8	4,862.0	5,049.4	6,989.4	8,264.4	9,510.0	11,047.1
Due to Account Holders (End of Period)	996.0	1,589.0	2,029.0	2,525.2	2,756.7	3,265.9	5,058.4	6,240.9	7,287.3	9,129.4	10,558.6*

Source : Post Office Savings Bank

12.16 CONTRIBUTIONS AND WITHDRAWALS OF CENTRAL PROVIDENT FUND

Million Dollars

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986*
Amount											
Contributed	1,008.0	1,114.7	1,352.0	1,753.1	2,296.0	3,007.2	3,901.4	4,491.2	5,385.2	5,993.4	4,777.9
Withdrawn	377.7	503.5	657.8	629.3	779.1	1,067.6	1,241.2	1,718.1	3,509.3	3,359.7	3,823.8
Due to Members (End of Period)	4,066.1	4,954.0	5,981.4	7,515.5	9,551.2	12,149.8	15,655.5	19,504.7	22,670.4	26,829.5	29,337.4
Ordinary Account	4,066.1	4,936.5	5,874.1	7,138.0	8,705.3	10,839.0	13,901.2	17,126.0	19,335.6	22,108.0	23,943.9
Special Account	..	17.5	107.3	377.5	845.9	1,310.8	1,754.3	2,378.7	203.0	721.6	916.6
Medisave Account	..	..	..	..	..	..	..	..	3,131.8	3,999.9	4,476.9

Source : Central Provident Fund Board

12.17 WITHDRAWALS OF CENTRAL PROVIDENT FUND BY TYPE

Year	Total	Approved Housing Schemes				Reached 55 Years of Age		Leaving Singapore & Malaysia Permanently ¹		Death		Medisave Scheme	Others ²
		Public Housing		Approved Residential Properties									
	\$'000	No.	\$'000	No.	\$'000	No.	\$'000	No.	\$'000	No.	\$'000		
1976	377,721	40,308	275,245	..	..	11,182	76,247	1,454	14,113	2,038	9,259	..	2,857
1977	503,520	48,765	383,471	..	..	11,745	89,950	1,379	14,146	2,147	12,559	..	3,394
1978	657,790	48,680	488,413	..	..	14,291	123,083	1,382	15,725	2,207	13,797	..	16,772
1979	629,251	43,430	438,586	..	..	13,319	150,690	1,921	18,160	2,247	15,070	..	6,745
1980	779,084	47,212	520,943	..	..	15,513	213,906	2,961	23,239	2,206	15,566	..	5,430
1981	1,067,604	52,919	651,960	1,036	39,094	19,158	294,525	3,800	32,965	2,300	19,541	..	29,519
1982	1,241,160	30,214	540,168	5,241	256,140	21,392	322,853	8,304	56,387	2,969	27,101	..	38,511
1983	1,717,880	40,015	726,002	6,298	396,382	26,717	437,830	14,635	104,265	3,509	31,333	..	22,068
1984	3,509,279	81,390	2,153,764	7,095	539,065	31,725	606,008	8,424	96,426	3,171	35,587	17,613	60,816
1985	3,359,669	64,550	1,784,919	7,618	781,479	24,641	506,198	10,085	146,302	3,325	40,457	43,909	56,405
1986*	3,823,779	54,387	1,477,539	11,859	1,169,823	35,763	665,906	6,890	156,792	3,415	44,386	104,773	204,560

* Includes Malaysians leaving Singapore permanently.

2. Includes withdrawals by persons who are physically/mentally incapacitated, for purchase of home protection insurance, non-residential properties and approved shares and gold.

Source : Central Provident Fund Board

12.18 TURNOVER OF STOCKS AND SHARES

Million

Year	Total		Industrial		Finance		Hotels		Properties		Mining		Plantation		Debentures, Loan Stocks & Bonds	
	Units	Dollars	Units	Dollars	Units	Dollars	Units	Dollars	Units	Dollars	Units	Dollars	Units	Dollars	Units	Dollars
1976	715.2	1,940.8	410.8	956.3	163.4	793.8	41.5	52.3	79.2	106.8	2.8	4.0	10.1	15.2	7.4	12.4
1977	643.8	1,161.6	475.5	796.9	46.6	170.6	19.5	32.5	51.8	75.6	2.9	11.7	43.9	70.3	3.6	4.0
1978	1,492.1	3,387.2	886.7	1,944.5	152.4	637.1	116.8	163.9	142.9	216.4	61.4	129.6	128.9	291.4	3.0	4.3
1979	964.6	2,311.5	558.3	1,282.0	101.7	418.4	67.7	89.6	98.5	159.2	21.5	48.7	114.9	311.0	2.0	2.6
1980	2,222.2	7,824.7	1,311.2	4,615.3	229.7	1,295.7	143.2	275.5	325.2	1,030.4	60.3	196.7	114.0	392.6	38.6	18.5
1981	2,777.8	13,472.0	1,767.0	8,451.7	257.8	1,891.3	282.7	986.1	267.2	1,590.0	74.1	204.3	85.4	295.7	43.6	52.9
1982	1,666.1	5,176.7	981.9	2,930.9	201.1	1,172.0	113.7	242.3	181.3	616.3	32.6	64.2	39.3	79.5	116.2	71.5
1983	3,605.2	11,807.1	2,193.4	7,205.1	340.5	2,108.0	212.6	514.1	317.6	1,033.3	125.3	256.6	170.1	502.5	245.7	187.5
1984	3,042.6	8,211.2	2,101.5	5,628.9	238.9	1,235.7	139.8	309.9	135.7	319.6	150.8	256.5	123.0	357.1	152.9	103.5
1985	3,024.7	6,319.3	2,144.8	4,338.0	286.2	1,227.5	109.1	153.4	159.0	246.5	151.4	105.2	86.2	203.3	88.0	45.4
1986	3,951.4	8,000.5	2,607.5	5,107.0	410.8	1,760.5	178.4	174.6	412.1	614.1	32.1	33.9	123.1	215.6	187.4	94.8

Source : Stock Exchange of Singapore

12.19 STOCK EXCHANGE OF SINGAPORE INDICES

(1975 = 100)

Year	Industrial	Finance	Hotels	Properties	Mining	Plantation
1976	112.0	122.3	94.1	111.4	96.6	115.5
1977	110.2	106.0	96.6	116.0	139.7	138.5
1978	137.5	121.9	138.2	146.8	201.3	220.5
1979	158.4	144.9	187.4	192.0	263.5	298.4
1980	230.5	211.7	313.6	267.0	440.4	393.3
1981	329.7	302.5	632.6	425.5	503.0	412.6
1982	252.8	279.0	518.8	394.6	313.6	350.8
1983	306.5	353.3	463.4	404.8	316.9	463.4
1984	300.9	338.4	392.2	378.6	317.7	507.6
1985	236.4	285.4	306.4	343.1	238.1	426.7
1986	202.4	272.7	243.1	320.1	179.8	320.3

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

Source : Stock Exchange of Singapore

12.20 PLEDGES AT PAWNSHOPS

Year	Pledges		Amount of Loan	
	Received	Redeemed	Given Out	Redeemed including Interest
	Number		Million Dollars	
1976	2,036,468	1,864,317	205.0	203.9
1977	1,992,950	1,875,631	213.0	216.2
1978	1,901,068	1,774,697	236.1	229.6
1979	2,006,025	1,891,252	305.4	291.3
1980	1,945,756	1,885,832	382.7	372.1
1981	1,912,592	1,821,172	406.1	413.2
1982	1,920,851	1,854,035	397.2	410.8
1983	1,947,232	1,848,226	451.0	446.5
1984	2,046,769	1,899,551	492.0	489.1
1985	2,177,003	1,959,618	513.8	505.3
1986	2,227,215	2,094,071	534.9	544.4

12.21 LIFE INSURANCE POLICIES, 1976-1985

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
	Number									
Policies in Force ¹	155,425	183,099	214,316	246,657	248,077	271,214	314,375	359,902	379,880	405,452
New Policies ²	34,628	45,303	50,632	61,707	59,174	49,539	70,374	78,212	57,013	63,712
Policies Matured or Discontinued	19,244	17,929	19,415	29,366	25,245	26,409	27,213	32,685	37,193	38,140
	Thousand Dollars									
Policies in Force										
Amount Insured (End of Period)	2,717,174	3,323,449	4,081,856	5,162,192	6,334,818	7,778,400	10,720,967	13,810,338	16,421,618	19,466,919
Premiums	85,058	99,577	117,389	143,178	170,038	198,046	250,420	305,341	332,482	363,484
New Policies										
Amount Insured	765,334	922,908	1,124,796	1,454,410	1,664,513	1,894,480	3,302,814	4,192,993	4,001,812	4,786,431
Premiums	20,764	24,334	29,085	36,700	40,114	43,508	70,270	78,992	60,644	67,563
Policies Matured or Discontinued										
Amount Insured	285,161	318,115	366,389	374,074	491,887	450,898	360,247	1,111,897	1,381,558	1,741,130
Premiums	8,827	9,904	10,222	10,911	14,170	15,500	17,896	27,969	33,513	36,561

1 At end period. Prior to 1980, the lives insured under some group policies were included as policies.

2 Prior to 1981, the lives insured under some group policies were included as policies.

Source : The Monetary Authority of Singapore

12.22 REVENUE AND EXPENDITURE ACCOUNTS OF LIFE INSURANCE FUNDS, 1976-1985

Thousand Dollars

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Total Revenue	399,984	469,305	552,207	639,339	771,593	933,210	1,116,340	1,314,405	1,528,392	1,759,328
Balance of Revenue Account at Beginning of Year	290,359	336,363	394,215	460,978	537,126	649,229	776,582	926,929	1,087,718	1,282,561
Premiums	81,908	96,855	113,747	139,748	163,965	191,814	237,017	282,530	298,962	341,433
Net Interest, Dividends & Rents	23,270	28,650	32,866	36,641	47,062	61,327	69,841	79,147	91,277	101,838
Miscellaneous	4,447	7,437	11,379	1,972	23,440	30,840	32,900	25,799	50,435	33,496
Total Expenditure	399,984	469,305	552,207	639,339	771,593	933,210	1,116,340	1,314,405	1,528,392	1,759,328
Claims on Death, Disability & Maturity	16,688	18,541	20,874	23,207	28,344	36,864	41,377	49,956	57,332	70,973
Surrenders	8,755	10,477	12,315	13,190	15,875	20,070	23,054	26,247	33,149	49,684
Cash Bonuses & Annuities	2,867	3,147	3,554	4,394	7,706	5,973	4,764	5,710	5,026	6,047
Management Expenses										
Commission	17,542	21,271	25,234	31,708	36,015	40,632	64,783	72,441	59,179	63,931
Salaries	4,367	4,861	5,667	6,592	7,900	8,909	11,866	12,810	15,528	18,954
Others	10,469	10,702	14,115	15,878	23,797	34,716	24,233	28,315	29,195	31,684
Miscellaneous	2,933	6,091	9,470	7,344	2,727	9,464	19,236	20,442	46,422	54,978
Balance of Revenue Account at End of Year	336,363	394,215	460,978	537,026	649,229	776,582	927,027	1,098,484	1,282,561	1,462,877

Source : The Monetary Authority of Singapore

12.23 ASSETS OF LIFE INSURANCE FUNDS, 1976-1985

(End of Period)

Thousand Dollars

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Total	387,427	445,416	504,975	585,124	705,094	834,673	998,826	1,196,523	1,384,050	1,576,274
Fixed Assets	31,284	31,188	33,901	34,658	38,069	41,394	57,449	62,617	60,217	57,295
Property	29,760	29,528	32,034	31,853	35,432	37,651	52,516	57,660	54,229	51,932
Furniture	1,524	1,660	1,867	2,805	2,637	3,743	4,933	4,957	5,988	5,363
Loans	58,777	57,383	69,216	105,497	124,530	186,938	205,878	232,288	268,890	314,240
On Mortgages	28,031	22,585	22,231	42,014	48,721	93,082	100,632	108,376	110,736	127,289
On Policies	30,047	34,106	40,674	48,187	59,283	76,580	86,961	99,116	123,342	153,668
Others	699	692	6,311	15,296	16,526	17,276	18,285	24,796	34,812	33,283
Investments	224,051	273,050	308,879	338,973	378,230	424,236	512,989	620,053	701,686	741,589
Government & Statutory Authorities	101,189	129,830	149,451	170,819	180,028	198,231	236,110	283,119	354,666	380,037
Debentures & Shares ¹	122,862	143,220	159,428	168,154	198,202	226,005	276,879	336,934	347,020	361,552
Cash & Deposits	56,846	58,317	66,490	75,700	108,845	154,875	180,484	234,775	305,736	403,456
Miscellaneous (including Outstanding Premiums)	16,469	25,478	26,489	30,296	55,420	27,230	42,026	46,790	47,521	59,694

Figure for 1981 includes trade bills of \$251,000.

Source : The Monetary Authority of Singapore

12.24 PREMIUMS AND CLAIMS OF GENERAL INSURANCE FUNDS, 1976-1985

Thousand Dollars

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Total Net Premiums¹	196,217	209,781	236,924	274,545	340,707	397,732	430,980	441,047	440,943	433,586
Marine, Aviation or Transit	38,387	47,313	52,072	58,149	70,728	74,244	70,468	70,757	68,060	65,942
Others	157,830	162,468	184,852	216,396	269,979	323,488	360,512	370,290	372,893	367,644
Fire	34,642	37,521	40,679	45,406	51,226	61,153	68,143	69,714	71,287	76,380
Motor Vehicles	46,020	48,385	59,744	74,042	102,561	117,428	135,527	147,371	158,934	152,052
Miscellaneous	77,168	76,562	84,429	96,948	116,192	144,907	156,842	153,205	142,672	139,211
Total Net Claims²	67,202	87,450	94,203	113,911	141,627	146,719	165,565	186,653	195,444	220,622
Marine, Aviation or Transit	15,287	22,061	25,406	30,275	35,736	35,712	38,562	36,077	27,537	27,891
Others	51,915	65,389	68,797	83,636	105,891	111,007	127,003	150,576	167,907	192,731
Fire	9,537	14,565	11,833	19,974	29,424	18,826	17,140	21,739	20,393	20,870
Motor Vehicles	23,152	26,517	29,431	36,172	45,637	52,630	58,891	71,041	87,205	99,218
Miscellaneous	19,226	24,307	27,533	27,490	30,830	39,551	50,972	57,796	60,309	72,643

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.

Source : The Monetary Authority of Singapore

12.25 REVENUE AND EXPENDITURE ACCOUNTS OF GENERAL INSURANCE FUNDS, 1976-1985

Thousand Dollars

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Total Revenue	439,716	481,694	527,272	603,653	742,784	896,656	957,965	1,077,530	1,126,381	1,166,702
Balance of Revenue Account at Beginning of Year	33,140	36,814	31,045	34,665	30,971	39,528	74,116	88,380	92,958	69,563
Reserves at Beginning of Year	79,318	87,870	92,632	101,644	119,859	146,716	178,335	197,638	205,250	207,497
Provision for Outstanding Claims	80,598	90,445	98,685	119,783	149,726	178,195	217,087	264,979	305,238	369,544
Premiums	196,217	209,781	236,924	274,545	340,707	397,732	430,980	441,047	440,943	433,586
Net Interest, Dividends & Rents	12,354	13,603	14,770	20,864	26,824	40,353	46,879	49,577	55,250	54,027
Miscellaneous	38,089	43,181	53,216	52,152	74,697	94,132	10,568	35,909	26,742	32,485
Total Expenditure	439,716	481,694	527,272	603,653	742,784	896,656	957,965	1,077,530	1,126,381	1,166,702
Claims Paid, Admitted or Intimated	157,071	188,342	215,390	263,637	317,465	366,022	429,807	489,742	567,094	637,574
Management Expenses										
Commission	52,268	55,060	62,151	71,501	85,512	91,269	76,346	72,477	68,182	71,741
Others	55,114	53,828	53,332	57,187	71,552	88,092	87,606	98,066	102,869	102,314
Miscellaneous	52,327	59,806	59,548	59,693	81,616	97,310	76,823	110,842	109,515	57,928
Balance of Revenue Account at End of Year	35,295	30,706	33,681	30,971	39,923	75,377	90,096	101,313	70,129	97,283
Reserves at End of Year	87,641	93,952	103,170	120,664	146,716	178,586	197,287	205,090	208,592	199,862

Source : The Monetary Authority of Singapore

12.26 ASSETS OF GENERAL INSURANCE FUNDS, 1976-1985

(End of Period)

Thousand Dollars

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Total	299,809	325,095	392,057	437,793	527,789	684,413	797,744	873,258	907,087	943,293
Fixed Assets	33,963	36,726	35,644	36,160	40,895	48,864	51,519	51,671	52,640	52,358
Loans	7,354	5,795	3,718	5,094	5,201	5,333	7,617	11,421	12,105	12,533
Investments	105,959	122,578	145,083	159,929	188,566	229,590	256,432	290,693	302,389	305,169
Government & Statutory Authorities	52,206	65,831	75,609	82,512	89,472	108,597	128,514	147,607	166,514	172,216
Debentures & Shares	53,753	56,747	69,474	77,417	99,094	120,993	127,918	143,086	135,875	132,953
Cash & Deposits	110,804	106,489	147,363	162,854	207,554	294,571	361,864	394,289	412,661	443,787
Miscellaneous	41,729	53,507	60,249	73,756	85,573	106,055	120,312	125,184	127,292	129,446

Source : The Monetary Authority of Singapore

13 PUBLIC FINANCE

Government Revenue and Expenditure

The main revenue collecting departments are the Customs and Excise Department and the Inland Revenue Department. The former is responsible for the collection of import and excise duties on liquor, tobacco, petroleum, motor vehicles, film hire and entertainment duties. The Inland Revenue Department (IRD) is responsible for the collection of taxes on income and property, estate and stamp duties and duties on sweepstakes and lotteries. The IRD ensures that all persons liable for tax, duty, levy or fee are readily and correctly assessed and that all such dues are promptly paid.

Personal income tax in Singapore is based on a progressive scale applied to the previous year's chargeable income after the appropriate deductions have been made. Deductions include allowances for personal relief, earned income, maintenance of wife, children and dependants, life insurance premiums, contributions to Central Provident Fund and approved pension schemes. Compulsory course fees became deductible with effect from Year of Assessment 1986 and they include registration or enrolment fees,

examination fees, tuition fees and aptitude test fees (for computer courses). Company taxes are based on a flat rate of 40 per cent of income with the usual allowances. From Year of Assessment 1987, the tax rate will be 33 per cent. In addition, special tax exemptions and liberal depreciation allowances are provided to pioneer companies and other export-orientated firms. The government has also entered into double taxation agreements with countries which have trading and other interests in Singapore.

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

Development Fund

The Development Fund was established in 1960 and receipts from revenue allocation for development, loans and grants, and other sources available for development financing are credited to this account. All payments for development expenditure by the government and of loans to statutory authorities to finance part of their development needs are paid out of this fund.

13.1 ECONOMIC CLASSIFICATION OF GOVERNMENT REVENUE

Million Dollars

Economic Classification	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Total	3,131.4	3,411.1	3,675.9	4,339.1	5,491.4	7,146.2	9,008.5	10,510.6	10,267.6	9,397.0	8,333.1
Transfer Receipts	2,372.6	2,715.5	2,866.2	3,260.5	4,125.1	5,263.7	6,237.9	7,148.7	7,671.0	6,932.3	5,276.7
Taxes on Income	1,150.2	1,275.9	1,283.0	1,398.1	1,898.4	2,634.3	3,248.0	3,523.3	3,568.3	3,006.7	2,231.8
Taxes on Production & Expenditure	1,101.9	1,243.9	1,437.1	1,679.5	2,035.7	2,368.7	2,698.9	3,076.8	3,525.2	3,430.7	2,776.1
Excise Duties	181.8	191.9	204.0	216.6	243.4	266.9	281.6	345.9	478.8	517.2	453.7
Import Duties	260.4	304.1	340.2	369.7	426.8	427.9	481.5	511.0	514.1	468.1	393.6
Property Tax	330.7	351.3	385.6	491.0	531.2	640.4	806.4	943.6	1,209.6	1,152.7	763.8
Motor Vehicle Taxes ¹	166.4	220.4	300.5	354.1	486.8	525.0	612.8	671.7	698.6	681.5	522.0
Stamp Duty	56.8	60.1	79.9	105.8	163.2	280.3	250.6	315.4	282.0	312.6	412.2
Others	105.8	116.1	126.9	142.3	184.3	228.2	266.0	289.2	342.1	298.6	230.8
Other Transfer Receipts	120.5	195.7	146.1	182.9	191.0	260.7	291.0	548.6	577.5	494.9	268.8
Estate Duty	22.0	23.1	27.9	35.7	24.8	50.8	43.2	61.1	49.2	32.8	26.0
Payroll Tax	60.7	66.8	75.1	89.0	105.9	131.0	158.9	179.9	202.3	99.7	1.2
Others	37.8	105.8	43.1	58.2	60.3	78.9	88.9	307.6	326.0	362.4	241.6
Disposal of Goods & Services	541.1	475.6	510.6	684.4	833.0	1,403.2	2,037.3	1,953.4	1,306.7	922.0	1,178.6
Sales of Goods & Services from Current Operations	347.6	369.2	414.4	458.9	568.0	845.2	924.9	927.9	874.0	688.5	702.1
Reimbursements for Services & Sales of Lands ²	193.5	106.4	96.2	225.5	265.0	558.0	1,112.4	1,025.5	432.7	233.5	476.5
Income from Property & Financial Claims	217.7	220.0	299.1	394.2	533.3	479.3	733.3	1,408.5	1,289.9	1,542.7	1,877.8
Interest & Dividends Received	207.0	212.5	289.6	385.6	434.7	469.0	724.9	1,398.4	1,242.3	1,529.5	1,851.5
Financial Claims & Others	10.7	7.5	9.5	8.6	98.6	10.3	8.4	10.1	47.6	13.2	26.3

Note : Government revenue refers to receipts credited to the Consolidated Revenue Account.

Source : Ministry of Finance

¹ Motor vehicle taxes comprise road tax, special tax on heavy oil engine, ad valorem registration fees and passenger vehicles seating fees, but exclude import duties on imported motor vehicles.

² Exclude land transactions between Government and the Housing and Development Board (HDB)

13.2 ECONOMIC CLASSIFICATION OF GOVERNMENT CURRENT EXPENDITURE

Million Dollar

Economic Classification	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Total	2,064.9	2,382.2	2,816.7	3,054.1	3,651.0	3,936.3	4,738.9	5,726.4	6,034.4	6,678.3	6,281.9
Salaries of Government Employees	602.9	644.3	713.8	809.5	911.1	1,031.9	1,307.7	1,446.4	1,580.2	1,739.5	1,630.7
Personal Emoluments & Allowances	553.1	590.7	650.9	724.9	798.7	902.7	1,140.3	1,250.7	1,344.5	1,467.1	1,459.3
Contributions to Provident & Pension Funds	49.8	53.6	62.9	84.6	112.4	129.2	167.4	195.7	235.7	272.4	171.4
Rental of Fixed Assets	7.5	7.7	8.4	10.3	12.3	15.5	19.6	20.1	23.1	24.2	25.9
Expenditure on Goods & Services	182.1	194.0	225.5	236.8	277.4	360.5	481.0	491.2	467.0	432.2	437.8
Interest Payments	329.4	437.4	524.3	680.7	785.7	909.3	956.3	1,444.9	1,219.6	1,201.0	1,190.5
Transfer Payments	280.3	293.5	424.1	415.6	531.8	492.1	620.7	900.1	1,103.2	1,061.1	992.2
General Transfer to Households	44.5	43.7	44.7	51.8	80.2	89.3	156.2	228.3	327.2	201.2	179.6
Others	235.8	249.8	379.4	363.8	451.6	402.8	464.5	671.8	776.0	859.9	812.6
Financial Claims	2.9	56.1	1.4	1.7	1.6	1.5	1.0	0.7	1.0	1.0	3.3
Unallocable	659.8	749.2	919.2	899.5	1,131.1	1,125.5	1,352.6	1,423.0	1,640.3	2,219.3	2,001.5

Note : Government current expenditure refers to payments from Consolidated Revenue Account but excludes transfers to Development Fund and Revolving Fund and contributions to Sinking Fund.

Source : Ministry of Finance

13.3 FUNCTIONAL CLASSIFICATION OF GOVERNMENT CURRENT EXPENDITURE

Million Dollars

Functional Classification	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Total	2,064.9	2,382.2	2,816.7	3,054.1	3,651.0	3,936.3	4,738.9	5,726.4	6,034.4	6,678.3	6,281.9
General Services	102.6	111.6	130.9	137.1	211.5	181.9	258.6	316.5	330.2	350.3	276.1
Defence, Justice & Police	779.5	881.7	1,068.0	1,065.7	1,321.7	1,350.2	1,618.0	1,724.0	1,972.2	2,574.6	2,365.0
Social & Community Services	675.1	714.5	867.4	904.0	1,029.8	1,147.7	1,442.3	1,804.9	2,111.5	2,160.8	2,059.2
Education	341.4	354.6	399.6	463.4	564.4	631.6	866.7	1,115.1	1,282.0	1,361.9	1,349.0
Health	147.0	154.8	171.2	193.1	223.0	257.3	313.3	342.0	376.3	419.1	400.7
Environment	81.5	81.9	85.0	98.7	120.1	132.8	158.8	164.3	177.5	188.4	169.5
Housing	36.0	46.0	130.5	58.9	32.9	41.0	-	66.5	137.8	46.5	-
Others	69.2	77.2	81.1	89.9	89.4	85.0	103.5	117.0	137.9	144.9	140.0
Economic Services	143.1	148.5	174.6	192.7	228.1	288.0	383.9	346.5	300.1	249.5	230.4
Public Debt	329.4	437.1	524.4	680.9	785.9	909.4	956.7	1,445.3	1,220.0	1,201.3	1,190.6
Unallocable	35.2	88.8	51.4	73.7	74.0	59.1	79.4	89.2	100.4	141.8	160.6

Note : Government current expenditure refers to payments from Consolidated Revenue Account but excludes transfers to Development Fund and Revolving Fund and contributions to Sinking Fund.

Source : Ministry of Finance

13.4 ECONOMIC-FUNCTIONAL CLASSIFICATION OF GOVERNMENT MAIN AND DEVELOPMENT EXPENDITURE, 1986

Thousand Dollars

Functional Classification Economic Classification	Total	General Services	Defence, Justice & Police	Social & Community Services			Economic Services	Public Debt & Unallocable Expenditure
				Education	Health	Others		
Total	9,592,324	1,007,835	2,563,803	1,737,791	440,781	654,491	1,836,268	1,351,355
Salaries of Government Employees	1,630,646	156,703	296,327	630,889	290,859	171,598	84,270	-
Personal Emoluments & Allowances	1,459,356	139,524	269,017	566,813	257,625	151,233	75,144	-
Contributions to Central Provident Fund	171,290	17,179	27,310	64,076	33,234	20,365	9,126	-
Rental of Fixed Assets	25,903	11,652	4,344	213	2,056	5,058	2,580	-
Expenditure on Goods & Services	2,495,049	770,558	258,273	209,124	106,059	414,364	736,349	322
Interest Payments	1,190,470	-	-	-	-	-	-	1,190,470
Transfer Payments	2,245,413	68,072	4,204	897,565	41,800	60,151	1,013,058	160,563
Transfer to Households	179,656	1,099	708	11,293	876	4,947	250	160,483
Transfer to Public Authorities & Non-profit Institutions	795,234	10,686	1,501	671,338	23,781	43,963	43,965	-
Capital Transfer to Domestic Sector	1,253,204	52,625	-	207,526	16,110	10,585	966,358	-
Other Transfers	17,319	3,662	1,995	7,408	1,033	656	2,485	80
Financial Claims	3,396	44	19	-	7	3,315	11	-
Unallocable	2,001,447	806	2,000,636	-	-	5	-	-

Note : Government main expenditure refers to payments from Consolidated Revenue Account but excludes transfers to Development Fund and Revolving Fund, and contributions to Sinking Fund.
Development expenditure excludes loans to statutory boards, industrial and commercial enterprises.

Source : Ministry of Finance

13.5 ECONOMIC-FUNCTIONAL CLASSIFICATION OF GOVERNMENT MAIN EXPENDITURE, 1986

Thousand Dollars

Functional Classification Economic Classification	Total	General Services	Defence, Justice & Police	Social & Community Services			Economic Services	Public Debt & Unallocable Expenditure
				Education	Health	Others		
Total	6,281,896	276,075	2,364,954	1,348,993	400,621	309,514	230,384	1,351,355
Salaries of Government Employees	1,630,646	156,703	296,327	630,889	290,859	171,598	84,270	-
Personal Emoluments & Allowances	1,459,356	139,524	269,017	566,813	257,625	151,233	75,144	-
Contributions to Central Provident Fund	171,290	17,179	27,310	64,076	33,234	20,365	9,126	-
Rental of Fixed Assets	25,903	11,652	4,344	213	2,056	5,058	2,580	-
Expenditure on Goods & Services	437,825	91,423	59,424	27,852	82,009	79,972	96,823	322
Interest Payments	1,190,470	-	-	-	-	-	-	1,190,470
Transfer Payments	992,209	15,447	4,204	690,039	25,690	49,566	46,700	160,563
Transfer to Households	179,656	1,099	708	11,293	876	4,947	250	160,483
Transfer to Public Authorities & Non-profit Institutions	795,234	10,686	1,501	671,338	23,781	43,963	43,965	-
Other Transfers	17,319	3,662	1,995	7,408	1,033	656	2,485	80
Financial Claims	3,396	44	19	-	7	3,315	11	-
Unallocable	2,001,447	806	2,000,636	-	-	5	-	-

Note : Government main expenditure refers to payments from Consolidated Revenue Account but excludes transfers to Development Fund and Revolving Fund, and contribution to Sinking Fund.

Source : Ministry of Finance

13.6 SOURCES AND USES OF DEVELOPMENT FUND

Million Dollars

Financial Year	Balance (Beginning of Financial Year)	Sources				Uses			
		Total	Consolidated Revenue Account	Consolidated Loan Account	Others	Total	Government Development Expenditure	Loans to Statutory Boards & Enterprises	Others
1976/77	2,660.8	3,456.0	582.9	2,043.2	829.9	1,683.9	618.5	1,065.4	
1977/78	4,432.9	3,329.1	556.4	1,694.5	1,078.2	1,890.0	710.0	1,180.0	-
1978/79	5,872.0	3,946.8	664.0	2,022.5	1,260.3	2,148.9	790.6	1,358.3	-
1979/80	7,669.9	3,380.8	511.3	1,698.5	1,171.0	2,303.2	924.1	1,379.1	-
1980/81	8,747.5	4,142.0	94.0	2,221.1	1,826.9	3,654.5	1,385.9	2,268.6	-
1981/82	9,235.0	3,241.0	1,703.8	13.8	1,523.4	5,154.7	1,614.5	2,584.5	955.7
1982/83	7,321.3	5,197.0	1,995.1	1,330.4	1,871.5	4,997.8	1,951.0	3,046.8	-
1983/84	7,520.5	10,586.1	1,984.4	6,190.5	2,411.2	6,388.4	2,138.8	4,249.6	-
1984/85	11,718.2	7,963.0	2,393.1	12.1	5,557.8	7,216.9	3,580.5	3,636.4	-
1985/86	12,464.3	5,859.0	2,261.8	10.0	3,587.2	8,555.5	3,264.0	5,291.5	-
1986/87 ¹	9,767.8	12,480.9	5,879.7	253.3	6,347.9	11,475.0	3,248.8	8,226.2	-

¹ Based on Budget estimates.

Source : Accountant-General's Department

13.7 GOVERNMENT DEBT

Million Dollars

End of Year	Total	Domestic					External ¹					
		Total	Registered Stocks	Bearer Bonds	Treasury Bills & Deposits	Advance Deposits	Total	UK Special Aid	World Bank	Asian Development Bank	Capital Market Loan	Others
1976	7,315.1	6,656.8	5,322.1	75.0	819.0	440.7	658.3	270.1	65.7	14.0	231.8	76.7
1977	9,130.2	8,143.1	6,851.4	115.0	827.6	349.1	987.1	270.1	79.6	14.8	528.6	94.0
1978	10,692.6	9,674.4	7,872.3	135.0	942.1	725.0	1,018.2	260.7	131.3	13.4	514.5	98.3
1979	12,396.5	11,419.8	9,585.2	135.0	1,128.0	571.6	976.7	251.2	137.6	11.9	487.8	88.2
1980	14,669.5	13,732.5	11,608.7	120.0	1,651.3	352.5	937.0	241.0	145.7	11.1	460.9	78.3
1981	17,138.2	16,241.8	11,333.0	80.0	1,943.3	2,885.5	896.4	232.0	143.5	16.0	436.0	68.9
1982	20,730.4	19,855.7	12,556.1	80.0	1,839.8	5,379.8	874.7	224.1	137.1	43.9	408.9	60.7
1983	25,031.5	24,359.9	18,438.6	40.0	1,723.0	4,158.3	671.6	217.4	129.8	70.3	202.0	52.1
1984	28,077.3	27,435.9	18,207.9	-	1,835.7	7,392.3	641.4	211.2	121.8	80.6	184.4	43.4
1985	32,164.4	31,568.1	18,107.4	-	1,420.5	12,040.2	596.3	205.4	112.6	79.9	163.7	34.7
1986	33,793.1	33,341.7	17,790.1	-	1,998.4	13,553.2	451.4	198.9	101.6	73.5	55.4	22.0

¹ Figures were computed at market rates.

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

13.8 REVENUE COLLECTED BY CUSTOMS AND EXCISE DEPARTMENT

Thousand Dollar

Year	Total	Import & Excise Duties					Entertainment Duties	Film Hire Duty	Licence Fees	Miscellaneous Receipts
		Liquors	Tobacco	Petroleum	Sugar	Others				
1976	474,487	107,604	119,974	125,778	18,239	71,325	20,695	3,201	3,074	4,597
1977	535,410	114,025	123,692	133,892	19,354	105,673	25,244	3,778	4,353	5,399
1978	586,500	129,511	126,721	143,428	19,596	125,625	29,580	3,793	3,283	4,963
1979	634,447	139,831	125,904	154,382	20,824	145,362	34,390	4,205	4,086	5,463
1980	716,518	158,128	142,682	168,452	21,629	180,713	31,671	4,092	3,993	5,158
1981	748,382	167,671	168,320	184,159	20,020	158,893	36,385	3,967	4,384	4,583
1982	813,717	173,450	176,865	206,135	20,110	183,674	40,690	4,184	4,553	4,056
1983	913,550	193,391	195,438	265,076	20,091	185,543	41,088	3,823	5,435	3,665
1984	1,046,298	214,315	227,278	380,987	19,458	148,975	40,795	3,846	5,350	5,294
1985	1,022,578	203,684	227,889	431,832	15,922	106,777	21,097	4,056	5,840	5,481
1986	883,122	191,956	228,372	330,033	4,463	99,484	13,854	4,073	6,370	4,517

Source : Customs & Excise Department

13.9 REVENUE COLLECTED BY INLAND REVENUE DEPARTMENT

Thousand Dollars

Year	Total	Income Tax ¹	Property Tax ¹	Estate Duties	Stamp Duties ²	Payroll Tax ³	Bets, Sweepstakes & Private Lotteries ⁴	Radio & Television Licensing Fees ⁵	Skills Development Levy ⁶	Others
1976	1,663,784	1,153,559	331,861	21,851	56,848	59,302	27,927	12,220	-	216
1977	1,819,791	1,281,524	349,662	23,739	60,482	65,752	25,499	12,921	-	212
1978	1,899,456	1,279,919	388,373	28,013	80,364	74,943	32,384	15,420	-	40
1979	2,176,207	1,390,942	491,394	36,515	106,252	89,459	36,730	16,880	7,731	304
1980	2,868,945	1,915,962	531,095	23,548	165,703	107,516	42,524	1,814	80,338	445
1981	3,920,109	2,629,395	648,275	47,585	279,286	133,899	68,250	-	112,925	494
1982	4,714,459	3,251,201	807,472	43,203	251,794	161,330	86,356	-	112,622	481
1983	5,249,075	3,527,431	948,841	61,175	314,172	181,678	102,763	-	112,453	562
1984	5,546,049	3,568,676	1,204,087	49,039	280,725	203,810	130,096	-	109,102	514
1985	4,829,317	2,999,936	1,195,404	32,611	314,235	80,483	140,031	-	66,214	403
1986	3,618,424	2,235,194	719,041	26,282	413,756	907	191,823	-	30,917	504

Figures include compounding fees and surcharges on property taxes.

Include sales of revenue stamps which were previously included under 'Others'.

Suspended with effect from April 1985

Includes duty on Toto sales on account of withdrawal of exemption with effect from 1.10.83.

With effect from 1.2.80, revenue is collected by the Singapore Broadcasting Corporation.

Amount credited to Skills Development Fund. It was reduced from 2 per cent to 1 per cent with effect from April 1986.

Source: Inland Revenue Department
Singapore Broadcasting Corporation

13.10 TAXPAYERS, ASSESSED INCOME AND TAX ASSESSED, 1984 AND 1985

	Taxpayers			Assessed Income			Tax Assessed			
	Total	Resident	Non-resident	Total	Resident	Non-resident	Total	Resident	Non-resident	
	Number			Thousand Dollars						
	1984									
	Total	508,421	494,411	14,010	17,198,502	16,588,567	609,935	4,050,195	3,916,736	133,459
	Individuals	497,400	483,703	13,697	10,322,762	10,219,409	103,353	1,050,014	1,026,267	23,747
	Employees	419,172	406,798	12,374	8,347,730	8,266,234	81,496	774,332	756,805	17,527
	Sole Proprietors	55,429	54,296	1,133	1,195,214	1,180,278	14,936	146,456	143,004	3,452
	Partners	22,799	22,609	190	779,818	772,897	6,921	129,226	126,458	2,768
	Companies	9,792	9,480	312	6,804,740	6,298,160	506,580	2,964,490	2,854,779	109,711
	Trusts¹	753	752	1	12,158	12,156	2	4,547	4,546	1
	Clubs & Associations	476	476	-	58,842	58,842	-	31,144	31,144	-
	1985									
	Total	612,201	596,000	16,201	17,648,298	17,241,068	407,230	3,098,804	3,004,894	93,910
	Individuals	601,784	585,848	15,936	12,271,125	12,159,187	111,938	1,053,883	1,029,734	24,149
Employees	495,705	481,379	14,326	9,893,165	9,806,486	86,679	782,002	764,691	17,311	
Sole Proprietors	75,956	74,568	1,388	1,455,629	1,438,534	17,095	144,667	141,093	3,574	
Partners	30,123	29,901	222	922,331	914,167	8,164	127,214	123,950	3,264	
Companies	9,508	9,246	262	5,319,702	5,024,414	295,288	2,015,668	1,945,908	69,760	
Trusts¹	667	664	3	10,816	10,812	4	4,313	4,312	1	
Clubs & Associations	242	242	-	46,655	46,655	-	24,940	24,940	-	

Note : Figures for 1984 refer to assessments made during the period 1.1.84 to 31.12.84 (12 months).

Figures for 1985 refer to assessments made during the period 1.1.85 to 31.12.85 (12 months).

Source : Inland Revenue Department

1 Include Hindu Joint Families.

**13.11 ASSESSED INCOME AND TAX ASSESSED ON INDIVIDUALS
BY ASSESSED INCOME GROUP, 1984 AND 1985**

Assessed Income Group (\$)	Taxpayers			Assessed Income			Tax Assessed		
	Total	Resident	Non-resident	Total	Resident	Non-resident	Total	Resident	Non-resident
	Number			Thousand Dollars					
Total 6,000 & Below 6,001 - 8,000 8,001 - 10,000 10,001 - 15,000 15,001 - 20,000 20,001 - 30,000 30,001 - 50,000 50,001 - 100,000 100,001 - 200,000 Over 200,000	1984								
	497,400	483,703	13,697	10,322,762	10,219,409	103,353	1,050,014	1,026,267	23,747
	55,342	45,421	9,921	252,710	228,403	24,307	6,334	2,127	4,207
	66,592	65,664	928	467,743	461,289	6,454	7,023	5,897	1,126
	60,883	60,269	614	547,015	541,529	5,486	9,512	8,497	1,015
	110,070	109,353	717	1,350,736	1,342,025	8,711	30,416	28,780	1,636
	57,769	57,331	438	1,004,270	996,668	7,602	36,030	34,445	1,585
	65,635	65,172	463	1,599,485	1,588,248	11,237	89,051	86,649	2,402
	47,095	46,705	390	1,779,846	1,764,910	14,936	158,770	155,514	3,256
	24,790	24,635	155	1,677,434	1,667,151	10,283	263,452	260,199	3,253
	7,242	7,192	50	968,894	962,162	6,732	231,454	228,889	2,565
	1,982	1,961	21	674,629	667,024	7,605	217,972	215,270	2,702
	1985								
	601,784	585,848	15,936	12,271,124	12,159,186	111,938	1,053,882	1,029,733	24,149
	59,416	47,776	11,640	266,042	237,791	28,251	6,959	2,267	4,692
75,986	74,715	1,271	537,105	528,257	8,848	8,155	6,667	1,488	
75,518	74,910	608	678,595	673,196	5,399	11,583	10,591	992	
142,536	141,683	853	1,753,725	1,743,232	10,493	39,663	37,709	1,954	
79,522	79,095	427	1,371,413	1,364,048	7,365	45,047	43,525	1,522	
75,146	74,671	475	1,823,206	1,811,586	11,620	88,954	86,498	2,456	
55,181	54,764	417	2,089,290	2,073,066	16,224	157,456	154,062	3,394	
28,173	27,977	196	1,906,075	1,893,360	12,715	246,927	243,321	3,606	
8,147	8,114	33	1,086,411	1,081,897	4,514	223,677	222,043	1,634	
2,159	2,143	16	759,262	752,753	6,509	225,461	223,050	2,411	

te : See note to Table 13.10.

Source : Inland Revenue Department

13.12 INCOME TAX ASSESSED ON COMPANIES BY ASSESSED INCOME GROUP, 1984 AND 1985

Assessed Income Group (\$)	Taxpayers			Assessed Income			Tax Assessed		
	Total	Resident	Non-resident	Total	Resident	Non-resident	Total	Resident	Non-resident
	Number			Thousand Dollars					
Total 10,000 & Below 10,001 - 20,000 20,001 - 30,000 30,001 - 50,000 50,001 - 100,000 100,001 - 300,000 300,001 - 500,000 500,001 - 1,000,000 Over 1,000,000	1984								
	9,792	9,480	312	6,804,740	6,298,159	506,581	2,964,490	2,854,779	109,711
	2,041	1,974	67	9,599	9,326	273	4,001	3,892	109
	1,009	978	31	15,464	14,985	479	7,839	7,647	192
	767	752	15	20,013	19,641	372	9,936	9,787	149
	1,157	1,128	29	47,043	45,859	1,184	29,716	29,243	473
	1,377	1,337	40	102,340	99,427	2,913	56,616	55,451	1,165
	1,598	1,559	39	286,912	280,204	6,708	141,935	139,252	2,683
	500	486	14	199,728	194,242	5,486	113,596	111,470	2,126
	490	472	18	351,058	338,707	12,351	175,452	170,682	4,770
	853	794	59	5,772,583	5,295,768	476,815	2,425,399	2,327,355	98,044
	1985								
	9,508	9,246	262	5,319,702	5,024,413	295,289	2,015,668	1,945,908	69,760
Total 10,000 & Below 10,001 - 20,000 20,001 - 30,000 30,001 - 50,000 50,001 - 100,000 100,001 - 300,000 300,001 - 500,000 500,001 - 1,000,000 Over 1,000,000	2,195	2,146	49	10,062	9,861	201	4,020	3,940	80
	1,033	999	34	16,038	15,541	497	6,406	6,210	196
	795	779	16	20,838	20,440	398	8,330	8,170	160
	1,097	1,058	39	44,732	43,221	1,511	17,892	17,288	604
	1,300	1,274	26	96,476	94,547	1,929	38,588	37,816	772
	1,442	1,416	26	257,309	252,429	4,880	102,838	100,905	1,933
	441	422	19	172,981	165,681	7,300	69,252	66,472	2,780
	439	426	13	321,948	312,849	9,099	127,925	124,712	3,213
	766	726	40	4,379,318	4,109,844	269,474	1,640,417	1,580,395	60,022

Note : See note to Table 13.10.

Source : Inland Revenue Department

14 PRICES

Consumer Price Index

The Consumer Price Index (June 1982–May 1983 = 100) is based on the list of items and weighting pattern derived from the Household Expenditure Survey conducted from June 1982 to May 1983. The expenditure records of 4,573 households with monthly expenditure of \$100–\$2,999 were used as the weighting pattern. These households constituted 91 per cent of all households surveyed. The index, a weighted arithmetic average of price relatives, is computed monthly. The yearly index is a simple average of twelve monthly indices.

Retail Prices

Retail prices of selected goods are collected regularly from markets, supermarkets, provision shops, econ-mini marts and other retail outlets spread over the entire island. Prices are collected thrice weekly for perishable food items such as fish, vegetables, meat and poultry, and weekly for sundries and provisions. Clothing materials, furniture, consumer durables and some miscellaneous items including

items of services are priced monthly. Items with infrequent price fluctuations (eg rents, electricity rates, bus fares) are checked either quarterly, yearly or as and when their prices are revised.

Other Price Indices

These price indices consist of the Domestic Supply Price Index and Indices on Singapore manufactured products, imported products, exported products, building materials and local farm products. For imported products, the prices are cif prices; for exported products, they refer to fob prices; and for locally manufactured products, they are ex-factory prices. The list of items and weighting patterns for the Singapore manufactured products were derived from data collected in the 1984 Census of Industrial Production, while those for the exported and imported products series were derived from exports and imports statistics of 1984. For the building materials price index, the weights were derived from the 1984 Census of Industrial Production and the 1984 external trade statistics. The series on local

farm products were based on data supplied by the Primary Production Department. 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 and those for the building materials entering the building and construction industries.

Average Produce Prices

Average prices of rubber are supplied weekly by the Rubber Association of Singapore. Average prices of palm oil are supplied monthly by the Malaysian Oil Palm Growers Council. For other types of produce, weekly prices are obtained from the Singapore Chinese Produce Exchange.

14.1 CONSUMER PRICE INDEX, 1978-1986

Section	All Items	Food	Clothing	Housing	Transport & Communication	Miscellaneous
Weights ¹	10,000	4,404	570	1,693	1,395	1,938
Period	June 1982-May 1983 = 100					
1978	78.4	78.6	92.7	80.0	72.3	77.6
1979	81.5	80.8	96.0	83.8	78.8	80.2
1980	88.4	87.0	97.8	93.2	89.0	85.8
1981	95.7	95.3	99.6	97.3	97.4	93.2
1982	99.4	100.1	100.0	99.4	99.8	97.3
1983	100.6	100.4	100.1	99.7	100.6	102.0
1984	103.2	101.9	99.7	101.8	104.4	107.7
1985	103.7	100.7	97.1	104.3	107.9	109.0
1986	102.3	99.3	94.9	102.4	103.8	110.3
Annual Percentage Change						
1978	4.8	5.9	2.9	1.2	4.4	5.4
1979	4.0	2.8	3.5	4.8	9.0	3.4
1980	8.5	7.7	1.9	11.2	12.9	7.0
1981	8.2	9.6	1.8	4.3	9.5	8.6
1982	3.9	5.0	0.4	2.2	2.4	4.4
1983	1.2	0.3	0.1	0.3	0.8	4.8
1984	2.6	1.5	-0.4	2.1	3.8	5.6
1985	0.5	-1.2	-2.5	2.5	3.3	1.2
1986	-1.4	-1.4	-2.3	-1.9	-3.8	1.2

¹ The weights refer to the consumption pattern of 1982/83 and are used in the computation of the indices for the period 1983-1986. Indices for the period 1978-1982 relate to the consumption pattern of 1977/78.

14.2 AVERAGE RETAIL PRICES OF SELECTED FOODSTUFFS

Dollars

Year	Rice & Other Cereals					Meat & Poultry					Milk & Eggs	
	Thai Rice 100%	Wheat Flour	Bread	Rice Vermicelli ¹	Instant Noodles	Lean Pork	Lean & Fat Pork	Fresh Beef	Fresh Mutton	Hen	Condensed Milk	Hen Eggs
	Per Kg		400g	400g Pkt	425g Pkt	Per Kg					397g Tin	Per 10
1976	.98	.74	.45	.66	1.50	5.56	4.60	7.21	5.46	3.74	.85	1.40
1977	.89	.66	.43	.66	1.50	5.59	4.68	6.99	6.46	3.77	.85	1.41
1978	1.07	.63	.40	.70	1.50	5.87	4.88	7.29	7.08	3.80	.85	1.26
1979	.94	.71	.52	.70	1.60	5.39	4.71	9.13	7.60	3.90	.85	1.51
1980	1.05	.83	.60	.70	1.70	6.53	5.89	11.33	8.95	3.95	.93	1.47
1981	1.28	.83	.62	.70	1.85	7.15	6.50	11.87	10.30	4.34	1.14	1.73
1982	1.10	.83	.63	.63	1.95	7.86	7.00	12.21	11.00	4.80	1.15	1.67
1983	1.08	.83	.62	.68	1.76	7.96	6.98	12.60	10.98	4.59	1.15	1.54
1984	1.07	.83	.67	.70	1.78	7.33	6.33	12.60	10.98	4.62	1.12	1.67
1985	.92	.83	.67	.70	1.75	6.68	5.67	13.12	10.97	4.51	1.01	1.57
1986	.80	.82	.67	.69	1.74	6.23	5.32	13.27	10.92	4.19	.95	1.45

¹ Prior to 1982, prices refer to 500g packet.

14.2 AVERAGE RETAIL PRICES OF SELECTED FOODSTUFFS (continued)

Dollar

Year	Cooking Oils		Fish				Prawns		Vegetables			
	Deodorised Oil	Vegetable Oil	Spanish Mackerel (Tenggiri)	Gold Banded Scad (Kunning)	Dorab (Parang Cut)	White Pomfret	Fresh	Dried	Cabbage	Spinach (Bayam)	Small Mustard	Red Chillies
	2 Kg Bot	1 Kg Bot	Per Kg									
1976	5.05	..	4.61	3.09	5.29	..	13.91	7.08	.91	.64	.96	2.68
1977	5.36	..	4.76	3.27	5.52	..	16.39	8.23	1.04	.73	1.12	2.71
1978	5.42	..	5.42	3.26	6.35	11.67	17.25	9.51	1.17	.86	1.34	2.73
1979	5.46	..	5.39	3.24	6.63	12.53	20.60	10.40	1.21	.94	1.47	2.84
1980	5.46	..	6.17	3.31	7.57	13.51	20.08	11.05	1.29	1.07	1.77	3.57
1981	5.24	..	7.12	3.70	8.61	14.72	20.45	12.97	1.52	1.14	1.77	3.79
1982	5.03	..	8.64	4.52	10.54	15.53	23.02	14.48	1.48	1.40	2.20	4.96
1983	4.96	2.34	8.54	4.65	10.58	13.85	23.59	13.77	1.65	1.55	2.42	7.84
1984	5.50	2.61	8.61	4.77	10.62	14.40	23.13	15.82	1.42	1.86	2.50	6.09
1985	5.49	2.64	8.38	5.05	10.81	14.55	21.77	15.04	1.55	1.77	2.28	5.33
1986	5.34	2.64	8.34	5.62	10.93	13.89	22.73	15.55	1.43	1.60	1.99	4.48

14.2 AVERAGE RETAIL PRICES OF SELECTED FOODSTUFFS (continued)

Dollars

Year	Vegetables			Fruits					Miscellaneous			
	Cucumbers	Long Beans	Potatoes	Pineapple	Apple	Orange	Bananas	Papaya	Sugar	Coffee Powder	Tea	Food Beverage ³
	Per Kg			Each			Per Kg				100g Tea Bags ²	400g Tin
1976	.63	.98	.89	.37	.19	.25	.71	.51	1.24	6.56	1.68	2.75
1977	.66	1.03	.89	.40	.22	.29	.74	.56	1.24	13.58	1.98	2.93
1978	.66	1.03	.88	.41	.28	.31	.76	.60	1.22	11.61	4.08	2.98
1979	.74	1.14	.98	.43	.29	.36	.81	.69	1.20	11.86	4.26	3.77
1980	.78	1.32	1.03	.50	.30	.32	.93	.76	1.24	12.08	4.50	3.94
1981	.86	1.41	1.12	.58	.32	.35	1.08	.80	1.35	10.90	4.75	4.00
1982	.90	1.58	1.10	.68	.35	.42	1.19	.88	1.26	10.62	4.83	3.67
1983	1.13	1.85	1.10	.64	.30	.35	1.22	.96	1.25	11.65	4.70	3.71
1984	1.07	1.89	1.13	.64	.32	.39	1.25	.92	1.22	11.65	4.74	3.55
1985	1.05	1.94	.99	.67	.29	.38	1.26	.99	1.07	11.68	4.87	3.60
1986	.97	1.77	1.02	.65	.31	.39	1.24	1.02	.96	12.47	4.95	3.52

² Prior to 1977, prices refer to average retail price of tea dust in 227g packet.

³ Prior to 1982, prices refer to 500g tin.

14.3 DOMESTIC SUPPLY PRICE INDEX, 1978-1986

Section	All Items	Food	Beverages & Tobacco	Crude Materials	Mineral Fuels	Animal & Vegetable Oils	Chemicals & Chemical Products	Manufactured Goods	Machinery & Equipment	Miscellaneous Manufactures
Weights ¹	10,000	476	121	184	3,501	209	438	1,498	2,750	823
Period	1985 = 100									
1978	78.5	93.6	66.7	100.1	46.6	104.3	77.4	94.7	87.8	88.9
1979	89.8	98.1	69.2	126.6	64.0	117.9	93.7	103.2	90.5	97.1
1980	107.4	105.9	76.0	137.2	104.0	103.6	113.2	112.6	96.4	110.7
1981	111.5	109.7	81.4	113.6	122.2	98.5	114.3	115.3	100.0	107.7
1982	106.8	106.8	85.9	100.2	113.8	84.5	110.4	111.6	101.1	103.5
1983	102.9	102.3	90.3	111.0	101.7	91.4	104.5	106.5	99.6	103.9
1984	102.3	103.1	98.1	110.8	98.1	131.3	102.3	104.8	101.6	101.9
1985	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1986	84.9	99.9	101.8	95.6	54.3	58.7	99.8	100.1	104.8	106.3
Annual Percentage Change										
1978	1.6	-1.7	4.4	7.5	-5.4	1.1	-1.7	5.2	2.3	3.2
1979	14.4	4.9	3.7	26.5	37.3	13.0	21.2	9.0	3.1	9.2
1980	19.6	8.0	9.9	8.5	62.4	-12.1	20.8	9.1	6.5	14.0
1981	3.9	3.5	7.1	-17.3	17.5	-4.9	0.9	2.4	3.7	-2.7
1982	-4.2	-2.6	5.5	-11.8	-6.9	-14.3	-3.4	-3.2	1.1	-3.9
1983	-3.7	-4.2	5.1	10.8	-10.6	8.2	-5.2	-4.6	-1.5	0.4
1984	-0.6	0.8	8.6	-0.2	-3.5	43.7	-2.2	-1.6	2.0	-1.9
1985	-2.3	-3.0	2.0	-9.8	1.9	-23.9	-2.2	-4.6	-1.6	-1.9
1986	-15.1	-0.1	1.8	-4.4	-45.7	-41.3	-0.4	0.1	4.8	6.3

The weights for indices after 1984 were based on the 1984 statistics of retained imports and locally manufactured goods sold in the domestic market. Prior to 1985, the weights were based on 1973 statistics.

14.4 SINGAPORE MANUFACTURED PRODUCTS PRICE INDEX, 1978-1986

Section	All Items	Food	Beverages & Tobacco	Crude Materials	Mineral Fuels	Animal & Vegetable Oils	Chemicals & Chemical Products	Manufactured Goods	Machinery & Equipment	Miscellaneous Manufactures
Weights ¹	10,000	282	125	207	3,104	167	580	1,082	3,479	974
Period	1985 = 100									
1978	77.2	90.2	63.5	112.0	52.9	96.0	68.7	95.8	86.1	83.5
1979	91.7	95.3	65.6	143.7	71.2	108.6	87.7	109.4	87.6	92.8
1980	113.2	102.9	71.9	153.6	112.4	99.1	112.6	116.6	98.0	108.9
1981	116.4	104.7	77.6	122.7	128.1	93.9	117.6	118.4	103.0	107.8
1982	110.3	99.9	82.8	105.2	121.1	84.9	114.4	113.4	99.7	105.3
1983	106.1	97.9	87.9	119.9	107.0	86.9	106.3	109.8	98.0	106.6
1984	103.9	100.7	97.7	114.4	101.5	119.0	103.0	106.6	102.4	103.3
1985	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1986	85.2	98.4	99.7	98.7	59.0	68.8	96.4	96.4	96.8	102.6
Annual Percentage Change										
1978	-1.7	-8.1	3.9	9.4	-5.8	3.0	-3.7	3.5	-9.9	2.2
1979	18.7	5.6	3.2	28.2	34.6	13.2	27.8	14.1	1.8	11.1
1980	23.4	8.0	9.7	6.9	58.0	-8.8	28.4	6.6	11.9	17.3
1981	2.9	1.8	7.9	-20.1	13.9	-5.2	4.4	1.5	5.0	-1.0
1982	-5.2	-4.6	6.7	-14.3	-5.4	-9.7	-2.7	-4.2	-3.2	-2.2
1983	-3.8	-2.1	6.3	13.9	-11.6	2.4	-7.0	-3.1	-1.6	1.2
1984	-2.1	2.9	11.1	-4.6	-5.2	37.0	-3.1	-2.9	4.5	-3.1
1985	-3.8	-0.7	2.4	-12.5	-1.5	-16.0	-2.9	-6.1	-2.4	-3.2
1986	-14.8	-1.6	-0.3	-1.3	-41.0	-31.2	-3.6	-3.6	-3.2	2.6

The weights for indices after 1984 were based on the 1984 statistics of local production. Prior to 1985, the weights were based on 1973 statistics.

14.5 IMPORT PRICE INDEX, 1978-1986

Section	All Items	Food	Beverages & Tobacco	Crude Materials	Mineral Fuels	Animal & Vegetable Oils	Chemicals & Chemical Products	Manufactured Goods	Machinery & Equipment	Miscellaneous Manufactures
Weights ¹	10,000	682	72	507	2,923	234	491	1,366	3,065	660
Period	1985 = 100									
1978	82.9	93.0	76.4	113.9	44.8	108.3	85.3	95.4	88.1	94.7
1979	93.6	97.4	80.1	139.6	62.4	122.0	96.2	102.9	90.9	97.9
1980	109.4	102.9	87.8	152.3	102.6	106.4	110.8	112.0	96.4	105.6
1981	111.1	104.5	94.3	120.9	120.8	102.4	109.4	114.0	99.9	106.4
1982	106.2	104.2	96.4	102.2	112.5	83.3	105.6	110.5	102.4	103.1
1983	103.5	100.1	98.1	118.2	100.4	90.9	102.3	106.0	100.8	100.7
1984	102.8	101.4	99.0	114.0	97.1	138.1	101.2	103.7	102.0	100.6
1985	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1986	88.3	100.0	104.3	99.2	53.6	56.2	105.2	99.2	107.6	107.4
Annual Percentage Change										
1978	3.8	0.2	5.2	9.6	-4.6	-1.7	0.3	6.3	5.6	3.0
1979	12.9	4.7	4.8	22.6	39.4	12.7	12.9	7.9	3.2	3.4
1980	16.8	5.7	9.6	9.1	64.4	-12.8	15.2	8.8	6.2	7.8
1981	1.6	1.6	7.4	-20.6	17.7	-3.8	-1.3	1.8	3.6	0.7
1982	-4.4	-0.3	2.2	-15.5	-6.9	-18.6	-3.4	-3.1	2.5	-3.1
1983	-2.6	-4.0	1.8	15.7	-10.8	9.2	-3.1	-5.0	-1.6	-2.3
1984	-0.7	1.3	0.9	-3.5	-3.3	51.9	-1.1	-1.2	1.2	-0.1
1985	-2.7	-1.4	1.0	-12.3	3.0	-27.6	-1.2	-3.6	-1.9	-0.6
1986	-11.7	-	4.3	-0.8	-46.5	-43.8	5.3	-0.8	7.5	7.4

¹ The weights for indices after 1984 were based on the 1984 imports statistics. Prior to 1985, the weights were based on 1973 statistics.

14.6 EXPORT PRICE INDEX, 1978-1986

Section	All Items	Food	Beverages & Tobacco	Crude Materials	Mineral Fuels	Animal & Vegetable Oils	Chemicals & Chemical Products	Manufactured Goods	Machinery & Equipment	Miscellaneous Manufactures
Weights ¹	10,000	555	46	648	3,021	288	565	784	3,417	676
Period	1985 = 100									
1978	76.9	93.4	82.7	116.3	55.4	126.6	72.1	95.6	84.1	91.7
1979	89.9	97.1	84.8	142.8	75.9	132.9	78.8	105.9	85.8	93.8
1980	110.8	100.4	95.9	147.8	117.8	125.1	99.2	115.7	88.8	99.7
1981	114.9	96.4	101.7	117.8	129.3	111.9	100.1	116.3	97.5	104.7
1982	111.4	94.8	103.7	100.8	125.1	97.5	101.7	112.0	99.4	103.2
1983	106.1	92.8	104.1	117.0	110.1	96.6	100.6	107.1	100.3	100.5
1984	102.0	96.5	101.2	113.3	102.0	123.7	103.4	103.6	96.9	100.6
1985	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1986	85.9	100.9	102.0	99.5	59.2	69.2	98.8	95.2	98.3	102.6
Annual Percentage Change										
1979	16.8	3.9	2.5	22.8	37.0	5.0	9.2	10.7	1.9	2.3
1980	23.3	3.4	13.2	3.5	55.3	-6.0	25.9	9.2	3.5	6.4
1981	3.7	-4.0	6.0	-20.3	9.8	-10.5	1.0	0.6	9.8	4.9
1982	-3.1	-1.6	2.0	-14.4	-3.3	-12.9	1.6	-3.7	2.0	-1.4
1983	-4.7	-2.1	0.4	16.0	-11.9	-0.8	-1.2	-4.4	0.9	-2.7
1984	-3.9	4.0	-2.7	-3.2	-7.3	28.0	2.8	-3.2	-3.4	0.2
1985	-1.9	3.6	-1.2	-11.6	-2.0	-19.2	-3.3	-3.6	3.2	-0.6
1986	-14.0	0.8	1.9	-0.5	-40.8	-30.8	-1.2	-4.8	-1.7	2.6

¹ The weights for indices after 1984 were based on the 1984 exports statistics. Prior to 1985, the weights were based on 1978 statistics.

14.7 BUILDING MATERIALS PRICE INDEX, 1978-1986

Section	All Items	Timber & Wood Products	Concrete Ingredients (Granite)	Paints	Cement	Bricks & Concrete Blocks	Tiles	Iron & Steel Products	Cables	Sanitary & Plumbing Fixtures	Others
Weights ¹	10,000	585	872	292	1,338	2,076	952	1,764	646	69	1,406
Period	1985 = 100										
1978	91.4	81.4	65.7	78.9	127.0	56.7	91.0	98.7	109.2	71.3	81.5
1979	102.7	97.9	71.5	84.6	143.6	67.1	98.0	111.6	140.2	78.6	84.7
1980	118.0	108.2	121.1	95.7	152.5	98.6	110.5	121.7	151.6	89.1	93.0
1981	125.7	109.6	159.0	97.0	167.4	114.4	120.6	120.5	123.7	100.0	99.5
1982	120.5	109.2	145.3	97.0	164.6	115.5	115.2	111.9	108.3	103.3	101.0
1983	115.7	105.4	131.1	97.0	162.6	117.9	111.7	102.5	113.3	100.9	101.6
1984	107.7	103.7	118.4	98.5	121.9	113.9	108.9	100.8	111.5	100.0	101.8
1985	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1986	97.1	94.5	89.9	100.4	93.0	91.5	102.9	101.6	98.6	97.9	104.0
Annual Percentage Change											
1978	4.5	0.9	-6.6	-	3.8	-1.2	12.6	8.4	-0.7	1.9	3.5
1979	12.3	20.2	8.8	7.2	13.1	18.4	7.7	13.0	28.5	10.2	4.0
1980	14.9	10.6	69.4	13.2	6.2	47.0	12.8	9.1	8.1	13.4	9.8
1981	6.5	1.3	31.3	1.4	9.8	16.1	9.1	-1.0	-18.4	12.2	7.0
1982	-4.1	-0.5	-8.7	-	-1.7	0.9	-4.4	-7.2	-12.4	3.3	1.5
1983	-4.0	-3.5	-9.8	-	-1.2	2.1	-3.1	-8.3	4.6	-2.3	0.6
1984	-6.9	-1.6	-9.7	1.5	-25.1	-3.4	-2.5	-1.7	-1.6	-0.9	0.3
1985	-7.2	-3.6	-15.5	1.5	-17.9	-12.2	-8.2	-0.8	-10.3	-	-1.8
1986	-2.9	-5.5	-10.1	0.4	-7.0	-8.5	2.9	1.6	-1.4	-2.1	4.0

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

14.8 LOCAL FARM PRODUCTS PRICE INDEX, 1978-1986

Section	All Items	Pigs	Fowls	Ducks	Hen Eggs	Leafy Vegetables	Fruit Vegetables	Root Vegetables	Fresh Fish
Weights ¹	10,000	3,621	2,366	605	1,015	702	26	7	1,658
Period	1985 = 100								
1978	84.4	92.4	99.0	83.4	85.9	49.4	58.2	51.3	72.4
1979	89.2	92.2	105.5	84.9	107.5	54.0	70.0	55.9	78.8
1980	98.8	109.3	104.8	108.0	102.0	72.1	78.7	65.2	81.9
1981	112.2	125.6	118.5	133.7	123.9	74.0	83.5	77.8	89.4
1982	117.1	132.2	116.0	121.6	108.0	101.9	109.9	86.1	95.0
1983	115.9	133.3	108.2	109.2	98.6	111.5	113.7	98.6	94.8
1984	103.6	100.8	102.9	115.6	110.7	106.9	110.6	111.9	102.5
1985	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1986	93.5	94.9	87.2	98.9	91.6	87.3	97.0	88.8	101.0
Annual Percentage Change									
1978	-3.0	-4.9	-0.5	-7.8	-16.3	14.1	-4.5	-0.9	4.8
1979	5.7	-0.2	6.6	1.9	25.1	9.2	20.3	9.0	8.7
1980	10.8	18.5	-0.7	27.2	-5.2	33.6	12.5	16.7	4.0
1981	13.6	14.9	13.0	23.8	21.6	2.6	6.1	19.3	9.2
1982	4.3	5.3	-2.1	-9.1	-12.8	37.7	31.6	10.7	6.2
1983	-1.0	0.8	-6.7	-10.2	-8.8	9.4	3.4	14.5	-0.2
1984	-10.6	-24.4	-4.9	5.9	12.3	-4.1	-2.7	13.4	8.1
1985	-3.5	-0.8	-2.8	-13.5	-9.7	-6.5	-9.6	-10.6	-2.4
1986	-6.5	-5.1	-12.8	-1.1	-8.3	-12.6	-2.9	-11.1	1.0

¹ The weights for indices after 1984 were based on the 1984 statistics of local farm products. Prior to 1985, the weights were based on 1973 statistics.

14.9 AVERAGE PRODUCE PRICES

Year	Rubber							Pepper		Coffee AP 1	Crude Coconut Oil (In Drums)	Palm Oil ¹	Tin
	Ribbed Smoked Sheet				SSR 20	SSR 50	Int 3 Thick Blanket Crepe (Amber)	Black Lampung	White Muntok Genuine				
	Int 1	Int 2	Int 3	Int 4									
Cents Per Kilogram (fob)							Dollars Per 100 Kilogram (fob)				M\$ Per Tonne (fob)	M\$ Per Kilogram (fob)	
1976	192.99	186.74	183.52	180.03	185.76	183.60	174.09	419.51	464.70	582.08	113.86	882	18.90
1977	200.84	196.32	191.99	188.36	196.21	193.86	177.52	599.18	661.00	1,036.84	155.88	1,225	26.21
1978	226.07	220.14	217.13	214.14	213.70	211.63	200.90	448.38	624.61	626.99	156.07	1,178	28.84
1979	278.20	271.60	268.58	262.83	265.40	262.40	238.74	396.34	549.92	711.58	208.42	1,310	32.36
1980	308.41	295.32	292.32	286.27	274.37	271.26	252.74	367.53	476.28	650.16	154.17	1,146	35.66
1981	235.03	213.15	207.72	201.22	207.62	204.73	185.40	277.92	397.25	441.73	130.52	1,100	31.92
1982	182.10	172.60	167.14	155.97	162.60	159.88	145.88	278.36	346.37	419.79	106.88	916	30.18
1983	226.67	217.85	214.38	205.13	204.05	200.80	176.02	305.73	405.98	452.17	143.82	909	30.16
1984	203.09	196.73	193.91	186.88	195.17	193.22	171.16	436.72	658.21	583.75	218.56	1,486	29.16
1985	167.04	160.92	158.92	155.26	157.85	155.77	137.20	797.68	893.78	556.39	127.67	1,169	29.65
1986	173.44	171.45	169.40	165.32	165.83	162.79	144.47	996.57	1,292.33	668.73	64.25	598	15.50

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

Source : Rubber Association of Singapore
Chinese Produce Exchange
Malaysian Oil Palm Growers Council

1 Figures refer to monthly average shipment price.

15 EDUCATION

Primary Education

Primary education for a child is free. A child generally begins his primary education at the age of six.

The first three years of primary education emphasizes the learning of English and the mother tongue which may be Chinese, Malay or Tamil. This is to give pupils a strong language foundation for the learning of other subjects. At the end of primary three, pupils are channelled into three different streams according to their ability and aptitude. The three streams are the normal bilingual stream, the extended bilingual stream and the monolingual stream. Pupils in the normal and extended bilingual streams sit for the Primary School Leaving Examination (PSLE) at the end of the sixth year and eighth year respectively. They then proceed to secondary schools if they pass the PSLE. Pupils in the monolingual stream sit for the Primary School Proficiency Examination at the end of the eighth year, after which they can join the Vocational and Industrial Training Board for vocational training.

Secondary Education

At the secondary level, pupils are channelled into the special, the express and the normal streams

according to their performance in the PSLE. The learning of English and second language continues at the secondary level. Pupils in the special stream, however, study both English and Chinese as first languages.

Secondary one and two pupils in all three streams study the same number of subjects. After completing secondary two, all pupils have the choice of taking combinations of compulsory and elective subjects depending on their interests and aptitudes. Pupils in the secondary special and express streams sit for the General Certificate of Education 'Ordinary' Level (GCE 'O') Examination at the end of the fourth year. Those whose GCE 'O' level examination results satisfy the qualifying standards will proceed to the pre-university courses. Pupils in the secondary normal stream follow a modified curriculum which allows a slower pace of learning. At the end of the fourth year, they sit for the GCE 'Normal' Level Examination. Those who have done well in the 'Normal' Level Examination may proceed to sit for the GCE 'O' Level Examination after an extra year of study. The others may go for vocational training or take up employment.

At the pre-university levels, pupils with better GCE 'O' level results will be streamed into the two-year

course in junior colleges while other pupils will be channelled to the three-year course in pre-university centres. Students with GCE 'O' level can also opt to join the Singapore Polytechnic, Ngee Ann Polytechnic, the Vocational and Industrial Training Board or the Economic Development Board Institutions.

Vocational and Industrial Training Board

The Vocational and Industrial Training Board (VITB) which was established in April 1979 offers training courses in applied arts, commercial, industrial and service skills. The VITB runs 16 training institutes and offers full-time and part-time training programmes in about 50 courses at the following levels: Diploma in Applied Arts, the Industrial Technician Certificate, the Certificate in Business Studies, Preliminary Certificate in Business Studies, the National Trade Certificate Grade 2 and 3, Pre-vocational Training and the Certificate of Competency. In addition, part-time continuing education programmes in commercial, skill development, academic and language courses were also conducted.

Higher Learning

The institutions of higher learning in Singapore

are the National University of Singapore, the Nanyang Technological Institute, the Singapore Polytechnic, the Ngee Ann Polytechnic and the Institute of Education.

The *National University of Singapore* was established on 8 August 1980 through the merger of the University of Singapore and Nanyang University. It has eight faculties and three postgraduate schools; namely, the Faculties of Architecture and Building, Arts and Social Sciences, Business Administration, Dentistry, Engineering, Law, Medicine and Science, and the Schools of Postgraduate Medical, Dental and Management Studies. In addition, the University has three non-faculty departments — Department of Extramural Studies, English Language Proficiency Unit and Human Resource Management Unit. To provide the facility for research and further training in the fields of Computing and Information Systems and Molecular Biology, it has established the Institute of Systems Science and the Institute of Molecular and Cell Biology. The University awards the degrees of Bachelor of Engineering and Bachelor of Accountancy to graduates of the Nanyang Technological Institute. Higher degrees in Education which are awarded by the University, are conducted at the Institute of Education. The course leading to the University's Master's degree in Applied Linguistics is conducted at the Regional Language Centre.

The *Nanyang Technological Institute* (NTI) was established in August 1981. The Institute offers courses in Civil and Structural Engineering, Electrical and Electronic Engineering and Mechanical and Production Engineering at the bachelor's degree level. The courses are carefully designed to give an emphasis on engineering practice, aimed at producing practice-oriented engineers. By special arrangements with the Senate of the National University of Singapore, all engineering students attend a common first-year course in the University's Faculty of Engineering. The Institute produced its first batch of 557 graduates in April 1985. The student enrolment for the 1986/87 academic session is 2,202. The School of Accountancy of the National University of Singapore will be moving to the Institute in July 1987. This will increase NTI's student enrolment to about 4,000.

The *Singapore Polytechnic* conducts a Certificate Course in Aeronautical Maintenance Engineering, Diploma courses in Architectural Technology, Building, Business and Communications, Chemical Process Technology, Civil Engineering, Electrical Engineering, Electronics and Communication Engineering, Land Surveying, Marine Engineering, Mechanical Engineering and Manufacturing Engineering, Nautical Studies, Quantity Surveying and Structural Engineering; Post-diploma courses in Industrial Management,

Maritime Studies, Plastics Mould Design and Advanced Diploma courses in Building Maintenance Management, Food Technology, Plastics Technology and Tool Engineering and Design.

The *Ngee Ann Polytechnic* offers the following full-time courses : Diploma in Mechanical Engineering, Electrical Engineering, Electronic Engineering, Building Management, Building Services Engineering, Public Health Engineering, Shipbuilding and Offshore Engineering, Business Studies and Computer Studies. Part-time courses equivalent to the full-time courses in all departments are also conducted except in Shipbuilding and Offshore Engineering and Computer Studies. A full-time Advanced Diploma in Computer Studies and part-time Advanced Diploma courses in Building Services Engineering, Industrial Engineering Technology, Steel Structure Technology, Manufacturing Automation Technology, Automation and Control Technology, Information Technology, Building Surveying and Inspection and Computer Application in Power Studies are also offered. Short courses to cater to working adults in search of continuing education programmes are also offered such as Condominium Management, Microprocessor Engineering, Numerical Controlled and Computerised Numerical Controlled Machining, Industrial Automation

and Control, Computer-Aided Design and Computer-Aided Manufacturing, Industrial Solid State Electronic and Basic Programming.

The *Institute of Education* is the only tertiary institution responsible for teacher training and the promotion of research in education. The Institute provides training for pre-primary, primary and secondary school and junior college teachers. The pre-service training includes a full-time one-year Diploma in Education Programme for preparing university graduates to be teachers in secondary schools and junior colleges and a full-time two-year Certificate in Education Programme for preparing teachers for primary and lower secondary levels. The Institute also provides further training for practising teachers through short-term in-service courses.

The Institute also conducts Further Professional Programmes leading to formal qualifications. The full-time Diploma in Educational Administration (Primary School) and Diploma in Educational Administration (Secondary School) Programmes which are of one-year duration each, are aimed at preparing the

participants for the role of Principals and Vice-Principals in primary and secondary schools respectively. The other one-year full-time programmes conducted are the Further Professional Certificate in Education and Further Professional Diploma in Education Programmes which prepare serving teachers for the role of Heads of Departments in the primary and secondary schools respectively.

In addition, the Institute also conducts a postgraduate studies programme to prepare teachers for the degrees of Master of Education and Doctor of Philosophy in Education awarded by the National University of Singapore.

Expenditure on Education

Education has been a major item of public expenditure and its provision has been increasing steadily. The total budgeted recurrent expenditure in the fiscal year 1986/87 was \$1,409 million.

15.1 ENROLMENT IN EDUCATIONAL INSTITUTIONS

Number

Year	Total	Primary Schools	Secondary Schools & Junior Colleges				Technical & Vocational Institutes ¹	Institutions of Higher Learning ²
			Total	Academic	Technical	Commercial		
1976	526,602	316,265	177,992	152,713	19,951	5,328	11,751	20,594
1977	518,122	308,342	178,186	153,055	19,100	6,031	10,860	20,734
1978	510,416	300,398	179,811	154,494	18,728	6,589	9,830	20,377
1979	509,653	297,873	176,521	151,927	18,215	6,379	14,516	20,743
1980	507,998	299,252	173,693	148,536	17,391	7,766	12,542	22,511
1981	504,092	289,697	177,238	148,842	18,330	10,066	13,001	24,156
1982	507,663	289,092	176,845	147,497	18,023	11,325	14,990	26,736
1983	519,767	290,800	182,343	151,295	18,360	12,688	15,610	31,014
1984	526,566	288,623	187,764	154,188	19,071	14,505	14,396	35,783
1985	526,975	278,060	190,328	154,435	19,782	16,111	18,894	39,683
1986	534,788	268,820	203,088	163,090	21,601	18,397	20,873	42,007

¹ Figures refer to enrolments in July at the vocational institutes run by the Industrial Training Board and from 1979, by the Vocational and Industrial Training Board.

Source : Ministry of Education

² Refer to National University of Singapore, Singapore Polytechnic, Ngee Ann Polytechnic and Institute of Education. From 1982, Nanyang Technological Institute is included. Figures include part-time students in the polytechnics.

15.2 STUDENTS AND TEACHERS IN EDUCATIONAL INSTITUTIONS, END JUNE 1986

Number

	Institutions ¹	Students ²			Teachers ²		
		Total	Males	Females	Total	Males	Females
Total	414	534,788	284,445	250,343	25,740	11,571	14,169
Primary Schools ³	236	268,820	141,804	127,016	10,515	3,098	7,417
Secondary Schools & Junior Colleges	157	203,088	100,772	102,316	8,695	3,566	5,129
Technical & Vocational Institutes	16	20,873	15,598	5,275	2,718	1,987	731
Polytechnics	2	22,841	16,448	6,393	1,683	1,316	367
Institute of Education	1	1,365	226	1,139	159	91	68
National University of Singapore Nanyang Technological Institute ²	2	17,801	9,597	8,204	1,970	1,513	457

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

Include part-time students and teachers for Technical and Vocational Institutes, Polytechnics, Institute of Education, National University of Singapore and Nanyang Technological Institute.

Exclude pre-primary pupils.

Source : Ministry of Education

15.3 PRIMARY SCHOOLS, STUDENTS AND TEACHERS BY TYPE OF SCHOOL

Num

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Total Schools	379	376	364	351	338	327	321	305	275	252	236
Government	190	199	196	193	199	200	212	207	193	180	172
Government-aided	185	174	165	156	137	125	107	96	81	71	63
Private	4	3	3	2	2	2	2	2	1	1	1
Total Students	316,265	308,342	300,398	297,873	299,252	289,697	289,092	290,800	288,623	278,060	268,820
Government	213,149	214,749	214,727	217,163	221,717	214,763	220,197	219,742	219,930	211,855	205,281
Government-aided	102,824	93,392	85,491	80,527	77,323	74,756	68,734	70,862	68,564	66,020	63,387
Private	292	201	180	183	212	178	161	196	129	185	152
Total Teachers¹	10,597	10,345	10,347	10,492	10,090	9,465	9,452	9,921	10,657	10,625	10,515
Government	7,047	7,064	7,242	7,276	7,244	7,260	7,437	7,854	8,132	8,104	8,100
Government-aided	3,534	3,267	3,097	3,200	2,837	2,194	2,007	2,061	2,521	2,509	2,407
Private	16	14	8	16	9	11	8	6	4	12	8

¹ Figures exclude kindergarten and pre-primary teachers, relief teachers, teachers in ECA Centre, and those seconded to headquarters, statutory boards and other ministries.

Source : Ministry of Education

15.4 PRIMARY SCHOOL STUDENTS AND TEACHERS BY LANGUAGE MEDIUM OF SCHOOL

Number

Language Medium	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Students											
Total	316,265	308,342	300,398	297,873	299,252	289,697	289,092	290,800	288,623	278,060	268,820
Males	166,678	163,292	158,776	157,694	158,333	152,613	152,495	153,483	153,067	147,083	141,804
Females	149,587	145,050	141,622	140,179	140,919	137,084	136,597	137,317	135,556	130,977	127,016
English	234,700	237,994	241,469	248,507	252,398	251,254	255,921	273,085	277,785	272,507	266,396
Males	123,664	125,875	127,556	131,423	133,104	131,699	134,450	143,423	146,677	143,713	140,368
Females	111,036	112,119	113,913	117,084	119,294	119,555	121,471	129,662	131,108	128,794	126,028
Chinese	78,712	68,315	57,455	48,283	46,078	37,968	32,855	17,550	10,752	5,531	2,424
Males	41,845	36,539	30,547	25,754	24,846	20,664	17,884	9,976	6,350	3,360	1,436
Females	36,867	31,776	26,908	22,529	21,232	17,304	14,971	7,574	4,402	2,171	988
Malay	2,567	1,837	1,362	1,029	760	475	316	165	86	22	-
Males	1,055	798	621	489	371	250	161	84	40	10	-
Females	1,512	1,039	741	540	389	225	155	81	46	12	-
Tamil	286	196	112	54	16	-	-	-	-	-	-
Males	114	80	52	28	12	-	-	-	-	-	-
Females	172	116	60	26	4	-	-	-	-	-	-
Teachers ¹											
Total	10,597	10,345	10,347	10,492	10,090	9,465	9,452	9,921	10,657	10,625	10,515
Males	3,497	3,418	3,459	3,436	3,341	3,175	3,153	3,143	3,272	3,171	3,098
Females	7,100	6,927	6,888	7,056	6,749	6,290	6,299	6,778	7,385	7,454	7,417
English	7,203	7,350	7,624	7,838	7,856	7,846	7,964	8,543	9,413	9,586	9,624
Males	2,036	2,113	2,271	2,378	2,384	2,453	2,495	2,564	2,786	2,782	2,778
Females	5,167	5,237	5,353	5,460	5,472	5,393	5,469	5,979	6,627	6,804	6,846
Chinese	3,003	2,731	2,510	2,499	2,102	1,520	1,405	1,331	1,227	1,023	891
Males	1,245	1,151	1,065	960	870	661	606	549	480	374	320
Females	1,758	1,580	1,445	1,539	1,232	859	799	782	747	649	571
Malay	361	238	196	141	123	93	78	47	17	16	-
Males	202	143	115	90	82	58	49	30	6	15	-
Females	159	95	81	51	41	35	29	17	11	1	-
Tamil	30	26	17	14	9	6	5	-	-	-	-
Males	14	11	8	8	5	3	3	-	-	-	-
Females	16	15	9	6	4	3	2	-	-	-	-

Figures exclude kindergarten and pre-primary teachers, relief teachers, teachers in ECA Centre, and those seconded to headquarters, statutory boards and other ministries.

Source : Ministry of Education

15.5 ENROLMENT IN PRIMARY SCHOOLS BY AGE AND LEVEL, END JUNE 1986

Num

Age As At 1.1.86	Total	Primary 1	Primary 2	Primary 3	Primary 4	Primary 5	Primary 6	Primary 7	Primary 8
Males									
Total	141,804	20,963	20,375	20,250	22,671	21,080	22,533	6,138	7,794
Under 6	13	13	-	-	-	-	-	-	-
6 & Under 7	20,865	20,856	9	-	-	-	-	-	-
7 & Under 8	20,264	75	20,181	8	-	-	-	-	-
8 & Under 9	20,068	15	130	19,908	15	-	-	-	-
9 & Under 10	22,443	3	38	225	22,169	8	-	-	-
10 & Under 11	20,649	1	10	87	314	20,225	12	-	-
11 & Under 12	22,272	-	6	14	126	571	20,286	1,269	-
12 & Under 13	7,675	-	1	7	36	207	1,610	4,514	1,300
13 & Under 14	6,333	-	-	1	11	55	509	257	5,500
14 & Under 15	978	-	-	-	-	14	85	72	807
15 & Under 16	213	-	-	-	-	-	27	24	162
16 & Over	31	-	-	-	-	-	4	2	25
Females									
Total	127,016	19,209	19,041	18,564	20,735	19,393	21,143	4,057	4,874
Under 6	8	8	-	-	-	-	-	-	-
6 & Under 7	19,127	19,119	8	-	-	-	-	-	-
7 & Under 8	18,988	67	18,918	3	-	-	-	-	-
8 & Under 9	18,454	9	91	18,344	10	-	-	-	-
9 & Under 10	20,611	4	20	167	20,412	8	-	-	-
10 & Under 11	19,138	2	3	41	220	18,867	5	-	-
11 & Under 12	20,314	-	1	7	69	377	18,749	1,111	-
12 & Under 13	5,774	-	-	2	21	109	1,810	2,756	1,076
13 & Under 14	4,014	-	-	-	3	28	529	144	3,310
14 & Under 15	498	-	-	-	-	3	39	37	419
15 & Under 16	77	-	-	-	-	1	7	9	60
16 & Over	13	-	-	-	-	-	4	-	9

Source : Ministry of Education

15.6 SECONDARY SCHOOLS, STUDENTS AND TEACHERS BY TYPE OF SCHOOL

Number

Type of School	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Total Schools	126	131	135	135	141	145	150	147	150	149	157
Government	72	77	79	80	86	90	94	93	98	98	109
Government-aided	48	49	51	51	51	51	52	50	48	47	44
Private	6	5	5	4	4	4	4	4	4	4	4
Total Students	177,992	178,186	179,811	176,521	173,693	177,238	176,845	182,343	187,764	190,328	203,088
Government	128,148	127,769	128,509	126,017	124,256	128,127	128,854	133,839	137,400	137,526	149,296
Government-aided	48,022	48,724	49,612	48,735	47,549	47,333	46,198	46,629	48,445	50,763	51,840
Private	1,822	1,693	1,690	1,769	1,888	1,778	1,793	1,875	1,919	2,039	1,952
Total Teachers¹	6,855	6,963	7,055	7,642	7,906	8,273	8,347	8,644	8,236	8,562	8,695
Government	5,048	5,106	5,115	5,573	5,605	5,655	5,694	5,946	6,006	6,261	6,461
Government-aided	1,738	1,784	1,873	2,003	2,234	2,553	2,584	2,625	2,150	2,227	2,159
Private	69	73	67	66	67	65	69	73	80	74	75

Figures exclude kindergarten and pre-primary teachers, relief teachers, teachers in ECA Centre, and those seconded to headquarters, statutory boards and other ministries.

Source : Ministry of Education

15.7 SECONDARY SCHOOL STUDENTS AND TEACHERS BY LANGUAGE MEDIUM OF SCHOOL

Number

Language Medium	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Students											
Total	177,992	178,186	179,811	176,521	173,693	177,238	176,845	182,343	187,764	190,328	203,081
Males	86,731	86,362	87,071	85,467	84,210	86,522	86,819	90,060	92,796	93,825	100,772
Females	91,261	91,824	92,740	91,054	89,483	90,716	90,026	92,283	94,968	96,503	102,316
English	117,946	119,514	123,936	130,699	133,116	143,934	148,431	164,546	176,397	184,495	199,969
Males	56,546	56,988	59,201	62,511	64,244	70,041	72,835	81,066	87,033	90,871	99,166
Females	61,400	62,526	64,735	68,188	68,872	73,893	75,596	83,480	89,364	93,624	100,803
Chinese	53,917	54,093	52,715	43,986	39,405	32,522	27,923	17,507	11,220	5,779	3,091
Males	28,315	27,995	26,920	22,373	19,591	16,219	13,803	8,884	5,701	2,935	1,591
Females	25,602	26,098	25,795	21,613	19,814	16,303	14,120	8,623	5,519	2,844	1,500
Malay	5,794	4,301	2,944	1,668	1,062	678	423	252	122	54	28
Males	1,736	1,272	878	526	333	217	146	82	45	19	15
Females	4,058	3,029	2,066	1,142	729	461	277	170	77	35	13
Tamil	335	278	216	168	110	104	68	38	25	-	-
Males	134	107	72	57	42	45	35	28	17	-	-
Females	201	171	144	111	68	59	33	10	8	-	-
Teachers ¹											
Total	6,855	6,963	7,055	7,642	7,906	8,273	8,347	8,644	8,236	8,562	8,695
Males	3,396	3,375	3,322	3,602	3,542	3,662	3,652	3,688	3,493	3,568	3,566
Females	3,459	3,588	3,733	4,040	4,364	4,611	4,695	4,956	4,743	4,994	5,129
English	4,395	4,531	4,630	5,194	5,684	6,261	6,530	7,022	7,361	7,839	8,044
Males	1,966	1,970	1,965	2,249	2,380	2,681	2,767	2,907	3,085	3,235	3,269
Females	2,429	2,561	2,665	2,945	3,304	3,600	3,763	4,115	4,276	4,604	4,775
Chinese	2,106	2,113	2,132	2,189	2,034	1,888	1,723	1,546	820	704	635
Males	1,201	1,196	1,167	1,184	1,037	919	822	730	381	322	266
Females	905	917	965	1,005	997	969	901	816	439	382	349
Malay	344	308	278	244	176	116	87	73	55	19	16
Males	224	203	184	163	118	76	58	48	27	11	11
Females	120	105	94	81	58	40	29	25	28	8	5
Tamil	10	11	15	15	12	8	7	3	-	-	-
Males	5	6	6	6	7	6	5	3	-	-	-
Females	5	5	9	9	5	2	2	-	-	-	-

Note : Students in Special Stream (bilingual) are classified under Chinese medium for 1979-1982.

From 1983, such students are classified under English medium.

Source : Ministry of Education

¹ Figures exclude kindergarten and pre-primary teachers, relief teachers, teachers in ECA Centre, and those seconded to headquarters, statutory boards and other ministries.

15.8 ENROLMENT IN SECONDARY SCHOOLS BY AGE AND LEVEL, END JUNE 1986

Number

Age As At 1.1.86	Total	Secondary I	Secondary II	Secondary III	Secondary IV	Secondary V	Pre- university I	Pre- university II	Pre- university III	Junior College I	Junior College II
Males											
Total	100,772	21,333	21,233	18,693	19,917	6,695	1,220	1,013	877	5,332	4,459
Under 12	2	2	-	-	-	-	-	-	-	-	-
12 & Under 13	16,411	16,401	9	1	-	-	-	-	-	-	-
13 & Under 14	18,054	2,194	15,850	10	-	-	-	-	-	-	-
14 & Under 15	19,135	2,383	2,311	14,353	88	-	-	-	-	-	-
15 & Under 16	18,210	279	2,309	2,665	12,873	30	2	-	-	51	1
16 & Under 17	14,079	53	581	1,356	4,663	2,802	468	3	-	4,111	42
17 & Under 18	10,218	13	165	282	2,175	2,612	504	309	-	922	3,236
18 & Under 19	3,488	7	5	19	79	1,239	212	450	337	233	907
19 & Under 20	1,014	1	3	4	26	7	33	227	436	13	264
20 & Under 21	161	-	-	3	13	5	1	24	104	2	9
Females											
Total	102,316	20,047	20,705	18,854	19,988	6,525	2,010	1,817	1,435	5,748	5,187
Under 12	10	10	-	-	-	-	-	-	-	-	-
12 & Under 13	16,444	16,436	8	-	-	-	-	-	-	-	-
13 & Under 14	18,370	1,824	16,531	14	1	-	-	-	-	-	-
14 & Under 15	18,962	1,591	2,066	15,263	42	-	-	-	-	-	-
15 & Under 16	18,358	153	1,718	2,376	14,067	12	5	-	-	26	1
16 & Under 17	14,459	25	311	1,049	4,252	3,025	1,022	1	-	4,758	16
17 & Under 18	10,616	4	65	130	1,550	2,509	673	871	6	801	4,007
18 & Under 19	3,852	1	5	12	57	973	258	647	759	155	985
19 & Under 20	1,070	2	1	6	13	5	41	255	563	8	176
20 & Under 21	175	1	-	4	6	1	11	43	107	-	2

Source : Ministry of Education

15.9 ENROLMENT IN INSTITUTIONS OF HIGHER LEARNING

Num

Year	Total		National University of Singapore ¹		Nanyang Technological Institute		Singapore Polytechnic ²		Ngee Ann Polytechnic ²		Institute of Education	
	Males	Females	Males	Females	Males	Females	Males	Females	Males	Females	Males	Females
1976	13,626	6,968	4,871	4,004	-	-	6,950	1,537	1,536	506	269	921
1977	13,812	6,922	4,972	3,858	-	-	6,874	1,492	1,671	539	295	1,033
1978	13,248	7,129	4,997	3,762	-	-	6,248	1,466	1,750	549	253	1,352
1979	13,292	7,451	5,045	3,621	-	-	6,015	1,435	1,865	591	367	1,804
1980	14,029	8,482	5,067	4,011	-	-	6,562	1,712	2,049	782	351	1,977
1981	15,138	9,018	5,669	4,717	-	-	6,983	1,867	2,157	980	329	1,454
1982	16,998	9,738	6,061	5,687	525	57	7,713	2,033	2,507	1,153	192	808
1983	19,205	11,809	6,123	6,789	1,147	120	8,523	2,386	3,175	1,650	237	864
1984	22,473	13,310	6,485	7,298	1,715	230	9,565	2,789	4,545	2,374	163	619
1985	24,939	14,754	7,214	7,666	1,825	253	9,965	2,880	5,719	3,046	216	909
1986	26,271	15,736	7,697	7,902	1,900	302	10,022	2,883	6,426	3,510	226	1,139

1 Prior to 1980, figures refer to the University of Singapore and Nanyang University which were merged to form the National University of Singapore on 8 August 1980.

Source : Ministry of Education

2 Figures include part-time students.

15.10 MALE STUDENTS ADMITTED TO INSTITUTIONS OF HIGHER LEARNING

Number

Course	Session	1976/77	1977/78	1978/79	1979/80	1980/81	1981/82	1982/83	1983/84	1984/85	1985/86	1986/87
Total		3,966	3,803	3,949	4,030	5,081	5,596	6,570	6,907	8,724	9,442	8,941
National University of Singapore ¹		993	971	1,095	1,205	1,478	1,709	1,913	1,683	2,224	2,346	2,316
Arts & Social Sciences		147	155	159	137	181	225	237	172	223	242	262
Science ²		120	94	166	188	204	220	298	281	411	369	473
Medicine		65	88	82	91	105	132	147	134	157	143	128
Dentistry		20	18	16	25	20	19	22	23	35	29	22
Law		58	51	43	36	59	62	67	94	107	113	105
Business Administration		112	91	120	80	128	155	171	123	141	199	196
Accountancy		82	87	92	78	85	89	91	81	101	122	134
Architecture, Building & Estate Management		83	71	80	87	142	149	112	114	173	143	121
Engineering		306	316	337	483	554	658	768	661	876	986	875
Nanyang Technological Institute		-	-	-	-	-	-	-	-	-	641	695
Singapore Polytechnic ³		2,181	2,102	2,143	2,022	2,743	2,964	3,335	3,700	4,109	3,820	3,510
Engineering		1,754	1,784	1,848	1,810	2,316	2,320	2,745	3,017	3,519	3,333	3,140
Architecture & Building		256	154	170	124	332	478	414	450	416	351	229
Nautical		171	164	125	88	95	119	120	105	87	71	71
Business & Communications		-	-	-	-	-	47	56	128	87	65	70
Ngee Ann Polytechnic ⁴		604	595	584	547	733	796	1,173	1,348	2,262	2,436	2,276
Engineering		495	505	501	459	619	663	951	1,081	1,985	2,159	1,908
Business Studies		109	90	83	88	114	133	165	192	167	228	301
Computer Studies		-	-	-	-	-	-	57	75	110	49	67
Institute of Education		188	135	127	256	127	127	149	176	129	199	144

Figures cover undergraduates only.

Includes Pharmacy.

Figures include part-time students.

Figures include part-time students enrolled in full-time equivalent diploma courses which were introduced in 1985/86.

Source : National University of Singapore
Nanyang Technological Institute
Singapore Polytechnic
Ngee Ann Polytechnic
Institute of Education

15.11 FEMALE STUDENTS ADMITTED TO INSTITUTIONS OF HIGHER LEARNING

Num

Course \ Session	1976/77	1977/78	1978/79	1979/80	1980/81	1981/82	1982/83	1983/84	1984/85	1985/86	1986/87
Total	2,325	2,051	2,171	2,676	3,388	3,281	4,185	4,882	5,044	5,603	5,889
National University of Singapore ¹	1,013	907	839	974	1,524	1,719	2,024	2,478	2,217	2,308	2,581
Arts & Social Sciences	355	289	276	315	466	513	661	781	686	719	781
Science ²	182	185	176	221	390	439	461	521	501	538	598
Medicine	55	52	57	49	65	38	53	68	49	57	61
Dentistry	16	18	19	11	18	19	15	14	3	9	16
Law	59	47	40	61	60	72	94	103	105	87	130
Business Administration	116	81	83	117	198	238	269	397	353	292	332
Accountancy	172	106	109	132	218	258	296	342	326	334	400
Architecture, Building & Estate Management	34	69	30	37	63	70	106	125	108	115	106
Engineering	24	60	49	31	46	72	69	127	86	157	153
Nanyang Technological Institute	-	-	-	-	-	-	-	-	-	82	118
Singapore Polytechnic ³	544	457	442	505	737	778	859	997	1,189	1,000	895
Engineering	422	365	369	426	532	474	553	625	790	727	721
Architecture & Building	122	92	73	79	205	300	302	343	347	222	101
Nautical	-	-	-	-	-	-	-	-	-	-	-
Business & Communications	-	-	-	-	-	4	4	29	52	51	73
Ngee Ann Polytechnic ⁴	191	170	148	265	379	358	561	904	1,220	1,476	1,517
Engineering	62	57	36	99	163	125	179	303	528	611	474
Business Studies	129	113	112	166	216	233	319	436	582	765	865
Computer Studies	-	-	-	-	-	-	63	165	110	100	178
Institute of Education	577	517	742	932	748	426	741	503	418	737	778

Note : See notes to Table 15.10.

Source : National University of Singapore
Nanyang Technological Institute
Singapore Polytechnic
Ngee Ann Polytechnic
Institute of Education

15.12 MALE GRADUATES FROM INSTITUTIONS OF HIGHER LEARNING

		Number										
Session		1975/76	1976/77	1977/78	1978/79	1979/80	1980/81	1981/82	1982/83	1983/84	1984/85	1985/86
	Total	2,427	3,065	3,506	3,511	3,055	3,426	3,736	4,085	4,749	5,140	5,827
	National University of Singapore ¹	773	745	812	897	902	1,117	1,254	1,397	1,583	1,337	1,384
	Arts & Social Sciences	119	101	147	184	188	229	209	224	239	280	249
	Science ²	85	67	65	127	99	198	293	270	219	313	345
	Medicine	72	83	79	48	69	68	77	83	105	82	103
	Dentistry	15	18	25	13	15	18	11	27	23	12	20
	Law	47	47	30	56	41	43	36	31	52	60	71
	Business Administration	82	87	107	102	86	147	139	145	161	178	140
	Accountancy	74	67	95	74	81	92	96	91	80	73	81
	Architecture, Building & Estate Management	59	48	58	77	77	51	91	112	155	146	130
	Engineering	220	227	206	216	246	271	302	414	549	193	245
	Nanyang Technological Institute	-	-	-	-	-	-	-	-	-	501	597
	Singapore Polytechnic ³	1,383	1,868	2,012	2,014	1,590	1,594	1,838	1,965	2,148	2,223	2,527
	Engineering	1,063	1,564	1,693	1,687	1,390	1,412	1,536	1,598	1,694	1,811	2,037
	Architecture & Building	191	171	181	230	179	157	274	262	287	291	324
	Nautical	129	133	138	97	21	25	28	67	106	79	80
	Business & Communications	-	-	-	-	-	-	-	38	61	42	86
	Ngee Ann Polytechnic	222	332	528	492	452	493	492	585	834	953	1,167
	Engineering	158	258	411	404	394	447	421	483	665	781	919
	Business Studies	64	74	117	88	58	46	71	102	124	151	169
	Computer Studies	-	-	-	-	-	-	-	-	45	21	79
	Institute of Education	49	120	154	108	111	222	152	138	184	126	152

Figures cover first degree graduates only.

Includes Pharmacy.

Figures include graduates from part-time courses.

Source : National University of Singapore
Nanyang Technological Institute
Singapore Polytechnic
Ngee Ann Polytechnic
Institute of Education

15.13 FEMALE GRADUATES FROM INSTITUTIONS OF HIGHER LEARNING

Number

Course	Session	1975/76	1976/77	1977/78	1978/79	1979/80	1980/81	1981/82	1982/83	1983/84	1984/85	1985/86
Total		1,335	1,860	1,733	2,207	1,789	2,941	2,783	2,866	3,583	3,814	4,589
National University of Singapore ¹		748	836	820	1,008	869	1,070	1,141	1,508	1,826	2,117	2,476
Arts & Social Sciences		300	348	337	373	330	390	414	541	600	766	873
Science ²		140	117	111	184	186	262	284	393	507	541	600
Medicine		31	42	36	42	47	53	51	44	58	55	47
Dentistry		22	15	20	18	18	18	11	16	21	15	15
Law		61	66	79	73	56	42	37	49	54	67	89
Business Administration		55	79	82	94	84	86	134	188	229	286	361
Accountancy		110	125	124	181	89	102	125	201	265	291	330
Architecture, Building & Estate Management		11	23	23	21	40	65	38	49	56	77	113
Engineering		18	21	8	22	19	52	47	27	36	19	18
Nanyang Technological Institute		-	-	-	-	-	-	-	-	-	56	64
Singapore Polytechnic ³		288	464	375	478	379	469	586	561	615	644	714
Engineering		175	336	235	317	261	317	355	325	382	435	520
Architecture & Building		113	128	140	161	118	152	231	233	229	205	168
Nautical		-	-	-	-	-	-	-	-	-	-	-
Business & Communications		-	-	-	-	-	-	-	3	4	4	26
Ngee Ann Polytechnic		90	105	188	171	128	102	259	343	459	589	765
Engineering		14	18	44	55	51	28	105	141	126	141	246
Business Studies		76	87	144	116	77	74	154	202	273	366	405
Computer Studies		-	-	-	-	-	-	-	-	60	82	114
Institute of Education		209	455	350	550	413	1,300	797	454	683	408	570

Note : See notes to Table 15.12.

Source : National University of Singapore
Nanyang Technological Institute
Singapore Polytechnic
Ngee Ann Polytechnic
Institute of Education

**15.14 INTAKE OF TRAINEES OF VOCATIONAL AND INDUSTRIAL TRAINING INSTITUTES,
1982-1986**

Number

Course Level	1982			1983			1984			1985			1986		
	Total	Males	Females	Total	Males	Females	Total	Males	Females	Total	Males	Females	Total	Males	Females
Total	16,974	15,116	1,858	19,311	16,437	2,874	17,197	14,194	3,003	22,276	18,043	4,233	23,687	18,669	5,018
Full-time	8,623	7,287	1,336	8,881	6,896	1,985	6,426	4,311	2,115	11,891	8,626	3,265	11,171	7,360	3,811
Part-time	8,351	7,829	522	10,430	9,541	889	10,771	9,883	888	10,385	9,417	968	12,516	11,309	1,207
Diploma in Applied Arts	61	26	35	67	23	44	65	22	43	95	26	69	88	28	60
Full-time	61	26	35	67	23	44	65	22	43	95	26	69	88	28	60
Industrial Technician Certificate	1,050	951	99	879	797	82	981	831	150	1,185	989	196	1,167	989	178
Full-time	890	801	89	799	721	78	656	540	116	885	717	168	905	744	161
Part-time	160	150	10	80	76	4	325	291	34	300	272	28	262	245	17
National Trade Certificate (Grade 2)	3,959	3,696	263	4,960	4,771	189	5,007	4,708	299	4,712	4,447	265	4,143	3,908	235
Full-time	661	562	99	545	506	39	762	707	55	1,076	1,012	64	752	672	80
Part-time	3,298	3,134	164	4,415	4,265	150	4,245	4,001	244	3,636	3,435	201	3,391	3,236	155
National Trade Certificate (Grade 3)	8,936	8,155	781	9,585	8,309	1,276	8,722	7,532	1,190	12,094	10,081	2,013	12,839	10,928	1,911
Full-time	4,913	4,391	522	4,423	3,795	628	2,994	2,394	600	6,025	4,748	1,277	4,281	3,365	916
Part-time	4,023	3,764	259	5,162	4,514	648	5,728	5,138	590	6,069	5,333	736	8,558	7,563	995
Business Certificate/ Certificate of Competency	1,674	1,618	56	1,870	1,820	50	303	299	4	12	10	2	94	85	9
Full-time	1,355	1,352	3	1,428	1,428	-	224	220	4	12	10	2	44	44	-
Part-time	319	266	53	442	392	50	79	79	-	-	-	-	50	41	9
Pre-vocational Training	-	-	-	-	-	-	142	114	28	2,406	1,913	493	2,768	2,200	568
Full-time	-	-	-	-	-	-	142	114	28	2,406	1,913	493	2,768	2,200	568
Certificate in Business Studies	407	99	308	462	75	387	596	138	458	531	103	428	869	152	717
Full-time	407	99	308	462	75	387	596	138	458	531	103	428	869	152	717
Preliminary Certificate in Business Studies	336	56	280	901	92	809	914	103	811	851	87	764	1,464	155	1,309
Full-time	336	56	280	901	92	809	914	103	811	851	87	764	1,464	155	1,309
Ad-hoc	551	515	36	587	550	37	467	447	20	390	387	3	255	224	31
Full-time	-	-	-	256	256	-	73	73	-	10	10	-	-	-	-
Part-time	551	515	36	331	294	37	394	374	20	380	377	3	255	224	31

Figures exclude part-time courses in languages, commercial, academic and non-examination courses.

Source : Vocational & Industrial Training Board

15.15 TRAINEES COMPLETED COURSES AT VOCATIONAL AND INDUSTRIAL TRAINING INSTITUTES, 1982-1986

Number

Course Level	1982			1983			1984			1985			1986		
	Total	Males	Females	Total	Males	Females	Total	Males	Females	Total	Males	Females	Total	Males	Females
Total	15,376	13,719	1,657	16,874	15,125	1,749	17,113	14,392	2,721	18,049	14,847	3,202	21,180	17,266	3,914
Full-time	6,649	5,544	1,105	6,779	5,874	905	6,281	4,496	1,785	7,597	5,297	2,300	8,472	5,834	2,638
Part-time	8,727	8,175	552	10,095	9,251	844	10,832	9,896	936	10,452	9,550	902	12,708	11,432	1,276
Diploma in Applied Arts	-	-	-	37	13	24	30	13	17	59	22	37	64	25	39
Full-time	-	-	-	37	13	24	30	13	17	59	22	37	64	25	39
Industrial Technician Certificate	858	743	115	748	668	80	774	687	87	584	526	58	476	395	81
Full-time	811	705	106	716	640	76	748	669	79	532	480	52	425	348	77
Part-time	47	38	9	32	28	4	26	18	8	52	46	6	51	47	4
National Trade Certificate (Grade 2)	3,839	3,603	236	4,631	4,420	211	4,805	4,529	276	4,259	4,025	234	4,026	3,819	207
Full-time	484	443	41	249	221	28	509	465	44	462	422	40	646	585	61
Part-time	3,355	3,160	195	4,382	4,199	183	4,296	4,064	232	3,797	3,603	194	3,380	3,234	146
National Trade Certificate (Grade 3)	7,895	7,111	784	8,464	7,497	967	8,677	7,616	1,061	9,542	8,202	1,340	12,269	10,563	1,706
Full-time	3,629	3,112	517	3,723	3,285	438	2,818	2,411	407	3,302	2,662	640	3,344	2,727	617
Part-time	4,266	3,999	267	4,741	4,212	529	5,859	5,205	654	6,240	5,540	700	8,925	7,836	1,089
Artisan Certificate/ Certificate of Competency	1,420	1,367	53	1,941	1,845	96	747	743	4	12	10	2	66	62	4
Full-time	1,144	1,141	3	1,395	1,395	-	573	569	4	12	10	2	30	30	-
Part-time	276	226	50	546	450	96	174	174	-	-	-	-	36	32	4
Pre-vocational Training	-	-	-	-	-	-	134	107	27	1,930	1,556	374	2,407	1,914	493
Full-time	-	-	-	-	-	-	134	107	27	1,930	1,556	374	2,407	1,914	493
Certificate in Business Studies ¹	285	99	186	311	77	234	433	81	352	415	68	347	424	88	336
Full-time	285	99	186	311	77	234	433	81	352	415	68	347	424	88	336
Preliminary Certificate in Business Studies	296	44	252	132	27	105	923	68	855	876	68	808	1,132	117	1,015
Full-time	296	44	252	132	27	105	923	68	855	876	68	808	1,132	117	1,015
Ad-hoc	783	752	31	610	578	32	590	548	42	372	370	2	316	283	33
Full-time	-	-	-	216	216	-	113	113	-	9	9	-	-	-	-
Part-time	783	752	31	394	362	32	477	435	42	363	361	2	316	283	33

Note : Figures exclude part-time courses in languages, commercial, academic and non-examination courses.

Source : Vocational & Industrial Training Board

1 Figures include commercial courses.

15.16 GOVERNMENT EXPENDITURE ON EDUCATION

Thousand Dollars

	1976/77	1977/78	1978/79	1979/80	1980/81	1981/82	1982/83	1983/84	1984/85	1985/86	1986/87 ⁴
TOTAL	405,872	415,823	459,105	556,419	686,379	984,568	1,358,429	1,611,646	1,769,729	1,779,081	1,747,042
Recurrent Expenditure	361,222	381,368	426,354	505,207	587,469	749,496	983,750	1,107,112	1,272,560	1,388,326	1,409,096
Primary Schools	133,386	139,734	156,499	186,266	210,143	252,054	337,339	357,249	403,915	422,806	417,897
Secondary Schools & Junior Colleges	95,146	103,200	119,794	181,545	211,841	273,344	323,163	348,199	392,387	431,866	438,537
Vocational & Industrial Training Board ¹	45,171	48,055	50,029	25,000	29,694	39,140	47,401	55,121	65,662	80,295	80,543
Tertiary	70,387	71,649	78,867	90,186	109,649	147,321	224,936	291,782	350,151	387,224	401,731
National University of Singapore ²	43,563	42,568	48,570	58,185	74,557	100,141	156,434	197,947	240,448	253,811	265,102
Institute of Education	9,113	11,043	10,257	7,831	11,089	12,300	13,626	18,817	21,267	22,979	23,260
Polytechnics	17,711	18,038	20,040	24,170	24,003	34,880	54,876	75,018	88,436	110,434	113,369
Others ³	17,132	18,730	21,165	22,210	26,142	37,637	50,911	54,761	60,445	66,135	70,388
Development Expenditure	44,650	34,455	32,751	51,212	98,910	235,072	374,679	504,534	497,169	390,755	337,946

¹ Prior to 1980/81, figures include expenditure of Adult Education Board.

² From 1981/82, figures include expenditure of Nanyang Technological Institute.

³ Includes Curriculum Development Institute of Singapore, Extra Curricular Activities Centre, Institute of Southeast Asian Studies and headquarters expenditure.

⁴ Based on Budget estimates.

Source : Ministry of Education

16 HEALTH

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, and the provision of treatment and hospital facilities. In addition, the Ministry undertakes the responsibility of monitoring family planning policies as well as providing advice and facilities on family planning.

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

Primary Health Care Services

The Primary Health Care Services which include Outpatient, Maternal and Child Health

and School Health Services are provided at 26 outpatient dispensaries and 28 maternal and child health clinics. The outpatient dispensaries offer general curative treatment while maternal and child health clinics concentrate on preventive health care for women of child-bearing age and pre-school children, implementing family planning programmes and immunization programmes for pre-school children. Health screening and immunization for school children is undertaken by School Health Services.

Hospital Services

There are 10 government hospitals of which 5 are general hospitals providing accident and emergency services and multi-disciplinary treatment, and 5 specialist hospitals providing specialist treatment in obstetrics and gynaecology, psychiatry, skin and infectious diseases. In addition, there are 12 private hospitals catering to the medical needs of the people.

Other Medical and Supporting Services

These are provided by the Radiology and Radiotherapy Department, 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 182 dental clinics

located at various hospitals, outpatient/maternal and child health clinics and schools.

Medical Personnel

Data on medical personnel refer to the number of doctors, dentists, pharmacists, nurses and mid-wives registered under the respective Acts; namely, the Medical Registration Act, the Registration of Dentists Act, the Registration of Pharmacists Act, the Nurses Registration Act and the Mid-wives Act.

16.1 HOSPITALS, GOVERNMENT CLINICS AND DISPENSARIES

No.

Year	Hospitals		Government Dental Clinics ¹	Government Outpatient Dispensaries	Maternal & Child Health Clinics
	Government	Private			
1976	13	8	117	27	35
1977	13	8	124	28	34
1978	13	10	134	26	32
1979	13	12	132	27	30
1980	13	13	133	27	29
1981	13	13	133	26	29
1982	13	13	137	26	29
1983	11	12	160	26	29
1984	11	11	162	26	29
1985	10	12	176	26	29
1986	10	12	183	26	28

¹ Include dental clinics in schools.

Source : Ministry of Health

16.2 REGISTERED MEDICAL PERSONNEL

Number

Year	Doctors		Dentists ¹		Pharmacists		State Registered Nurses		State Enrolled Nurses		Midwives	
	Government	Private	Government	Private	Government	Private	Government	Private	Government	Private	Government	Private
1976	740	965	131	139	60	238	2,809	1,433	1,584	134	532	393
1977	752	1,095	133	168	64	254	3,143	1,714	1,761	196	550	313
1978	826	1,035	154	169	60	270	3,413	1,706	1,761	189	552	305
1979	806	1,045	157	189	62	289	3,241	2,078	1,822	264	536	271
1980	855	1,121	161	185	58	310	2,939	2,384	1,897	325	521	258
1981	914	1,177	166	204	58	300	2,883	2,141	1,846	370	492	274
1982	1,001	1,224	180	222	59	314	2,849	2,275	1,976	434	439	283
1983	1,047	1,314	174	262	58	329	3,169	2,408	1,682	455	405	305
1984	1,109	1,395	165	310	58	351	3,207	2,485	1,679	459	372	280
1985	1,214	1,417	159	337	55	381	3,606	2,698	1,547	544	371	279
1986	1,337	1,444	154	372	58	396	3,533	2,869	1,564	602	354	247

¹ Figures refer to those with professional degrees.

Source : Ministry of Health

16.3 GOVERNMENT HOSPITAL BEDS

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
TOTAL	8,609	8,574	8,493	8,485	8,078	8,365	8,246	8,222	8,085	8,047	7,896
General Hospitals											
Alexandra Hospital	479	479	483	503	503	503	545	545	545	560	600
Changi Hospital	180	180	180	180	202	202	202	203	203	203	182
Sembawang Hospital ¹	64	64	64	64	64	64	62	-	-	-	-
Singapore General Hospital	1,521	1,521	1,521	1,459	1,397	1,651	1,500	1,593	1,656	1,671	1,650
Tan Tock Seng Hospital	1,369	1,358	1,311	1,345	1,335	1,337	1,324	1,274	1,274	1,434	1,407
Toa Payoh Hospital	410	410	412	412	412	418	410	410	410	410	410
Specialised Hospitals											
Kandang Kerbau Hospital	751	727	687	687	687	687	687	681	681	681	561
St Andrew's Hospital	120	120	120	120	80	80	80	80	80	80	80
Middle Road Hospital	44	44	44	44	44	44	44	44	44	44	44
Middleton Hospital ²	228	228	228	228	228	228	228	228	228	-	-
Woodbridge Hospital ³	3,193	3,193	3,193	3,193	2,876	2,901	2,914	2,914	2,714	2,714	2,714
View Road Hospital	250	250	250	250	250	250	250	250	250	250	250

1 Closed with effect from 31 March 1983.

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

3 Includes Trafalgar Unit, Mental Defective Unit and Chronic Sick Unit.

Source : Ministry of Health

16.4 PRIVATE HOSPITAL BEDS

Number

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Total	1,100	1,097	1,090	1,261	1,501	1,534	1,576	1,585	1,583	1,819	2,076
Gleneagles Hospital	76	76	76	122	122	121	122	127	127	127	127
Jurong Hospital	62	62	62	62	62	40	40	40	40	40	40
Mt Alvernia Hospital	272	272	292	325	317	312	304	304	304	304	304
The American Hospital of Singapore ¹	45	45	45	45	21	21	89	89	96	117	130
Youngberg Hospital	82	79	79	79	74	68	70	70	67	55	38
St Andrew's Mission Hospital ²	80	80	50	50	50	50	50	-	-	-	-
Singapore Nursing Home	20	20	19	20	30	30	45	45	45	45	45
Kwong Wai Shiu Hospital	425	425	425	425	425	425	425	425	425	425	425
Shenton Nursing Home	-	-	-	13	15	15	15	18	18	18	16
Thomson Medical Centre	-	-	-	76	77	96	96	96	96	96	108
Mt Elizabeth Hospital	-	-	-	-	264	322	282	337	345	290	360
Eye Clinic	22	22	22	22	22	12	20	20	20	20	20
Gental Nursing & Health Centre ³	16	16	20	22	22	22	18	14	-	-	-
National University Hospital ⁴	-	-	-	-	-	-	-	-	-	282	463

Source : Ministry of Health

- 1 Known as St Mark's Hospital prior to 1983.
- 2 Services were discontinued after 22 April 1982.
- 3 Closed with effect from 1 February 1984.
- 4 Started functioning from 24 June 1985.

16.5 ADMISSIONS IN GOVERNMENT HOSPITALS

Number

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Total	184,146	190,332	209,130	234,328	234,502	230,330	233,683	226,991	230,138	229,995	220,730
Alexandra Hospital	23,983	24,095	28,339	33,089	34,841	33,056	32,459	31,553	33,898	33,255	30,930
Changi Hospital	597	1,853	2,520	3,157	4,113	5,289	3,888	4,343	3,466	3,755	4,157
Sembawang Hospital ¹	1,090	874	745	994	1,076	1,078	1,058	119	-	-	-
Singapore General Hospital	53,515	54,444	53,036	60,208	58,637	54,655	60,552	60,685	62,310	64,982	65,473
Tan Tock Seng Hospital	15,014	19,490	28,590	37,789	37,680	35,961	36,671	39,915	38,459	42,987	45,475
Toa Payoh Hospital	25,193	25,245	26,740	30,414	31,937	31,852	29,280	29,410	29,925	29,477	28,070
Kandang Kerbau Hospital	54,052	49,879	53,451	55,236	53,437	53,904	54,280	48,072	48,436	48,442	39,620
St Andrew's Hospital	251	219	265	180	192	152	104	122	174	124	158
Middle Road Hospital	663	622	669	618	682	846	925	820	887	738	767
Middleton Hospital ²	5,928	8,997	9,965	7,347	6,066	7,811	9,215	6,562	6,587	-	-
Woodbridge Hospital ³	3,706	4,542	4,757	5,243	5,738	5,598	5,177	5,335	5,828	6,056	5,959
View Road Hospital	154	72	53	53	103	128	74	55	168	179	130

1 Closed with effect from 31 March 1983.

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

3 Includes Trafalgar Unit, Mental Defective Unit and Chronic Sick Unit.

Source : Ministry of Health

16.6 VISITS TO OUTPATIENT DISPENSARIES

Number

Year	Total	Outpatient Dispensaries	Sunday/Holiday Clinics	Island Dispensaries	Mobile Dispensaries ¹	Institutional Dispensaries
1976	2,489,596	2,284,118	22,420	5,849	12,415	164,794
1977	2,748,869	2,555,489	23,083	4,610	7,868	157,819
1978	2,922,263	2,700,463	25,192	3,658	-	192,950
1979	2,907,204	2,799,451	23,809	2,989	-	80,955
1980	2,917,554	2,843,192	24,398	2,322	-	47,642
1981	2,833,394	2,756,642	22,880	2,792	-	51,080
1982	2,928,976	2,879,549	21,161	2,653	-	25,613
1983	2,662,370	2,618,141	19,871	1,801	-	22,557
1984	2,431,286	2,392,409	17,402	1,257	-	20,218
1985	2,346,344	2,304,773	15,751	226	-	25,594
1986	2,344,081	2,306,896	13,713	168	-	23,304

¹ Closed with effect from 31 December 1977.

Source : Ministry of Health

16.7 VISITS TO GOVERNMENT DENTAL CLINICS

Number

Year	Total	School	Hospital	Outpatient Clinic
1976	786,921	487,766	174,435	124,720
1977	900,127	551,787	178,014	170,326
1978	907,450	534,476	178,695	194,279
1979	1,045,226	516,572	198,186	330,468
1980	1,098,054	539,459	201,638	356,957
1981	1,080,982	494,446	201,888	384,648
1982	1,139,698	520,969	194,589	424,140
1983	1,175,300	638,307	165,355	371,638
1984	1,133,261	660,597	146,949	325,715
1985	1,164,031	750,157	149,332	264,542
1986	1,165,610	804,504	159,999	201,107

Source : Ministry of Health

16.8 MATERNITY SERVICES

Number

Year	Maternal & Child Health Clinics			Government Hospitals	
	Ante-natal & Post-natal Attendances	Home Deliveries	Home Visit to Puerperal Mothers by Nurses & Midwives	Ante-natal & Post-natal Attendances	Deliveries
1976	103,240	10	168,957	150,730	36,309
1977	97,114	9	112,307	141,435	32,540
1978	103,572	7	122,047	152,700	33,253
1979	106,873	3	127,822	162,375	34,362
1980	107,099	6	123,680	152,204	33,957
1981	98,219	3	112,901	159,965	33,899
1982	88,733	-	111,061	164,986	33,418
1983	75,415	-	102,216	156,872	30,663
1984	66,643	1	90,628	159,852	30,496
1985	54,299	-	84,941	164,226	30,191
1986	50,216	-	67,761	125,534	23,549

Source : Ministry of Health

16.9 NOTIFICATIONS OF SPECIFIC NOTIFIABLE DISEASES

Num

Year	Cholera	Dengue/ DHF ¹	Diphtheria	Enteric Fever ²	Leprosy	Malaria	Poliomyelitis	Tuberculosis	Viral Hepatitis ³	Viral Encephalitis
1976	-	30	-	141	102	251	1	2,813	...	...
1977	11	92	1	216	90	184	2	2,760	...	...
1978	83	384	-	174	71	166	1	2,964	393	30
1979	10	156	-	208	96	208	1	2,800	392	24
1980	18	253	-	255	66	200	-	2,710	1,001	36
1981	34	136	-	209	64	261	-	2,425	425	27
1982	31	216	6	174	61	282	1	2,179	426	15
1983	14	205	4	137	69	219	2	2,065	626	16
1984	40	86	-	118	43	193	2	2,143	601	17
1985	27	126	-	148	57	166	-	1,952	610	5
1986	27	354	1	158	39	180	2	1,765*	730	7

Note : No case of plague, smallpox and yellow fever was reported during the period.

Source : Ministry of Health

1 Dengue/Dengue Haemorrhagic Fever was made a notifiable disease from August 1977. However, it was administratively notifiable within government institutions since October 1966.

2 Refer to Typhoid and Paratyphoid.

3 Viral Hepatitis and Viral Encephalitis were made notifiable diseases from August 1977. However, data are only available from 1978.

16.10 VACCINATION AND IMMUNIZATION OF PRE-SCHOOL CHILDREN

Thousand Doses

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
BCG Vaccination	38.2	34.2	34.6	35.3	35.0	35.2	34.1	31.4	30.6	30.8	23.8
Smallpox Vaccination	36.3	33.0	31.6	32.4	31.5	10.6	0.7	-	-	-	-
Diphtheria Immunization											
Diphtheria Tetanus											
1st Dose	3.0	2.2	2.0	1.8	1.7	1.4	1.5	1.3	0.9	0.9	0.7
2nd Dose	3.0	2.1	2.1	1.8	1.9	1.6	1.8	1.6	1.5	1.6	1.3
3rd Dose ¹	-	-	-	-	-	-	-	-	0.7	1.8	1.8
Boosters	20.4	14.5	14.2	11.9	10.8	10.0	9.5	9.7	9.7	8.9	7.8
Triple Antigen											
1st Dose	33.2	32.8	30.0	31.1	29.8	31.6	30.1	28.9	26.1	27.3	26.7
2nd Dose	31.4	31.7	28.4	29.5	28.3	30.0	28.3	27.6	25.1	25.8	26.0
3rd Dose	30.2	31.3	27.8	28.5	27.6	29.0	27.3	26.6	24.5	24.9	25.5
Boosters	20.9	19.8	21.4	20.2	20.2	19.6	20.2	20.1	19.5	18.7	20.7
Poliomyelitis Immunization											
1st Dose	35.6	34.5	31.6	32.5	31.2	32.8	31.0	29.9	27.0	28.0	27.3
2nd Dose	34.2	33.8	30.5	31.3	30.1	31.7	29.9	29.3	26.5	27.4	27.4
3rd Dose	33.6	34.0	30.2	30.8	30.0	31.3	29.9	29.5	26.6	27.2	27.6
Boosters	67.3	59.4	62.7	58.4	55.7	54.4	34.8	29.7	29.1	27.5	28.4
Measles	3.4	10.3	9.2	10.0	18.0	22.2	30.0	33.1	30.4	30.8	31.1

¹ Given to pre-school children with effect from 16 July 1984.

Source : Ministry of Health

16.11 VACCINATION AND IMMUNIZATION OF SCHOOL CHILDREN

Thousand Doses

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
BCG Vaccination	31.1	26.0	30.6	29.4	27.4	28.8	44.5	35.2	35.4	32.9	29.2
Smallpox Revaccination	37.4	43.5	40.0	43.5	42.9	11.4	-	-	-	-	-
Diphtheria Tetanus											
1st Dose	0.6	0.9	0.4	0.4	0.5	0.4	0.2	0.2	0.2	0.1	0.1
2nd Dose	0.5	0.8	0.4	0.4	0.4	0.4	0.3	0.3	0.2	0.1	0.1
Boosters	119.3	99.6	118.0	120.4	111.8	109.7	97.4	84.2	80.8	81.5	78.3
Poliomyelitis Immunization											
1st Dose	1.1	1.2	0.5	0.5	0.5	0.4	0.2	0.2	0.2	0.1	0.1
2nd Dose	1.1	1.3	0.6	0.5	0.4	0.4	0.3	0.2	0.2	0.1	0.1
3rd Dose	0.5	1.4	0.7	0.6	0.6	0.5	0.3	0.3	0.3	0.2	0.1
Boosters	125.8	98.7	102.6	104.5	97.7	101.7	90.6	83.5	74.9	79.9	76.8
Rubella	9.8	20.1	20.9	36.3	26.9	17.7	51.2	44.6	44.9	44.5	40.0

Source : Ministry of Health

16.12 STUDENT MEDICAL CHECK-UP

Thousand

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
TOTAL	220.3	205.4	214.2	214.7	218.5	225.3	204.0	185.0	174.3	196.6	195.6
By Category :											
New Entrants	41.6	43.6	44.4	46.5	45.8	41.9	39.4	42.7	38.4	39.1	39.9
Primary School Leavers	51.8	39.2	44.0	42.9	40.3	37.2	55.7	48.3	48.8	47.2	42.9
Secondary School Leavers	36.9	17.1	18.0	17.8	15.2	15.0	15.6	17.2	21.4	37.4	35.7
Re-examination	85.5	103.0	106.9	106.3	115.1	130.2	92.6	74.5	64.0	71.7	77.2
Others	4.5	2.5	0.9	1.2	2.0	1.0	0.7	2.3	1.7	1.3	-
By Sex :											
Males	109.8	96.3	100.3	98.8	101.9	106.1	95.9	86.3	79.0	100.4	98.9
Females	110.5	109.1	113.9	115.9	116.6	119.2	108.1	98.7	95.3	96.2	96.7

Source : Ministry of Health

16.13 COMMON DEFECTS AMONG STUDENTS

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
	Per 10,000 Males Examined										
Incidence of :											
Defective Vision	2,722	2,382	2,476	2,885	2,939	3,114	3,161	2,690	2,786	3,490	4,062
Obesity — Primary School Entrants	..	..	..	..	441	255	250	380	622	777	952
— Primary School Leavers	..	..	..	..	762	1,040	1,064	1,204	1,123	1,144	1,443
Skin Infection	332	81	129	253	282	275	284	292	259	111	135
Scoliosis	..	..	..	..	33	61	78	127	331	587	477
Heart Disease	92	141	206	202	191	240	165	162	110	160	128
Defective Hearing	1	2	9	7	12	22	37	23	32	30	45
Genito-urinary Malformation	280	442	717	606	786	741	530	508	497	532	558
	Per 10,000 Females Examined										
Incidence of :											
Defective Vision	3,257	3,439	3,433	3,851	3,779	4,158	3,558	3,747	3,773	4,409	4,514
Obesity — Primary School Entrants	..	..	..	..	386	195	181	239	555	650	761
— Primary School Leavers	..	..	..	..	572	799	944	952	757	716	930
— Secondary School Leavers	..	..	..	..	556	864	916	1,442	1,019	971	1,047
Skin Infection	279	231	237	358	295	341	401	440	353	187	160
Scoliosis	..	..	..	..	67	177	278	529	622	937	852
Heart Disease	90	86	206	198	231	190	185	363	121	187	132
Defective Hearing	2	1	8	8	12	13	22	17	21	27	41
Genito-urinary Malformation	14	18	22	4	5	3	12	9	11	8	23

Source : Ministry of Health

16.14 FAMILY PLANNING

Number

Year	Visits to Government Family Planning Clinics							Sterilization		
	Total	First Visit			Re-visits			Total	Female Sterilization ¹	Vasectomy
		Contraceptive Pill	Condom	Others	Contraceptive Pill	Condom	Others			
1976	361,385	8,952	8,477	245	236,676	90,128	16,907	10,218	9,810	408
1977	339,965	7,503	8,354	301	212,152	94,598	17,057	7,986	7,635	351
1978	308,769	6,229	8,730	233	186,829	90,010	16,738	7,245	6,905	340
1979	283,954	5,779	9,180	307	164,827	88,032	15,829	6,620	6,125	495
1980	269,294	5,539	9,166	304	152,557	85,740	15,988	6,266	5,808	458
1981	250,075	5,068	9,165	301	136,611	83,420	15,510	6,014	5,528	486
1982	235,709	4,873	9,418	360	123,600	82,932	14,526	5,637	5,143	494
1983	223,807	4,509	8,828	404	115,758	79,931	14,377	5,198	4,742	456
1984	207,214	4,162	7,876	443	107,172	74,274	13,287	5,786	5,417	369
1985	195,263	4,102	8,124	460	99,546	69,537	13,494	5,490	5,233	257
1986	188,291	3,692	7,233	535	94,173	68,574	14,084	4,768	4,504	264

¹ Figures exclude hysterectomy.

Source : Ministry of Health

16.15 BLOOD DONATIONS AND TRANSFUSIONS

Year	Donors	Blood Donations	Transfusions Given							
			Total	Singapore General Hospital	Tan Tock Seng Hospital	Alexandra Hospital	Toa Payoh Hospital	Kandang Kerbau Hospital	Other Government Hospitals	Private Hospitals
	Persons		Number of Units ¹							
1976	32,784	45,615	39,747	15,648	5,798	3,894	6,142	5,553	159	2,553
1977	33,948	48,390	44,261	17,428	7,427	3,522	6,573	6,231	458	2,622
1978	40,349	56,670	44,969	16,290	9,744	4,225	6,566	5,623	417	2,104
1979	35,384	51,897	45,261	16,937	11,030	4,626	5,333	4,787	475	2,073
1980	36,276	53,813	46,729	16,637	11,004	4,762	5,113	4,409	623	4,181
1981	36,526	55,038	49,059	18,006	10,585	5,369	4,817	4,270	1,024	4,986
1982	39,448	59,711	53,408	20,789	10,421	5,930	5,489	4,557	756	5,466
1983	38,808	59,474	52,507	19,728	10,378	5,538	4,954	5,432	839	5,638
1984	38,350	58,018	54,421	21,826	9,926	6,312	4,575	4,655	788	6,339
1985	39,772	59,308	52,411	21,937	8,645	5,560	4,529	4,386	536	6,818
1986	42,337	61,990	56,045	22,731	8,570	4,798	4,538	4,133	605	10,670

¹ Volume of one unit of blood is approximately 430 ml.

Source : Ministry of Health

17 CULTURE AND RECREATION

Radio and Television

The Singapore Broadcasting Corporation (SBC) was established on 1 February 1980. It took over the functions of the Department of Broadcasting and the Radio and Television Licensing Section of the Inland Revenue Department.

Radio and TV programmes of SBC are produced and broadcast in the four official languages — Malay, Chinese, Tamil and English. The Corporation maintains a balance between information and entertainment programmes and also caters for people of different age groups.

SBC operates five radio services — one for each official language and the fifth, a bilingual English/Mandarin serious music programme service, broadcast in FM stereo only. The four language services operate simultaneously on FM stereo, medium-wave and short-wave frequencies.

Television was introduced in Singapore on 15 February 1963. The Corporation now operates three channels for the telecast of its programmes in the four

official languages. Every programme transmitted is usually subtitled in one other language to attract a greater number of viewers. SBCText, a teletext service, was inaugurated on 1 August 1983 and transmissions can be received on two of the channels from 6am to 12 midnight.

Under the Singapore Broadcasting Corporation Act, 1979, a licence has to be obtained by every person using a radio and/or television receiver at any place of residence, premises or in a motor vehicle. A licence permits the use of one or more television receivers and one or more radios in any one place of residence. The current annual licence fee is \$36 for a monochrome television set, \$80 for a colour set and \$18 for a radio receiver only.

The Rediffusion Services, a private undertaking, provides direct sound broadcasts via cable to subscribers. The monthly rental fee is \$7.50 per set for subscriber with Radio or Radio and Television Licences and \$9.00 per set for those without such licences.

Cinema

Data on cinemas are obtained from the Customs and Excise Department. Under the Entertainment Duty Act, all cinemas are liable to pay entertainment duty according to their admission charges. Total attendances are based on the number of tickets sold.

Library

The National Library, both a national and public library maintained by the government, provides essential library facilities as well as a variety of cultural, educational and recreational programmes for the community. Membership is open to the general public free of charge.

In addition to the Central Library at Stamford Road, there are full-time branch libraries in Marine Parade, Queenstown, Toa Payoh, Ang Mo Kio, Bedok and Bukit Merah; part-time branch libraries in

Whampoa and Jurong; and two mobile library vehicles providing weekly services to 7 community centres as at December 1986.

The Library maintains, in addition to the normal stock of books, collections of special interest for research and other purposes as well as periodicals, newspapers, music scores, braille and large print books. The Library also has a microfilm unit and many documents and publications are on microfilm and microfiche. The Arts Resource Centre set up within the Reference Services Division of the Central Library maintains a good collection of books, periodicals, and audio-visual materials, that is, slides, cassette tapes, video cassettes, compact discs, records, posters and prints, covering various aspects of fine arts. Audio-visual Services are also available at the branches with each branch specialising in a subject area besides a basic collection on general subjects.

The computerized integrated library system will be implemented in 1987, starting with cataloguing and loan services.

17.1 RADIO AND TELEVISION LICENCES AND REDIFFUSION SUBSCRIBERS

Num

End of Year	Radio Licences	Radio & Television Licences	Rediffusion Subscribers
1976	60,148	309,276	86,672
1977	58,357	329,119	90,428
1978	57,284	353,248	93,175
1979	58,912	371,692	100,487
1980	62,294	397,155	107,080
1981	66,897	414,535	110,792
1982	73,602	424,089	110,348
1983	104,735	464,269	95,030
1984	111,009	474,877	81,336
1985	108,735	481,908	73,195
1986	111,568	509,908	66,145

Source : Singapore Broadcasting Corporation
Rediffusion Singapore Pte Ltd

17.2 RADIO AND TELEVISION TRANSMISSION

Hours Per Week

Year	Radio						Television
	Total	AM/FM				FM Stereo	
		Malay	Chinese	Tamil	English		
1976	560	126	147	105	126	56	106.5
1977	560	126	147	105	126	56	104.0
1978	569	135	147	105	126	56	104.0
1979	569	135	147	105	126	56	104.0
1980	639	135	147	105	126	126	113.0
1981	639	135	147	105	126	126	115.0
1982	639	135	147	105	126	126	115.0
1983	646	135	147	112	126	126	115.0
1984	646	135	147	112	126	126	132.0
1985	649	135	148	112	127	127	149.2
1986	649	135	148	112	127	127	155.0

Source : Singapore Broadcasting Corporation

17.3 CINEMAS

Year	Cinemas			Total Seating Capacity ¹	Attendances
	Total	Air Conditioned	Others		
	Number			Thousand	
1976	73	54	19	63	38,793
1977	72	54	18	65	43,049
1978	72	56	16	67	44,676
1979	74	60	14	69	46,054
1980	80	67	13	77	40,531
1981	73	63	10	74	36,469
1982	72	63	9	71	35,781
1983	57	55	2	63	30,659
1984	51	49	2	57	27,388
1985	47	47	-	54	22,702
1986	42	42	-	49	19,520

¹ Figures do not include the parking capacity of 899 cars that can be accommodated in the Jurong Drive-in Cinema.

Source : Customs & Excise Department

17.4 NATIONAL LIBRARY MEMBERSHIP

Number

Year	Total	Persons Aged 15 Years & Over	Children Under 15 Years
1976	319,847	146,993	172,854
1977	341,288	162,850	178,438
1978	335,191	156,298	178,893
1979	342,241	157,830	184,411
1980	371,153	184,032	187,121
1981	445,455	250,863	194,592
1982	540,215	334,755	205,460
1983	640,322	422,279	218,043
1984	715,501	492,370	223,131
1985	833,907	594,977	238,930
1986	925,245	681,050	244,195

Source : Singapore National Library

17.5 BOOK COLLECTIONS AT THE NATIONAL LIBRARY

Year	Total	Malay	Chinese	Tamil	English
1976	971,717	129,020	283,792	70,379	488,526
1977	1,062,133	138,669	311,262	72,210	539,992
1978	1,138,803	143,247	329,959	72,592	593,005
1979	1,232,262	158,428	354,568	72,657	646,609
1980	1,352,276	169,530	390,491	73,314	718,941
1981	1,430,753	181,948	409,401	69,801	769,603
1982	1,601,680	202,528	447,000	66,806	885,346
1983	1,771,412	232,902	493,884	78,576	966,050
1984	2,162,231	263,118	615,236	87,589	1,196,288
1985	2,322,242	282,015	661,109	88,594	1,290,524
1986	2,541,556	304,274	701,125	83,675	1,452,482

Source : Singapore National

17.6 LOANS OF BOOKS AT THE NATIONAL LIBRARY

Number

Year	Total	Adults and Young People	Children
1976	2,639,204	1,278,454	1,360,750
1977	2,732,081	1,298,512	1,433,569
1978	2,921,554	1,398,529	1,523,025
1979	3,264,697	1,557,373	1,707,324
1980	3,407,416	1,780,716	1,626,700
1981	3,603,750	1,942,081	1,661,669
1982	4,679,017	2,638,849	2,040,168
1983	6,227,930	3,453,528	2,774,402
1984	6,093,392	3,472,286	2,621,106
1985	7,025,899	3,886,211	3,139,688
1986	8,659,955	4,625,025	4,034,930

Source : Singapore National Library

17.7 DAILY NEWSPAPERS CIRCULATION

Year	Total	English	Chinese	Malay	Others
1976	476,983	206,014	235,187	27,935	7,847
1977	501,541	220,105	245,882	27,780	7,774
1978	534,373	232,631	265,338	28,655	7,749
1979	587,690	249,357	299,872	29,832	8,629
1980	615,612	268,601	307,769	32,308	6,934
1981	644,310	283,644	320,367	33,539	6,760
1982	657,340	289,537	326,583	34,025	7,195
1983	694,711	301,205	351,392	35,267	6,847
1984	709,383	307,376	357,778	37,444	6,785
1985	713,866	308,221	359,303	39,915	6,427
1986	684,298	282,192	354,892	41,760	5,454

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