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YEARBOOK OF STATISTICS SINGAPORE 1981/82

CHIEF STATISTICIAN
DEPARTMENT OF STATISTICS
SINGAPORE

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PREFACE

The Yearbook of Statistics, Singapore, 1981/82 is the fifteenth edition. The Yearbook gathers together, in a concise and convenient form, important statistical series available on the demographic, economic and social characteristics of Singapore. Some general information relating to the services provided by the public sector has also been included. The contents of this Yearbook have been revised to keep abreast of the latest developments in Singapore.

The Department of Statistics also publishes the Singapore Statistical Charts, 1981/82 which highlights various socio-economic trends in Singapore in the form of coloured graphs and charts. This Yearbook together with the Singapore Statistical Charts should provide the necessary statistical reference on Singapore.

The Yearbook is prepared and edited mainly by the staff of the Publication Section of the Department of Statistics. Most of the data are obtained from series compiled 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 who have provided data for publication in this Yearbook.

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NOTATIONS

*	preliminary
-	nil or negligible
..	not available
nec	not elsewhere classified
nes	not elsewhere specified
nie	not included elsewhere

UNIT OF MEASUREMENT

Ton	=	long ton of 2,240 lb
Tonne	=	metric ton = 2,204.6 lb
kg	=	kilogram = 2.2046 lb
km	=	kilometre = 0.6214 mile
mm	=	millimetre = 0.03937 in
kl	=	kilolitre = 219.976 gal
cu m	=	cubic metre = 1.30795 cu yd

INDICATORS OF ECONOMIC DEVELOPMENT

Key Indicators											
Indicator	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
1.1	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.2	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.3	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.4	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.5	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.6	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.7	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.8	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.9	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.10	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.11	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.12	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.13	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.14	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.15	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.16	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.17	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.18	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.19	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.20	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

Source: World Bank, 2010

ECONOMIC INDICATORS

Year	National Income									Industrial Production ¹	
	Gross National Product	Per Capita Indigenous Gross National Product	Gross National Saving	Gross Domestic Capital Formation	Gross Domestic Product	Gross Domestic Fixed Capital Formation	Consumption Expenditure			Output	Index of Production (1978=100)
							Total	Public	Private		
	At Current Market Prices				At 1968 Market Prices						
	\$ Million	\$	\$ Million								
1971	6,813.3	2,761	1,252.7	2,744.1	6,276.7	2,101.8	5,116.4	786.3	4,330.1	5,288.8	51.2
1972	8,135.2	3,206	1,962.0	3,354.4	7,119.7	2,411.3	5,613.8	891.2	4,722.6	6,126.7	60.8
1973	9,981.2	3,849	2,725.0	4,000.0	7,941.3	2,614.5	6,040.1	940.1	5,100.0	8,705.6	71.0
1974	12,255.4	4,491	3,076.3	5,592.0	8,445.2	2,884.1	6,377.2	941.1	5,436.1	14,237.0	73.9
1975	13,345.1	4,798	3,406.3	5,034.6	8,790.3	2,766.3	6,595.1	966.9	5,628.2	13,197.4	73.2
1976	14,374.6	5,148	3,985.3	5,492.2	9,447.4	2,908.6	6,997.8	1,015.3	5,982.5	16,175.0	82.0
1977	15,778.9	5,681	4,550.8	5,338.5	10,193.2	2,952.2	7,482.1	1,108.9	6,373.2	18,293.5	89.6
1978	17,462.3	5,921	4,940.2	6,343.7	11,074.0	3,261.8	8,114.2	1,252.4	6,861.8	20,492.3	100.0
1979	19,615.7	6,650	5,670.4	7,850.1	12,114.1	3,601.2	8,618.5	1,234.9	7,383.6	26,331.0	115.1
1980	22,846.0	7,501	6,605.4	10,015.2	13,357.4	4,289.0	9,383.4	1,357.5	8,025.9	32,805.8	129.2
1981*	26,389.1	8,672	7,854.4	11,552.5	14,685.7	4,816.1	10,116.0	1,415.9	8,700.1	37,080.9	141.6

1 Establishments engaging 10 or more workers.

GROWTH RATES IN ECONOMIC INDICATORS

Per Cent

		National Income								Industrial Production	
Year	Gross National Product	Per Capita Indigenous Gross National Product	Gross National Saving	Gross Domestic Capital Formation	Gross Domestic Product	Gross Domestic Fixed Capital Formation	Consumption Expenditure			Output	Index of Production (1978=100)
							Total	Public	Private		
	At Current Market Prices					At 1968 Market Prices					
1971	16.2	14.8	10.9	22.3	12.5	22.8	12.6	17.0	11.8	14.3	19.1
1972	19.4	16.1	56.6	22.2	13.4	14.7	9.7	13.3	9.1	15.8	18.8
1973	22.7	20.1	38.9	19.2	11.5	8.4	7.6	5.5	8.0	42.1	16.8
1974	22.8	16.7	12.9	39.8	6.3	10.3	5.6	0.1	6.6	63.5	4.1
1975	8.9	6.8	10.7	-10.0	4.1	-4.1	3.4	2.7	3.5	-7.3	-0.9
1976	7.7	7.3	17.0	9.1	7.5	5.1	6.1	5.0	6.3	22.6	12.0
1977	9.8	10.6	14.2	-2.8	7.9	1.5	6.9	9.2	6.5	13.1	9.3
1978	10.7	4.2	8.6	18.8	8.6	10.5	8.4	12.9	7.7	12.0	11.6
1979	12.3	12.3	14.8	23.7	9.4	10.4	6.2	-1.4	7.6	28.5	15.1
1980	16.5	12.8	16.5	27.6	10.3	19.1	8.9	9.9	8.7	24.6	12.3
1981*	15.5	15.6	18.9	15.3	9.9	12.3	7.8	4.3	8.4	13.0	9.6

ECONOMIC INDICATORS (continued)

Year	Building and Construction			Utilities			External Trade				
	Floor Area of			Electricity Production	Gas Production	Water Consumption	Total	Imports	Exports		
	Buildings Commenced	Buildings Under Con- struction	Buildings Completed						Total Exports	Domestic Exports	Re-exports
Thousand Square Metres			Million Kilowatt Hours		Million Cubic Metres	\$ Million					
1971	4,611	6,033	2,198	2,585.3	299.5	161.0	14,035.3	8,664.0	5,371.3	2,373.4	2,997.9
1972	4,276	7,261	3,049	3,143.6	320.9	175.5	15,687.4	9,538.0	6,149.4	3,101.0	3,048.4
1973	4,183	7,939	3,505	3,719.4	344.7	174.9	21,419.7	12,512.9	8,906.8	4,412.2	4,494.6
1974	4,649	8,674	3,913	3,864.3	391.1	176.5	34,559.5	20,404.9	14,154.6	8,413.6	5,741.0
1975	6,952	10,591	5,035	4,176.0	432.4	192.7	32,028.3	19,270.4	12,757.9	7,540.4	5,217.5
1976	5,359	10,721	5,228	4,604.9	457.1	199.5	38,670.4	22,404.5	16,265.9	9,362.4	6,903.5
1977	5,503	11,043	5,182	5,114.7	487.5	211.8	45,612.2	25,521.9	20,090.3	11,651.8	8,438.5
1978	4,829	10,141	5,732	5,898.0	539.0	225.6	52,586.8	29,601.3	22,985.5	13,226.2	9,759.3
1979	5,358	10,959	4,541	6,447.9	597.1	239.5	69,274.5	38,334.4	30,940.1	18,200.4	12,739.7
1980	5,652	11,917	4,693	6,940.4	614.1	258.1	92,797.1	51,344.8	41,452.3	25,805.2	15,647.1
1981	9,436	17,018	4,337	7,442.0	625.6	278.2	102,538.8	58,248.0	44,290.8	29,452.0	14,838.8

GROWTH RATES IN ECONOMIC INDICATORS (continued)

Per Cent

Year	Building and Construction			Utilities			External Trade				
	Floor Area of			Electricity Production	Gas Production	Water Consumption	Total	Imports	Exports		
	Buildings Commenced	Buildings Under Con- struction	Buildings Completed						Total Exports	Domestic Exports	Re-exports
1971	85.9	66.7	20.8	17.2	13.2	-2.7	14.2	15.0	12.9	29.5	2.5
1972	-7.3	20.4	38.7	21.6	7.1	9.0	11.8	10.1	14.5	30.7	1.7
1973	-2.2	9.3	15.0	18.3	7.4	-0.3	36.5	31.2	44.8	42.3	47.4
1974	11.1	9.3	11.6	3.9	13.5	0.9	61.3	63.1	58.9	90.7	27.7
1975	49.5	22.1	28.7	8.1	10.6	9.2	-7.3	-5.6	-9.9	-10.4	-9.1
1976	-22.9	1.2	3.8	10.3	5.7	3.5	20.7	16.3	27.5	24.2	32.3
1977	2.7	3.0	-0.9	11.1	6.7	6.2	18.0	13.9	23.5	24.5	22.2
1978	-12.2	-8.2	10.6	15.3	10.6	6.5	15.3	16.0	14.4	13.5	15.7
1979	11.0	8.1	-20.8	9.3	10.8	6.2	27.9	29.5	34.6	37.6	30.5
1980	5.5	8.7	3.3	7.6	2.8	7.8	34.0	33.9	34.0	41.8	22.8
1981	66.9	42.8	-7.6	7.2	1.9	7.8	10.5	13.4	6.8	14.1	-5.2

ECONOMIC INDICATORS (continued)

Year	Transport and Telecommunication								Balance of Payments		
	Seaborne Cargo Handled			Airborne Cargo Handled			Outgoing Telex Calls	International Telephone Calls ²	Current Account Balance	Capital Account Balance ³	Overall Balance
	Total	Loaded	Discharged	Total	Loaded	Discharged					
	Thousand Freight Tonnes			Tonnes			Thousand		\$ Million		
1971	49,622.3	19,867.5	29,754.8	25,706	15,401	10,305	204	350	-2,205.4	3,180.2	974.8
1972	57,064.2	21,412.4	35,651.8	30,529	17,431	13,098	356	431	-1,392.4	2,337.4	945.0
1973	61,268.9	22,702.0	38,566.9	41,570	22,717	18,853	572	577	-1,275.0	2,280.2	1,005.2
1974	60,452.5	22,738.9	37,713.6	58,129	34,286	23,843	975	707	-2,515.7	3,234.1	718.4
1975	52,099.2	19,067.2	33,032.0	66,087	39,811	26,276	1,662	843	-1,628.3	2,594.7	966.4
1976	57,976.5	20,273.4	37,703.1	76,612	45,181	31,431	2,330	1,077	-1,506.9	2,244.3	737.4
1977	64,118.6	24,284.8	39,833.8	88,503	53,142	35,361	3,056	1,301	-787.7	1,551.0	763.3
1978	73,339.2	28,506.7	44,832.5	123,093	64,359	58,734	3,977	1,760	-1,403.5	2,915.0	1,511.5
1979	79,812.8	31,388.4	48,424.4	158,087	79,786	78,301	5,385	2,490	-2,179.7	3,317.0	1,137.3
1980	80,962.5	32,412.5	48,550.0	181,775	91,062	90,713	7,354	3,535	-3,409.8	4,843.6	1,433.8
1981	87,343.8	33,745.1	53,598.7	197,103	96,172	100,931	9,563	5,058	-3,698.1*	5,636.5*	1,938.4*

2 Exclude calls to Peninsular Malaysia.

3 Include balancing item.

GROWTH RATES IN ECONOMIC INDICATORS (continued)

Per Cent

Year	Transport and Telecommunication								Balance of Payments		
	Seaborne Cargo Handled			Airborne Cargo Handled			Outgoing Telex Calls	International Telephone Calls	Current Account Balance	Capital Account Balance	Overall Balance
	Total	Loaded	Discharged	Total	Loaded	Discharged					
1971	14.0	22.2	9.1	22.0	20.1	25.0	50.0	37.3	-26.0	37.3	72.6
1972	15.0	7.8	19.8	18.8	13.2	27.1	74.5	23.1	36.9	-26.5	-3.1
1973	7.4	6.0	8.2	36.2	30.3	43.9	60.7	33.9	8.4	-2.4	6.4
1974	-1.3	0.2	-2.2	39.8	50.9	26.5	70.5	22.5	-97.3	41.8	-28.5
1975	-13.8	-16.1	-12.4	13.7	16.1	10.2	70.5	19.2	35.3	-19.8	34.5
1976	11.3	6.3	14.1	15.9	13.5	19.6	40.2	27.8	7.5	-13.5	-23.7
1977	10.6	19.8	5.7	15.5	17.6	12.5	31.2	20.8	47.7	-30.9	3.5
1978	14.4	17.4	12.5	39.1	21.1	66.1	30.1	35.3	-78.2	87.9	98.0
1979	8.8	10.1	8.0	28.4	24.0	33.3	35.4	41.5	-55.3	13.8	-24.8
1980	1.4	3.3	0.3	15.0	14.1	15.9	36.6	42.0	-56.4	46.0	26.1
1981	7.9	4.1	10.4	8.4	5.6	11.3	33.0	43.1	-8.5*	16.4*	35.2*

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 ⁴	Prime Lending Rate	12 Months' Deposit Rate	Total Assets/Liabilities		
	\$ Million	Months		\$ Million			Per Cent	Per Annum	US\$ Million	\$ Million	
1971	1,759.9	4,094.8	5.67	6,062.9	3,745.8	3,169.7	8.00	6.00	1,062.8	..	..
1972	2,384.8	4,929.9	6.20	8,190.9	4,736.7	4,292.8	7.50	5.75	2,976.1	..	126.6
1973	2,632.7	5,800.1	5.56	10,719.3	5,799.8	6,271.2	9.00	7.25	6,277.2	..	370.3
1974	2,858.8	6,502.9	3.82	12,404.8	6,585.8	6,930.4	10.25	9.00	10,357.3	1,422.3	436.0
1975	3,472.2	7,486.0	4.66	14,416.6	7,606.0	7,829.3	7.08	5.79	12,597.4	1,839.7	493.7
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	6,134.7	13,757.7	3.22	33,316.1	16,035.0	20,206.8	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	85,852.0	19,279.7	1,603.8

⁴ Include bills financing.

GROWTH RATES IN ECONOMIC INDICATORS (continued)

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			
1971	11.8	32.2	20.3	17.2	16.4	..	..	172.6	..	..
1972	35.5	20.4	35.1	26.5	35.4	-6.3	-4.2	180.0	..	..
1973	10.4	17.7	30.9	22.4	46.1	20.0	26.1	110.9	..	192.5
1974	8.6	12.1	15.7	13.6	10.5	13.9	24.1	65.0	..	17.7
1975	21.5	15.1	16.2	15.5	13.0	-30.9	-35.7	21.6	29.3	13.2
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	28.6	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	57.8	45.0	68.9

ECONOMIC INDICATORS (continued)

Year	Finance Companies			ROSB	CPF	Stock Exchange		Insurance Companies			
	Deposits from Individuals and Institutions	Loans For		Amount Due To		Turnover of Stocks and Shares		Life Insurance		General Insurance	
		Hire Purchase of Motor Vehicles	Housing	Account Holders	Members	Value	Volume	Policies in Force		Net Premiums ⁵	Net Claims ⁶
								Number	Amount Insured		
\$ Million						Million Units	Number	\$ Million			
1971	553.2	87.6	124.8	91.2	987.9	934.0	578.7	79,009	812.8	84.8	27.8
1972	683.2	118.1	179.1	125.2	1,316.0	2,162.9	938.0	93,332	1,046.8	106.7	35.6
1973	853.8	179.4	266.6	170.9	1,770.6	2,436.3	613.1	111,509	1,412.1	127.9	42.2
1974	1,031.1	170.0	307.5	268.5	2,413.7	1,133.5	529.7	124,177	1,820.1	153.0	53.8
1975	1,048.4	121.3	354.6	548.4	3,234.9	1,829.9	800.4	140,041	2,237.0	171.2	60.7
1976	1,191.2	111.2	440.0	996.0	4,066.1	1,928.4	707.8	155,425	2,717.2	196.2	67.2
1977	1,305.5	169.3	431.4	1,589.0	4,954.0	1,157.6	640.2	183,099	3,323.4	209.8	87.5
1978	1,510.0	235.0	446.4	2,029.0	5,981.4	3,382.9	1,489.1	214,316	4,081.9	236.9	94.2
1979	1,812.3	364.0	551.6	2,525.2	7,515.5	2,308.9	962.6	246,657	5,162.2	274.5	113.9
1980	2,121.3	537.4	637.2	2,756.7	9,551.2	7,806.1	2,183.6	280,586	6,334.8	340.7	141.6
1981	2,942.2	628.6	763.6	3,265.9	12,149.8	13,419.1	2,734.1	..	..	..	..

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

6 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 and Institutions	Loans For		Amount Due To		Turnover of Stocks and 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		
1971	38.3	18.2	37.4	25.4	27.1	25.1	27.3	18.5	29.5	24.7	18.8
1972	23.5	34.8	43.5	37.3	33.2	131.6	62.1	18.1	28.8	25.8	28.1
1973	25.0	51.9	48.9	36.5	34.5	12.6	-34.6	19.5	34.9	19.9	18.5
1974	20.8	-5.2	15.3	57.1	36.3	-53.5	-13.6	11.4	28.9	19.6	27.5
1975	1.7	-28.6	15.3	104.2	34.0	61.4	51.1	12.8	22.9	11.9	12.8
1976	13.6	-8.3	24.1	81.6	25.7	5.4	-11.6	11.0	21.5	14.6	10.7
1977	9.6	52.2	-2.0	59.5	21.8	-40.0	-19.4	17.8	22.3	6.9	30.2
1978	15.7	38.8	3.5	27.7	20.7	192.2	132.6	17.0	22.8	12.9	7.7
1979	20.0	54.9	23.6	24.5	25.6	-31.7	-35.4	15.1	26.5	15.9	20.9
1980	17.0	47.6	15.5	9.2	27.1	238.1	126.8	13.8	22.7	24.1	24.3
1981	38.7	17.0	19.8	18.5	27.2	71.9	25.2	..	..	..	..

ECONOMIC INDICATORS (continued)

Year	Government Finance						Measures of Inflation			Tourism	
	Revenue ⁷	Expendi- ture ⁷	Public Debt			Debt Servicing Ratio	Consumer Price Index (Jun 77-May 78=100)	General Wholesale Price Index (1974=100)	Gross Domestic Product Deflator (1968=100)	Tourist Arrivals ⁸	Hotel Occupancy Rate
			Total	Domestic	External						
	\$ Million						Per Cent				Thousand
1971	1,680.6	1,519.2	2,734.0	2,487.1	246.9	0.7	62.7	..	108.7	632.1	65.4
1972	1,877.6	1,837.1	3,483.2	3,052.4	430.8	1.0	64.0	..	114.6	783.0	60.6
1973	2,426.6	2,376.5	3,757.6	3,285.3	472.3	0.6	76.5	..	128.5	984.7	67.1
1974	2,802.6	2,639.3	4,522.4	4,028.5	493.9	0.6	93.6	100.0	148.5	1,087.4	69.6
1975	3,398.6	3,256.7	5,698.1	5,155.4	542.7	0.7	96.0	98.5	152.1	1,169.3	74.7
1976	3,581.2	3,391.7	7,318.2	6,656.3	661.9	0.8	94.2	105.1	154.3	1,320.6	78.4
1977	4,083.5	3,830.9	9,132.9	8,142.7	990.2	0.8	97.2	109.9	156.7	1,506.7	83.3
1978	4,351.0	4,159.3	10,695.4	9,674.4	1,021.0	2.3	101.9	111.6	159.5	2,047.2	86.5
1979	5,232.5	4,868.3	12,401.6	11,419.8	981.8	1.3	106.0	127.7	165.7	2,247.1	85.4
1980	6,788.9	6,381.5	14,674.5	13,732.5	942.0	1.1	115.0	152.7	176.0	2,562.1	86.1
1981	8,493.8*	7,876.5*	17,138.2	16,241.8	896.4	0.8*	124.4	158.6	185.8*	2,828.9	85.7

7 Revenue and expenditure refer to the receipts and expenditure of the accounts of the Consolidated Revenue, Development Fund and Sinking Fund. Figures refer to financial year 1 April to 31 March.

8 Figures excluded Malaysian arrivals by land. For 1971-1977, 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	Expenditure	Public Debt			Consumer Price Index	General Wholesale Price Index	Gross Domestic Product Deflator	Tourist Arrivals ⁹	Hotel Occupancy Rate
			Total	Domestic	External					
1971	26.1	21.1	35.6	35.0	42.1	1.9	..	4.5	21.2	-7.5
1972	11.7	20.9	27.4	22.7	74.5	2.1	..	5.4	23.9	-7.3
1973	29.2	29.4	7.9	7.6	9.6	19.6	..	12.1	25.8	10.7
1974	15.5	11.1	20.4	22.6	4.6	22.3	..	15.6	10.4	3.7
1975	21.3	23.4	26.0	28.0	9.9	2.6	-1.5	2.4	7.5	7.3
1976	5.4	4.1	28.4	29.1	22.0	-1.9	6.7	1.4	12.9	5.0
1977	14.0	12.9	24.8	22.3	49.6	3.2	4.5	1.6	14.1	6.3
1978	6.6	8.6	17.1	18.8	3.1	4.8	1.6	1.8	21.6	3.8
1979	20.3	17.0	16.0	18.0	-3.8	4.0	14.4	3.9	9.8	-1.3
1980	29.7	31.1	18.3	20.3	-4.1	8.5	19.6	6.2	14.0	0.8
1981	25.1*	23.4*	16.8	18.3	-4.8	8.2	3.9	5.6*	10.4	0.5

9 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	Dependency Ratio ¹	Index of Ageing ²	Crude Birth Rate	Crude Death Rate	Infant Mortality Rate	Total Fertility Rate	Gross Reproduction Rate
	Thousand	Per Cent	Persons Per Square Kilometre	Per Cent		Per 1,000 Population		Per 1,000 Live-births	Per 1,000 Female Population	
1971	2,112.9	1.8	3,603	70.1	9.2	22.3	5.4	20.1	3,038	1,471
1972	2,152.4	1.9	3,671	67.4	10.0	23.1	5.4	19.2	3,048	1,473
1973	2,193.0	1.8	3,740	64.6	10.7	22.0	5.4	20.3	2,800	1,352
1974	2,229.8	1.6	3,795	62.0	11.6	19.4	5.2	16.8	2,359	1,132
1975	2,262.6	1.4	3,791	58.8	12.3	17.7	5.1	13.9	2,079	1,005
1976	2,293.3	1.4	3,809	56.0	13.3	18.7	5.1	11.6	2,111	1,018
1977	2,325.3	1.3	3,773	53.5	14.3	16.5	5.1	12.4	1,820	877
1978	2,353.6	1.2	3,819	57.0	15.4	16.8	5.1	12.6	1,795	869
1979	2,383.5	1.3	3,858	48.6	16.4	17.1	5.2	13.2	1,791	853
1980	2,413.9	1.2	3,907	46.6	17.4	17.1	5.2	11.7	1,737	840
1981	2,443.3	1.2	3,954	45.0	18.3	17.3	5.3	10.7	1,723	830

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

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

SOCIAL INDICATORS (continued)

Year	Education							
	Pupils Per Teacher		University and College Graduates	Student Enrolment Ratio ³	Literacy Rate ⁴	Passes at		Per Capita Government Expenditure on Education ⁵
	Primary	Secondary				GCE 'O' Level	GCE 'A' Level	
Number				Per Cent				\$
1971	30	23	4,096	76.4	73.3	53.3	60.7	95
1972	33	25	4,261	76.7	74.4	55.3	63.0	98
1973	29	23	4,119	77.5	75.6	55.8	60.6	121
1974	29	23	4,547	77.3	76.7	56.4	58.3	150
1975	29	23	5,189	78.9	77.9	60.2	65.6	173
1976	28	23	4,629	78.6	79.1	59.9	64.3	177
1977	28	23	5,732	78.3	80.3	61.7	61.5	179
1978	27	23	6,029	74.6	81.5	62.3	60.3	195
1979	27	21	6,576	79.3	82.8	65.1	63.4	233
1980	26	21	5,718	78.9	84.0	68.6	67.9	284
1981	26	20	6,525	81.7	84.2	70.1	61.2	403

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

4 Refers to population 10 years and over.

5 For financial year beginning 1 April.

SOCIAL INDICATORS (continued)

Year	Employment					Health			
	Labour Force (15-64 Years)	Unemployment Rate (15-64 Years)	Labour Force Participation Rate (15-64 Years)	CPF Contri- butors in Labour Force	Union Members Among Employed	Per Capita Government Expenditure on Health	Persons Per		
	Thousand		Per Cent			\$	Doctor	Dentist	Government Hospital Bed
1971	726	4.8	58.4	57.3	18.0	41	1,390	5,204	288
1972	761	4.7	59.2	70.4	23.0	47	1,457	5,276	270
1973	818	4.5	61.5	74.5	24.5	47	1,401	5,362	273
1974	836	4.0	60.2	74.5	25.4	56	1,406	5,284	283
1975	852	4.5	59.7	76.0	25.7	63	1,395	5,400	283
1976	885	4.5	60.1	76.6	26.3	64	1,345	5,296	266
1977	919	3.9	61.2	77.7	25.9	68	1,259	5,011	271
1978	975	3.6	62.6	79.9	25.2	76	1,265	4,945	277
1979	1,035	3.4	64.1	80.5	25.0	84	1,287	4,835	281
1980	1,093	3.5	66.4	79.0	23.1	96	1,222	4,977	299
1981	1,127	2.9	63.0*	83.3	20.5	120	1,168	4,877	292

SOCIAL INDICATORS (continued)

Year	Culture and Recreation				Communication			
	Daily Newspapers Circulation	Per Cent of National Library Members to Total Population		Annual Cinema Attendances	Radio and Television Licences	Telephones	Persons Per	
	Per 1,000 Population	Under 15 Years	15 Years and Over	Per Person	Per 1,000 Population		Public Bus	Private Car
1971	200	16.2	5.3	15	85	90	534	14
1972	182	17.7	5.8	17	95	102	496	13
1973	202	18.5	6.6	15	105	114	459	12
1974	190	21.4	7.7	18	113	126	467	16
1975	198	22.3	8.5	18	124	141	458	16
1976	208	23.8	9.4	17	135	163	440	17
1977	216	25.2	10.1	19	142	196	427	17
1978	227	25.9	9.4	19	150	229	401	17
1979	247	27.5	9.2	19	156	262	383	17
1980	255	28.7	10.5	17	165	291	371	16
1981	264	30.3	13.9	15	170	317	352	15

SOCIAL INDICATORS (continued)

Year	Public Housing				Utilities		Fire		Offences Against Persons and Property
	HDB Flats		Per Cent of Population Living in Public Housing		Electricity Consumption Per Person	Water Consumption Per Person	Number	Value of Pro- perty Damaged	
	Total Number	Per Cent Owner- occupied	HDB Flats	Owner- occupied HDB Flats	Kilowatt Hour	Cubic Metres		\$ Million	Per 10,000 Population
1971	126,710	29.4	37.4	11.0	1,073.8	76.2	1,984	6.2	79
1972	138,027	32.6	41.6	13.6	1,290.1	81.5	2,466	30.6	67
1973	161,312	36.4	42.7	16.2	1,506.7	79.8	1,987	7.9	70
1974	185,581	39.7	45.6	18.5	1,536.6	79.2	2,110	29.7	74
1975	211,079	42.8	50.0	21.4	1,623.5	85.2	2,384	15.1	67
1976	236,966	46.7	55.0	25.7	1,760.8	87.0	4,165	19.3	63
1977	274,048	53.0	59.0	31.3	1,938.0	91.1	3,804	18.9	71
1978	305,540	55.0	64.0	35.2	2,215.2	95.9	4,174	27.2	71
1979	328,562	58.2	66.0	38.4	2,409.8	100.5	4,983	70.4	80
1980	346,371	61.8	68.0	42.0	2,567.6	106.9	4,705	24.1	91
1981	356,291	63.4	69.0	43.7	2,726.0	113.9	5,851	85.6	107

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 has also since developed into a modern, industrialised economy and an international centre in finance, transport and communication.

The land area of Singapore is approximately 618 square kilometres, comprising the main island which measures about 42 kilometres from east to west and 23 kilometres from north to south and a number of islets scattered off the north-east and south of the main island.

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 average maximum temperature is around 31°C and the minimum 24°C. The average humidity is around 85 per cent and the general pattern all the year round is that of relatively hot days followed by cool nights. The island generally has rainfall throughout the year but is particularly wet during the Northeast Monsoon season from November to January.

Land Use

Of the total land area, about 47 per cent has been developed for residential, commercial and industrial usage and another 12 per cent used for agriculture. The balance which account for 41 per cent of the total land area consists of cultivable waste, forest reserves, marsh and other non-built up areas.

Air Pollution

The Anti-Pollution Unit monitors the quality of ambient air through 14 stations located in urban, industrial and rural areas. Total acidity, smoke, dust fallout

and oxides of nitrogen are some of the pollutants commonly monitored. Results show that air pollution levels in Singapore are within acceptable air quality standards. Air pollution levels tend to be higher in the urban and industrial areas than in the rural areas. Meteorological conditions also affect air pollution levels significantly. Generally, air pollution levels are lower during the rainy periods of the year (North East Monsoon) when pollutants in the air are washed out by the rain. They increase during the inter-monsoon periods during April-May and October-November as the low winds and calm air then do not favour the dispersion of air pollutants.

1.1 TEMPERATURE AND RAINFALL

Year	Mean Temperature (°C)		Mean Relative Humidity at 1.30 pm (%)	Rainfall			Bright Sunshine Daily Mean Hours
	Maximum	Minimum		Total (mm)	Maximum in a Day (mm)	Number of Rainy Days	
1971	30.6	23.2	72	1,608	87	170	5.2
1972	30.8	23.5	71	1,809	76	157	5.9
1973	30.5	23.5	75	2,956	128	218	4.8
1974	30.3	23.1	72	2,066	69	175	5.4
1975	30.4	23.3	74	1,928	71	195	5.3
1976	30.7	23.3	70	2,168	84	161	6.0
1977	30.9	23.7	71	1,776	94	141	5.7
1978	31.0	23.8	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

Source: Meteorological Services Department

1.2 LAND USE

Square Kilometres

Year	Total	Built-up Area ¹	Farm Holding Area ²	Cultivable Waste	Forest	Marsh and Tidal Waste	Others ³
1971	586.4	191.3	133.6	95.8	32.4	32.4	100.9
1972	586.4	193.2	130.1	95.8	32.4	32.4	102.5
1973	586.4	198.9	119.5	95.8	32.4	32.4	107.4
1974	587.6	216.8	115.4	95.8	32.4	32.4	94.8
1975	596.8	228.4	105.9	95.8	32.4	32.4	101.9
1976	602.0	243.4	103.7	95.8	32.4	32.4	94.3
1977	616.3	264.3	102.8	95.8	32.4	26.7	94.3
1978	616.3	266.5	100.6	95.8	32.4	26.7	94.3
1979	617.8	267.9	89.7	95.0	30.0	26.4	108.8
1980	617.8	275.1	80.9	95.0	30.0	26.0	110.8
1981	617.9	288.6	74.9	91.4	28.6	22.4	112.0

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 Fallout Levels		
	Urban	Industrial	Rural	Urban	Industrial	Rural	Urban	Industrial	Rural	Urban	Industrial	Rural
	Microgram per cubic metre at normal temperature and pressure									Grams per square metre per month		
1974	65	60	37	48	22	22	68	-	39	0.78	1.21	0.90
1975	74	60	32	45	23	20	68	-	40	0.42	0.85	0.33
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	32	32	22	28	19	20	56	41	38	0.86	1.11	0.68

Source: Anti-Pollution Unit

2. DEMOGRAPHY

Population Census

Singapore conducted its first population census in 1871 and subsequent censuses at ten-year intervals till the outbreak of World War II. In the pre-war censuses, Singapore was included as part of the Straits Settlements and later of Malaya. Separate censuses for Singapore were carried out in 1947, 1957, 1970 and 1980.

The latest population census was carried out in June 1980. During this census, a total of 2,413.9 thousand persons were enumerated compared with 2,074.5 thousand persons in 1970. Population density per square kilometre rose from 3,538 persons in 1970 to 3,907 persons in 1980.

The census data generally referred to all persons enumerated in Singapore at the time of the census

including persons in fishing keelongs, on board ships and boats. They excluded non-locally domiciled services personnel and their families, 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, which were based on the 1970 census data, and estimates of natural increase were revised to include migration deduced from the 1980 census data. Mid-year population estimates for 1981 exclude migration.

Births and Deaths

Under the Registration of Births and Deaths Act, a birth must be registered within 42 days and a death within 3 days of occurrence.

Registration facilities for births are available at the Registry of Births and Deaths, gazetted maternal and child health clinics and all government maternity hospitals. Deaths are registered at the Registry of Births and Deaths, government and military hospitals and certain police stations. The registration system is comprehensive and the records of vital statistics are virtually complete.

There has been a marked decline in the crude birth rate, from 22.3 per thousand population in 1971 to 17.3 per thousand in 1981. The crude death rate, on the other hand, has remained stable; between 5.0 and 5.4 per thousand during the same period.

Fertility Rates

The age-specific fertility rate refers to the number of births attributable to mothers of a specific age group per one thousand fe-

males in that age group. The rates for all the age groups declined during the period 1971-1981. The steepest declines occurred in age groups 25-29 and 20-24 years where the age specific fertility rate fell from 212.6 and 138.3 in 1971 to 136.3 and 80.3 respectively in 1981. The two extreme age groups, namely the 15-19 years and 45-49 years showed the least declines as their fertility rates had been low to begin with.

The total fertility rate is derived by aggregating the age-specific fertility rates of females in each of the reproductive ages. This provides an indication of the average number of children a woman would bear during the whole of her reproductive life span on the basis of the existing fertility pattern. The gross reproduction rate is similarly computed on the basis of female births only. The total fertility rate fell from 3,038 per thousand in 1971 to 1,723 per thousand in 1981.

Marriages

Registration of all 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.

The average age of grooms and brides married under the Women's Charter increased from 27.9 years and 24.2 years to 28.0 years and 24.9 years respectively during the period 1971-1981.

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.

The average age of grooms married under the Muslim Law Act increased slightly from 27.1 years in 1971 to 27.4 years in 1981 while that of brides increased from 22.0 to 23.9 years during the same period.

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													
1971	2,112.9	1,081.2	1,031.7	161.3	155.0	812.1	799.0	87.6	58.7	20.2	19.0	1.8	1,048
1972	2,152.4	1,101.1	1,051.3	164.2	157.0	828.4	815.0	87.6	59.7	20.9	19.6	1.9	1,047
1973	2,193.0	1,121.4	1,071.6	167.1	159.0	845.1	831.7	87.6	60.8	21.6	20.1	1.8	1,046
1974	2,229.8	1,139.7	1,090.1	169.5	160.7	860.2	846.9	87.7	61.7	22.3	20.8	1.6	1,046
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

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

2.2 POPULATION ESTIMATES BY AGE GROUP AND ETHNIC GROUP, 1971

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	2,112.9	1,081.2	1,031.7	316.3	161.3	155.0	1,611.1	812.1	799.0	146.3	87.6	58.7	39.2	20.2	19.0
0 - 4	228.2	117.2	111.0	41.3	20.8	20.5	167.3	86.4	80.9	15.1	7.7	7.4	4.5	2.3	2.2
5 - 9	276.7	141.6	135.1	52.9	26.9	26.0	200.7	103.1	97.6	18.9	9.5	9.4	4.2	2.1	2.1
10 - 14	292.2	150.6	141.6	48.6	24.7	23.9	220.2	113.7	106.5	19.5	10.2	9.3	3.9	2.0	1.9
15 - 19	256.0	131.1	124.9	38.2	19.3	18.9	199.2	102.3	96.9	15.4	8.0	7.4	3.2	1.5	1.7
20 - 24	220.1	111.9	108.2	29.2	14.5	14.7	174.9	89.3	85.6	12.6	6.5	6.1	3.4	1.6	1.8
25 - 29	132.4	66.7	65.7	16.8	8.1	8.7	104.8	52.9	51.9	7.7	4.2	3.5	3.1	1.5	1.6
30 - 34	140.3	70.4	69.9	18.6	8.8	9.8	109.4	55.1	54.3	8.9	4.8	4.1	3.4	1.7	1.7
35 - 39	115.7	59.2	56.5	16.8	8.0	8.8	86.6	43.6	43.0	9.3	5.9	3.4	3.0	1.7	1.3
40 - 44	104.8	55.4	49.4	15.9	8.6	7.3	75.4	37.2	38.2	10.8	8.1	2.7	2.7	1.5	1.2
45 - 49	83.4	44.9	38.5	12.5	7.2	5.3	58.5	28.3	30.2	10.0	8.0	2.0	2.4	1.4	1.0
50 - 54	72.7	38.8	33.9	9.4	5.5	3.9	53.8	25.9	27.9	7.7	6.3	1.4	1.8	1.1	0.7
55 - 59	64.9	33.8	31.1	6.0	3.4	2.6	52.7	25.7	27.0	4.9	4.0	0.9	1.3	0.7	0.6
60 - 64	51.8	26.5	25.3	4.8	2.6	2.2	43.2	21.0	22.2	2.9	2.4	0.5	0.9	0.5	0.4
65 - 69	34.4	16.8	17.6	2.5	1.4	1.1	29.9	14.0	15.9	1.4	1.1	0.3	0.6	0.3	0.3
70 & Over	39.3	16.3	23.0	2.8	1.5	1.3	34.5	13.6	20.9	1.2	0.9	0.3	0.8	0.3	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	49.9	50.0	49.7	57.2	56.9	57.6	48.9	49.9	47.8	47.1	40.4	57.1	40.3	39.1	41.6
20 - 39	28.8	28.5	29.1	25.7	24.4	27.1	29.5	29.7	29.4	26.3	24.4	29.1	32.9	32.2	33.7
40 - 59	15.4	16.0	14.8	13.9	15.3	12.3	14.9	14.4	15.4	22.8	30.2	11.9	20.9	23.3	18.4
60 & Over	5.9	5.5	6.4	3.2	3.4	3.0	6.7	6.0	7.4	3.8	5.0	1.9	5.9	5.4	6.3

2.3 POPULATION ESTIMATES BY AGE GROUP AND ETHNIC GROUP, 1981

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	2,443.3	1,246.3	1,197.0	357.0	184.7	172.3	1,876.9	945.5	931.4	156.5	88.7	67.8	52.9	27.4	25.5
0 - 4	194.8	101.4	93.4	31.1	16.1	15.0	147.4	76.9	70.5	11.1	5.7	5.4	5.2	2.7	2.5
5 - 9	218.4	113.0	105.4	33.6	17.3	16.3	168.1	87.1	81.0	11.7	6.0	5.7	5.0	2.6	2.4
10 - 14	228.3	117.3	111.0	38.2	19.3	18.9	170.8	88.2	82.6	14.8	7.6	7.2	4.5	2.2	2.3
15 - 19	279.7	143.8	135.9	50.8	26.4	24.4	206.5	106.0	100.5	18.7	9.6	9.1	3.7	1.8	1.9
20 - 24	300.2	155.3	144.9	48.8	25.9	22.9	227.1	116.5	110.6	20.0	11.0	9.0	4.3	1.9	2.4
25 - 29	263.5	134.6	128.9	37.6	19.5	18.1	204.8	104.2	100.6	16.3	8.8	7.5	4.8	2.1	2.7
30 - 34	226.7	115.2	111.5	28.2	14.3	13.9	178.6	90.5	88.1	13.2	7.0	6.2	6.7	3.4	3.3
35 - 39	135.4	69.0	66.4	15.5	7.6	7.9	106.7	54.1	52.6	7.9	4.3	3.6	5.3	3.0	2.3
40 - 44	137.7	69.4	68.3	16.6	8.0	8.6	108.4	54.5	53.9	8.7	4.6	4.1	4.0	2.3	1.7
45 - 49	110.4	56.1	54.3	15.3	7.4	7.9	84.0	42.0	42.0	8.3	5.0	3.3	2.8	1.7	1.1
50 - 54	96.6	49.9	46.7	13.6	7.1	6.5	71.8	35.1	36.7	8.9	6.3	2.6	2.3	1.4	0.9
55 - 59	73.1	38.0	35.1	10.8	6.3	4.5	53.5	25.3	28.2	7.1	5.4	1.7	1.7	1.0	0.7
60 - 64	61.3	30.7	30.6	7.7	4.5	3.2	47.6	21.8	25.8	4.9	3.8	1.1	1.1	0.6	0.5
65 - 69	49.1	23.4	25.7	4.2	2.3	1.9	41.7	18.9	22.8	2.6	1.9	0.7	0.6	0.3	0.3
70 & Over	68.1	29.2	38.9	5.0	2.7	2.3	59.9	24.4	35.5	2.3	1.7	0.6	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	37.7	38.2	37.2	43.1	42.8	43.3	36.9	37.9	35.9	36.0	32.6	40.4	34.8	33.9	35.7
20 - 39	37.9	38.0	37.7	36.4	36.4	36.4	38.2	38.6	37.8	36.7	35.1	38.8	39.9	38.0	42.0
40 - 59	17.1	17.1	17.1	15.8	15.6	16.0	16.9	16.6	17.3	21.1	24.0	17.3	20.4	23.4	17.2
60 & Over	7.3	6.7	8.0	4.7	5.2	4.3	8.0	6.9	9.0	6.2	8.3	3.5	4.9	4.7	5.1

2.4 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
1971	47,088	24,307	22,781	11,329	948	35,759	22.3	5.4	16.9	20.1
1972	49,678	25,667	14,011	11,522	954	38,156	23.1	5.4	17.7	19.2
1973	48,269	24,955	23,308	11,920	981	36,349	22.0	5.4	16.6	20.3
1974	43,268	22,479	20,787	11,674	728	31,594	19.4	5.2	14.2	16.8
1975	39,948	20,627	19,320	11,447	555	28,501	17.7	5.1	12.6	13.9
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

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

2.5 AGE SPECIFIC FERTILITY RATES AND GROSS REPRODUCTION RATES
(Per Thousand Female Population)

Age Group (Years)	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
15 - 19	25.6	25.3	24.2	20.8	16.8	16.2	13.4	11.8	11.4	12.2	11.5
20 - 24	138.3	137.4	130.5	118.9	102.1	107.2	90.3	86.8	85.1	79.9	80.3
25 - 29	212.6	218.0	199.5	172.2	154.5	160.2	138.9	140.9	139.3	137.3	136.3
30 - 34	137.6	139.2	128.4	102.9	94.9	95.9	85.2	86.8	88.4	84.5	82.0
35 - 39	68.5	66.1	57.6	42.6	36.3	33.8	28.7	26.7	27.5	27.2	28.6
40 - 44	21.9	20.9	17.4	12.7	10.0	8.1	6.9	5.3	5.5	5.7	5.4
45 - 49	3.1	2.7	2.3	1.7	1.1	0.8	0.6	0.6	1.0	0.5	0.4
Total Fertility Rate	3,038	3,048	2,800	2,359	2,079	2,111	1,820	1,795	1,791	1,737	1,723
Gross Reproduction Rate	1,471	1,473	1,352	1,132	1,005	1,018	877	869	853	840	830

2.6 LIVE-BIRTHS BY BIRTH ORDER

Birth Order	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
Number											
Total ¹	47,088	49,678	48,269	43,268	39,948	42,783	38,364	39,441	40,779	41,217	42,250
1st	14,066	15,421	16,449	16,946	14,674	17,200	16,138	16,424	17,253	17,968	18,599
2nd	11,438	12,261	12,431	11,628	12,631	13,585	12,101	12,962	13,645	13,999	14,431
3rd	7,784	8,318	7,855	6,624	6,596	7,083	6,221	6,463	6,630	6,236	6,305
4th	4,660	4,821	4,508	3,497	2,854	2,648	2,231	2,181	2,002	1,885	1,876
5th	2,757	2,923	2,407	1,733	1,299	984	745	674	601	590	522
6th & Over	6,154	5,657	4,379	2,712	1,810	1,179	879	659	538	422	438
Per Thousand											
Total ¹	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
1st	299	310	341	391	367	402	421	416	423	436	440
2nd	243	247	257	269	316	317	316	329	335	340	342
3rd	165	167	163	153	165	166	162	164	163	151	149
4th	99	97	93	81	72	62	58	55	49	46	44
5th	58	59	50	40	33	23	19	17	15	14	12
6th & Over	131	114	91	63	45	28	23	17	13	10	10

1 Total includes birth order not stated.

2.7 AGE SPECIFIC DEATH RATES
(Per Thousand Population)

Age Group (Years)	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
Total	5.4	5.4	5.4	5.2	5.1	5.1	5.1	5.1	5.2	5.2	5.3
0 - 4	5.0	5.1	5.2	4.0	3.1	2.8	2.8	3.0	3.3	3.1	2.9
5 - 9	0.5	0.4	0.6	0.5	0.3	0.4	0.4	0.3	0.3	0.2	0.3
10 - 14	0.4	0.4	0.5	0.4	0.4	0.4	0.3	0.3	0.4	0.3	0.3
15 - 19	0.9	0.9	0.8	0.6	0.5	0.6	0.7	0.7	0.7	0.6	0.7
20 - 24	1.1	1.1	1.1	1.0	1.0	0.9	0.8	1.0	0.8	1.0	0.8
25 - 29	1.2	1.1	1.2	1.1	1.1	1.0	1.0	1.1	1.0	0.9	1.0
30 - 34	1.3	1.3	1.3	1.4	1.5	1.2	1.1	1.4	1.0	1.1	1.1
35 - 39	2.2	1.9	1.9	1.9	1.9	1.9	1.8	1.7	1.6	1.5	1.7
40 - 44	3.8	3.3	3.6	3.1	3.4	2.9	2.9	2.8	2.9	2.5	2.5
45 - 49	5.9	5.9	5.5	5.7	5.7	5.2	4.8	5.0	4.7	4.9	4.8
50 - 54	10.2	10.0	9.3	9.5	9.2	8.9	9.3	8.3	8.7	7.9	8.9
55 - 59	15.7	15.2	15.6	14.7	14.8	14.5	14.9	13.8	14.3	13.6	13.6
60 - 64	26.5	26.1	25.6	24.4	21.8	23.1	24.0	22.1	22.9	22.2	21.9
65 - 69	41.5	40.2	40.4	36.3	37.8	36.3	36.9	35.9	34.6	34.8	34.0
70 & Over	83.1	81.0	81.5	82.8	78.4	80.7	79.5	77.7	79.4	76.8	76.2

2.8 DEATHS BY BROAD GROUPS OF CAUSES

Number

Cause of Death	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
All Causes	11,522	11,920	11,674	11,447	11,648	11,955	12,065	12,468	12,505	12,863
Infective & Parasitic Diseases	752	775	714	630	554	523	502	503	425	432
of which: Tuberculosis	489	450	472	420	358	340	318	331	240	221
Neoplasms	1,821	1,912	2,002	2,123	2,278	2,326	2,415	2,542	2,623	2,672
of which: Cancer	1,773	1,863	1,955	2,083	2,245	2,286	2,386	2,488	2,561	2,616
Endocrine, Nutritional & Metabolic Diseases	271	342	377	375	408	429	403	403	359	404
of which: Diabetes	207	247	257	259	334	377	334	347	319	368
Diseases of the Blood & Blood-forming Organs	50	61	60	52	32	50	45	41	31	42
Diseases of the Nervous System & Sense Organs	171	169	149	133	129	110	114	122	131	114
Diseases of the Circulatory System	2,999	3,169	3,295	3,369	3,798	3,889	3,983	4,233	4,305	4,413
of which: Heart & Hypertensive Diseases	1,819	1,967	2,014	2,000	2,283	2,426	2,518	2,752	2,777	2,892
Cerebrovascular Disease	1,080	1,131	1,213	1,244	1,427	1,360	1,382	1,409	1,447	1,438
Diseases of the Respiratory System	1,653	1,663	1,631	1,632	1,651	1,902	1,724	2,024	1,965	2,196
of which: Pneumonia	951	950	969	948	1,010	1,215	942	1,124	1,129	1,284
Bronchitis	237	231	183	211	134	114	107	89	75	67
Diseases of the Digestive System	463	453	451	423	384	382	359	382	368	385
Diseases of the Genito-Urinary System	279	275	320	311	281	324	381	349	366	366
Congenital Anomalies	172	189	177	146	156	141	185	184	185	178
of which: Congenital Anomalies of Heart	93	94	101	76	70	70	98	105	111	109
Certain Causes of Perinatal Mortality	502	477	322	254	221	247	239	261	227	208
Accidents, Poisonings & Violence	982	995	894	887	890	914	1,057	876	899	938
of which: Motor Vehicle Accidents	370	371	282	255	257	264	299	236	250	281
Other Accidents	245	277	272	217	238	239	256	160	122	157
Suicides	235	240	229	252	257	224	266	249	271	191
Other Diseases & Causes	1,407	1,440	1,282	1,112	866	718	658	548	621	515
of which: Senility	1,101	1,108	1,064	860	679	571	505	359	403	237

Note: Deaths for 1972-78 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.

2.9 MARRIAGES REGISTERED BY ETHNIC GROUP

Number

Year	All Marriages Registered	Women's Charter					Muslim Law Act			
		Total	Chinese	Indians	Others	Inter-ethnic Group	Total	Malays	Others	Inter-ethnic Group
1971	15,650	13,179	11,854	692	203	430	2,471	1,954	159	358
1972	18,218	15,556	14,260	697	165	434	2,662	2,132	181	349
1973	25,399	22,576	21,131	824	155	466	2,823	2,229	187	407
1974	26,670	23,775	22,005	1,110	151	509	2,895	2,311	185	399
1975	23,408	20,175	18,549	923	160	543	3,233	2,522	204	507
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

2.10 MARRIAGES BY AGE GROUP OF GROOMS AND BRIDES, 1979, 1980 AND 1981

Number

Age Group (Years)	1979				1980				1981			
	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	17,250	3,677	17,250	3,677	18,412	4,032	18,412	4,032	20,166	4,429	20,166	4,429
Under 15	-	-	-	-	-	-	-	2	-	-	-	-
15 - 19	146	112	1,769	835	141	110	1,693	814	132	110	1,767	834
20 - 24	5,126	1,415	9,034	1,858	5,417	1,593	9,655	2,091	5,763	1,738	10,400	2,333
25 - 29	7,886	1,397	4,689	619	8,501	1,552	5,233	739	9,259	1,696	5,887	820
30 - 34	2,660	384	1,198	193	2,935	416	1,266	223	3,400	498	1,457	255
35 - 39	805	139	328	63	737	142	319	63	813	141	346	74
40 - 44	341	79	136	48	342	82	143	48	420	93	171	53
45 - 49	153	51	55	32	161	50	60	23	173	49	78	33
50 & Over	133	100	41	29	178	87	43	29	206	104	60	27

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

2.11 AVERAGE AGE AT MARRIAGE OF GROOMS AND BRIDES

Years

Year	All Marriages		Women's Charter		Muslim Law Act	
	Grooms	Brides	Grooms	Brides	Grooms	Brides
1971	27.8	23.8	27.9	24.2	27.1	22.0
1972	27.7	24.0	27.9	24.3	26.9	22.2
1973	27.8	24.0	27.9	24.2	26.7	22.3
1974	28.1	24.1	28.3	24.3	26.8	22.6
1975	27.3	23.9	27.4	24.1	27.0	23.0
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

2.12 AGE SPECIFIC MARRIAGE RATES, 1970, 1975-1980

Per thousand unmarried population

Age Group (In Years)	1970	1975	1976	1977	1978	1979	1980
Males							
Total (15-44)	51.6	62.1	56.1	53.2	53.2	51.7	55.0
15 - 19	1.6	2.2	1.9	1.8	1.4	1.7	1.7
20 - 24	52.4	66.9	56.8	52.2	49.2	46.7	49.9
25 - 29	173.0	184.5	168.8	150.7	148.1	137.5	140.1
30 - 34	171.7	173.8	176.2	156.7	172.3	150.1	138.0
35 - 39	113.1	137.1	109.8	126.6	136.8	118.8	106.3
40 - 44	59.5	88.8	84.1	96.1	90.7	82.8	62.8
Females							
Total (15-44)	67.3	78.3	69.3	67.1	64.5	62.3	68.9
15 - 19	19.1	25.0	21.3	19.7	17.3	17.5	18.4
20 - 24	123.8	135.5	118.9	110.1	103.2	100.0	110.5
25 - 29	192.3	163.9	142.0	143.8	139.3	120.3	136.5
30 - 34	99.1	99.0	91.2	93.6	97.9	88.5	74.3
35 - 39	46.0	70.6	57.5	57.5	58.8	41.2	43.6
40 - 44	18.1	28.9	27.4	20.9	28.5	30.6	22.0

2.13 POPULATION BY AGE GROUP AND MARITAL STATUS, 1970 AND 1980

Persons

Age Group (Years)	1970					1980				
	Total	Single	Married	Widowed	Divorced	Total	Single	Married	Widowed	Divorced
Total	2,074,507	1,301,675	679,924	85,941	6,967	2,413,945	1,379,633	918,330	99,318	16,664
0 - 4	235,456	235,456	-	-	-	193,684	193,684	-	-	-
5 - 9	280,533	280,533	-	-	-	223,883	223,883	-	-	-
10 - 14	288,847	288,449	392	6	-	235,556	235,323	233	-	-
15 - 19	246,417	240,013	6,343	23	38	287,420	283,620	3,725	24	51
20 - 24	203,735	156,303	46,925	208	299	296,192	246,245	49,259	130	558
25 - 29	132,745	46,911	84,785	431	618	253,531	113,268	138,025	530	1,708
30 - 34	136,381	21,269	112,957	1,134	1,021	211,040	40,445	166,713	1,199	2,683
35 - 39	112,895	9,084	100,427	2,278	1,106	135,767	13,026	118,738	1,769	2,234
40 - 44	100,877	5,444	89,910	4,397	1,126	131,475	9,329	116,044	3,558	2,544
45 - 49	81,746	3,762	70,845	6,310	829	107,245	5,720	93,272	6,152	2,101
50 - 54	71,223	3,479	57,725	9,354	665	93,136	3,907	77,515	9,950	1,764
55 - 59	65,365	3,583	48,097	13,140	545	71,384	2,824	55,703	11,703	1,154
60 - 64	48,923	3,081	31,110	14,395	337	59,708	2,604	41,856	14,418	830
65 - 69	33,499	2,170	17,846	13,272	211	49,310	2,431	29,882	16,476	521
70 & over	35,865	2,138	12,562	20,993	172	64,614	3,324	27,365	33,409	516

2.14 HOUSEHOLDS BY TYPE OF HOUSEHOLD AND ETHNIC GROUP OF HEAD, 1970 AND 1980

Type of Household	1970					1980				
	Total	Chinese	Malays	Indians	Others	Total	Chinese	Malays	Indians	Others
	Number									
Total	380,523	284,145	50,251	36,925	9,202	509,524	391,507	65,573	36,953	15,491
One-person	50,007	31,602	3,499	13,665	1,241	42,386	28,362	4,279	7,001	2,744
Other No Family Nucleus	13,860	9,526	849	2,955	530	18,492	12,494	1,909	3,027	1,062
One Family Nucleus	272,164	206,697	40,186	18,294	6,987	397,125	310,809	51,120	23,943	11,253
Multi-family Nuclei	44,492	36,320	5,717	2,011	444	51,521	39,842	8,265	2,982	432
	Per Cent									
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
One-person	13.1	11.1	6.9	37.0	13.5	8.3	7.2	6.5	18.9	17.7
Other No Family Nucleus	3.7	3.4	1.7	8.0	5.8	3.6	3.2	2.9	8.2	6.9
One Family Nucleus	71.5	72.7	80.0	49.5	75.9	78.0	79.4	78.0	64.8	72.6
Multi-family Nuclei	11.7	12.8	11.4	5.5	4.8	10.1	10.2	12.6	8.1	2.8

2.15 HOUSEHOLDS BY SIZE OF HOUSEHOLD AND ETHNIC GROUP OF HEAD, 1970 AND 1980

Size of Household	1970					1980				
	Total	Chinese	Malays	Indians	Others	Total	Chinese	Malays	Indians	Others
Total 1 Person 2 - 4 Persons 5 - 7 Persons 8 Or More Persons Average Size(Persons)	Number									
	380,523	284,145	50,251	36,925	9,202	509,524	391,507	65,573	36,953	15,491
	50,007	31,602	3,499	13,665	1,241	42,386	28,362	4,279	7,001	2,744
	118,276	88,949	14,660	9,646	5,021	221,007	171,390	25,221	14,696	9,700
	122,434	95,445	16,355	8,358	2,276	184,063	146,739	23,143	11,510	2,671
	89,806	68,149	15,737	5,256	664	62,068	45,016	12,930	3,746	376
	5.35	5.46	6.13	3.82	3.74	4.71	4.72	5.29	4.20	3.29
	Per Cent									
	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	13.1	11.1	7.0	37.0	13.5	8.3	7.2	6.5	18.9	17.7
2 - 4 Persons	31.1	31.3	29.2	26.1	54.6	43.4	43.8	38.5	39.8	62.6
5 - 7 Persons	32.2	33.6	32.5	22.7	24.7	36.1	37.5	35.3	31.2	17.3
8 Or More Persons	23.6	24.0	31.3	14.2	7.2	12.2	11.5	19.7	10.1	2.4

2.16 HOUSEHOLDS BY TYPE OF HOUSE AND TENANCY, 1970 AND 1980

Type of House	1970				1980			
	Total	Owners	Tenants	Others	Total	Owners	Tenants	Others
Number								
Total	374,780	110,240	242,130	22,410	509,524	280,107	201,988	27,429
Bungalows And Terrace Houses	53,750	20,860	28,370	4,520	47,319	30,908	13,333	3,078
Public Flats	125,620	26,300	97,400	1,920	343,483	200,683	135,572	7,228
Private Flats	19,200	3,110	14,170	1,920	18,122	7,573	8,455	2,094
Shophouses	40,050	2,740	35,410	1,900	28,259	3,020	23,363	1,876
Attap/Zinc-roofed Houses	121,030	56,750	55,970	8,310	62,864	37,712	18,169	6,983
Others	15,130	480	10,810	3,840	9,477	211	3,096	6,170
Per Cent								
Total	100.0	29.4	64.6	6.0	100.0	55.0	39.6	5.4
Bungalows And Terrace Houses	100.0	38.8	52.8	8.4	100.0	65.3	28.2	6.5
Public Flats	100.0	21.0	77.5	1.5	100.0	58.4	39.5	2.1
Private Flats	100.0	16.2	73.8	10.0	100.0	41.8	46.7	11.5
Shophouses	100.0	6.8	88.4	4.8	100.0	10.7	82.7	6.6
Attap/Zinc-roofed Houses	100.0	46.9	46.2	6.9	100.0	60.0	28.9	11.1
Others	100.0	3.2	71.4	25.4	100.0	2.2	32.7	65.1

2.17 CENSUS HOUSES BY TYPE OF HOUSE, 1970 AND 1980

Type Of House	1970		1980		Changes 1970 - 1980	
	Number	Per Cent	Number	Per Cent	Number	Per Cent
Total	305,833	100.0	467,142	100.0	161,309	52.7
Bungalows and Terrace Houses	39,676	13.0	43,538	9.3	3,862	9.7
Public Flats	120,138	39.3	337,198	72.2	217,060	180.7
Private Flats	10,008	3.3	16,321	3.5	6,313	63.1
Shophouses	19,806	6.5	13,453	2.9	-6,353	-32.1
Attap/Zinc-roofed Houses	104,188	34.0	50,313	10.8	-53,875	-51.7
Others	12,017	3.9	6,319	1.3	-5,698	-47.4

3. LABOUR AND EMPLOYMENT

Labour Force

Data on labour force prior to 1973 (Table 3.1) were estimated using bench-mark data obtained in the 1972/73 Household Sample Survey and the 1970 Census of Population conducted by the Department of Statistics. The 1973 data were based on the Labour Force Sample Survey conducted by the Department of Statistics.

Data for 1974 to 1979 and 1981 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.

The main terms used in the data

on labour force are defined as follows :

Employed Persons: Persons aged ten years and over 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 aged ten years and over 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 Inactive Persons: Persons aged ten years and over 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.

The classification of industries used in the 1980 Census was based on the Singapore Standard Industrial Classification, 1978 and the occupational groups used were based on the Singapore Standard Occupational Classification, 1978.

Employment Service

The Employment Service Department of the Ministry of Labour provides free services for persons seeking employment as well as assists employers to recruit workers.

Registration for employment assistance at the Service is voluntary. Registrants are required to inform the Service within seven days upon securing employment. They are expected to renew their registration every six months if they are still unemployed. Those who do not renew their registration or could not be located are taken off the 'live' register. In addition, the Employment Service checks all registrants' employment status using employment records maintained by the Central Provident Fund (CPF) Board. Registrants (Singapore citizens and permanent residents) found to be holding jobs are similarly removed from the 'live' register.

Weekly Earnings and Hours Worked

Data on weekly earnings and hours worked are based on information supplied by establishments in the Weekly Hours and Earnings Surveys conducted by the Research and Statistics Division of the Ministry of Labour.

The main terms used in the survey 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 but exclude payments-in-kind, payroll tax and the employers' CPF contributions.

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

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/among 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.

Central Provident Fund

The Central Provident Fund, es-

established in 1955, is a compulsory savings scheme to provide workers in Singapore with monetary benefits when they attained the age of 55 years or become permanently disabled. Non-citizens are permitted to withdraw their funds when they leave Singapore and Peninsular Malaysia permanently with no intention to return. Members can also use their CPF savings to purchase houses under the various approved public and private residential housing schemes, and shares of Singapore Bus Services (1978) Ltd. With effect from 1 Jan 1982, members who are covered by Home

Protection Insurance Scheme can use their CPF savings to pay for the insurance premiums. Employers are required to pay monthly contributions to the Fund for every employee. However, it is not mandatory for certain categories of persons such as employers, self-employed persons, and unpaid family workers to be a member of the scheme.

The rates of contribution payable to the Fund from 1 July 1981 for employment in the private sector are shown as follows :-

Total Amount of Employee's Wages for the Calendar Month (1)	Contribution for the Calendar Month Payable by the Employer (2)	Amount Recoverable by the Employer from the Employee's Wages for the Calendar Month (3)
Not exceeding \$50	Nil	Nil
Exceeding \$50 but not exceeding \$200	An amount equal to 20.5% of the total amount of the employee's wages for the month.	Nil

Total Amount of Employee's Wages for the Calendar Month (1)	Contribution for the Calendar Month Payable by the Employer (2)	Amount Recoverable by the Employer from the Employee's Wages for the Calendar Month (3)
Exceeding \$200 but not exceeding \$363	An amount equal to the sum of - a 27.5% 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 7% 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 42.5% of the employee's ordinary wages for the month, subject to a maximum of \$1,275; and	An amount equal to the sum of - a 22% of the employee's ordinary wages for the month, subject to a maximum of \$660; and

Total Amount of Employee's Wages for the Calendar Month (1)	Contribution for the Calendar Month Payable by the Employer (2)	Amount Recoverable by the Employer from the Employee's Wages for the Calendar Month (3)
	b 42.5% of the amount of additional wages payable to the employee in the month.	b 22% of the amount of additional wages payable to the employee in the month.

The whole of the contribution shown in column (2) is payable by the employer but the employer is entitled, where applicable, to deduct from his employee's wages the amount shown in column (3) as the employee's share of the contribution.

For employees earning more than \$200 a month, a portion of the

CPF contribution equivalent to 4 per cent of their wages are credited into the members' special accounts. For those earning more than \$50 but not more than \$200, the corresponding portion is 1.25 per cent. Money in the special account cannot be used by members to purchase houses under the various housing schemes or to purchase shares of Singapore Bus Service (1978) Ltd.

3.1 LABOUR FORCE

Mid-year	Population			Labour Force			Participation Rate	Unemployment Rate
	Total	Males	Females	Total	Employed	Unemployed		
	Thousand						Per Cent	
1971	1,242.3	638.8	603.5	726	691	35	58.4	4.8
1972	1,286.9	661.0	625.9	761	725	36	59.2	4.7
1973	1,330.2	682.8	647.4	818	781	37	61.5	4.5
1974	1,389.6	700.1	689.5	836	803	33	60.2	4.0
1975	1,427.7	724.9	702.8	852	813	39	59.7	4.5
1976	1,473.0	744.2	728.8	885	845	40	60.1	4.5
1977	1,502.2	761.9	740.3	919	883	36	61.2	3.9
1978	1,558.1	785.4	772.7	975	940	35	62.6	3.6
1979	1,614.8	815.9	798.9	1,035	1,000	35	64.1	3.4
1980 ¹	1,646.9	843.0	803.9	1,093	1,054	39	66.4	3.5
1981	1,684.6	862.0	822.6	1,146	1,113	33	63.0	2.9

Note: Data covers persons aged 15-64 years. However, data on labour force for 1981 refers to persons aged 15 years and over.

Source: Ministry of Labour

1 Census of Population, 1980.

3.2 ECONOMICALLY ACTIVE PERSONS AGED 10 YEARS AND OVER BY HIGHEST QUALIFICATION AND SEX, 1970 AND 1980

Highest Qualification	1970			1980		
	Total	Males	Females	Total	Males	Females
	Number					
Total	68,313	50,776	17,537	1,115,958	730,606	385,352
Below Secondary	57,059	43,569	13,490	810,573	550,202	260,371
Secondary/Upper Secondary	9,450	5,765	3,685	265,906	151,794	114,112
Tertiary	1,527	1,223	304	39,479	28,610	10,869
	Per Cent					
	Total	Males	Females	Total	Males	Females
Total	100.0	100.0	100.0	100.0	100.0	100.0
Below Secondary	83.5	85.8	76.9	72.6	75.3	67.6
Secondary/Upper Secondary	13.8	11.4	21.1	23.8	20.8	29.6
Tertiary	2.2	2.4	1.7	3.6	3.9	2.8

Note: Figures for 1970 are based on sample enumeration.

3.3 PERSONS AGED 15 AND OVER BY ACTIVITY STATUS, AGE GROUP AND SEX, 1981*

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	1,819.5	909.9	909.6	1,145.9	738.1	407.8	1,112.7	717.7	395.0	33.2	20.4	12.8	673.6	171.8	501.8
15 - 19	296.6	148.0	148.6	133.9	65.3	68.6	125.8	62.2	63.6	8.1	3.1	5.0	162.7	82.7	80.0
20 - 24	306.0	156.4	149.6	263.0	144.8	118.2	252.1	137.8	114.3	10.9	7.0	3.9	43.0	11.6	31.4
25 - 29	257.1	131.1	126.0	204.2	128.2	76.0	199.2	124.6	74.6	5.0	3.6	1.4	52.9	2.9	50.0
30 - 34	221.7	112.8	108.9	161.9	111.0	50.9	159.0	109.0	50.0	2.9	2.0	0.9	59.8	1.8	58.0
35 - 39	131.8	65.1	66.7	90.4	64.3	26.1	89.1	63.4	25.7	1.3	0.9	0.4	41.4	0.8	40.6
40 - 44	140.2	67.6	72.6	93.3	66.4	26.9	91.7	65.3	26.4	1.6	1.1	0.5	46.9	1.2	45.7
45 - 49	111.0	55.8	55.2	69.5	53.6	15.9	68.2	52.6	15.6	1.3	1.0	0.3	41.5	2.2	39.3
50 - 54	102.3	50.6	51.7	57.0	45.5	11.5	56.1	44.7	11.4	0.9	0.8	0.1	45.3	5.1	40.2
55 - 59	73.5	37.7	35.8	32.6	26.9	5.7	32.2	26.6	5.6	0.4	0.3	0.1	40.9	10.8	30.1
60 & Over	179.3	84.8	94.5	40.1	32.1	8.0	39.3	31.5	7.8	0.8	0.6	0.2	139.2	52.7	86.5

Source: Ministry of Labour

3.4 AGE-SEX SPECIFIC LABOUR FORCE PARTICIPATION RATES, 1970, 1978 - 1981

Per Cent

Age Group (Years)	1970 ¹			1978			1979			1980 ¹			1981*		
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
	Per Hundred Population														
Total	56.5	82.3	29.5	60.0	79.8	40.1	61.4	80.7	41.9	63.2	81.5	44.3	63.0	81.1	44.8
15 - 19	49.5	55.7	43.0	42.3	43.1	41.4	43.6	44.0	43.1	49.1	47.5	50.7	45.1	44.1	46.1
20 - 24	73.5	92.9	53.6	82.3	91.2	73.2	84.2	91.4	76.6	86.1	93.4	78.4	85.9	92.5	79.0
25 - 29	64.5	98.0	30.8	74.8	96.6	53.1	76.7	97.8	55.3	78.3	97.2	58.7	79.4	97.8	60.3
30 - 34	60.6	98.3	22.7	67.8	98.2	36.8	69.4	98.6	40.8	71.5	97.9	44.2	73.0	98.4	46.7
35 - 39	60.2	98.4	19.3	65.4	98.4	33.4	67.7	98.9	37.7	68.0	98.0	37.1	68.6	98.8	39.1
40 - 44	60.8	98.1	17.8	64.5	98.2	30.1	64.7	98.3	31.7	65.8	97.6	33.2	66.5	98.1	37.0
45 - 49	60.0	96.2	17.5	60.6	96.4	23.7	61.1	96.2	25.6	61.8	95.7	26.5	62.6	96.0	28.8
50 - 54	55.0	88.1	17.5	55.1	89.8	20.6	57.6	92.0	19.2	56.3	89.6	20.4	55.8	89.9	22.3
55 - 59	46.2	73.9	16.2	44.3	73.2	13.8	47.2	75.7	16.2	43.6	70.7	14.5	44.4	71.4	15.9
60 - 64	35.0	55.6	13.4	33.9	55.0	12.1	34.0	55.6	12.5	31.9	52.5	11.3	33.8	54.6	12.7
65 - 69	25.3	41.2	9.8	23.8	38.7	9.6	24.7	39.6	10.7	23.5	38.6	9.5	22.4	37.0	8.5
70 - 74	14.5	25.8	5.7	15.5	25.0	7.8	17.7	28.1	7.8	15.0	25.1	6.2	14.6	24.2	6.3
75 & Over	6.3	14.4	2.1	6.8	11.2	3.8	6.3	12.2	2.4	6.6	13.3	2.5	8.3	14.9	3.9

1 Census of Population.

Source: Ministry of Labour

3.5 EMPLOYED PERSONS BY INDUSTRY, 1970, 1974-1981

Thousand

Industry	1970 ¹	1974	1975	1976	1977	1978	1979	1980 ¹	1981*
Total	650.9	824.3	833.5	870.4	903.9	958.9	1,021.0	1,077.1	1,112.7
Agriculture & Fishing	22.5	21.7	17.4	19.7	19.8	17.8	15.2	17.0	12.7
Quarrying	2.2	1.8	3.1	1.9	1.6	1.1	1.5	1.1	1.2
Manufacturing	143.1	234.2	218.1	234.0	245.5	270.6	294.7	324.1	326.1
Utilities	7.6	10.3	8.9	11.2	11.4	9.7	9.8	8.5	9.2
Construction	43.1	42.5	39.2	42.0	42.0	51.5	54.3	72.3	66.4
Trade	152.9	172.7	191.7	201.0	212.7	225.0	237.4	229.8	252.6
Transport & Communication	79.0	97.5	97.9	101.6	105.6	109.2	118.9	119.9	127.6
Financial & Business Services	23.1	46.6	50.7	56.5	59.7	64.4	72.0	79.4	84.4
Other Services	177.0	195.1	204.0	200.6	204.3	207.8	216.4	224.6	229.7
Activities Not Adequately Defined	0.4	1.9	2.5	1.9	1.3	1.8	0.8	0.4	2.8

1 Census of Population.

Note: Data for 1981 refer to employed persons aged 15 years and over.

Source: Ministry of Labour

3.6 EMPLOYED PERSONS BY OCCUPATION, 1970, 1974-1981

Thousand

Occupation	1970 ¹	1974	1975	1976	1977	1978	1979	1980 ¹	1981*
Total	650.9	824.3	833.5	870.4	903.9	958.9	1,021.0	1,077.1	1,112.7
Professional & Technical Workers	55.9	90.5	89.1	86.9	84.5	81.8	87.6	95.1	98.6
Administrative, Managerial & Executive Workers	11.4	16.9	23.3	27.7	28.0	26.4	28.2	52.2	54.8
Clerical Workers	84.2	134.5	133.4	137.4	139.1	150.6	161.5	167.5	168.3
Sales Workers	105.6	117.3	127.0	136.1	141.6	147.5	156.0	132.0	162.3
Service Workers	88.8	84.3	95.0	92.7	97.6	107.1	113.5	112.2	122.6
Agricultural Workers & Fishermen	26.9	24.5	22.9	24.0	23.2	21.0	18.2	20.9	16.6
Production, Transport & Other Manual Workers	255.0	319.9	294.2	311.0	331.2	365.7	394.5	435.0	433.3
Workers Not Classifiable by Occupation	23.1	36.4	48.6	54.6	58.7	58.8	61.5	62.2	56.2

¹ Census of Population.

Note: Data for 1981 refer to employed persons aged 15 years and over.

Source: Ministry of Labour

3.7 EMPLOYED PERSONS AGED 15 AND OVER BY INDUSTRY AND OCCUPATION, 1981*

Thousand

Occupation Industry									
	Total	Professional and Technical Workers	Administrative, Managerial and Executive Workers	Clerical Workers	Sales Workers	Service Workers	Agricultural Workers and Fishermen	Production, Transport and Other Manual Workers	Workers Not Classifiable by Occupation
Total	1,112.7	98.6	54.8	168.3	162.3	122.6	16.6	433.3	56.2
Agriculture & Fishing	12.7	0.1	0.3	0.2	-	0.1	11.7	0.3	-
Quarrying	1.2	0.1	0.1	0.2	-	-	-	0.8	-
Manufacturing	326.1	12.5	14.2	23.6	4.4	4.9	0.1	266.4	-
Utilities	9.2	1.3	0.2	3.2	-	0.3	0.2	4.0	-
Construction	66.4	4.5	7.1	3.2	0.1	0.6	0.1	50.8	-
Trade	252.6	2.9	9.4	36.3	152.8	37.2	0.1	13.9	-
Transport & Communication	127.6	10.5	5.5	36.3	0.5	6.8	0.1	67.9	-
Financial & Business Services	84.4	13.8	11.1	39.9	4.4	9.9	0.8	4.5	-
Other Services	229.7	53.0	6.8	25.4	0.2	62.8	3.4	22.0	56.1
Activities Not Adequately Defined	2.8	-	-	-	-	-	-	2.7	0.1

Source: Ministry of Labour

3.8 AVERAGE WEEKLY EARNINGS

Dollars

Industry/Occupation	1973 Jul	1974 Jul	1975 Aug	1976 Aug	1977 Aug	1978 Aug	1979 Aug	1980 Aug	1981 Aug
All Industries	82.9	97.6	111.1	116.3	124.3	131.3	142.8	161.4	184.1
Agriculture & Fishing	75.2	92.9	103.3	96.6	104.8	107.7	118.0	139.4	157.7
Quarrying	93.4	105.6	157.4	156.0	172.0	195.7	214.7	249.9	350.0
Manufacturing	68.1	78.9	92.5	96.2	102.9	109.5	118.8	134.1	156.4
Utilities	92.6	109.5	120.5	127.9	138.5	152.1	165.2	188.0	193.8
Construction	87.2	91.1	101.9	108.4	119.3	128.5	139.3	160.3	198.5
Trade	74.8	87.5	99.4	107.5	114.2	122.4	134.7	157.4	186.0
Transport & Communication	94.3	110.6	124.0	127.6	138.1	145.8	162.4	181.6	200.0
Financial & Business Services	115.7	141.0	147.5	156.4	170.0	178.9	193.8	216.3	238.5
Other Services	96.9	122.2	128.8	135.1	141.5	151.0	164.3	183.9	197.1
All Occupations	82.9	97.6	111.1	116.3	124.3	131.3	142.8	161.4	184.1
Professional, Administrative & Managerial Workers	210.6	247.8	277.9	291.4	308.0	319.7	341.9	377.9	410.9
Clerical, Sales & Service Workers	69.9	83.1	92.1	94.8	100.3	108.5	116.6	130.8	144.0
Production, Transport & Other Manual Workers	56.6	64.7	73.8	78.0	82.2	88.2	96.6	110.4	129.1

Source: Ministry of Labour

3.9 AVERAGE WEEKLY HOURS WORKED BY INDUSTRY

Industry	Hours								
	1973 Jul	1974 Jul	1975 Aug	1976 Aug	1977 Aug	1978 Aug	1979 Aug	1980 Aug	1981 Aug
All Industries	45.9	45.3	45.4	45.4	45.6	45.9	45.8	45.9	45.6
Agriculture & Fishing	43.1	42.1	42.6	44.9	44.5	44.5	43.6	43.8	43.7
Quarrying	47.8	46.2	46.6	46.4	46.8	47.7	46.2	46.9	49.5
Manufacturing	48.2	47.4	47.7	47.8	48.2	48.5	48.0	48.0	48.1
Utilities	49.7	48.0	48.8	47.8	47.8	48.1	47.9	48.2	48.0
Construction	52.9	47.3	48.0	47.5	47.1	47.4	47.1	48.1	49.3
Trade	44.7	44.5	44.5	44.3	44.3	44.2	44.2	44.1	44.1
Transport & Communication	45.8	46.2	46.6	45.4	46.6	47.2	46.7	47.1	47.4
Financial & Business Services	43.9	43.6	43.4	43.4	43.6	43.8	43.8	43.6	43.8
Other Services	41.5	42.0	41.8	42.2	42.1	41.7	42.1	42.0	39.7

Source: Ministry of Labour

3.10 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
1971	35,953	24,842	15,414	9,428	10,576	7,824	2,752	9,646	7,293	2,353
1972	34,184	18,133	11,340	6,793	9,801	7,412	2,389	7,778	6,254	1,524
1973	32,119	13,296	7,967	5,329	8,134	6,084	2,050	7,483	5,826	1,657
1974	39,262	24,570	9,469	15,101	12,530	8,269	4,261	6,710	4,778	1,932
1975	38,896	28,380	13,325	15,055	21,814	12,886	8,928	8,458	5,612	2,846
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

¹ Figures are based at end of period and from 1977 exclude those who already have jobs as confirmed by the Central Provident Fund Board's employment records.

Source: Ministry of Labour

3.11 TRADE UNIONS AND MEMBERSHIP

Number

Year	Employee Class		Employer Class	
	Unions	Members	Unions	Members
1971	100	124,350	52	6,386
1972	97	166,988	52	6,557
1973	92	191,481	51	6,644
1974	90	203,561	51	6,508
1975	89	208,561	51	6,822
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

Source: Ministry of Labour

3.12 INDUSTRIAL STOPPAGES AND TRADE DISPUTES

Year	Industrial Stoppages			Trade Disputes ¹
	Number	Workers Involved	Man-days Lost	Number
1971	2	1,380	5,449	765
1972	10	3,168	18,233	1,140
1973	5	1,312	2,295	997
1974	10	1,901	5,380	1,091
1975	7	1,865	4,853	709
1976	4	1,576	3,193	694
1977	1	406	1,011	640
1978	-	-	-	548
1979	-	-	-	577
1980	-	-	-	484
1981	-	-	-	392

1 Figures from 1979 onwards exclude disputes on refusal to negotiate and union recognition.

Source: Ministry of Labour

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

Age Group (Years)	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
Thousand											
Total	415.7	535.7	609.3	622.5	647.4	677.8	713.6	779.4	832.9	863.6	939.3
Under 15	1.7	2.2	2.3	1.2	1.3	2.0	2.0	2.4	2.3	1.8	1.3
15 - 19	66.1	81.0	95.1	82.9	84.0	87.6	88.4	97.4	100.2	96.0	94.4
20 - 24	102.0	133.7	152.4	147.1	160.9	169.1	175.8	192.4	204.2	209.1	224.3
25 - 29	52.6	81.9	100.1	109.6	127.6	135.1	142.2	154.6	165.6	173.5	192.6
30 - 34	47.2	58.9	63.9	61.5	61.8	69.0	81.3	94.9	110.2	123.9	135.3
35 - 39	36.7	45.5	51.2	53.6	57.8	61.0	61.9	64.9	65.5	63.5	72.7
40 - 44	32.0	38.7	41.1	41.6	45.2	46.5	48.0	52.7	57.3	59.4	64.6
45 - 49	25.7	30.1	33.4	34.7	37.5	38.1	39.2	41.4	42.8	44.7	47.6
50 - 54	20.1	22.6	24.4	25.0	26.7	27.6	28.9	31.7	33.8	34.8	36.7
55 - 59	3.0	3.5	3.9	3.8	4.3	3.9	4.4	18.9	19.6	20.2	21.7
60 & Over	20.9	22.8	26.5	50.7	35.2	33.1	33.8	19.7	20.3	22.8	23.3
Not Stated	7.7	14.8	15.0	10.8	5.1	4.8	7.7	8.4	11.1	13.9	24.8
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	0.4	0.4	0.4	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.1
15 - 19	15.9	15.1	15.6	13.3	13.0	12.9	12.4	12.5	12.0	11.1	10.1
20 - 24	24.5	24.9	25.0	23.6	24.9	24.9	24.6	24.7	24.5	24.2	23.9
25 - 29	12.7	15.3	16.4	17.6	19.7	19.9	19.9	19.8	19.9	20.1	20.5
30 - 34	11.4	11.0	10.5	9.9	9.5	10.2	11.4	12.2	13.2	14.4	14.4
35 - 39	8.8	8.5	8.4	8.6	8.9	9.0	8.7	8.3	7.9	7.4	7.7
40 - 44	7.7	7.2	6.8	6.7	7.0	6.9	6.7	6.8	6.9	6.9	6.9
45 - 49	6.2	5.6	5.5	5.6	5.8	5.6	5.5	5.3	5.1	5.2	5.1
50 - 54	4.8	4.2	4.0	4.0	4.1	4.1	4.1	4.1	4.1	4.0	3.9
55 - 59	0.7	0.7	0.6	0.6	0.7	0.6	0.6	2.4	2.4	2.3	2.3
60 & Over	5.0	4.3	4.3	8.1	5.4	4.9	4.7	2.5	2.4	2.6	2.5
Not Stated	1.9	2.8	2.5	1.8	0.8	0.7	1.1	1.1	1.3	1.6	2.6

Source: Central Provident Fund Board

3.14 CONTRIBUTORS TO THE CENTRAL PROVIDENT FUND BY WAGE LEVEL
(End of Period)

Monthly Wage Level (\$)	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
	Thousand										
Total	415.7	535.7	609.3	622.5	647.4	677.8	713.6	779.4	832.9	863.6	939.3
Below 100	62.1	55.6	46.0	27.3	24.0	23.0	22.5	23.9	20.4	12.4	10.8
100 - 199	164.1	194.7	195.9	130.5	117.5	110.4	103.2	86.1	66.9	51.3	43.0
200 - 299	80.1	108.8	138.5	161.0	162.1	175.0	185.3	203.8	184.1	135.9	119.9
300 - 399	37.8	59.0	72.0	85.0	93.1	101.7	109.9	117.1	138.3	165.8	138.6
400 - 499	21.8	39.6	46.7	57.7	62.2	68.3	74.9	82.6	96.0	100.2	132.3
500 - 599	13.0	19.6	30.4	41.8	47.4	50.0	52.7	60.6	73.5	85.8	90.2
600 - 799	14.3	22.2	30.3	45.2	55.6	57.7	63.2	77.9	93.9	107.7	128.8
800 - 999	6.7	12.1	15.5	21.3	25.8	29.0	32.7	40.8	51.6	64.2	79.5
1,000 - 1,199	4.1	7.0	10.2	13.7	15.8	16.3	18.2	22.9	29.4	37.8	51.6
1,200 - 1,499	3.2	5.3	7.4	11.1	14.0	15.4	17.4	21.0	25.2	31.0	43.9
1,500 - 1,999	3.2	5.3	8.5	16.3	21.0	13.2	15.1	16.6	22.6	30.4	40.5
2,000 - 2,499								8.1	9.6	10.9	17.7
2,500 - 2,999								4.0	5.0	6.5	9.1
3,000 & Over								6.8	8.7	12.4	18.3
Not Stated	5.3	6.5	7.9	11.6	8.9	6.7	6.0	7.2	7.7	11.3	15.1
	Per Cent										
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Below 100	14.9	10.4	7.6	4.4	3.7	3.4	3.1	3.1	2.5	1.4	1.1
100 - 199	39.5	36.3	32.1	21.0	18.1	16.3	14.5	11.0	8.0	6.0	4.6
200 - 299	19.3	20.3	22.7	25.9	25.0	25.8	26.0	26.2	22.1	15.7	12.8
300 - 399	9.1	11.0	11.8	13.6	14.4	15.0	15.4	15.0	16.6	19.2	14.7
400 - 499	5.2	7.4	7.7	9.3	9.6	10.1	10.5	10.6	11.5	11.6	14.1
500 - 599	3.1	3.7	5.0	6.7	7.3	7.4	7.4	7.8	8.8	9.9	9.6
600 - 799	3.4	4.1	5.0	7.3	8.6	8.5	8.9	10.0	11.3	12.5	13.7
800 - 999	1.6	2.3	2.5	3.4	4.0	4.3	4.6	5.2	6.2	7.4	8.5
1,000 - 1,199	1.0	1.3	1.7	2.2	2.4	2.4	2.5	2.9	3.5	4.4	5.5
1,200 - 1,499	0.8	1.0	1.2	1.8	2.2	2.3	2.4	2.7	3.0	3.6	4.7
1,500 - 1,999	0.8	1.0	1.4	2.6	3.3	1.9	2.1	2.1	2.7	3.5	4.3
2,000 - 2,499								1.1	1.2	1.3	1.9
2,500 - 2,999								0.5	0.6	0.8	1.0
3,000 & Over								0.9	1.1	1.4	1.9
Not Stated	1.3	1.2	1.3	1.8		1.0	0.8	0.9	0.9	1.3	1.6

Source: Central Provident Fund Board

3.15 CENTRAL PROVIDENT FUND CONTRIBUTORS BY INDUSTRY
(End of Period)

Industry	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
	Thousand									
All Industries	535.7	609.3	622.5	647.4	677.8	713.6	779.4	832.9	863.6	939.3
Agriculture & Fishing	1.3	1.4	1.5	1.3	1.6	1.6	1.8	2.0	2.0	2.2
Quarrying	1.2	1.0	1.0	1.0	1.1	1.1	1.1	1.0	1.2	1.7
Manufacturing	176.7	210.1	200.0	196.9	217.0	230.4	259.1	280.7	284.2	292.6
Utilities	7.7	8.2	8.2	9.1	9.2	9.1	8.9	8.8	8.2	7.9
Construction	20.3	26.1	25.5	26.9	16.6	25.4	26.7	27.5	29.3	57.7
Trade	103.1	119.6	125.9	130.7	139.5	149.8	166.3	179.1	187.9	203.7
Transport & Communication	53.2	60.5	68.9	73.0	72.4	78.4	87.5	92.2	95.2	98.7
Financial & Business Services	42.6	49.3	52.3	58.4	61.5	65.1	69.9	77.4	84.3	95.4
Other Services	126.5	130.6	138.5	144.0	145.6	151.9	157.0	162.5	165.8	170.3
Activities Not Adequately Defined	3.1	2.5	0.7	6.1	3.3	0.8	1.1	1.7	5.5	9.1
	Per Cent									
All Industries	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	0.2	0.2	0.2	0.2
Quarrying	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.2
Manufacturing	33.0	34.5	32.1	30.4	32.0	32.3	33.3	33.7	32.9	31.2
Utilities	1.4	1.4	1.3	1.4	1.3	1.3	1.2	1.1	1.0	0.8
Construction	3.8	4.3	4.1	4.2	3.9	3.6	3.4	3.3	3.4	6.1
Trade	19.3	19.6	20.2	10.2	10.6	21.0	21.3	21.5	21.8	21.7
Transport & Communication	9.9	9.9	11.1	11.3	10.7	11.0	11.2	11.1	11.0	10.5
Financial & Business Services	8.0	8.1	8.4	9.0	9.1	9.1	9.0	9.3	9.8	10.2
Other Services	23.6	21.4	22.3	22.2	21.5	21.3	20.2	19.5	19.2	18.1
Activities Not Adequately Defined	0.6	0.4	0.1	0.9	0.5	0.1	0.1	0.2	0.6	1.0

Note: The CPF scheme was extended in April 1972 to employees in the civil service.

Source: Central Provident Fund Board

3.16 CENTRAL PROVIDENT FUND MEMBERS BY AGE GROUP
(End of Period)

Age Group (Years)	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
Thousand											
Total	714.7	855.3	962.0	1,041.6	1,104.4	1,177.5	1,251.1	1,340.8	1,435.6	1,518.7	1,649.7
Under 15	2.4	2.9	3.0	1.8	1.7	2.6	2.6	3.1	3.1	2.8	2.0
15 - 19	99.3	123.8	142.5	142.6	141.7	147.8	152.4	163.7	172.7	174.2	177.0
20 - 24	159.8	200.6	232.1	246.2	270.6	286.2	297.0	308.4	322.5	333.5	357.2
25 - 29	96.7	127.8	152.9	175.3	208.2	226.5	244.3	264.5	286.7	305.0	334.9
30 - 34	94.9	103.8	110.3	109.5	110.3	123.5	146.4	168.5	197.2	227.3	252.1
35 - 39	70.6	78.1	87.2	95.0	103.7	112.5	116.6	121.4	123.1	121.3	138.3
40 - 44	57.7	64.0	67.7	70.6	77.8	82.6	86.5	94.9	105.2	112.2	123.8
45 - 49	44.3	49.7	54.4	57.9	63.2	66.5	69.5	72.8	77.1	82.4	88.7
50 - 54	35.6	38.6	40.8	42.3	45.2	48.3	51.7	56.0	60.6	64.0	68.3
55 & Over	41.3	46.3	51.1	82.5	59.0	61.7	64.8	66.3	69.6	77.3	82.0
Not Stated	12.1	19.7	20.0	17.9	23.0	19.3	19.3	21.2	17.8	18.7	25.4
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
Under 15	0.3	0.4	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1
15 - 19	13.9	14.5	14.8	13.6	12.8	12.6	12.2	12.2	12.0	11.4	10.7
20 - 24	22.3	23.5	24.1	23.7	24.5	24.3	23.8	23.0	22.5	22.0	21.7
25 - 29	13.5	14.9	15.9	16.8	18.9	19.2	19.5	19.7	20.0	20.1	20.3
30 - 34	13.3	12.1	11.5	10.5	10.0	10.5	11.7	12.6	13.7	15.0	15.3
35 - 39	9.9	9.1	9.1	9.1	9.4	9.6	9.3	9.1	8.6	8.0	8.4
40 - 44	8.1	7.5	7.0	6.8	7.0	7.0	6.9	7.1	7.3	7.4	7.5
45 - 49	6.2	5.8	5.7	5.6	5.7	5.6	5.4	5.4	5.4	5.4	5.4
50 - 54	5.0	4.5	4.2	4.1	4.1	4.1	4.1	4.2	4.2	4.2	4.1
55 & Over	5.8	5.4	5.3	7.9	5.3	5.2	5.2	4.9	4.9	5.1	5.0
Not Stated	1.7	2.3	2.1	1.7	2.1	1.6	1.5	1.6	1.2	1.2	1.5

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

Source: Central Provident Fund Board

3.17 CENTRAL PROVIDENT FUND MEMBERS BY BALANCES
(End of Period)

Balance (\$)	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
Thousand											
Total	714.7	855.3	962.0	1,041.6	1,104.4	1,177.5	1,251.1	1,340.8	1,435.6	1,518.7	1,649.7
Below 200	275.1	304.9	293.5	268.0	259.9	262.5	266.8	275.8	267.6	259.5	267.9
200 - 399	104.3	131.0	125.3	117.0	106.3	110.5	112.9	116.0	110.4	104.0	115.5
400 - 599	56.8	73.9	90.1	83.6	74.1	73.5	75.1	78.2	79.1	72.2	76.0
600 - 799	37.3	47.7	67.7	65.9	60.8	57.5	59.8	61.7	63.3	58.1	58.4
800 - 999	27.8	33.8	47.4	55.4	50.8	48.0	49.6	51.5	53.2	49.7	48.7
1,000 - 1,999	84.3	96.7	121.6	162.9	173.0	172.1	168.9	179.0	188.0	184.6	172.3
2,000 - 2,999	41.4	52.2	63.4	78.7	99.3	104.9	110.5	113.8	123.5	131.4	124.6
3,000 - 3,999	22.7	28.9	37.4	51.0	61.0	73.5	76.8	82.1	89.6	100.0	102.5
4,000 - 5,999	26.6	33.2	43.0	57.2	75.1	89.7	103.9	110.3	123.7	139.3	156.5
6,000 - 7,999	13.3	18.2	23.5	31.9	43.4	52.2	61.3	72.4	80.3	93.5	109.1
8,000 - 9,999	7.2	10.1	14.3	19.5	27.2	34.4	39.6	46.3	57.6	65.8	79.4
10,000 - 19,999					50.1	66.3	82.7	97.0	122.2	154.4	193.9
20,000 - 29,999	17.9	24.7	34.8	50.5	13.4	16.9	21.6	27.4	37.0	50.7	67.0
30,000 & Over					10.0	15.5	21.6	29.3	40.1	55.5	77.9
Per Cent											
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Below 200	38.5	35.6	30.5	25.7	23.5	22.3	21.3	20.6	18.6	17.1	16.2
200 - 399	14.6	15.3	13.0	11.2	9.6	9.4	9.0	8.7	7.7	6.8	7.0
400 - 599	7.9	8.6	9.4	8.0	6.7	6.3	6.0	5.8	5.5	4.8	4.6
600 - 799	5.2	5.6	7.0	6.3	5.5	4.9	4.8	4.6	4.4	3.8	3.5
800 - 999	3.9	4.0	4.9	5.3	4.6	4.1	4.0	3.8	3.7	3.3	3.0
1,000 - 1,999	11.8	11.3	12.6	15.6	15.7	14.6	13.5	13.3	13.1	12.2	10.4
2,000 - 2,999	5.8	6.1	6.6	7.6	9.0	8.9	8.8	8.5	8.6	8.7	7.6
3,000 - 3,999	3.2	3.4	3.9	4.9	5.5	6.2	6.1	6.1	6.3	6.6	6.2
4,000 - 5,999	3.7	3.9	4.5	5.5	6.8	7.6	8.3	8.2	8.6	9.2	9.5
6,000 - 7,999	1.9	2.1	2.5	3.1	3.9	4.4	4.9	5.4	5.6	6.1	6.6
8,000 - 9,999	1.0	1.2	1.5	1.9	2.5	2.9	3.2	3.5	4.0	4.3	4.8
10,000 - 19,999					4.5	5.6	6.6	7.2	8.5	10.2	11.8
20,000 - 29,999					1.2	1.5	1.7	2.0	2.6	3.3	4.1
30,000 & Over	2.5	2.9	3.6	4.9	1.0	1.3	1.8	2.3	2.8	3.6	4.7

Source: Central Provident Fund Board

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 followed 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 was 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 domestic capital formation and net exports to rest of the world.

Output and Expenditure GDP Deflators - The ratios of current price estimates to the corresponding estimates at 1968 prices. They measure implicitly

the price changes in the current price aggregates.

GNP, GDP and expenditure on GDP are valued at market prices, that is, they are valued at the actual transacted prices and included 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 International Monetary Fund (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 finan-

cial 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.

As a result of improvements made in the system of data collection and the availability of supplementary data, the estimates for some transactions in the current account from 1972 onwards were revised and are thus not comparable with those of earlier years for which additional retrospective data were not available.

4.1 INDIGENOUS GROSS NATIONAL PRODUCT
(At Current Market Prices)

Million Dollars

	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981*
Total Gross Domestic Product	6,823	8,156	10,205	12,543	13,373	14,575	15,969	17,658	20,071	23,512	27,280
Share of Resident Foreigners & Resident Foreign Companies in GDP	1,234	1,516	2,090	2,990	3,059	3,289	3,431	4,425	5,185	6,530	7,492
Indigenous GDP	5,589	6,640	8,115	9,553	10,314	11,286	12,538	13,233	14,886	16,982	19,788
Net Factor Receipts of Singa- poreans from Rest of the World	237	244	294	413	481	442	576	704	967	1,126	1,398
Indigenous GNP	5,826	6,884	8,409	9,966	10,795	11,728	13,114	13,937	15,853	18,108	21,186
Per Capita Indigenous GNP (S\$)	2,761	3,206	3,849	4,491	4,798	5,148	5,681	5,921	6,650	7,501	8,672

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

Million dollars

	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981*
Gross National Product											
Gross National Product at Market Prices	6,813.3	8,135.2	9,981.2	12,255.4	13,345.1	14,374.6	15,778.9	17,462.3	19,615.7	22,846.0	26,389.1
Gross Domestic Product at Factor Cost	6,279.4	7,523.9	9,437.8	11,738.2	12,507.2	13,586.2	14,846.7	16,382.3	18,586.9	21,769.3	25,200.0
Indirect Taxes	543.9	631.9	767.3	805.0	865.8	989.0	1,122.2	1,275.7	1,483.9	1,742.8	2,079.5
Net Factor Income from Abroad	-10.0	-20.6	-223.9	-287.8	-27.9	-200.6	-190.0	-195.7	-455.1	-666.1	-890.4
Generation of Gross National Saving											
Gross National Saving	1,252.7	1,962.0	2,725.0	3,076.3	3,406.3	3,985.3	4,550.8	4,940.2	5,670.4	6,605.4	7,854.4
Gross Domestic Saving	1,259.9	1,976.2	2,959.0	3,459.2	3,526.5	4,307.0	4,849.1	5,224.3	6,201.6	7,380.8	8,860.2
Gross Domestic Product at Market Prices	6,823.3	8,155.8	10,205.1	12,543.2	13,373.0	14,575.2	15,968.9	17,658.0	20,070.8	23,512.1	27,279.5
Less: Private & Government Consumption Expenditure	5,392.3	6,061.4	7,457.8	8,956.0	9,543.7	10,147.4	11,108.4	12,391.5	13,735.1	16,031.1	18,218.4
Statistical Discrepancy	-171.1	-118.2	211.7	-128.0	-302.8	-120.8	-11.4	-42.2	-134.1	-100.2	-200.9
Net Factor Income from Abroad	-10.0	-20.6	-223.9	-287.8	-27.9	-200.6	-190.0	-195.7	-455.1	-666.1	-890.4
Net Transfers from Abroad	2.8	6.4	-10.1	-95.1	-92.3	-121.1	-108.3	-88.4	-76.1	-109.3	-115.4
Finance of Gross Domestic Capital Formation											
Gross Domestic Capital Formation	2,744.1	3,354.4	4,000.0	5,592.0	5,034.6	5,492.2	5,338.5	6,343.7	7,850.1	10,015.2	11,552.5
Gross National Saving	1,252.7	1,962.0	2,725.0	3,076.3	3,406.3	3,985.3	4,550.8	4,940.2	5,670.4	6,605.4	7,854.4
Net Borrowing from Abroad	1,491.4	1,392.4	1,275.0	2,515.7	1,628.3	1,506.9	787.7	1,403.5	2,179.7	3,409.8	3,698.1

4.3 GROSS DOMESTIC PRODUCT BY INDUSTRY

Million Dollars

Industry	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981*
At Current Market Prices											
Total	6,823.3	8,155.8	10,205.1	12,543.2	13,373.0	14,575.2	15,968.9	17,658.0	20,070.8	23,512.1	27,279.5
Agriculture & Fishing	158.8	160.6	214.3	229.9	254.2	256.8	283.1	273.7	295.0	321.9	345.9
Quarrying	24.5	28.5	28.8	33.6	47.1	56.2	49.1	38.4	42.9	81.7	124.4
Manufacturing	1,460.6	1,853.5	2,429.0	3,084.6	3,226.2	3,611.5	4,020.7	4,620.9	5,748.3	6,947.0	8,188.9
Utilities	163.9	185.0	218.2	231.6	250.2	273.7	291.9	351.5	424.7	557.8	601.1
Construction	508.6	692.6	725.9	929.3	1,084.0	1,205.1	1,200.3	1,122.2	1,246.4	1,579.4	2,140.9
Trade	1,850.4	2,067.2	2,771.8	3,588.3	3,608.0	3,815.2	4,232.1	4,631.0	5,123.8	5,710.5	6,206.6
Transport & Communication	750.8	924.8	1,127.9	1,338.0	1,517.6	1,795.5	2,123.6	2,487.2	2,635.2	2,935.2	3,342.0
Financial & Business Services	998.4	1,232.3	1,543.3	1,833.8	1,957.3	2,088.8	2,223.6	2,469.7	2,930.1	3,823.4	4,782.9
Other Services	872.8	971.3	1,125.8	1,392.2	1,576.1	1,679.4	1,746.8	1,923.9	2,135.4	2,420.6	2,801.4
Less: Imputed Bank Service Charge	128.2	155.1	218.3	341.2	375.8	467.4	506.4	600.7	880.7	1,292.2	1,682.5
Add: Import Duties	162.7	195.7	238.4	223.1	228.1	260.4	304.1	340.2	369.7	426.8	427.9
At 1968 Market Prices											
Total	6,276.7	7,119.7	7,941.3	8,445.2	8,790.3	9,447.4	10,193.2	11,074.0	12,114.1	13,357.4	14,685.7
Agriculture & Fishing	143.5	153.9	145.8	135.5	139.9	154.9	156.5	155.4	160.7	164.6	161.0
Quarrying	22.8	26.0	26.0	29.4	39.2	43.1	42.0	36.4	41.5	44.7	57.3
Manufacturing	1,356.5	1,583.9	1,841.2	1,910.6	1,879.5	2,084.6	2,261.4	2,507.1	2,873.3	3,208.8	3,527.1
Utilities	160.2	181.0	200.0	208.5	223.3	244.4	276.1	326.1	355.8	382.4	410.0
Construction	406.6	474.0	432.9	459.4	533.9	591.3	578.4	536.1	575.0	645.7	787.9
Trade	1,722.9	1,896.0	2,117.9	2,342.5	2,372.6	2,450.8	2,642.9	2,827.5	3,035.6	3,256.2	3,450.4
Transport & Communication	721.2	858.8	1,041.3	1,123.8	1,230.7	1,399.3	1,629.9	1,875.1	2,137.8	2,407.0	2,718.8
Financial & Business Services	895.6	1,024.1	1,175.7	1,292.5	1,372.2	1,472.4	1,565.3	1,717.9	1,929.1	2,291.0	2,674.4
Other Services	818.3	889.5	960.2	1,036.7	1,115.6	1,171.7	1,208.2	1,305.6	1,384.2	1,468.9	1,568.4
Less: Imputed Bank Service Charge	123.7	147.4	189.0	252.6	268.2	328.7	349.1	409.3	589.8	750.1	902.4
Add: Import Duties	152.8	179.9	189.3	158.9	151.6	163.6	181.6	196.1	210.9	238.2	232.8

4.4 QUARTERLY GROSS DOMESTIC PRODUCT BY INDUSTRY
(At 1968 Market Prices)

Million Dollars

Period	Total	Agriculture & Fishing	Quarrying	Manufacturing	Utilities	Construction	Trade	Transport & Communication	Financial & Business Services	Other Services	Less Imputed Bank Service Charge	Add Import Duties
1976												
1st Quarter	2,269.9	37.3	11.3	486.2	56.8	138.8	577.3	338.7	366.8	292.9	78.6	42.4
2nd Quarter	2,287.5	38.0	11.0	500.9	60.4	152.9	589.3	333.4	357.4	287.6	79.7	36.3
3rd Quarter	2,423.1	39.1	10.7	542.1	63.6	155.0	631.9	360.1	370.7	293.2	82.6	39.3
4th Quarter	2,466.9	40.5	10.1	555.4	63.6	144.6	652.3	367.1	377.5	298.0	87.8	45.6
1977												
1st Quarter	2,433.1	38.6	11.3	518.6	62.8	138.8	626.1	386.2	382.0	305.1	84.1	47.7
2nd Quarter	2,482.6	38.3	11.6	562.7	69.3	146.4	640.1	376.1	387.9	295.8	86.8	41.2
3rd Quarter	2,595.5	39.1	9.7	577.9	72.1	148.9	672.7	418.2	395.5	304.0	88.6	46.0
4th Quarter	2,682.0	40.5	9.4	602.2	71.9	144.3	704.0	449.4	399.9	303.3	89.6	46.7
1978												
1st Quarter	2,621.0	38.2	8.3	567.8	74.6	127.4	671.5	446.0	405.7	325.4	95.5	51.6
2nd Quarter	2,657.6	38.1	9.0	605.2	79.5	133.5	669.9	443.4	420.0	316.0	99.4	42.4
3rd Quarter	2,853.4	38.4	9.6	649.2	85.0	132.2	731.4	487.1	445.7	327.1	102.9	50.6
4th Quarter	2,942.0	40.7	9.5	684.9	87.0	143.0	754.7	498.6	446.5	337.1	111.5	51.5
1979												
1st Quarter	2,852.7	38.6	9.2	649.7	84.0	132.8	719.1	490.3	467.2	347.5	136.3	50.6
2nd Quarter	2,946.1	39.4	10.7	708.6	87.9	145.6	723.2	511.5	478.0	339.6	143.6	45.2
3rd Quarter	3,084.0	39.7	10.9	733.2	91.4	142.1	780.0	554.7	478.8	347.9	149.2	54.5
4th Quarter	3,231.3	43.0	10.7	781.8	92.5	154.5	813.3	581.3	505.1	349.2	160.7	60.6
1980												
1st Quarter	3,173.6	39.8	9.1	737.2	90.3	149.1	772.0	572.1	548.1	367.9	175.4	63.4
2nd Quarter	3,251.9	40.1	10.8	800.4	95.2	160.8	777.8	578.7	559.3	358.7	181.8	51.9
3rd Quarter	3,412.8	40.8	11.9	821.5	98.3	162.7	832.0	628.5	580.9	365.9	190.1	60.4
4th Quarter	3,519.1	43.9	12.9	849.7	98.6	173.1	874.4	627.7	602.7	376.4	202.8	62.5
1981*												
1st Quarter	3,490.0	40.9	13.7	812.4	95.2	173.5	825.0	636.3	640.8	393.0	207.4	66.6
2nd Quarter	3,607.3	39.0	14.1	904.6	102.2	191.2	824.6	657.1	660.2	381.5	217.3	50.1
3rd Quarter	3,771.6	39.6	14.1	913.4	106.5	210.5	880.6	715.7	682.3	388.3	234.0	54.6
4th Quarter	3,816.8	41.5	15.4	896.7	106.1	212.7	920.2	709.7	691.1	405.6	243.7	61.5

4.5 GROSS DOMESTIC PRODUCT DEFLATORS BY INDUSTRY
(1968 = 100)

Industry	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981*
Total	108.7	114.6	128.5	148.5	152.1	154.3	156.7	159.5	165.7	176.0	185.8
Agriculture & Fishing	110.7	104.4	147.0	169.7	181.7	165.8	180.9	176.1	183.6	195.6	214.8
Quarrying	107.5	109.6	110.8	114.3	120.2	130.4	116.9	105.5	103.4	182.8	217.1
Manufacturing	107.7	117.0	131.9	161.4	171.7	173.2	177.8	184.3	200.1	216.5	232.2
Utilities	102.3	102.2	109.1	111.1	112.0	112.0	105.7	107.8	119.4	145.9	146.6
Construction	125.1	146.0	167.7	202.3	203.0	203.8	207.5	209.3	216.8	244.6	271.7
Trade	107.4	109.0	130.9	153.2	152.1	155.7	160.1	163.8	168.8	175.4	179.9
Transport & Communication	104.1	107.7	108.3	119.1	123.3	128.3	130.3	132.6	123.3	121.9	122.9
Financial & Business Services	111.5	120.3	131.3	141.9	142.6	141.9	142.1	143.8	151.9	166.9	178.8
Other Services	106.7	109.2	117.2	134.3	141.3	143.3	144.6	147.4	154.3	164.8	178.6

4.6 EXPENDITURE ON GROSS DOMESTIC PRODUCT

Million Dollars

	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981*
	At Current Market Prices										
Total	6,823.3	8,155.8	10,205.1	12,543.2	13,373.0	14,575.2	15,968.9	17,658.0	20,070.8	23,512.1	27,279.5
Private Consumption Expenditure	4,531.5	5,071.2	6,340.1	7,657.6	8,120.7	8,605.9	9,392.1	10,402.0	11,674.5	13,547.7	15,433.3
Government Consumption Expenditure	860.8	990.2	1,117.7	1,298.4	1,423.0	1,541.5	1,716.3	1,989.5	2,060.6	2,483.4	2,785.1
Gross Domestic Fixed Capital Formation	2,473.4	3,054.3	3,561.1	4,694.8	4,698.4	5,149.1	5,282.8	5,926.7	6,922.0	9,111.1	11,158.1
Increase in Stocks	270.7	300.1	438.9	897.2	336.2	343.1	55.7	417.0	928.1	904.1	394.4
Less: Net Imports of Goods & Services	1,484.2	1,378.2	1,041.0	2,132.8	1,508.1	1,185.2	489.4	1,119.4	1,648.5	2,634.4	2,692.3
Statistical Discrepancy	171.1	118.2	-211.7	128.0	302.8	120.8	11.4	42.2	134.1	100.2	200.9
	At 1968 Market Prices										
Total	6,276.7	7,119.7	7,941.3	8,445.2	8,790.3	9,447.4	10,193.2	11,074.0	12,114.1	13,357.4	14,685.7
Private Consumption Expenditure	4,330.1	4,722.6	5,100.0	5,436.1	5,628.2	5,982.5	6,373.2	6,861.8	7,383.6	8,025.9	8,700.1
Government Consumption Expenditure	786.3	891.2	940.1	941.1	966.9	1,015.3	1,108.9	1,252.4	1,234.9	1,357.5	1,415.9
Gross Domestic Fixed Capital Formation	2,101.8	2,411.3	2,614.5	2,884.1	2,766.3	2,908.6	2,952.2	3,261.8	3,601.2	4,289.0	4,816.1
Increase in Stocks	235.2	191.1	181.7	483.6	184.8	190.2	30.9	229.7	441.2	357.5	152.9
Less: Net Imports of Goods & Services	1,343.2	1,241.6	828.2	1,359.3	941.2	728.0	288.8	597.6	604.0	569.4	420.1
Statistical Discrepancy	166.5	145.1	-66.8	59.6	185.3	78.8	16.8	65.9	57.2	-103.1	20.8

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

	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981*
Total	108.7	114.6	128.5	148.5	152.1	154.3	156.7	159.5	165.7	176.0	185.8
Private Consumption Expenditure	104.7	107.4	124.3	140.9	144.3	143.9	147.4	151.6	158.1	168.8	177.4
Government Consumption Expenditure	109.5	111.1	118.9	138.0	147.2	151.8	154.8	158.9	166.9	182.9	196.7
Gross Domestic Fixed Capital Formation	117.7	126.7	136.2	162.8	169.8	177.0	178.9	181.7	192.2	212.4	231.7
Exports of Goods & Services	110.5	111.0	125.7	177.0	178.4	190.4	197.9	202.1	224.5	257.5	274.3
Imports of Goods & Services	110.5	111.0	125.7	174.9	177.0	188.9	197.4	201.6	226.0	262.5	280.6

4.8 PRIVATE CONSUMPTION EXPENDITURE

Million Dollars

	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981*
	At Current Market Prices										
Total	4,531.5	5,071.2	6,340.1	7,657.6	8,120.7	8,605.9	9,392.1	10,402.0	11,674.5	13,547.7	15,433.3
Food & Beverages	1,535.7	1,647.8	2,144.0	2,495.5	2,648.8	2,733.7	2,967.0	3,163.4	3,536.5	4,054.6	4,566.4
Clothing & Footwear	470.2	524.9	718.2	783.2	748.2	809.2	898.1	1,000.5	1,160.9	1,356.7	1,577.2
Rent & Utilities	525.9	630.6	694.6	815.9	920.5	1,007.4	1,067.6	1,129.9	1,243.4	1,405.3	1,503.6
Furniture & Household Equipment	400.4	445.5	571.0	752.0	813.8	857.9	948.4	1,074.2	1,215.4	1,422.7	1,642.2
Medical Services	140.2	150.8	178.7	217.8	249.1	269.3	305.4	333.8	356.4	405.6	443.2
Transport & Communication	603.9	680.4	830.6	985.5	1,005.9	1,119.8	1,328.0	1,526.0	1,820.4	2,268.7	2,452.6
Recreation & Education	515.6	585.4	761.9	992.4	1,013.7	1,056.6	1,162.8	1,400.7	1,695.3	2,006.4	2,465.9
Other Goods & Services	854.2	1,024.0	1,284.3	1,589.4	1,693.7	1,805.1	1,995.6	2,265.5	2,698.8	3,228.9	3,916.2
Add: Residents' Expenditure Abroad	221.9	283.4	305.5	322.9	332.4	357.9	397.5	440.1	475.2	553.5	624.3
Less: Non-residents' Expenditure Locally	736.5	901.6	1,148.7	1,297.0	1,305.4	1,411.0	1,678.3	1,932.1	2,527.8	3,154.7	3,758.3
	At 1968 Market Prices										
Total	4,330.1	4,722.6	5,100.0	5,436.1	5,628.2	5,982.5	6,373.2	6,861.8	7,383.6	8,025.9	8,700.1
Food & Beverages	1,526.8	1,628.6	1,701.7	1,663.8	1,699.9	1,831.4	1,904.2	1,978.1	2,141.6	2,284.8	2,380.9
Clothing & Footwear	441.8	484.1	525.0	529.2	522.0	562.9	618.5	670.9	749.6	859.8	982.8
Rent & Utilities	448.6	496.9	523.6	561.4	604.3	635.6	668.2	700.8	726.7	743.2	769.9
Furniture & Household Equipment	382.0	420.1	455.4	499.4	559.8	583.4	612.1	661.9	720.7	804.5	889.6
Medical Services	129.7	141.2	155.3	162.9	173.1	185.3	207.5	217.9	224.9	238.8	247.2
Transport & Communication	569.5	630.3	728.9	744.7	737.1	798.8	928.4	1,036.8	1,185.4	1,342.6	1,385.6
Recreation & Education	488.5	541.0	641.5	782.0	803.8	833.1	900.4	1,031.2	1,217.6	1,408.7	1,699.6
Other Goods & Services	838.0	956.0	1,044.3	1,178.2	1,202.7	1,283.9	1,403.0	1,548.4	1,715.3	1,884.2	2,111.2
Add: Residents' Expenditure Abroad	209.4	263.9	243.2	227.3	230.3	248.9	269.7	290.3	300.5	327.9	351.9
Less: Non-residents' Expenditure Locally	704.2	839.5	918.9	912.8	904.8	980.8	1,138.8	1,274.5	1,598.7	1,868.6	2,118.6

4.9 GROSS DOMESTIC FIXED CAPITAL FORMATION

Million Dollars

	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981*
	At Current Market Prices										
Total	2,473.4	3,054.3	3,561.1	4,694.8	4,698.4	5,149.1	5,282.8	5,926.7	6,922.0	9,111.1	11,158.1
✓ Construction & Works	1,014.0	1,380.7	1,478.3	1,951.3	2,120.6	2,375.5	2,392.2	2,307.0	2,669.5	3,812.8	5,227.7
✓ Residential Buildings	460.3	659.8	814.1	1,043.6	1,051.4	1,180.1	1,232.0	1,046.7	1,077.8	1,519.5	2,246.5
✓ Non-residential Buildings	387.3	483.9	455.7	602.9	648.7	679.1	670.4	782.7	1,089.9	1,521.4	2,160.8
✓ Other Construction & Works	166.4	237.0	208.5	304.8	420.5	516.3	489.8	477.6	501.8	771.9	820.4
✓ Transport Equipment	426.3	444.2	684.3	894.4	733.5	1,034.7	1,269.3	1,525.9	1,955.9	2,286.4	2,212.5
✓ Machinery & Equipment	1,033.1	1,229.4	1,398.5	1,849.1	1,844.3	1,738.9	1,621.3	2,093.8	2,296.6	3,011.9	3,717.9
	At 1968 Market Prices										
Total	2,101.8	2,411.3	2,614.5	2,884.1	2,766.3	2,908.6	2,952.2	3,261.8	3,601.2	4,289.0	4,816.1
Construction & Works	802.2	932.9	865.0	879.8	1,002.0	1,101.2	1,110.8	1,051.2	1,114.0	1,316.5	1,577.7
Residential Buildings	364.2	445.8	476.4	470.5	496.8	547.1	585.3	492.7	459.1	497.8	606.5
Non-residential Buildings	306.4	327.0	266.6	271.9	306.3	314.7	303.7	346.6	448.5	542.8	703.2
Other Construction & Works	131.6	160.1	122.0	137.4	198.9	239.4	221.8	211.9	206.4	275.9	268.0
Transport Equipment	379.6	392.4	592.5	673.0	516.2	704.3	833.1	964.1	1,147.4	1,291.1	1,208.7
Machinery & Equipment	920.0	1,086.0	1,157.0	1,331.3	1,248.1	1,103.1	1,008.3	1,246.5	1,339.8	1,681.4	2,029.7

4.10 BALANCE OF PAYMENTS

Million Dollars

	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981*
A Goods and Services (net)	-2,169.9	-1,398.8	-1,264.9	-2,420.6	-1,536.0	-1,385.8	-679.4	-1,315.1	-2,103.6	-3,300.5	-3,582.7
Exports of Goods & Services	6,908.6	9,121.8	12,639.0	19,559.8	19,244.7	22,798.8	27,080.9	30,798.9	39,871.5	52,882.0	60,316.2
Merchandise incl Nonmonetary Gold	5,075.0	5,738.9	8,418.4	13,444.6	12,050.4	15,288.3	18,843.9	21,694.5	28,994.0	38,672.1	41,194.5
Freight & Insurance	35.4	110.8	168.0	250.2	240.2	351.6	480.2	655.5	910.1	1,179.7	1,433.1
Travel	333.6	734.5	949.8	1,087.9	1,119.2	1,266.4	1,517.9	1,767.6	2,439.0	3,068.4	3,665.5
Investment Income	254.0	318.1	411.5	551.6	610.3	605.5	704.1	889.1	1,273.7	1,499.1	1,851.7
Government nie	369.0	180.5	207.2	210.8	180.8	95.7	100.0	104.2	104.1	98.1	114.9
Other Transportation & Services nie	841.6	2,039.0	2,484.1	4,014.7	5,043.8	5,191.3	5,434.8	5,688.0	6,150.6	8,364.6	12,056.5
Imports of Goods & Services	9,078.5	10,520.6	13,903.9	21,980.4	20,780.7	24,184.6	27,760.3	32,114.0	41,975.1	56,182.5	63,898.9
Merchandise incl Nonmonetary Gold	8,090.5	8,796.1	11,635.6	18,919.8	17,810.2	20,756.0	23,733.3	27,493.8	35,772.0	47,964.1	54,483.6
Freight & Insurance	541.4	535.1	680.9	1,130.7	1,081.3	1,168.6	1,356.0	1,429.0	1,831.1	2,649.6	2,867.2
Travel	34.7	337.2	364.9	386.7	400.4	432.4	481.6	534.4	590.9	689.3	777.7
Investment Income	92.9	362.8	658.4	865.8	679.9	824.1	910.7	1,101.3	1,745.1	2,178.3	2,755.6
Government nie	10.5	9.7	11.4	12.2	15.6	18.3	23.2	18.5	26.2	29.4	34.8
Other Transportation & Services nie	308.5	479.7	552.7	665.2	793.3	985.2	1,255.5	1,537.0	2,009.8	2,671.8	2,980.0
Trade Balance	-3,015.5	-3,057.2	-3,217.2	-5,475.2	-5,759.8	-5,467.7	-4,889.4	-5,799.3	-6,778.0	-9,292.0	-13,289.1
Balance of Services	845.6	1,658.4	1,952.3	3,054.6	4,223.8	4,081.9	4,210.0	4,484.2	4,674.4	5,991.5	9,706.4
B Transfer Payments (net)	-35.5	6.4	-10.1	-95.1	-92.3	-121.1	-108.3	-88.4	-76.1	-109.3	-115.4
Private	-70.8	-6.1	-34.0	-99.3	-91.4	-113.0	-99.5	-81.1	-67.3	-97.6	-101.8
Government	35.3	12.5	23.9	4.2	-0.9	-8.1	-8.8	-7.3	-8.8	-11.7	-13.6
Current Account Balance	-2,205.4	-1,392.4	-1,275.0	-2,515.7	-1,628.3	-1,506.9	-787.7	-1,403.5	-2,179.7	-3,409.8	-3,698.1
C Capital (net)	878.7	1,112.3	1,772.1	1,217.6	1,374.4	2,097.7	1,480.2	2,303.8	2,169.7	3,611.5	5,334.8
Nonmonetary Sector (net)	482.0	749.9	1,179.6	1,638.3	1,586.2	1,892.0	1,269.3	1,634.9	2,570.0	3,319.9	4,035.8
Private	406.5	562.7	1,153.0	1,637.2	1,565.3	1,791.3	969.8	1,622.6	2,605.1	3,352.6	4,069.6
Official	75.5	187.2	26.6	1.1	20.9	100.7	299.5	12.3	-35.1	-32.7	-33.8
Monetary Sector (net)	396.7	362.4	592.5	-420.7	-211.8	205.7	210.9	668.9	-400.3	291.6	1,299.0
Commercial banks: Foreign Assets ¹	-210.2	-212.7	-450.5	-385.5	-464.1	-855.2	-636.0	-807.6	-2,118.2	-778.4	-3,768.1
Foreign Liabilities	606.9	575.1	1,043.0	-35.2	252.3	1,060.9	846.9	1,476.5	1,717.9	1,070.0	5,067.1
D Allocation of Special Drawing Rights	-	-	-	-	-	-	-	-	14.3	14.5	17.6
E Balancing Item	2,301.5	1,225.1	508.1	2,016.5	1,220.3	146.6	70.8	611.2	1,133.0	1,217.6	284.1
F Overall Balance (A+B+C+D+E)	974.8	945.0	1,005.2	718.4	966.4	737.4	763.3	1,511.5	1,137.3	1,433.8	1,938.4
G Official Reserves (net)¹	-974.8	-945.0	-1,005.2	-718.4	-966.4	-737.4	-763.3	-1,511.5	-1,137.3	-1,433.8	-1,938.4
Special Drawing Rights	-	-	-	-	-	-	-	-	-	-	-32.9
Reserve Position in the Fund	-5.3	-	-	-	-	-	-	-10.8	-23.5	-64.3	-46.9
Foreign Exchange Assets	-969.5	-945.0	-1,005.2	-718.4	-966.4	-737.4	-763.3	-1,500.7	-1,079.4	-1,361.2	-1,858.6

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

5. AGRICULTURE, LIVESTOCK AND FISHERIES

General

The agricultural sector of Singapore is engaged mainly in the production of vegetables, pig, poultry, eggs and fish. It is estimated that about 13.1 per cent of Singapore's total land area are used for agricultural purposes. Most of the agricultural establishments are engaged in mixed farming where cultivation of vegetables is carried out together with rearing of livestock.

Horticulture

The majority of our horticultural farms are engaged in vegetable production. The main vegetables grown include leafy vegetables such as cai xin, gai lan and weng cai and fruit vegetables such as brinjals, cucumbers and long beans. Root crops such as tapioca and sweet potatoes are also produced

in small quantities. Local farms supply some 28 per cent of the total vegetable consumption. Many farms also plant fruit trees both for shade and for production. Singapore is world renowned for her export of good quality orchids.

Livestock

Pig, poultry and egg production are the most important farming activities in Singapore which account for more than three-quarters of the total ex-farm value of primary production. Singapore is self-sufficient in fresh pork and eggs. About 71 per cent of the poultry meat consumption are also produced by local farms. Furthermore, Singapore is also the main distribution centre of day-old chicks in the region, exporting about \$6.2 million worth of them in 1981.

Livestock are slaughtered at the abattoirs in Jurong and Kim Chuan Road under the close supervision of the Veterinary Division of the Primary Production Department.

Fisheries

Traditionally, Singapore depends on her neighbouring countries for fish supply. Local production remained rather stable in the past few years. Of 73,891 tonnes of fish consumed in 1981, 16,111 tonnes were produced locally and the rest were imported mainly from Malaysia. Local production of fish comes from inshore and offshore catches. Fishing around Singapore waters normally using non-powered boats powered with out-board engines, is classified as inshore fishing and the bulk of such

catches are from kelongs, drift nets and beach seines. Offshore fishing is mainly carried out in the South China Sea and part of the Indian Ocean. The most commonly used offshore fishing gear are otter trawls and bottom long lines for demersal fish and troll lines for pelagic fish.

Auctioning of fish is carried out mainly at the Jurong Fishing Port. A relatively small quantity of local landings are auctioned at the Kangkar Fish Market and Bedok Fisheries Centre.

Singapore is well-known for her aquarium fish production. The value of aquarium fish exported in 1981 reached \$35.4 million.

5.1 PRODUCTION OF PRINCIPAL CROPS

Year	Vegetables	Fruits	Sugar Cane	Rubber	Tobacco	Coconuts
	Tonnes					Million Nuts
1971	70,360	17,820	..	1,680	500	10
1972	73,710	18,140	3,740	1,530	317	10
1973	55,950	18,400	2,600	1,205	417	9
1974	39,480	14,645	2,060	975	376	7
1975	38,285	14,629	1,820	864	311	7
1976	38,339	19,120	2,520	423	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

Source: Department of Primary Production

5.2 LIVESTOCK SLAUGHTERED

Year	Number				
	Swine	Sheep	Oxen	Buffaloes	Goats
1971	590,193	124,788	7,408	5,223	2,534
1972	686,670	133,793	7,799	3,752	2,261
1973	628,738	80,581	1,255	519	2,257
1974	581,263	74,844	896	88	1,798
1975	586,177	90,712	1,433	222	1,424
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

Source: Department of Primary Production

5.3 FRESH FISH SUPPLY

Tonnes

Year	Local Production ¹	Imports	Exports	Total Availability	Fish Auctioned
1971	14,295	53,887	3,542	64,640	62,324
1972	14,797	53,565	5,929	62,433	61,855
1973	17,950	57,656	6,036	69,570	65,593
1974	18,556	51,057	6,170	63,443	64,200
1975	16,928	50,559	7,877	59,610	65,803
1976	15,775	53,286	8,310	60,751	65,976
1977	14,350	69,729	24,629	59,450	67,478
1978	15,634	68,781	30,398	54,017	66,883
1979	16,015	73,524	38,273	51,266	68,299
1980	15,532	80,440	48,704	47,268	74,244
1981	15,620	99,707	50,826	64,501	85,016

¹ Figures exclude pond fish production.

Source: Department of Primary Production

6. INDUSTRIAL PRODUCTION

Census of Industrial Production

A census of manufacturing establishments employing ten or more workers in the private and public sectors 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, supervi-

sors, 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.

Value Added: 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 re-based in 1980, using the weighting pattern derived from the 1978 Census of Industrial Production. Production data for the four quarters of 1978 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 Classification of All Economic Activities, 1969. Granite quarrying, production of electricity and gas, and construction activity are not covered by the index.

6.1 PRINCIPAL STATISTICS OF INDUSTRIAL PRODUCTION

Year	Establishments	Workers	Input	Output	Value Added	Employees Remuneration	Capital Expenditure	Direct Exports
	Number		Million Dollars					
1971	1,855	146,352	3,790.8	5,288.8	1,420.3	521.5	466.1	2,362.3
1972	* 1,971	175,241	4,230.0	6,126.7	1,820.5	666.2	652.0	2,911.2
1973	2,117	202,713	5,967.3	8,705.6	2,606.2	881.3	791.7	4,778.8
1974	2,219	210,002	10,453.2	14,237.0	3,596.8	1,096.2	626.3	8,520.1
1975	2,424	195,001	9,479.2	13,197.4	3,463.8	1,200.9	629.9	7,609.9
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*	3,587	282,719	26,374.5	37,080.9	9,853.5	2,848.6	..	22,374.0

Note: Establishments engaging 10 or more workers.
Data include rubber processing and granite quarrying.

6.2 SELECTED RATIOS OF PRINCIPAL MANUFACTURING STATISTICS

Year	Value Added Per Worker	Output Per Worker	Value Added to Output	Remuneration to Value Added	Remuneration to Output	Direct Exports to Total Sales	Direct Exports to Output
	Dollars		Per Cent				
1971	9,705	36,137	26.9	36.7	9.9	44.1	44.7
1972	10,388	34,962	29.7	36.6	10.9	47.9	47.5
1973	12,856	42,945	29.9	33.8	10.1	54.9	54.9
1974	17,127	67,795	25.3	30.5	7.7	60.7	59.8
1975	17,763	67,679	26.2	34.7	9.1	58.6	57.7
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*	34,853	131,158	26.6	28.9	7.7	..	60.3

Note: See notes to Table 6.1

6.3 INDUSTRIAL ESTABLISHMENTS BY INDUSTRY

Number

Industrial Code	Industry	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981*
311/2	Food	225	229	223	225	237	234	232	254	268	278	279
313	Beverage	20	20	19	17	15	14	14	14	14	16	15
314	Tobacco Products	9	8	8	8	9	9	9	8	8	8	8
321	Textiles & Textile Manufactures	53	60	68	68	72	72	69	79	93	99	101
322	Wearing Apparel except Footwear	174	188	205	222	252	257	300	345	365	374	392
323	Leather & Leather Products	22	24	25	26	29	30	34	44	42	42	42
324	Footwear	43	46	42	35	34	38	38	48	55	55	62
331	Sawntimber & Other Wood Products except Furniture	162	164	173	156	147	133	127	134	133	131	135
332	Furniture & Fixtures except primarily of Metal, Stone & Plastics	46	49	46	51	58	63	70	94	107	117	123
341	Paper & Paper Products	59	67	68	70	74	79	80	86	94	93	98
342	Printing & Publishing	166	178	184	191	207	222	236	261	270	289	307
351	Industrial Chemicals & Gases	18	20	22	20	27	29	27	29	34	45	45
352	Paints, Pharmaceuticals & Other Chemical Products	73	77	80	79	83	86	86	88	85	89	89
353/4	Petroleum Refineries & Petroleum Products	9	9	10	11	11	11	12	11	10	10	11
355	Processing of Jelutong & Gum Damar	5	6	8	7	7	6	6	5	5	5	5
356	Rubber Products except Footwear & Toys	29	29	28	28	28	27	25	24	27	27	28
357	Plastic Products	68	84	99	107	126	137	160	175	184	195	208
361/2	Pottery, China, Earthenware & Glass Products	9	12	12	11	10	12	12	11	12	13	13
363	Structural Clay Products	13	11	11	11	12	12	12	9	9	9	9
364	Cement	3	3	3	3	4	5	5	5	5	5	5

6.3 INDUSTRIAL ESTABLISHMENTS BY INDUSTRY (continued)

Number												
Industrial Code	Industry	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981*
365	Structural Cement & Concrete Products	18	17	17	19	24	26	26	28	28	34	36
369	Non-metallic Mineral Products	16	19	20	21	20	21	22	23	23	28	29
371	Iron & Steel	14	13	16	16	16	15	15	15	16	17	17
372	Non-ferrous Metals	5	4	6	6	6	5	7	8	10	12	12
381	Fabricated Metal Products except Machinery & Equipment	160	174	200	210	237	244	261	305	310	338	366
382	Machinery except Electrical & Electronic	107	112	145	164	204	236	226	259	274	295	335
383	Electrical Machinery, Apparatus, Appliances & Supplies	50	61	66	82	87	99	105	115	117	119	122
384	Electronic Products & Components	28	30	41	57	63	74	90	101	141	172	182
385	Transport Equipment	87	95	109	130	157	183	202	223	216	253	278
386	Instrumentation Equipment, Photographic & Optical Goods	17	19	24	30	32	36	37	41	47	55	57
390	Other Manufacturing Industries	105	103	101	98	97	90	93	104	120	132	144
	TOTAL MANUFACTURING EXCLUDING RUBBER PROCESSING	1,813	1,931	2,079	2,179	2,385	2,505	2,638	2,946	3,122	3,355	3,553
	Rubber Processing	25	23	21	22	20	19	17	16	15	14	14
	TOTAL MANUFACTURING INCLUDING RUBBER PROCESSING	1,838	1,954	2,100	2,201	2,405	2,524	2,655	2,962	3,137	3,369	3,567
	Granite Quarrying	17	17	17	18	19	21	19	17	19	22	20
	TOTAL	1,855	1,971	2,117	2,219	2,424	2,545	2,674	2,979	3,156	3,391	3,587

Note: Establishments engaging 10 or more workers.

6.4 INDUSTRIAL OUTPUT BY INDUSTRY

Million Dollars

Industrial Code	Industry	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981*
311/2	Food	577.6	552.0	714.9	930.2	843.5	938.0	1,219.0	1,229.8	1,452.7	1,661.5	1,650.6
313	Beverage	70.1	73.3	80.5	97.8	130.5	150.7	168.3	205.5	219.7	249.1	305.9
314	Tobacco Products	94.0	102.7	129.8	142.7	144.5	153.6	166.4	171.1	166.0	171.3	193.0
321	Textiles & Textile Manufactures	128.5	192.9	313.8	292.4	259.7	359.9	346.6	352.6	425.8	488.8	488.6
322	Wearing Apparel except Footwear	122.6	206.7	289.3	269.1	286.1	406.1	479.5	633.1	737.0	848.4	809.7
323	Leather & Leather Products	13.7	16.7	27.9	25.6	22.0	31.1	44.2	50.4	51.4	47.0	54.1
324	Footwear	23.7	25.9	23.7	27.2	30.3	33.9	30.8	34.7	51.5	53.6	63.8
331	Sawntimber & Other Wood Products except Furniture	199.0	261.0	466.7	358.1	311.5	422.0	437.4	550.2	796.1	749.8	680.2
332	Furniture & Fixtures except primarily of Metal, Stone & Plastics	29.6	29.0	37.9	44.3	48.7	61.3	79.1	116.9	160.9	227.5	264.6
341	Paper & Paper Products	44.4	60.6	84.9	103.6	96.8	114.8	127.3	158.7	209.2	272.7	311.3
342	Printing & Publishing	117.3	143.2	168.3	221.2	225.2	290.2	335.6	375.5	431.2	550.4	696.4
351	Industrial Chemicals & Gases	50.8	72.9	108.8	172.1	154.5	210.1	227.0	183.3	255.2	346.1	401.6
352	Paints, Pharmaceuticals & Other Chemical Products	88.1	100.4	184.3	236.7	274.8	311.9	344.9	411.1	429.9	583.3	653.1
353/4	Petroleum Refineries & Petroleum Products	1,553.5	1,680.2	1,967.9	5,705.5	4,753.3	6,118.8	7,022.4	7,498.3	9,308.1	11,520.5	13,881.5
355	Processing of Jelutong & Gum Damar	12.9	13.1	17.6	22.6	20.2	16.4	21.0	19.3	22.8	25.9	27.0
356	Rubber Products except Footwear & Toys	44.2	43.2	48.0	54.6	54.3	57.8	62.0	66.8	89.9	89.7	86.4
357	Plastic Products	44.3	60.5	108.2	130.0	120.7	160.7	204.2	277.8	380.7	498.1	523.5
361/2	Pottery, China, Earthenware & Glass Products	14.2	15.9	22.6	30.0	28.3	37.0	41.0	49.7	60.9	68.0	82.5
363	Structural Clay Products	11.2	13.2	17.2	21.8	16.2	20.2	20.4	14.2	21.3	30.7	37.3
364	Cement	41.1	58.1	74.9	127.2	157.1	161.5	165.9	179.9	225.2	277.1	330.0

6.4 INDUSTRIAL OUTPUT BY INDUSTRY (continued)

Million Dollars

Industrial Code	Industry	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981*
365	Structural Cement & Concrete Products	12.8	14.4	22.1	32.7	58.2	64.4	65.3	71.2	95.5	156.5	206.4
369	Non-metallic Mineral Products	33.6	30.9	58.0	79.0	88.4	85.0	96.9	89.4	102.8	115.4	134.8
371	Iron & Steel	57.0	73.3	105.3	176.7	148.3	152.4	145.0	192.9	272.1	338.1	342.4
372	Non-ferrous Metals	22.0	21.1	33.4	49.4	41.3	33.8	53.7	56.1	135.4	190.4	176.0
381	Fabricated Metal Products except Machinery & Equipment	222.7	246.4	340.9	454.0	506.9	507.1	597.9	748.8	965.5	1,234.9	1,303.5
382	Machinery except Electrical & Electronic	137.8	223.4	338.5	573.0	754.7	676.9	701.0	844.4	1,183.5	1,662.7	2,044.2
383	Electrical Machinery, Apparatus, Appliances & Supplies	118.1	206.4	332.9	444.0	414.5	531.8	541.1	727.4	758.4	974.4	1,129.0
384	Electronic Products and Components	278.3	529.3	905.5	1,333.4	1,229.3	1,722.6	2,137.2	2,548.4	3,963.0	5,344.0	5,876.0
385	Transport Equipment	384.7	463.1	636.2	918.2	1,056.8	1,117.6	1,251.3	1,342.8	1,548.0	2,043.5	2,570.3
386	Instrumentation Equipment, Photographic & Optical Goods	25.6	69.2	128.3	115.9	182.3	193.2	184.1	237.6	276.6	382.8	292.7
390	Other Manufacturing Industries	125.6	123.3	149.9	157.5	151.3	176.4	201.8	228.9	337.5	455.6	573.8
	TOTAL MANUFACTURING EXCLUDING RUBBER PROCESSING	4,699.2	5,722.2	7,938.1	13,346.9	12,610.1	15,317.4	17,518.2	19,666.7	25,133.7	31,657.9	36,190.2
	Rubber Processing	571.0	385.9	748.6	867.9	555.2	814.0	744.1	801.3	1,170.2	1,052.5	747.2
	TOTAL MANUFACTURING INCLUDING RUBBER PROCESSING	5,270.3	6,108.1	8,686.7	14,214.8	13,165.3	16,131.4	18,262.4	20,468.0	26,303.9	32,710.4	36,937.4
	Granite Quarrying	18.5	18.6	18.9	22.2	32.1	43.6	31.1	24.3	27.1	95.3	143.5
	TOTAL	5,288.8	6,126.7	8,705.6	14,237.0	13,197.4	16,175.0	18,293.5	20,492.3	26,331.0	32,805.8	37,080.9

Note: See note to Table 6.3.

6.5 VALUE ADDED OF INDUSTRIAL ESTABLISHMENTS BY INDUSTRY

Million Dollars

Industrial Code	Industry	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981*
311/2	Food	92.1	103.4	128.9	147.2	149.7	157.5	198.8	206.8	235.2	261.6	251.9
313	Beverage	35.1	33.0	38.6	45.7	57.2	66.9	69.2	81.4	91.9	109.0	127.8
314	Tobacco Products	24.7	25.8	30.8	41.9	34.7	34.7	37.0	41.0	42.8	52.6	50.9
321	Textiles & Textile Manufactures	40.3	64.9	121.7	85.9	78.6	117.2	108.8	115.3	137.0	157.6	163.8
322	Wearing Apparel except Footwear	34.9	59.5	82.4	78.9	92.2	135.9	156.7	206.5	230.2	266.4	244.7
323	Leather & Leather Products	2.8	3.5	5.1	5.8	4.6	9.0	12.7	13.3	13.2	13.4	17.1
324	Footwear	8.5	10.3	8.5	9.2	11.6	11.5	10.9	12.6	16.8	19.2	22.1
331	Sawntimber & Other Wood Products except Furniture	66.3	78.1	140.3	97.3	80.8	129.1	140.8	180.6	220.9	180.7	171.5
332	Furniture & Fixtures except primarily of Metal, Stone & Plastics	12.4	12.0	15.1	19.1	21.4	26.8	31.2	43.4	59.3	84.3	98.1
341	Paper & Paper Products	14.8	21.1	31.9	36.4	31.8	39.9	45.8	54.3	73.2	94.5	107.1
342	Printing & Publishing	62.4	83.4	92.7	120.8	124.9	145.9	172.0	190.8	217.1	277.9	343.6
351	Industrial Chemicals & Gases	22.2	32.4	50.9	46.8	44.9	51.9	59.3	65.3	85.8	109.4	142.0
352	Paints, Pharmaceuticals & Other Chemical Products	36.9	44.0	88.6	117.5	137.4	154.6	172.5	226.0	224.6	304.2	326.0
353/4	Petroleum Refineries & Petroleum Products	281.0	280.6	362.3	864.6	605.0	698.5	774.2	787.0	916.0	1,470.4	1,776.9
355	Processing of Jelutong & Gum Damar	1.7	1.4	2.1	2.1	2.5	2.1	1.9	1.8	2.7	2.9	3.3
356	Rubber Products except Footwear & Toys	23.2	22.0	22.8	23.1	24.8	26.4	27.3	28.2	38.1	39.2	34.4
357	Plastic Products	17.7	26.5	41.0	44.0	40.7	50.1	72.1	97.0	134.2	173.8	199.0
361/2	Pottery, China, Earthenware & Glass Products	7.7	8.0	11.0	13.6	11.8	14.3	17.6	25.1	27.3	24.6	30.3
363	Structural Clay Products	8.5	9.7	12.7	14.8	10.0	12.4	12.9	9.4	13.1	18.8	21.4
364	Cement	7.3	12.7	22.0	30.5	44.9	48.4	45.4	36.5	47.0	48.8	65.6

6.5 VALUE ADDED OF INDUSTRIAL ESTABLISHMENTS BY INDUSTRY (continued)

Million Dollars

Industrial Code	Industry	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981*
365	Structural Cement & Concrete Products	4.1	4.8	7.4	11.7	18.9	19.6	24.7	28.3	31.2	53.7	74.9
369	Non-metallic Mineral Products	16.4	14.1	29.4	35.5	37.0	38.7	43.1	40.3	46.0	53.1	59.6
371	Iron & Steel	15.8	27.0	52.4	100.2	51.5	54.3	66.3	92.0	111.9	131.9	133.3
372	Non-ferrous Metals	5.8	5.1	11.4	12.8	11.2	7.2	13.4	13.5	19.0	21.8	16.4
381	Fabricated Metal Products except Machinery & Equipment	73.1	88.0	125.1	151.8	173.1	179.2	212.6	258.2	325.5	416.3	446.6
382	Machinery except Electrical & Electronic	54.0	87.6	145.6	252.5	330.0	343.2	356.5	414.7	526.7	744.8	933.3
383	Electrical Machinery, Apparatus, Appliances & Supplies	43.3	83.2	132.0	177.5	150.7	184.0	206.3	245.5	287.2	356.8	409.6
384	Electronic Products & Components	127.9	251.9	350.9	436.1	402.2	557.3	643.4	820.2	1,200.4	1,668.8	1,781.2
385	Transport Equipment	186.4	233.5	297.4	432.9	501.6	508.5	595.0	636.3	802.4	1,060.2	1,338.5
386	Instrumentation Equipment, Photographic & Optical Goods	5.8	22.6	48.3	35.7	87.8	88.9	93.7	123.6	130.0	172.4	139.1
390	Other Manufacturing Industries	33.5	32.0	31.2	36.3	37.5	47.7	53.3	68.2	106.5	132.5	151.3
	TOTAL MANUFACTURING EXCLUDING RUBBER PROCESSING	1,366.5	1,782.3	2,540.6	3,528.2	3,411.1	3,961.8	4,475.5	5,162.9	6,412.9	8,521.9	9,681.3
	Rubber Processing	38.0	22.3	50.2	50.9	27.9	45.6	38.1	36.7	87.7	51.5	48.7
	TOTAL MANUFACTURING INCLUDING RUBBER PROCESSING	1,404.6	1,804.5	2,590.8	3,579.1	3,439.0	4,007.4	4,513.6	5,199.6	6,500.6	8,573.4	9,730.0
	Granite Quarrying	15.7	16.0	15.4	17.7	24.8	33.7	26.0	20.4	23.3	79.4	123.5
	TOTAL	1,420.3	1,820.5	2,606.2	3,596.8	3,463.8	4,041.1	4,539.6	5,220.0	6,523.9	8,652.8	9,853.5

Note: See note to Table 6.3.

6.6 WORKERS ENGAGED IN INDUSTRIAL PRODUCTION BY INDUSTRY

Number

Industrial Code	Industry	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981*
311/2	Food	9,705	9,898	9,416	9,282	8,725	8,567	9,200	9,636	10,181	10,053	10,076
313	Beverage	2,354	2,549	2,715	2,665	2,640	2,639	2,506	2,596	2,739	2,650	2,758
314	Tobacco Products	1,014	1,105	1,188	1,137	1,301	1,179	1,225	1,263	1,239	1,277	1,196
321	Textiles & Textile Manufactures	8,850	12,415	14,103	12,181	11,380	11,620	10,526	9,792	10,087	9,710	8,681
322	Wearing Apparel except Footwear	13,389	18,124	20,909	18,559	17,966	20,673	23,262	28,983	29,274	27,188	27,346
323	Leather & Leather Products	746	761	709	702	863	968	1,223	1,351	1,284	1,244	1,278
324	Footwear	2,191	2,389	1,964	1,855	1,901	1,738	1,471	1,546	1,633	1,524	1,464
331	Sawntimber & Other Wood Products except Furniture	10,794	12,247	13,127	11,990	9,435	8,784	8,859	10,056	11,418	10,376	10,160
332	Furniture & Fixtures except primarily of Metal	2,068	2,091	2,347	2,626	2,625	2,935	3,427	4,697	5,678	6,145	6,341
341	Paper & Paper Products	2,698	3,061	3,409	3,334	3,366	3,617	3,604	3,801	4,035	4,294	4,489
342	Printing & Publishing	7,328	7,587	7,734	8,281	8,511	9,082	9,847	11,105	11,514	12,101	12,523
351	Industrial Chemicals & Gases	1,094	1,298	1,400	1,412	1,558	1,554	1,520	1,688	1,906	2,138	2,201
352	Paints, Pharmaceuticals & Other Chemical Products	3,027	2,986	3,474	3,408	3,574	3,484	3,762	3,800	3,822	4,300	4,324
353/4	Petroleum Refineries & Petroleum Products	2,526	2,659	3,064	3,103	3,331	3,167	3,094	3,082	3,212	3,342	3,515
355	Processing of Jelutong & Gum Damar	222	246	262	222	205	164	158	135	148	145	148
356	Rubber Products except Footwear & Toys	1,702	1,697	1,603	1,510	1,462	1,479	1,455	1,562	1,828	1,941	1,950
357	Plastic Products	2,911	3,842	4,648	4,548	4,847	5,346	6,366	7,770	8,374	9,225	9,107
361/2	Pottery, China, Earthenware & Glass Products	977	1,020	990	1,020	684	791	819	824	893	955	989
363	Structural Clay Products	1,005	1,050	1,043	943	815	901	830	477	482	474	444
364	Cement	424	440	468	499	568	579	541	551	538	461	450

6.6 WORKERS ENGAGED IN INDUSTRIAL PRODUCTION BY INDUSTRY (continued)

Number

Industrial Code	Industry	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981*
365	Structural Cement & Concrete Products	557	560	681	716	1,185	1,125	1,149	1,284	1,298	1,458	1,442
369	Non-metallic Mineral Products	1,202	1,281	1,442	1,745	1,700	1,735	1,440	1,427	1,205	1,315	1,323
371	Iron & Steel	1,254	1,306	1,447	1,692	1,557	1,522	1,456	1,518	1,802	1,878	1,908
372	Non-ferrous Metals	548	389	526	558	445	139	516	620	489	459	389
381	Fabricated Metal Products except Machinery & Equipment	9,128	9,740	10,356	11,019	11,206	11,880	12,671	14,619	16,062	17,669	18,024
382	Machinery except Electrical & Electronic	6,624	8,561	10,934	13,580	16,753	15,927	14,827	17,344	18,910	20,274	20,728
383	Electrical Machinery, Apparatus, Appliances & Supplies	6,659	11,087	14,946	18,134	12,278	13,644	13,237	15,206	14,728	15,933	16,813
384	Electronic Products & Components	11,847	20,121	29,537	32,780	24,351	35,756	41,245	47,455	63,201	71,727	67,858
385	Transport Equipment	18,529	19,600	22,091	24,191	24,890	24,299	25,767	26,312	26,039	27,420	29,364
386	Instrumentation Equipment, Photographic & Optical Goods	1,288	3,179	6,502	8,090	6,941	7,382	7,906	8,214	9,256	10,456	5,287
390	Other Manufacturing Industries	7,891	7,063	5,539	4,285	4,465	4,558	5,203	5,010	6,059	7,118	7,369
	TOTAL MANUFACTURING EXCLUDING RUBBER PROCESSING	140,552	170,352	198,574	206,067	191,528	207,234	219,112	243,724	269,334	285,250	279,945
	Rubber Processing	4,520	3,698	3,239	3,147	2,730	2,641	2,428	2,092	2,044	1,977	1,904
	TOTAL MANUFACTURING INCLUDING RUBBER PROCESSING	145,072	174,050	201,813	209,214	194,258	209,875	221,540	245,816	271,378	287,227	281,849
	Granite Quarrying	1,280	1,191	900	788	743	947	802	651	539	938	870
	TOTAL	146,352	175,241	202,713	210,002	195,001	210,822	222,342	246,467	271,917	288,165	282,719

Note: See Note to Table 6.3.

6.7 REMUNERATION OF EMPLOYEES ENGAGED IN INDUSTRIAL PRODUCTION BY INDUSTRY

Million Dollars

Industrial Code	Industry	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981*
311/2	Food	30.0	33.4	38.6	45.2	47.9	51.8	58.2	65.8	79.1	87.8	100.8
313	Beverage	11.1	12.5	14.6	18.6	22.3	22.9	24.3	26.5	29.9	34.6	46.2
314	Tobacco Products	4.0	5.1	7.2	8.7	8.8	9.5	10.5	11.6	13.2	15.3	17.1
321	Textiles & Textile Manufactures	19.7	31.2	44.2	48.0	47.8	56.0	52.6	54.6	63.0	71.7	72.7
322	Wearing Apparel except Footwear	22.2	33.8	48.5	50.6	53.8	69.8	87.0	118.0	136.3	150.7	165.4
323	Leather & Leather Products	1.4	1.6	2.0	2.5	3.1	4.0	5.1	6.1	6.8	7.4	7.5
324	Footwear	4.4	5.3	5.2	6.7	7.1	7.9	6.4	6.8	7.9	9.7	9.3
331	Sawntimber & Other Wood Products except Furniture	32.6	38.9	51.2	51.0	48.1	48.9	55.8	67.5	81.8	80.1	85.9
332	Furniture & Fixtures except primarily of Metal, Stone & Plastics	6.7	7.6	8.6	11.9	12.7	14.8	16.7	24.4	34.0	44.4	45.7
341	Paper & Paper Products	5.1	6.7	9.7	12.1	13.9	16.0	17.6	21.3	27.0	34.7	44.8
342	Printing & Publishing	28.8	31.5	36.5	45.9	54.1	61.7	70.2	86.6	97.5	118.6	144.2
351	Industrial Chemicals & Gases	6.4	8.5	10.0	11.8	13.3	14.1	16.1	17.8	22.3	28.9	33.2
352	Paints, Pharmaceuticals & Other Chemical Products	10.7	12.6	18.2	22.0	25.7	30.0	35.1	37.7	43.2	53.4	60.0
353/4	Petroleum Refineries & Petroleum Products	42.2	44.6	53.9	60.6	66.1	67.2	67.0	73.5	87.1	99.7	113.0
355	Processing of Jelutong & Gum Damar	0.7	0.8	1.1	1.1	1.1	1.0	1.1	1.0	1.2	1.3	1.4
356	Rubber Products except Footwear & Toys	6.6	7.5	8.3	9.2	9.7	9.9	10.8	11.8	15.6	17.2	19.0
357	Plastic Products	6.3	9.8	14.2	17.6	20.3	23.9	30.0	39.0	48.5	63.9	70.2
361/2	Pottery, China, Earthenware & Glass Products	4.6	5.4	6.1	6.8	6.1	6.9	7.2	8.5	9.9	12.4	16.3
363	Structural Clay Products	3.5	3.8	4.5	5.1	5.2	5.4	5.1	4.1	4.7	5.2	5.8
364	Cement	1.8	2.1	2.8	3.7	4.7	5.0	4.2	5.8	6.5	7.0	8.7

6.7 REMUNERATION OF EMPLOYEES ENGAGED IN INDUSTRIAL PRODUCTION BY INDUSTRY (continued)

Million Dollars

Industrial Code	Industry	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981*
365	Structural Cement & Concrete Products	2.2	2.2	3.0	3.9	7.2	6.8	8.5	9.6	11.1	15.6	16.4
369	Non-metallic Mineral Products	5.7	6.7	8.3	10.4	12.4	14.4	11.4	11.7	12.4	14.6	18.0
371	Iron & Steel	6.2	6.9	9.3	12.4	13.4	14.2	14.8	17.7	22.4	27.4	34.1
372	Non-ferrous Metals	2.0	2.1	2.5	3.6	3.7	1.1	4.7	5.6	5.9	7.9	8.2
381	Fabricated Metal Products except Machinery & Equipment	34.5	37.8	44.8	61.3	68.9	77.8	86.0	116.9	126.7	157.3	168.4
382	Machinery except Electrical & Electronic	25.8	41.2	58.3	91.5	127.8	125.8	129.2	152.6	186.5	228.7	272.1
383	Electrical Machinery, Apparatus, Appliances & Supplies	20.8	36.5	56.7	74.0	70.6	73.8	80.6	99.1	110.1	133.6	155.3
384	Electronic Products & Components	33.5	60.4	100.2	134.0	128.9	186.8	223.0	264.3	393.3	510.7	505.8
385	Transport Equipment	103.2	123.2	150.8	192.4	220.1	223.0	266.2	282.7	304.3	363.5	438.7
386	Instrumentation Equipment, Photographic & Optical Goods	4.5	12.8	27.5	37.5	37.5	39.2	41.6	48.3	59.9	76.0	71.6
390	Other Manufacturing Industries	16.3	16.2	14.8	15.9	18.1	20.5	24.7	27.5	37.7	47.6	58.7
	TOTAL MANUFACTURING EXCLUDING RUBBER PROCESSING	503.2	648.7	861.4	1,075.9	1,180.5	1,309.8	1,471.7	1,724.2	2,085.9	2,526.9	2,814.5
	Rubber Processing	12.2	11.0	14.2	15.0	13.9	15.1	14.2	13.8	16.6	18.5	20.8
	TOTAL MANUFACTURING INCLUDING RUBBER PROCESSING	515.4	659.6	875.7	1,090.9	1,194.5	1,324.9	1,485.9	1,738.0	2,102.5	2,545.4	2,835.3
	Granite Quarrying	6.0	6.5	5.6	5.3	6.4	7.7	8.6	5.9	5.5	10.8	13.3
	TOTAL	521.5	666.2	881.3	1,096.2	1,200.9	1,332.6	1,494.6	1,743.9	2,108.0	2,556.2	2,848.6

Note: See Note to Table 6.3.

6.8 VOLUME OF OUTPUT OF SELECTED MANUFACTURED PRODUCTS

Commodity	Unit	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
Animal Feed	Thousand Tonnes	345	354	409	343	309	240	291	300	306	334
Soft Drinks	Million Litres	88	124	97	107	114	125	144	175	170	175
Refined Cooking Oil	Tonnes	36,114	35,995	32,762	31,294	35,315	45,252	50,377	50,780	43,829	59,685
Cigarettes & Cigars	Tonnes	2,699	2,901	3,296	3,443	3,331	3,183	3,409	3,463	3,182	3,086
Sawntimber	Thousand Cubic Metres	657	728	824	500	381	443	302	364	371	282
Plywood	Million Square Metres	46	69	110	82	106	118	109	143	165	123
Newspapers	Million Copies	111	124	131	135	145	173	171	197	216	225
Paints	Kilolitres	10,024	9,869	11,304	12,309	12,082	13,731	18,152	19,972	20,258	22,310
Soap & Detergents	Tonnes	21,027	22,325	24,264	21,013	18,503	26,993	24,071	21,613	23,532	29,141
Aviation Kerosene ¹	Thousand Tonnes	3,728	4,746	4,085	3,493	3,278	4,165	3,756	4,708	5,033	3,709
Diesel Oil ¹	Thousand Tonnes	3,882	4,374	4,567	4,307	3,863	5,046	5,569	6,780	6,566	4,619
Fuel Oil ¹	Thousand Tonnes	10,535	13,097	11,213	10,526	8,106	9,127	10,209	10,154	10,340	6,457
Bricks	Thousand Pieces	79,827	77,436	91,511	96,796	80,673	92,377	85,231	72,628	91,191	92,122
Cement	Thousand Tonnes	802	1,045	1,115	1,181	1,337	1,532	1,550	1,628	1,808	1,952
Air Conditioners	Thousand	15	19	20	17	17	19	26	31	40	33
Refrigerators	Thousand	32	40	54	43	45	54	57	73	80	93
Radios	Thousand	2,389	6,628	7,926	8,988	7,221	10,737	9,726	11,717	16,748	17,070
Television Receivers	Thousand Sets	34	84	114	195	397	486	560	725	1,390	1,889

1 Prior to 1980 data included the quantity of products processed for third party overseas.

6.9 VALUE OF OUTPUT OF SELECTED MANUFACTURED PRODUCTS

Million Dollars

Commodity	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
Animal Feed	109.8	113.4	163.1	162.2	139.5	111.7	146.8	148.4	160.6	201.8
Soft Drinks	30.4	35.0	33.7	47.1	61.5	76.1	88.8	112.1	120.1	126.4
Refined Cooking Oil	36.3	30.9	52.2	76.1	50.0	62.7	93.4	94.3	80.4	120.4
Cigarettes & Cigars	292.2	101.1	127.9	140.7	142.4	150.0	161.5	164.9	160.1	165.2
Fabrics	52.4	65.7	101.3	89.8	106.5	151.1	138.0	158.6	190.7	195.9
Sawntimber	76.3	101.9	173.6	90.0	67.3	94.2	73.8	95.9	125.3	103.1
Plywood	61.4	86.9	203.3	163.5	172.2	224.1	234.7	296.8	466.6	411.9
Newspapers	17.2	17.0	18.4	31.9	28.8	31.5	33.1	35.6	39.0	45.8
Paints	18.4	23.6	30.6	42.9	42.9	43.5	58.5	65.5	72.5	87.8
Pharmaceutical Products	10.8	8.4	65.6	92.6	131.3	142.0	155.5	201.0	179.5	258.4
Soap & Detergents	16.8	18.5	21.6	25.9	24.8	32.4	33.6	32.1	37.9	62.2
Aviation Kerosene ¹	314.5	408.2	432.2	972.4	932.1	1,263.3	1,186.6	1,406.4	2,100.1	2,590.3
Diesel Oil ¹	262.5	307.3	405.7	1,048.3	968.2	1,327.8	1,534.6	1,784.5	2,518.6	2,990.0
Fuel Oil ¹	401.6	505.2	546.7	1,794.0	1,425.5	1,778.4	2,090.3	1,899.4	2,621.9	2,544.8
Bricks	7.8	8.6	10.6	14.6	12.8	14.9	13.9	12.1	19.5	28.5
Cement	41.1	58.1	73.4	127.2	153.5	158.6	165.9	179.9	225.2	277.1
Air Conditioners	9.4	12.0	11.5	10.6	9.9	12.3	16.0	24.1	28.8	22.6
Refrigerators	12.5	13.7	21.9	20.0	21.9	25.6	31.7	47.0	51.8	60.1
Oil Rigs & Oilfield Equipment	56.4	110.5	162.9	309.9	443.1	350.3	279.2	344.1	556.5	806.7
Electronic Products excluding TV Receivers & Radios	223.4	381.0	725.5	1,070.0	910.6	1,347.5	1,707.1	1,935.3	2,858.4	3,873.8
Radios	24.4	118.6	145.9	195.7	201.4	226.9	248.0	337.4	651.6	882.6
Television Receivers	24.2	25.1	28.2	61.9	105.9	133.4	160.9	234.6	399.5	512.7
Shipbuilding & Repairing	285.1	350.7	469.1	688.3	866.6	939.4	981.8	1,002.3	1,105.6	1,547.6
Marine Engines & Parts	13.1	18.4	26.2	42.8	47.5	44.4	61.3	64.9	84.5	109.6
Photographic Equipment & Optical Goods	12.8	40.9	73.9	79.5	120.4	99.2	87.5	90.1	107.9	125.3

1 Prior to 1980 data included the value of products processed for third party overseas.

6.10 INDEX OF INDUSTRIAL PRODUCTION
(1978 = 100)

Industrial Code	Major Industry Group	Weights	1980				1981			
			1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr*
	Total Manufacturing excluding Rubber Processing	1000.0	117.0	129.6	132.4	137.9	129.3	145.9	146.0	145.1
311/2	Food	40.0	115.2	113.1	112.2	110.7	106.6	115.1	100.7	108.8
313	Beverage	15.8	105.3	108.0	123.8	111.2	115.7	127.9	127.8	107.0
314	Tobacco Products	7.9	105.6	90.6	96.7	89.1	97.3	92.3	97.6	101.8
321	Textiles & Textile Manufactures	22.4	102.6	103.1	100.5	104.5	90.2	93.3	92.9	89.5
322	Garments	40.0	94.4	106.3	90.8	109.8	81.1	97.1	86.3	109.7
323	Leather & Leather Products	2.6	83.9	78.2	90.2	99.7	88.7	84.5	85.9	80.3
324	Footwear	2.5	88.5	120.4	99.6	132.8	109.7	131.6	145.8	94.6
331	Sawntimber & Other Wood Products except Furniture	34.8	84.4	81.2	71.8	69.4	68.6	74.4	71.7	75.3
332	Furniture & Fixtures except primarily of Metal, Stones & Plastics	8.4	125.3	131.7	130.3	140.4	145.0	165.4	173.1	183.3
341	Paper & Paper Products	10.5	103.0	117.7	129.3	119.6	108.1	127.0	122.7	125.8
342	Printing & Publishing	36.9	97.5	109.0	139.7	151.5	113.1	137.8	159.9	136.0
351	Industrial Chemicals & Gases	11.8	101.4	115.6	107.4	114.3	112.6	130.4	122.8	132.8
352	Paints & Chemical Products	43.9	108.6	119.7	122.0	127.0	120.4	120.9	128.9	131.1
353/4	Petroleum Products	152.4	104.5	96.0	96.9	106.7	104.7	121.2	122.2	123.8
355	Processing of Jelutong & Gum Damar	0.3	107.7	98.7	106.6	96.8	96.4	106.0	125.7	205.0
356	Rubber Products except Rubber Footwear	5.5	95.9	100.4	105.4	118.4	88.0	89.6	101.5	105.5

6.10 INDEX OF INDUSTRIAL PRODUCTION (continued)
(1978 = 100)

Industrial Code	Major Industry Group	Weights	1980				1981			
			1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr*
357	Plastic Products	19.4	86.9	95.7	98.8	91.9	94.6	99.0	89.7	86.2
361/2	Pottery, Earthenware & Glass Products	4.8	98.8	107.9	92.4	107.3	123.7	147.3	130.1	136.5
363	Structural Clay Products	1.8	122.9	125.9	115.3	105.0	107.7	119.7	119.6	121.8
364	Cement & Cement Additives	7.4	112.8	109.7	115.3	117.0	118.7	133.6	130.4	142.5
365	Structural Cement & Concrete Products	5.5	87.8	83.5	99.8	102.1	108.4	83.5	87.1	92.7
	Non-metallic Mineral Products nec	8.0	93.4	88.2	105.9	89.4	63.6	134.5	136.3	114.7
371	Iron & Steel	17.4	114.1	129.4	112.9	101.8	110.2	128.4	118.4	144.2
372	Non-ferrous Metals	2.6	161.7	159.6	137.2	136.5	132.0	127.5	135.7	118.8
	Fabricated Metal Products	49.9	100.3	116.5	117.8	121.6	108.4	126.5	120.6	136.8
382	Calculators, Refrigerators, Air-conditioners & Industrial Machinery	76.7	137.8	155.4	168.0	176.9	164.5	184.4	188.2	178.3
383	Electrical & Electronic Equipment & Appliances	192.2	144.9	173.9	171.4	166.8	163.9	189.6	176.3	160.6
384	Transport Equipment & Oil Rigs	141.6	128.7	155.5	165.0	186.2	169.7	190.7	213.9	225.5
	Other Manufacturing Industries including Precision Equipment	37.1	100.3	113.1	120.5	124.2	115.1	105.6	92.4	78.0

6.11 NET INVESTMENT COMMITMENTS IN MANUFACTURING BY INDUSTRY

Million Dollars

Industry	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
Food & Beverages	3.4	2.0	-	2.6	14.4	27.4	8.5	40.8	103.5	91.7
Textiles	2.2	14.5	20.9	0.9	6.5	1.7	11.0	14.2	32.6	17.7
Wearing Apparel	6.4	-	-	-	1.5	3.0	2.7	1.4	8.0	8.3
Wood Products	14.2	9.3	6.9	1.4	8.3	5.3	9.8	33.2	32.0	20.0
Paper Products & Printing	-	6.3	1.0	-	1.0	4.2	-	8.0	27.2	161.8
Industrial Chemicals	2.1	5.1	26.0	7.5	5.0	4.9	13.9	5.4	146.8	63.8
Plastic Products	6.7	6.3	-	4.3	11.9	8.6	13.4	34.0	66.8	41.9
Other Chemical Products	0.9	2.4	15.0	2.0	0.4	1.2	14.5	31.0	31.1	95.7
Petroleum	-	-	-	135.0	16.0	66.2	330.0	224.5	200.0	162.0
Non-metallic Minerals	9.4	7.0	19.0	-	0.7	-	-	7.1	65.7	55.6
Basic Metals	1.3	4.0	24.0	1.4	15.4	1.0	2.5	-	-	16.3
Fabricated Metal Products	2.4	1.2	5.2	17.3	16.8	6.8	13.8	56.2	75.6	100.2
Machinery except Electrical	50.7	86.0	41.8	70.7	51.4	77.9	45.5	151.9	121.3	315.4
Electrical Machinery & Appliances	92.0	34.4	4.9	13.3	142.3	120.3	292.4	253.9	405.2	451.5
Transport Equipment	0.7	62.5	105.0	42.0	0.7	36.1	-	18.5	58.4	268.8
Precision Equipment	-	-	18.1	1.3	6.4	7.7	33.9	31.5	29.0	29.7
Other Products	2.1	54.9	4.1	6.6	4.7	24.1	20.5	32.0	26.2	3.8
Servicing/Engineering	-	-	-	-	-	-	-	-	2.5	34.2
Total	194.5	295.9	291.9	306.3	303.3	396.4	812.4	943.6	1,431.9	1,938.4
Foreign	156.3	224.1	168.8	246.8	260.5	362.6	765.7	823.4	1,226.3	1,328.2
Local	38.2	71.8	123.1	59.5	42.8	33.8	46.7	120.2	205.6	610.2

Note: Net investment commitments refer to gross commitments less projects withdrawn or uncertain as at 31 December 1981.

Source: Economic Development Board

6.12 PRINCIPAL STATISTICS OF PIONEER MANUFACTURING ESTABLISHMENTS

End of Year	In Production					Under Implementation			
	Establish- ments	Persons Employed	Output	Paid-up Capital	Gross Fixed Assets	Establish- ments	Persons Employed	Paid-up Capital	Gross Fixed Assets
	Number		Million Dollars			Number		Million Dollars	
1970	263	50,504	1,749	669	1,182	34	739	67	67
1971	291	66,124	2,403	794	1,582	24	449	114	148
1972	313	86,464	3,380	967	2,194	17	708	78	245
1973	319	96,018	4,676	1,209	2,787	15	139	19	10
1974	318	79,870	9,502	1,337	3,085	14	312	26	19
1975	314	78,659	7,454	1,434	3,355	7	79	15	15
1976	293	87,405	8,921	1,414	3,413	4	31	2	20
1977	323	94,410	10,453	1,505	3,823	16	594	19	48
1978	350	109,672	11,376	1,568	4,859	17	660	22	30
1979	393	122,481	14,992	1,726	5,361	22	474	27	44
1980	420	124,280	20,708	1,909	6,296	22	800	65	105

Source: Economic Development Board

6.13 PRINCIPAL STATISTICS OF PIONEER MANUFACTURING ESTABLISHMENTS BY INDUSTRY GROUP, DECEMBER 1980

Industry Group	In Production						Under Implementation			
	Estab- lishments	Persons Employed	Output	Value Added	Gross Fixed Assets	Paid-up Capital	Estab- lishments	Persons Employed	Gross Fixed Assets	Paid-up Capital
	Number		Million Dollars				Number		Million Dollars	
Total	420	124,280	20,708	4,372	6,296	1,909	22	800	105	65
Food & Beverages	25	3,030	638	103	196	156	-	-	-	-
Textiles & Garments	32	11,337	482	170	269	161	-	-	-	-
Wood & Cork Products	10	3,536	197	45	125	71	-	-	-	-
Paper & Paper Products	3	435	27	8	18	15	-	-	-	-
Leather & Rubber Products	7	809	53	24	61	32	1	6	4	-
Basic Industrial Chemicals	13	1,038	172	57	89	49	3	41	20	1
Other Chemical Products except Plastics	23	1,763	184	47	125	62	5	128	20	9
Petroleum & Petroleum Products	7	3,208	12,759	1,418	2,815	271	-	-	-	-
Non-metallic Mineral Products	11	596	131	20	60	30	1	87	3	2
Basic Metal Industries	10	2,132	352	132	154	65	-	-	-	-
Metal Products & Mechanical Engineering	128	32,166	1,551	717	1,028	490	7	306	23	17
Electrical & Electronic Products	105	57,125	3,714	1,388	961	352	4	200	35	31
Transport Equipment	10	3,610	276	187	281	83	-	-	-	-
Plastic Products	20	1,667	87	28	62	44	1	32	-	5
Miscellaneous	16	1,828	85	28	52	28	-	-	-	-

Source: Economic Development Board

7. ELECTRICITY, GAS AND WATER SUPPLY

The Public Utilities Board 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. The St James and Senoko Gas Turbine generating stations are used mainly for emergency and in peak periods. The installed generating capacity remained at 2010 megawatt (MW) of which 1150 MW or 57% is at Senoko. In 1981, Senoko Power Station contributed 66% to the total production of electricity, boosting the increase of the gross thermal efficiency to 35.7%. Maximum demand upon the system increased to 1244 MW.

Construction works on the stage III Project for Senoko Power Station is progressing satisfactorily and its two 250 MW turbine-generators are expected to be operational in 1983. During 1981 work was also begun at Pasir Panjang on the installation of one 96 MW gas turbine to be operational by the end of 1982. Approval was also given for a new power station to be built at Pulau Seraya - the first stage of the station will consist of three 250 MW oil-fired turbine-generators which will be operational in 1987.

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 230 kV network of 4 substations was reinforced by the commissioning of the fifth 230 kV substation at Tampines. The network now consists of 32,754 kilometres (km) of cables, 11,416 megavolt-amperes (MVA) of transformer capacity, 3,040 substations and 229 substation kiosks.

The total number of consumers increased to 579,868 in 1981. Per capita consumption of electricity rose to 2726 kilowatt-hours (kW h) while per capita domestic consumption increased to 447 kW h.

Gas

Gas is produced by 6 naphtha reformers at the Kallang Gasworks with an installed capacity of 0.735 million cubic metres per day. Gas produced during off-peak periods is

stored in the holders in Kallan, Queenstown and used to supplement the supply during the peak demand periods. There is a total of 1,403 kilometres of gas mains in use. Some housing and industrial estates 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.

Water

Water supplies are drawn mainly from 11 impounding reservoirs in Singapore and 3 in Johore with a total maximum storage capacity of 100.1 million cubic metres. Water is also tapped from rivers in Johore. After purification and treatment, water is pumped into 11 service reservoirs from whence distribution is made to consumers.

7.1 ELECTRICITY PRODUCTION AND SALES

Year	Production	Sales								Number of Consumers (End of Period)
		Total	Low Tension				High Tension			
			Public Lighting	Domestic	Non-Industrial	Industrial	Non-Industrial	Industrial	Export	
	Million Kilowatt Hours									
1971	2,585.3	2,268.9	34.0	461.2	521.7	510.5	213.2	528.3	-	291,074
1972	3,143.6	2,766.8	37.6	521.4	673.8	583.1	214.2	746.7	-	313,795
1973	3,719.4	3,304.3	40.8	575.5	803.1	578.3	238.5	1,068.1	-	349,894
1974	3,864.3	3,426.3	39.3	559.0	779.8	548.2	263.9	1,236.1	-	393,081
1975	4,176.0	3,673.3	43.9	643.3	889.2	543.6	313.6	1,239.7	-	404,898
1976	4,604.9	4,038.0	46.6	703.5	986.9	605.7	320.6	1,374.7	-	433,784
1977	5,114.7	4,506.4	49.1	779.0	1,067.1	685.0	365.0	1,561.2	-	467,295
1978	5,898.0	5,213.7	51.5	887.5	1,157.3	695.5	462.2	1,811.3	48.4	504,327
1979	6,447.9	5,743.7	50.4	945.2	1,326.5	853.2	525.1	1,950.1	93.2	531,596
1980	6,940.4	6,198.0	56.7	1,014.3	1,446.3	918.8	573.0	2,096.9	92.0	561,708
1981	7,442.0	6,660.4	60.5	1,092.8	1,517.3	980.3	687.5	2,248.1	73.9	579,868

Source: Public Utilities Board

7.2 GAS PRODUCTION AND SALES

Year	Production	Sales					Number of Consumers (End of Period)
		Total	Domestic		Commercial	Industrial	
			Public Housing	Others			
	Million Kilowatt Hours						
1971	299.5	257.9	113.6	81.6	42.5	20.2	98,298
1972	320.9	278.9	126.5	78.9	54.0	19.5	104,907
1973	344.7	301.1	136.6	80.3	63.3	20.9	115,755
1974	391.1	350.1	156.6	82.1	82.7	28.7	129,003
1975	432.4	383.3	174.0	82.4	96.9	30.0	137,618
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

Source: Public Utilities Board

7.3 WATER CONSUMPTION

Year	Total	Domestic	Shipping	Commerce and Industry	Singapore Government	Statutory Boards And Foreign Armed Forces	Johore	Number of Consumers (End of Period)
	Thousand Cubic Metres							
1971	161,017.7	71,546.4	2,346.7	38,616.1	18,888.0	16,072.2	13,548.3	279,078
1972	175,503.7	78,970.3	2,406.6	46,699.8	20,626.5	10,696.8	16,103.7	298,713
1973	174,949.0	76,726.7	2,673.4	51,186.7	17,537.3	9,847.5	16,977.4	325,026
1974	176,482.3	78,826.1	2,805.1	52,118.4	13,800.1	10,272.1	18,660.5	352,835
1975	192,655.5	87,295.2	3,063.6	55,036.5	13,614.1	12,304.4	21,341.7	381,682
✓ 1976	199,465.8	89,830.9	2,776.1	56,219.2	13,563.6	12,450.8	24,625.2	408,401
1977	211,844.6	95,038.5	2,683.6	60,382.5	12,921.8	12,301.2	28,517.0	438,853
1978	225,596.3	101,640.6	2,812.9	63,215.9	12,284.4	13,396.4	32,246.1	472,247
1979	239,477.1	106,504.5	3,043.1	70,160.4	12,041.3	13,292.1	34,435.7	497,241
1980	258,083.2	113,478.1	3,346.9	75,991.2	11,935.7	13,489.8	39,841.5	527,481
1981	278,216.1	119,436.8	3,495.2	84,417.0	12,420.5	14,685.7	43,760.9	543,201

Source: Public Utilities Board

8. BUILDING CONSTRUCTION AND HOUSING

Building Construction

Statistics on building construction relating to number of units, floor area and value of buildings commenced, under construction, and completed are compiled by the Department of Statistics. These are based on quarterly surveys of building activity covering architects and developers in the private sector who have building plans approved by the Building Control Division of the Public Works Department. For the public sector, similar information is compiled from monthly returns submitted by the relevant government departments and statutory boards.

A building is considered 'commenced' if piling work has been started or demarcation of boundary made. A building is considered 'completed' if it is ready for use or occupation and power and water faci-

lities are available.

Statistics on building activity are revised retrospectively every quarter based on up-to-date information obtained from the latest quarterly survey. The revision reflects primarily changes and amendments in building plans.

Housing and Development Board

The Housing and Development Board (HDB) is the premier public housing authority of the Republic of Singapore. Over 50,000, 60,000, 113,000 and 130,000 housing units were completed during the First (1960-65), Second (1966-70), Third (1971-75) and Fourth (1976-80) Five-Year Building Programmes respectively. In 1981, 12,926 units were completed by the Board, bringing the total units completed between 1960 and 1981 to 366,316 units.

As at end of 1981, 69 per cent of Singapore's total population was housed in HDB flats.

The Board is responsible for the planning and development of new towns and housing estates and the provision of communal facilities such as sports and swimming complexes, commercial, shopping and social facilities. The Board acquires land for public housing, clears designated areas for redevelopment, and resettles families, shopkeepers and farmers on State Lands needed for redevelopment projects such as public housing, urban renewal, airport expansion and road schemes.

In addition to the completed new towns at Queenstown (150,000 residents), Toa Payoh (190,000) and Telok Blangah (70,000), the Board has completed three more new generation towns at the end of the Fourth Five-Year Building Programme in 1980,

viz, Ang Mo Kio (245,000), Bedok (237,000) and Clementi (122,500). Five new towns are now under development at Woodlands, Yishun, Hougang, Jurong East/West and Tampines.

Management of the estates is on a decentralised basis with 28 Area Offices located within the various estates throughout Singapore. Rentals and instalment payments for HDB flats are collected at Area Offices. Shops and eating places are generally located on the ground floor and are allocated by public tender for the purpose of carrying on trade or business.

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.

8.1 BUILDINGS COMMENCED, UNDER CONSTRUCTION AND COMPLETED
(Public and Private Sectors)

Year	Buildings Commenced			Buildings Under Construction ¹			Buildings Completed		
	Number of Units	Floor Area '000 Sq M	Value \$ Million	Number of Units	Floor Area '000 Sq M	Value \$ Million	Number of Units	Floor Area '000 Sq M	Value \$ Million
1971	32,820	4,611	884.6	34,325	6,033	1,437.5	20,837	2,198	338.0
1972	33,516	4,276	747.4	42,311	7,261	1,689.4	25,530	3,049	495.2
1973	28,022	4,183	943.2	45,166	7,939	2,007.4	25,167	3,505	625.9
1974	28,588	4,649	1,219.1	41,948	8,674	2,419.7	31,806	3,913	806.2
1975	49,789	6,952	1,777.9	59,416	10,591	3,002.6	32,321	5,035	1,203.1
1976	34,862	5,359	1,356.7	59,109	10,721	3,014.4	35,169	5,228	1,357.5
1977	35,841	5,503	1,750.2	61,632	11,043	3,475.0	33,318	5,182	1,305.4
1978	28,693	4,829	1,379.0	53,946	10,141	3,449.9	36,379	5,732	1,407.2
1979	27,122	5,358	2,018.3	51,096	10,959	4,252.3	29,968	4,541	1,229.6
1980	21,611	5,652	3,412.7	49,341	11,917	6,170.5	23,369	4,693	1,529.6
1981	42,048	9,436	6,886.3	74,692	17,018	11,171.3	16,697	4,337	1,921.9

¹ End of period.

8.1 BUILDINGS COMMENCED, UNDER CONSTRUCTION AND COMPLETED
(Public Sector)

Year	Buildings Commenced			Buildings Under Construction ¹			Buildings Completed		
	Number of Units	Floor Area '000 Sq M	Value \$ Million	Number of Units	Floor Area '000 Sq M	Value \$ Million	Number of Units	Floor Area '000 Sq M	Value \$ Million
1971	29,592	2,466	297.8	29,593	2,608	408.4	18,969	1,223	157.9
1972	29,033	2,482	350.2	34,991	3,291	545.8	23,635	1,799	212.3
1973	24,778	2,623	558.6	36,797	3,720	802.8	22,972	2,195	300.9
1974	25,447	3,222	722.4	33,437	4,539	1,163.6	28,807	2,402	361.3
1975	48,365	5,911	1,377.2	51,856	7,061	1,822.5	29,946	3,390	709.9
1976	32,966	4,025	849.6	51,948	7,177	1,761.0	32,874	3,908	909.2
1977	34,377	4,359	1,289.8	54,593	7,389	2,107.9	31,732	4,146	958.1
1978	26,244	3,225	712.6	47,295	6,298	1,859.0	33,542	4,317	959.1
1979	24,668	3,633	1,086.6	44,149	6,648	2,212.8	27,813	3,284	743.8
1980	18,030	3,209	1,528.6	41,579	6,974	2,989.8	20,600	2,883	753.3
1981	35,086	5,720	2,991.9	62,319	10,073	4,919.0	14,346	2,620	1,065.1

¹ End of period.

8.1 BUILDINGS COMMENCED, UNDER CONSTRUCTION AND COMPLETED
(Private Sector)

Year	Buildings Commenced			Buildings Under Construction ¹			Buildings Completed		
	Number of Units	Floor Area '000 Sq M	Value \$ Million	Number of Units	Floor Area '000 Sq M	Value \$ Million	Number of Units	Floor Area '000 Sq M	Value \$ Million
1971	3,228	2,145	586.8	4,732	3,425	1,029.1	1,868	975	180.1
1972	4,483	1,794	397.2	7,320	3,970	1,143.6	1,895	1,250	282.9
1973	3,244	1,560	384.6	8,369	4,219	1,204.6	2,195	1,310	325.0
1974	3,141	1,427	496.7	8,511	4,135	1,256.1	2,999	1,511	444.9
1975	1,424	1,041	400.7	7,560	3,530	1,180.1	2,375	1,645	493.2
1976	1,896	1,334	507.1	7,161	3,544	1,253.4	2,295	1,320	448.3
1977	1,464	1,144	460.4	7,039	3,654	1,367.1	1,586	1,036	347.3
1978	2,449	1,604	666.4	6,651	3,843	1,590.9	2,837	1,415	448.1
1979	2,454	1,725	931.7	6,947	4,311	2,039.5	2,155	1,257	485.8
1980	3,581	2,443	1,884.1	7,762	4,943	3,180.7	2,769	1,810	776.3
1981	6,962	3,716	3,894.4	12,373	6,945	6,252.3	2,351	1,717	856.8

¹ End of period.

8.2 NUMBER OF UNITS OF BUILDINGS COMMENCED

Year	Residential							Non-residential				
	Total	Bungalow	Semi-detached	Terrace	Flats	Shophouses	Others	Total	Commercial	Industrial	Educational	Others
Public and Private Sectors												
1973	27,160	282	1,007	921	24,607	340	3	862	373	403	16	70
1974	28,057	147	525	579	26,389	416	1	531	141	263	35	92
1975	48,749	122	165	143	47,807	511	1	1,040	519	201	42	278
1976	33,228	67	76	209	32,204	560	112	1,634	701	833	16	84
1977	33,351	43	76	181	31,927	1,121	3	2,490	833	1,543	12	102
1978	26,981	42	95	103	26,394	338	9	1,712	266	1,358	17	71
1979	25,498	82	180	222	24,560	356	98	1,624	302	1,234	22	66
1980	19,077	118	294	359	17,960	340	6	2,534	758	1,660	40	76
1981	39,407	185	132	335	38,557	192	6	2,641	517	2,011	42	71
Public Sector												
1973	24,106	1	-	-	23,788	316	1	672	290	321	12	49
1974	25,211	-	-	-	24,840	370	1	236	80	59	24	73
1975	47,504	10	-	11	46,990	493	-	861	480	95	30	256
1976	31,575	-	-	-	30,904	560	111	1,391	604	726	6	55
1977	32,155	-	-	-	31,035	1,120	-	2,222	754	1,388	12	68
1978	24,913	-	-	-	24,580	331	2	1,331	168	1,103	12	48
1979	23,459	-	-	-	23,041	355	63	1,209	191	964	11	43
1980	15,890	-	-	-	15,554	334	2	2,140	666	1,396	31	47
1981	33,071	-	2	-	32,883	186	-	2,015	363	1,596	27	29
Private Sector												
1973	3,054	281	1,007	921	819	24	2	190	83	82	4	21
1974	2,846	147	525	579	1,549	46	-	295	61	204	11	19
1975	1,245	112	165	132	817	18	1	179	39	106	12	22
1976	1,653	67	76	209	1,300	-	1	243	97	107	10	29
1977	1,196	43	76	181	892	1	3	268	79	155	-	34
1978	2,068	42	95	103	1,814	7	7	381	98	255	5	23
1979	2,039	82	180	222	1,519	1	35	415	111	270	11	23
1980	3,187	118	294	359	2,406	6	4	394	92	264	9	29
1981	6,336	185	130	335	5,674	6	6	626	154	415	15	42

8.3 FLOOR AREA OF BUILDINGS COMMENCED

Thousand Square Metres

Year	Residential							Non-residential				
	Total	Bungalow	Semi-detached	Terrace	Flats	Shophouses	Others	Total	Commercial	Industrial	Educational	Others
Public and Private Sectors												
1973	2,822	113	254	184	2,219	52	-	1,361	274	777	107	203
1974	3,260	62	134	126	2,867	70	1	1,389	448	759	133	49
1975	5,158	45	49	26	4,951	86	1	1,794	695	585	156	358
1976	3,564	31	20	35	3,374	93	11	1,795	665	789	77	264
1977	3,641	19	21	35	3,350	212	4	1,862	618	647	118	479
1978	3,053	18	25	20	2,905	64	21	1,776	568	930	101	177
1979	3,193	34	47	38	3,005	60	9	2,165	742	1,171	112	140
1980	2,820	47	78	78	2,537	59	21	2,832	897	1,495	242	198
1981	6,169	72	35	68	5,931	40	23	3,267	1,291	1,675	181	120
Public Sector												
1973	2,044	1	-	-	1,997	46	-	579	123	207	77	172
1974	2,525	-	-	-	2,466	58	1	697	265	293	108	31
1975	4,860	3	-	1	4,774	82	-	1,051	423	183	126	319
1976	3,213	-	-	-	3,110	93	10	812	209	436	36	131
1977	3,390	-	-	-	3,178	212	-	969	254	262	118	335
1978	2,640	-	-	-	2,566	63	11	585	54	341	74	116
1979	2,781	-	-	-	2,718	60	3	852	278	407	85	82
1980	2,050	-	-	-	1,981	57	12	1,159	189	614	213	143
1981	4,727	-	1	-	4,690	36	-	993	210	595	126	62
Private Sector												
1973	778	112	254	184	222	6	-	732	151	570	30	31
1974	735	62	134	126	401	12	-	692	183	466	25	18
1975	298	42	49	25	177	4	1	743	272	402	30	39
1976	351	31	20	35	264	-	1	983	456	353	41	133
1977	251	19	21	35	172	-	4	893	364	385	-	144
1978	413	18	25	20	339	1	10	1,191	514	589	27	61
1979	412	34	47	38	287	-	6	1,313	464	764	27	58
1980	770	47	78	78	556	2	9	1,673	708	881	29	55
1981	1,442	72	34	68	1,241	4	23	2,274	1,081	1,080	55	58

8.4 NUMBER OF UNITS OF BUILDINGS UNDER CONSTRUCTION

End of Year	Residential							Non-residential				
	Total	Bungalow	Semi-detached	Terrace	Flats	Shophouses	Others	Total	Commercial	Industrial	Educational	Others
Public and Private Sectors												
1973	44,175	477	1,878	2,037	39,250	532	1	991	463	433	21	74
1974	41,089	380	1,669	1,574	36,957	509	-	859	262	467	38	92
1975	58,267	328	1,456	1,128	54,697	658	-	1,149	630	336	58	125
1976	57,124	215	1,240	1,069	53,644	845	111	1,985	847	961	38	139
1977	58,235	204	998	1,075	54,584	1,370	4	3,397	1,520	1,737	18	122
1978	50,970	163	784	856	48,240	918	9	2,976	949	1,881	18	128
1979	47,424	149	722	898	44,807	745	103	3,672	1,065	2,456	28	123
1980	45,502	206	804	900	42,720	774	98	3,839	1,216	2,453	51	119
1981	70,065	266	733	926	67,427	672	41	4,627	1,252	3,207	61	107
Public Sector												
1973	36,155	1	2	-	35,653	499	-	642	259	323	14	46
1974	33,020	-	-	-	32,590	430	-	417	86	242	28	61
1975	51,127	10	-	-	50,527	590	-	729	494	101	43	91
1976	50,366	-	-	-	49,465	790	111	1,582	719	751	24	88
1977	51,585	-	-	-	50,233	1,351	1	3,008	1,425	1,485	16	82
1978	44,833	-	-	-	43,938	893	2	2,462	824	1,529	15	94
1979	41,123	-	-	-	40,341	720	62	3,026	899	2,014	18	95
1980	38,399	-	-	-	37,584	754	61	3,180	1,045	2,012	36	87
1981	58,539	-	2	-	57,891	646	-	3,780	1,045	2,633	42	60
Private Sector												
1973	8,020	476	1,876	2,037	3,597	33	1	349	204	110	7	28
1974	8,069	380	1,669	1,574	4,367	79	-	442	176	225	10	31
1975	7,140	318	1,456	1,128	4,170	68	-	420	136	235	15	34
1976	6,758	215	1,240	1,069	4,179	55	-	403	128	210	14	51
1977	6,650	204	998	1,075	4,351	19	3	389	95	252	2	40
1978	6,137	163	784	856	4,302	25	7	514	125	352	3	34
1979	6,301	149	722	898	4,466	25	41	646	166	442	10	28
1980	7,103	206	804	900	5,136	20	37	659	171	441	15	32
1981	11,526	266	731	926	9,536	26	41	847	207	574	19	47

8.5 FLOOR AREA OF BUILDINGS UNDER CONSTRUCTION

Thousand Square Metres

End of Year	Residential							Non-residential				
	Total	Bungalow	Semi-detached	Terrace	Flats	Shophouses	Others	Total	Commercial	Industrial	Educational	Others
Public and Private Sectors												
1973	4,887	187	468	394	3,758	80	-	3,052	1,681	928	149	294
1974	5,320	160	421	329	4,324	86	-	3,354	1,640	1,228	231	255
1975	7,048	138	369	233	6,194	114	-	3,543	1,528	1,205	317	493
1976	6,924	98	309	216	6,144	147	10	3,797	1,531	1,427	210	629
1977	6,993	38	249	217	6,220	259	10	4,050	1,796	1,311	160	783
1978	6,150	20	191	172	5,569	177	21	3,991	1,752	1,285	201	753
1979	6,100	15	182	176	5,570	139	18	4,859	2,071	1,820	249	719
1980	6,381	22	184	183	5,831	135	26	5,536	2,317	2,224	368	627
1981	10,552	48	167	194	9,990	123	30	6,466	3,053	2,635	420	358
Public Sector												
1973	2,943	1	1	-	2,869	72	-	777	196	263	93	225
1974	3,286	-	-	-	3,220	66	-	1,253	397	485	181	190
1975	5,255	3	-	-	5,155	97	-	1,806	663	484	250	409
1976	5,292	-	-	-	5,149	133	10	1,885	521	756	151	457
1977	5,448	-	-	-	5,188	254	6	1,941	644	639	140	518
1978	4,795	-	-	-	4,613	171	11	1,503	305	465	167	566
1979	4,748	-	-	-	4,612	133	3	1,900	479	677	211	533
1980	4,827	-	-	-	4,682	130	15	2,147	483	838	306	520
1981	7,977	-	1	-	7,860	116	-	2,096	584	914	345	253
Private Sector												
1973	1,944	186	467	394	889	8	-	2,275	1,485	665	56	69
1974	2,034	160	421	329	1,104	20	-	2,101	1,243	743	50	65
1975	1,793	135	369	233	1,039	17	-	1,737	865	721	67	84
1976	1,632	98	309	216	995	14	-	1,912	1,010	671	59	172
1977	1,545	38	249	217	1,032	5	4	2,109	1,152	672	20	265
1978	1,355	20	191	172	956	6	10	2,488	1,447	820	34	187
1979	1,352	15	182	176	958	6	15	2,959	1,592	1,143	38	186
1980	1,554	22	184	183	1,149	5	11	3,389	1,834	1,386	62	107
1981	2,575	48	166	194	2,130	7	30	4,370	2,469	1,721	75	105

8.6 NUMBER OF UNITS OF BUILDINGS COMPLETED

Year	Residential							Non-residential				
	Total	Bungalow	Semi-detached	Terrace	Flats	Shophouses	Others	Total	Commercial	Industrial	Educational	Others
Public and Private Sectors												
1973	24,320	198	444	622	22,873	177	6	847	396	380	11	60
1974	31,143	244	734	1,042	28,682	439	2	663	342	229	18	74
1975	31,571	174	378	589	30,067	362	1	750	151	332	22	245
1976	34,371	180	292	268	33,257	373	1	798	484	208	36	70
1977	32,240	54	318	175	30,987	596	110	1,078	160	767	32	119
1978	34,246	83	309	322	32,738	790	4	2,133	837	1,214	17	65
1979	29,038	96	242	180	27,990	526	4	930	186	660	12	72
1980	21,002	61	212	357	20,050	311	11	2,367	607	1,663	17	80
1981	14,844	125	203	309	13,850	294	63	1,853	481	1,257	32	83
Public Sector												
1973	22,350	-	-	-	22,172	176	2	622	268	303	7	44
1974	28,346	1	2	-	27,903	439	1	461	253	140	10	58
1975	29,397	-	-	11	29,053	333	-	549	72	236	15	226
1976	32,336	10	-	-	31,966	360	-	538	379	76	25	58
1977	30,936	-	-	-	30,267	559	110	796	48	654	20	74
1978	31,665	-	-	-	30,875	789	1	1,877	769	1,059	13	36
1979	27,166	-	-	-	26,638	525	3	647	116	480	8	43
1980	18,614	-	-	-	18,311	300	3	1,986	520	1,398	13	55
1981	12,931	-	-	-	12,576	294	61	1,415	363	975	21	56
Private Sector												
1973	1,970	198	444	622	701	1	4	225	128	77	4	16
1974	2,797	243	732	1,042	779	-	1	202	89	89	8	16
1975	2,174	174	378	578	1,014	29	1	201	79	96	7	19
1976	2,035	170	292	268	1,291	13	1	260	105	132	11	12
1977	1,304	54	318	175	720	37	-	282	112	113	12	45
1978	2,581	83	309	322	1,863	1	3	256	68	155	4	29
1979	1,872	96	242	180	1,352	1	1	283	70	180	4	29
1980	2,388	61	212	357	1,739	11	8	381	87	265	4	25
1981	1,913	125	203	309	1,274	-	2	438	118	282	11	27

1204 3,150 3,853 10735 120
18920

8.7 FLOOR AREA OF BUILDINGS COMPLETED

Thousand Square Metres

Year	Residential							Non-residential				
	Total	Bungalow	Semi-detached	Terrace	Flats	Shophouses	Others	Total	Commercial	Industrial	Educational	Others
Public and Private Sectors												
1973	2,175	71	109	118	1,848	23	6	1,330	586	561	38	145
1974	2,826	89	180	192	2,301	63	1	1,087	488	460	53	86
1975	3,431	68	101	122	3,081	58	1	1,604	806	606	70	122
1976	3,688	70	79	54	3,423	61	1	1,540	663	566	182	129
1977	3,570	78	80	34	3,274	100	4	1,612	353	769	169	321
1978	3,899	35	85	67	3,557	145	10	1,833	611	956	57	209
1979	3,243	39	56	35	3,002	99	12	1,298	423	637	63	175
1980	2,538	40	76	72	2,275	62	13	2,155	651	1,091	123	290
1981	2,001	49	55	57	1,772	51	17	2,336	556	1,265	128	387
Public Sector												
1973	1,734	-	-	-	1,712	22	-	461	110	220	6	125
1974	2,181	1	1	-	2,115	63	1	221	65	71	20	65
1975	2,891	-	-	1	2,839	51	-	499	156	183	57	103
1976	3,176	3	-	-	3,115	58	-	732	351	164	134	83
1977	3,233	-	-	-	3,138	91	4	913	131	380	129	273
1978	3,293	-	-	-	3,142	145	6	1,024	392	515	47	70
1979	2,829	-	-	-	2,719	99	11	455	105	195	41	114
1980	1,971	-	-	-	1,911	60	-	912	184	454	118	156
1981	1,576	-	-	-	1,511	51	14	1,044	110	519	86	329
Private Sector												
1973	441	71	109	118	136	1	6	869	476	341	32	20
1974	645	88	179	192	186	-	-	866	423	389	33	21
1975	540	68	101	121	242	7	1	1,105	650	423	13	19
1976	512	67	79	54	308	3	1	808	312	402	48	46
1977	337	78	80	34	136	9	-	699	222	389	40	48
1978	606	35	85	67	415	-	4	809	219	441	10	139
1979	414	39	56	35	283	-	1	843	318	442	22	61
1980	567	40	76	72	364	2	13	1,243	467	637	5	134
1981	425	49	55	57	261	-	3	1,292	446	746	42	58

535

820

750

2331

121

24436

8.8 FLOOR AREA OF PRIVATE SECTOR COMMERCIAL BUILDINGS

Thousand Square Metres

Year	Total	Hotels	Shops	Offices	Restaurants	Car Parks	Godowns and Warehouses	Others
Buildings Commenced								
1973	151	-	12	49	3	62	22	3
1974	181	12	9	80	1	1	63	15
1975	272	28	99	71	4	28	33	9
1976	456	153	64	142	10	38	32	17
1977	364	47	92	34	11	41	106	33
1978	514	51	145	85	8	54	45	126
1979	463	43	74	136	15	51	30	114
1980	708	275	122	92	41	106	39	33
1981	1,081	180	228	284	39	223	50	77
Buildings Under Construction (End of Period)								
1973	1,485	153	274	644	51	291	17	55
1974	1,243	82	219	536	42	235	70	59
1975	865	102	170	332	27	114	73	47
1976	1,010	255	197	298	33	131	46	50
1977	1,152	274	256	286	17	145	126	48
1978	1,447	240	328	339	24	198	155	163
1979	1,592	271	305	388	32	184	171	241
1980	1,834	390	351	350	70	248	178	247
1981	2,469	500	507	561	100	421	192	188
Buildings Completed								
1973	477	64	56	242	10	49	53	3
1974	424	83	63	188	10	57	11	12
1975	649	8	147	276	19	149	29	21
1976	311	-	38	175	4	21	58	15
1977	223	28	33	46	27	28	26	35
1978	219	86	73	32	1	-	16	11
1979	318	11	97	87	7	66	14	36
1980	467	156	75	130	4	43	32	27
1981	445	71	72	73	9	50	35	135

8.9 UNITS UNDER MANAGEMENT OF HOUSING AND DEVELOPMENT BOARD

Number

Year	Dwellings						Shops
	Total	One Room	Two Rooms	Three Rooms	Four Rooms	Five Rooms	
1971	126,710	43,077	30,717	49,682	3,190	44	4,177
1972	139,288	50,168	31,370	53,843	3,860	47	4,405
1973/74 ¹	168,381	60,537	31,630	67,503	7,828	883	5,133
1974/75	192,894	67,190	34,833	77,177	11,179	2,515	5,663
1975/76	216,299	70,363	36,565	88,007	15,963	5,401	6,056
1976/77	244,344	72,356	39,941	101,134	22,192	8,721	7,369
1977/78	280,828	72,904	42,893	118,113	34,729	12,189	8,983
1978/79	311,848	73,958	44,356	137,151	41,823	14,560	10,216
1979/80	337,550	74,424	46,170	151,734	48,732	16,490	11,419
1980/81	348,915	66,910	47,237	162,483	53,148	19,137	13,701
1981/82	373,978 357,822 CLF 10/3	64,664	47,056	167,283	57,080	21,739	16,156

1 Refers to financial year 1 January 1973 to 31 March 1974.
From 1974 figures refer to 1 April to 31 March.

Source: Housing and Development Board

8.10 UNITS CONSTRUCTED AND SOLD BY HOUSING AND DEVELOPMENT BOARD

Year	Shops and Flats Constructed	Flats Sold Under 'Home Ownership Scheme'	Percentage of Total Population Living in HDB Flats (End of Period)
	Number		
1971	16,147	6,062	37
1972	20,252	7,808	42
1973/74 ¹	28,422	18,345	43
1974/75	27,128	14,856	47
1975/76	29,458	16,275	51
1976/77	30,344	25,840	56
1977/78	30,547	29,753	60
1978/79	25,353	18,421	64
1979/80	26,905	29,696	67
1980/81	16,726	18,115	69
1981/82	16,886	11,638	69

¹ Refers to financial year 1 January 1973 to 31 March 1974.
From 1974 figures refer to 1 April to 31 March.

Source: Housing and Development Board

9. EXTERNAL TRADE

Source of Data

Statistics on the external trade of Singapore 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 Comptroller of Customs and Excise, Singapore, except for the following:

- (i) Postal packages which are based on particulars furnished by the Postal Authorities; 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 except the following:

- (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) Exposed cinematographic films imported or exported on rental basis;
- (v) Television news films, news or press materials;
- (vi) Animals and vehicles temporarily brought in or out for races or competitions;
- (vii) Goods temporarily imported or exported solely for exhibition purposes and intended to be returned after the exhibition;
- (viii) Ships and aircraft arriving for or departing after repair;
- (ix) Containers, cylinders, bottles and the like specified as returnable;
- (x) Personal and household effects accompanying passengers or crews;
- (xi) Samples, gifts and specimens for test or analysis not exceeding the value of \$300;
- (xii) Gold bullion; and
- (xiii) 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.

Goods in transit through Singapore between countries other than Peninsular Malaysia are excluded.

But goods via Singapore to or from Peninsular Malaysia are recorded as imports and subsequently as exports. Goods are regarded as in transit when they are brought into Singapore for the sole purpose of transshipment and remain in the custody of the carrier agents or the Port of Singapore Authority while in Singapore.

Definitions and Terms Used

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

'Exports' refer to all goods taken out of Singapore, except those

specified as excluded under the **Coverage** section.

'Domestic Exports' refer to 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.

Valuation

Imports from and exports to countries are valued at cif and fob respectively. For trade with Peninsular Malaysia prior to 1975, imports into Singapore were valued fob Peninsular Malaysia and exports from Singapore were valued cif Peninsular Malaysia.

Classification

With effect from 1 January 1979, the trade classification adopted for documenting Singapore external trade is the Singapore Trade Classification and Customs Duties, 1979, which is 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.

9.1 TOTAL TRADE BY REGION AND SELECTED COUNTRY

Million Dollars

Region/Country	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
Total	14,035.3	15,687.4	21,419.7	34,559.5	32,028.3	38,670.4	45,612.2	52,586.8	69,274.5	92,797.1	102,538.8
South East Asia	3,723.0	3,860.6	4,845.3	7,004.0	6,089.4	7,424.2	8,651.8	10,103.1	14,169.1	18,485.2	19,709.8
Malaysia	2,672.1	2,785.2	3,652.6	5,033.5	4,426.7	5,685.1	6,340.0	6,987.1	9,820.8	13,333.6	14,116.2
Thailand	334.0	483.7	513.3	885.8	851.7	1,002.3	1,133.1	1,708.8	2,406.8	2,828.3	2,862.2
Brunei	122.9	113.3	123.8	156.9	285.6	291.9	438.1	585.2	834.9	1,016.0	1,373.7
Philippines	84.7	69.3	114.2	170.9	203.8	219.0	455.1	484.3	676.1	746.3	807.4
North East Asia	3,310.1	3,719.9	5,182.0	8,284.1	7,329.1	8,970.4	10,831.3	13,080.4	16,150.2	21,959.9	25,679.9
Japan	2,079.8	2,266.9	3,008.8	5,264.4	4,367.2	5,259.6	6,392.1	7,894.2	9,498.2	12,500.7	15,445.0
Hong Kong	489.9	616.2	840.3	1,372.3	1,364.8	1,803.3	2,125.2	2,361.8	2,924.9	4,251.0	4,974.4
Taiwan	192.4	296.3	440.1	519.7	514.7	703.6	876.1	1,081.8	1,434.8	1,918.3	1,881.7
People's Republic of China	453.3	456.5	701.6	769.7	780.5	754.4	815.1	906.2	1,263.7	1,990.0	2,007.1
Republic of Korea	80.3	75.8	156.4	288.2	251.8	389.4	573.9	734.7	924.3	1,206.6	1,282.8
South Asia	218.3	251.9	409.9	548.2	541.6	602.2	923.8	1,515.0	1,807.5	2,836.6	3,118.9
India	111.0	108.4	169.9	237.5	236.5	295.0	536.2	809.7	708.9	1,208.1	1,474.3
Pakistan	68.5	71.5	117.1	109.4	97.9	122.5	142.0	181.8	413.7	534.2	373.9
Sri Lanka	26.4	25.2	52.4	82.1	95.8	67.7	111.1	218.8	316.3	371.8	412.3
Bangladesh	..	25.0	46.3	69.1	68.7	81.0	81.7	234.8	284.6	576.7	625.9
West Asia	1,047.3	1,232.4	1,542.4	4,859.7	4,840.7	6,367.9	7,060.7	7,689.9	10,265.8	14,207.1	18,554.8
Saudi Arabia	233.5	271.0	420.0	1,275.0	1,880.8	3,737.8	4,074.9	4,282.4	4,722.8	7,236.9	11,836.1
Kuwait	401.4	435.2	373.2	1,241.1	637.7	406.7	391.5	458.5	1,870.5	3,026.3	2,248.9
Iraq	15.1	41.9	52.9	259.6	290.0	330.7	584.1	828.9	1,505.2	589.6	153.3
Iran	201.4	277.7	326.9	1,119.2	1,065.6	891.7	1,086.1	1,001.5	620.8	674.6	961.8
United Arab Emirates	13.7	22.2	143.4	271.4	312.1	255.1	313.0	353.2	513.7	1,090.6	1,623.1
Bahrain	86.0	87.4	88.5	186.7	148.5	311.0	314.8	308.2	490.8	735.7	746.5

9.1 TOTAL TRADE BY REGION AND SELECTED COUNTRY (continued)

Million Dollars

Region/Country	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
EEC	2,127.7	2,344.0	3,333.9	4,537.9	4,291.2	4,851.9	5,666.2	6,356.3	8,582.1	10,648.0	10,360.4
Federal Republic of Germany	453.6	540.0	800.4	1,140.5	1,117.7	1,386.9	1,649.4	1,877.3	2,473.2	2,924.1	2,736.6
United Kingdom	967.0	975.3	1,245.2	1,570.8	1,495.8	1,447.1	1,603.3	1,841.6	2,311.1	2,840.4	2,793.5
France	180.5	242.5	402.3	497.1	491.5	686.1	755.6	889.9	1,156.0	1,605.1	1,764.0
Netherlands	212.7	227.4	335.5	506.3	523.4	493.4	641.1	694.2	1,093.3	1,304.8	1,194.9
Italy	176.3	189.8	292.3	414.9	335.1	396.4	486.8	575.9	840.7	1,017.2	957.4
EFTA	229.5	242.6	384.8	569.1	523.8	692.1	792.2	847.1	1,190.0	1,670.9	1,518.6
Switzerland	76.9	94.7	134.3	182.7	196.6	226.4	267.5	344.2	406.9	554.1	496.7
Other Western Europe	74.4	70.2	115.0	154.2	119.0	188.2	269.0	316.9	383.9	429.2	336.1
Socialist Countries of Eastern Europe	241.3	221.1	358.5	466.3	288.2	431.3	451.6	563.6	743.7	904.8	727.7
USSR	147.8	125.6	197.7	262.2	144.2	208.4	259.4	311.9	447.2	558.1	440.0
North America	1,849.0	2,398.6	3,542.1	5,212.4	5,030.8	5,664.7	6,682.2	7,814.6	10,205.3	13,065.1	13,870.2
United States	1,737.1	2,288.9	3,400.9	4,958.8	4,799.4	5,354.0	6,348.0	7,456.3	9,755.4	12,509.2	13,205.1
Canada	111.9	109.6	141.3	253.5	231.3	310.7	334.2	358.2	449.9	555.9	665.1
LAFTA	95.2	108.7	196.0	323.8	259.3	357.2	548.6	542.1	771.0	762.0	639.1
Brazil	27.4	32.4	73.2	153.2	93.7	168.5	228.9	285.6	381.4	330.2	250.7
Oceania	754.1	850.4	967.0	1,793.4	1,913.1	2,046.6	2,340.0	2,306.6	3,134.6	4,635.5	4,725.0
Australia	624.9	680.7	771.3	1,258.7	1,298.7	1,409.2	1,635.2	1,526.0	1,992.9	2,833.1	2,978.0
New Zealand	65.4	94.6	120.4	250.8	299.8	258.3	281.6	328.5	560.8	939.1	794.8
Rest of the World	365.4	387.0	542.8	806.4	802.3	1,073.7	1,394.9	1,451.2	1,871.3	3,192.8	3,298.3

9.2 IMPORTS BY REGION AND SELECTED COUNTRY

Million Dollars

Region/Country	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
Total	8,664.0	9,538.0	12,512.9	20,404.9	19,270.4	22,404.5	25,521.9	29,601.3	38,334.4	51,344.8	58,248.0
South East Asia	1,723.6	1,862.5	2,491.2	3,399.4	2,769.3	3,985.7	4,484.7	5,112.3	7,199.9	8,914.7	9,290.7
Malaysia	1,443.7	1,507.7	2,039.9	2,686.2	2,238.5	3,204.2	3,466.0	3,793.6	5,393.4	7,115.6	7,209.5
Thailand	174.4	269.3	312.3	542.6	406.3	516.3	571.0	814.7	1,086.3	1,019.0	997.6
Brunei	2.4	8.0	18.8	4.9	5.8	52.1	145.5	226.8	379.2	424.2	691.1
Philippines	46.8	31.0	38.1	53.5	68.1	91.6	167.0	148.9	160.6	160.2	226.7
North East Asia	2,498.3	2,781.8	3,660.1	5,280.4	4,924.2	5,566.9	6,664.6	8,265.1	9,690.2	13,372.4	15,630.9
Japan	1,700.0	1,874.5	2,295.5	3,653.9	3,254.3	3,590.8	4,474.0	5,668.2	6,530.5	9,162.4	10,957.4
Hong Kong	200.8	242.8	354.0	470.9	427.8	536.7	651.2	731.4	836.5	1,055.1	1,093.0
Taiwan	148.6	228.9	339.8	348.6	383.6	536.9	583.8	732.6	984.2	1,216.3	1,275.1
People's Republic of China	406.7	399.1	573.2	643.9	682.0	659.0	670.4	775.5	894.1	1,332.1	1,629.8
Republic of Korea	33.8	31.5	80.2	144.9	144.9	206.8	260.3	334.6	423.9	584.7	661.3
South Asia	146.1	142.4	229.3	276.7	222.7	277.6	294.3	297.8	309.3	443.6	520.1
India	85.9	73.9	115.6	167.0	137.0	181.9	190.0	188.1	218.7	246.4	280.7
Pakistan	48.1	45.9	83.6	67.9	28.6	40.2	44.8	43.0	36.5	91.5	125.3
Sri Lanka	6.7	9.2	14.8	26.0	42.9	29.4	30.8	35.1	32.8	37.6	53.2
Bangladesh	..	5.6	6.9	5.3	4.9	15.1	10.9	18.5	8.7	42.8	30.4
West Asia	907.3	1,098.2	1,334.5	4,334.4	4,207.7	5,493.4	6,010.4	6,390.2	8,281.6	11,731.3	15,658.5
Saudi Arabia	215.6	249.2	384.3	1,172.3	1,675.5	3,538.4	3,781.4	3,908.6	4,019.9	6,412.3	10,771.5
Kuwait	392.3	425.4	356.9	1,216.5	601.3	333.4	308.4	355.9	1,698.4	2,838.6	1,995.4
Iraq	2.7	30.8	43.2	191.1	253.6	296.9	548.6	769.5	1,363.5	457.8	35.2
Iran	187.0	267.1	301.7	1,066.0	1,001.8	822.3	1,004.7	862.2	561.2	473.7	753.4
United Arab Emirates	0.3	7.5	104.2	156.0	182.6	21.3	44.2	35.8	31.8	484.4	899.5
Bahrain	77.5	78.1	76.2	162.2	107.7	240.4	254.0	251.5	390.7	667.3	675.3

9.2 IMPORTS BY REGION AND SELECTED COUNTRY (continued)

Million Dollars

Region/Country	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
EEC	1,402.2	1,433.3	1,770.5	2,684.0	2,508.1	2,435.9	2,822.1	3,477.2	4,331.8	5,566.8	5,694.3
Federal Republic of Germany	339.9	368.7	497.0	712.3	636.2	739.0	880.3	1,117.6	1,419.0	1,677.1	1,610.4
United Kingdom	633.3	635.9	692.7	996.3	956.0	851.2	957.0	1,116.8	1,347.3	1,771.2	1,742.9
France	94.0	113.0	162.8	234.2	266.8	284.0	310.7	441.4	484.3	699.0	967.6
Netherlands	143.1	125.6	146.5	274.6	280.5	219.5	241.5	280.8	373.9	520.8	462.6
Italy	112.6	109.7	168.5	237.1	211.7	185.2	243.4	318.6	423.7	484.2	543.0
EFTA	175.1	175.9	289.9	414.8	356.8	379.3	457.3	597.4	835.5	1,182.8	1,104.4
Switzerland	73.3	87.6	116.5	158.2	164.7	138.7	217.5	276.3	337.7	428.4	378.3
Other Western Europe	15.1	8.8	19.1	34.2	29.0	38.0	40.0	67.3	112.5	99.3	76.3
Socialist Countries of Eastern Europe	56.6	43.9	56.0	85.7	63.0	101.4	133.6	142.7	177.8	171.3	214.2
USSR	32.2	24.0	21.6	25.7	18.2	48.9	63.9	52.9	52.0	51.2	96.7
North America	1,150.9	1,372.9	1,934.8	2,969.1	3,130.0	3,066.0	3,336.9	3,915.4	5,666.4	7,510.1	7,633.1
United States	1,102.3	1,339.8	1,885.6	2,858.1	3,024.0	2,960.5	3,227.2	3,771.8	5,489.5	7,237.2	7,356.4
Canada	48.6	33.1	49.3	111.0	105.9	105.5	109.7	143.6	176.9	272.9	276.7
LAFTA	25.5	35.2	40.2	62.3	94.5	105.9	226.3	201.2	219.5	254.3	225.0
Brazil	14.2	20.3	27.5	48.1	43.5	64.7	107.3	137.0	129.7	168.2	131.4
Oceania	417.0	439.0	496.2	669.7	749.8	696.2	779.2	777.2	1,026.8	1,383.4	1,502.5
Australia	367.7	385.9	442.1	571.0	661.5	578.0	644.6	597.5	843.4	1,162.3	1,207.5
New Zealand	40.7	51.8	49.4	74.8	78.6	92.9	88.6	123.7	150.4	188.8	225.1
Rest of the World	146.3	144.0	191.1	194.2	215.4	258.2	272.5	357.5	483.1	714.9	698.0

9.3 EXPORTS BY REGION AND SELECTED COUNTRY

Million Dollars

Region/Country	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
Total	5,371.3	6,149.4	8,906.8	14,154.6	12,757.9	16,265.9	20,090.3	22,985.5	30,940.1	41,452.3	44,290.8
South East Asia	1,999.4	1,998.1	2,354.1	3,604.6	3,320.1	3,438.5	4,167.1	4,990.8	6,969.2	9,570.5	10,419.1
Malaysia	1,228.4	1,277.5	1,612.7	2,347.3	2,188.2	2,480.9	2,874.0	3,193.5	4,427.4	6,218.0	6,906.7
Thailand	159.6	214.4	201.0	343.2	445.4	486.0	562.1	894.1	1,320.5	1,809.3	1,864.6
Brunei	120.5	105.3	105.0	152.0	279.8	239.8	292.6	358.4	455.7	591.8	682.6
Philippines	37.9	38.3	76.1	117.4	135.7	127.4	288.1	335.4	515.5	586.1	580.7
North East Asia	811.8	938.1	1,521.9	3,003.7	2,404.9	3,403.5	4,166.7	4,815.3	6,460.0	8,587.5	10,049.0
Japan	379.8	392.4	713.3	1,610.5	1,112.9	1,668.8	1,918.1	2,226.0	2,967.7	3,338.3	4,487.6
Hong Kong	289.1	373.4	486.3	901.4	937.0	1,266.6	1,474.0	1,630.4	2,088.4	3,195.9	3,881.4
Taiwan	43.8	67.4	100.3	171.1	131.1	166.7	292.3	349.2	450.6	702.0	606.6
People's Republic of China	46.6	57.4	128.4	125.8	98.5	95.4	144.7	130.7	369.6	657.9	377.3
Republic of Korea	46.5	44.3	76.2	143.3	106.9	182.6	313.6	400.1	500.4	621.9	621.5
South Asia	72.2	109.5	180.6	271.5	318.9	324.6	629.5	1,217.2	1,498.2	2,393.0	2,598.8
India	25.1	34.5	54.3	70.5	99.5	113.1	364.2	621.6	490.2	961.7	1,193.6
Pakistan	20.4	25.6	33.5	41.5	69.3	82.3	97.2	138.8	377.2	442.7	248.6
Sri Lanka	19.7	16.0	37.6	56.1	52.9	38.3	80.3	183.7	283.5	334.2	359.1
Bangladesh	..	19.4	39.4	63.8	63.8	65.9	70.8	216.3	275.8	533.9	595.5
West Asia	140.0	134.2	207.9	525.3	633.0	874.5	1,050.3	1,299.7	1,984.2	2,475.8	2,896.3
Saudi Arabia	17.9	21.8	35.7	102.7	205.3	199.4	293.5	373.8	702.9	824.6	1,064.6
Kuwait	9.1	9.8	16.3	24.6	36.4	73.3	83.1	102.6	172.1	187.7	253.5
Iraq	12.4	11.1	9.7	68.5	36.4	33.8	35.5	59.4	141.7	131.8	118.1
Iran	14.4	10.6	25.2	53.2	63.8	69.4	81.4	139.3	59.6	200.9	208.4
United Arab Emirates	13.4	14.7	39.2	115.4	129.5	233.8	268.8	317.4	481.9	606.2	723.6
Bahrain	8.5	9.3	12.3	24.5	40.8	70.6	60.8	56.7	100.1	68.4	71.2

9.3 EXPORTS BY REGION AND SELECTED COUNTRY (continued)

Million Dollars

Region/Country	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
EEC	725.5	910.7	1,563.4	1,853.9	1,783.1	2,416.0	2,844.1	2,879.1	4,250.3	5,081.2	4,666.1
Federal Republic of Germany	113.7	171.3	303.4	428.2	481.5	647.9	769.1	759.7	1,054.2	1,247.0	1,126.2
United Kingdom	333.7	339.4	552.5	574.5	539.8	595.9	646.3	724.8	963.8	1,069.2	1,050.6
France	86.5	129.5	239.5	262.9	224.7	402.1	444.9	448.5	671.7	906.1	796.4
Netherlands	69.6	101.8	189.0	231.7	242.9	273.9	399.6	413.4	719.4	784.0	732.3
Italy	63.7	80.1	123.8	177.8	123.4	211.2	243.4	257.3	417.0	533.0	414.4
EFTA	54.4	66.7	94.9	154.3	167.0	312.8	334.9	249.7	354.5	488.1	414.2
Switzerland	3.6	7.1	17.8	24.5	31.9	42.7	50.0	67.9	69.2	125.7	118.4
Other Western Europe	59.3	61.4	95.9	120.0	90.0	150.2	229.0	249.6	271.4	329.9	259.8
Socialist Countries of Eastern Europe	184.7	177.2	302.5	380.6	225.2	329.9	318.0	420.9	565.9	733.5	513.5
USSR	115.6	101.5	176.1	236.4	126.0	159.5	195.5	259.0	395.2	506.9	343.3
North America	698.1	1,025.7	1,607.3	2,243.3	1,900.8	2,598.7	3,345.3	3,899.2	4,538.9	5,555.0	6,237.1
United States	634.8	949.1	1,515.3	2,100.7	1,775.4	2,393.5	3,120.8	3,684.5	4,265.9	5,272.0	5,848.7
Canada	63.3	76.5	92.0	142.5	125.4	205.2	224.5	214.6	273.0	283.0	388.4
LAFTA	69.7	73.5	155.7	261.6	164.8	251.3	322.3	340.9	551.5	507.7	414.1
Brazil	13.2	12.1	45.7	105.1	50.2	103.8	121.6	148.6	251.7	162.0	119.3
Oceania	337.1	411.4	470.8	1,123.7	1,163.3	1,350.4	1,560.8	1,529.4	2,107.8	3,252.1	3,222.5
Australia	257.2	294.8	329.2	687.7	637.2	831.2	990.6	928.5	1,149.5	1,670.8	1,770.5
New Zealand	24.7	42.8	71.0	176.0	221.2	165.4	193.0	204.8	410.4	750.3	569.7
Rest of the World	219.1	242.9	351.8	612.1	586.9	815.4	1,122.4	1,093.7	1,388.2	2,477.9	2,600.3

9.4 DOMESTIC EXPORTS BY REGION AND SELECTED COUNTRY

Million Dollars

Region/Country	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
Total	2,373.4	3,101.0	4,412.2	8,413.6	7,540.4	9,362.4	11,651.8	13,226.2	18,200.4	25,805.2	29,452.0
South East Asia	807.5	803.2	921.1	1,716.2	1,325.1	1,166.2	1,477.6	1,868.4	2,794.8	4,382.9	5,094.2
Malaysia	276.5	302.5	433.1	784.1	672.5	710.6	771.5	896.7	1,365.0	2,254.3	2,915.8
Thailand	91.5	133.4	125.7	255.6	268.6	260.8	317.8	479.0	812.3	1,307.6	1,393.4
Brunei	50.0	52.6	38.1	54.0	127.0	93.1	118.3	151.1	190.0	268.5	283.3
Philippines	11.2	17.1	33.8	73.2	63.3	48.6	174.8	195.8	288.0	340.8	292.4
North East Asia	512.4	630.6	885.5	2,252.8	1,760.6	2,505.4	3,108.8	3,513.2	4,715.2	6,476.6	8,033.1
Japan	285.4	301.1	472.6	1,396.7	917.2	1,384.4	1,639.2	1,884.8	2,561.9	2,877.4	3,968.4
Hong Kong	214.3	295.6	360.4	750.6	752.5	981.8	1,165.8	1,258.8	1,630.6	2,659.4	3,249.0
Taiwan	10.7	28.1	31.0	55.9	56.1	53.1	139.6	171.0	179.0	387.2	324.2
People's Republic of China	-	2.9	6.9	17.6	22.1	49.7	53.8	35.9	151.4	238.2	114.1
Republic of Korea	1.8	2.0	5.6	21.7	9.6	21.4	96.0	118.3	168.6	292.1	343.3
South Asia	31.0	45.9	83.7	138.7	164.2	149.5	248.9	655.4	717.5	1,411.7	1,697.1
India	8.4	17.6	20.3	30.1	60.9	61.8	144.7	349.4	224.2	676.3	881.3
Pakistan	4.9	6.1	13.5	15.6	25.8	31.3	36.2	55.2	111.4	126.8	81.7
Sri Lanka	14.4	11.5	29.2	46.8	38.9	23.6	42.6	115.8	164.6	193.1	180.6
Bangladesh	..	6.3	15.9	33.3	22.5	22.5	15.5	112.3	181.0	356.6	446.1
West Asia	56.6	70.3	105.2	313.2	368.9	504.0	609.3	771.6	1,265.2	1,449.4	1,725.3
Saudi Arabia	6.0	11.0	22.0	78.4	156.6	123.3	178.0	251.7	462.7	467.7	532.6
Kuwait	5.5	7.4	11.9	17.1	23.0	50.5	64.2	71.7	126.0	100.4	188.2
Iraq	9.8	8.4	6.7	17.3	18.2	14.0	16.8	32.1	84.0	77.4	70.8
Iran	0.6	1.5	3.0	17.7	20.4	35.1	26.1	59.0	20.8	60.7	93.6
United Arab Emirates	5.4	6.7	18.1	90.6	70.2	139.0	199.9	209.9	355.9	438.4	539.0
Bahrain	4.4	5.5	7.5	12.8	20.8	38.8	43.4	39.0	80.5	49.0	40.8

9.4 DOMESTIC EXPORTS BY REGION AND SELECTED COUNTRY (continued)

Million Dollars

Region/Country	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
EEC	236.9	397.4	748.0	1,067.9	1,149.2	1,415.8	1,648.8	1,675.7	2,490.0	3,283.6	3,216.5
Federal Republic of Germany	34.0	84.1	169.1	282.7	360.0	432.2	505.0	501.6	672.1	942.0	827.2
United Kingdom	111.2	140.5	255.2	301.0	334.3	363.2	359.6	442.5	666.1	690.1	752.8
France	18.5	51.3	92.3	137.7	114.7	193.9	211.4	208.4	343.4	489.6	540.3
Netherlands	31.4	51.7	92.8	136.3	162.9	154.1	218.6	220.9	328.6	454.3	410.5
Italy	15.8	25.0	48.9	84.5	52.4	74.6	105.0	118.4	199.5	320.8	269.2
EFTA	29.1	42.5	65.4	121.3	141.6	269.2	276.2	189.1	250.0	357.5	320.3
Switzerland	2.6	4.6	15.5	19.1	28.1	36.1	42.8	59.1	50.4	87.1	78.1
Other Western Europe	5.7	7.4	10.0	19.5	16.1	14.2	33.4	31.2	42.1	75.3	77.4
Socialist Countries of Eastern Europe	34.3	34.3	38.2	96.0	69.2	70.4	91.7	85.6	108.5	171.6	165.2
USSR	24.8	18.9	19.4	65.0	40.5	40.1	54.0	53.4	62.1	101.8	92.6
North America	339.0	685.5	1,138.4	1,495.6	1,244.0	1,717.6	2,229.7	2,600.4	3,148.1	4,028.4	4,561.1
United States	323.1	655.3	1,102.0	1,436.2	1,177.2	1,623.3	2,136.2	2,513.7	3,026.2	3,894.1	4,397.0
Canada	15.9	30.1	36.4	59.3	66.8	94.3	93.5	86.7	121.9	134.3	164.1
LAFTA	1.3	3.2	6.4	19.3	21.8	11.0	17.7	29.2	126.5	468.5	100.2
Brazil	0.7	1.7	2.2	5.3	3.1	5.9	8.6	12.1	79.6	26.4	21.0
Oceania	215.1	256.1	262.4	846.4	891.6	1,037.4	1,164.8	1,185.9	1,722.1	2,815.3	2,743.2
Australia	153.4	167.0	165.5	457.0	422.4	580.4	666.0	671.0	871.4	1,344.8	1,428.0
New Zealand	10.8	22.2	35.7	142.2	191.6	122.4	141.6	149.7	344.0	683.6	486.0
Rest of the World	104.5	124.5	147.9	326.7	388.2	501.7	744.9	620.6	820.4	884.4	1,718.4

9.5 IMPORTS BY COMMODITY

Million Dollars

Commodity	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
Total	8,664.0	9,538.0	12,512.9	20,404.9	19,270.4	22,404.5	25,521.9	29,601.3	38,334.4	51,344.8	58,248.0
Food	984.1	1,036.6	1,262.9	1,551.2	1,654.4	1,853.3	2,211.0	2,183.0	2,552.6	2,915.5	3,270.5
Cereals & Cereal Preparations	161.5	195.5	299.9	447.7	393.2	374.5	436.8	438.3	573.2	694.3	754.0
Fruits & Vegetables	236.7	250.3	280.7	338.7	376.8	445.7	487.8	547.2	599.3	674.1	792.2
Coffee & Spices	169.9	165.0	204.3	208.2	207.6	312.1	439.6	384.5	439.8	388.7	464.8
Beverages & Tobacco	137.3	128.2	112.7	117.9	130.3	139.4	150.0	176.0	207.3	276.0	282.2
Crude Materials	781.7	822.5	1,460.7	1,648.7	1,229.3	2,023.5	2,278.7	2,470.0	3,108.2	3,416.9	2,775.5
Crude Rubber	471.4	480.5	978.8	1,133.2	749.5	1,302.1	1,485.4	1,577.6	2,017.7	2,163.5	1,659.7
Wood	127.7	131.7	191.1	178.3	169.4	270.1	291.5	328.3	461.4	423.6	388.0
Mineral Fuels	1,240.7	1,385.4	1,618.2	4,897.8	4,734.1	6,140.9	6,524.2	7,081.5	9,672.7	14,889.2	19,831.1
Petroleum & Petroleum Products	1,236.8	1,383.3	1,614.1	4,891.3	4,730.5	6,136.6	6,519.5	7,074.5	9,668.0	14,879.5	19,819.2
Animal & Vegetable Oils	197.1	148.8	186.4	391.3	242.0	257.8	478.9	491.1	829.4	1,001.0	721.8
Unprocessed Vegetable Oils	187.1	139.6	174.7	367.3	198.0	186.6	272.7	190.0	414.0	239.6	226.9
Chemicals	437.1	501.7	723.6	1,220.6	1,119.6	1,116.2	1,319.3	1,597.6	2,178.5	2,686.7	2,756.1
Chemical Compounds	76.5	90.7	149.7	289.0	204.3	305.1	311.0	355.1	571.4	715.7	753.0
Plastic Materials	73.6	85.2	172.8	240.8	164.5	247.6	307.6	400.1	591.3	648.2	643.3
Manufactured Goods by Material	1,848.8	1,914.6	2,526.6	3,591.8	3,510.3	3,277.4	3,630.7	4,566.5	5,736.7	7,237.2	8,079.7
Textile Manufactures	866.9	819.0	1,034.4	973.9	886.9	1,062.5	1,124.7	1,401.4	1,666.1	1,835.6	1,905.0
Non-metal Mineral Manufactures	135.9	156.4	231.6	342.3	354.5	356.6	406.1	532.7	633.8	904.2	955.7
Iron & Steel	349.4	384.0	555.9	1,234.9	1,283.9	767.7	870.1	1,138.8	1,461.0	1,854.6	2,360.6
Metal Manufactures	206.0	246.8	267.2	425.9	497.5	458.1	524.8	621.6	800.5	1,072.2	1,301.6
Machinery & Transport	2,209.1	2,648.4	3,498.4	5,405.8	5,046.2	5,794.7	6,738.5	8,607.8	11,343.9	15,303.8	16,474.9
Non-electric Machinery	965.5	1,177.7	1,430.6	2,323.0	2,346.0	2,205.5	2,406.6	3,050.2	4,002.4	5,720.7	6,685.2
Electric Machinery	568.0	878.0	1,201.0	1,847.8	1,879.2	2,385.7	2,815.7	3,595.2	4,675.5	6,051.7	6,665.7
Transport Equipment	644.6	592.6	866.8	1,235.0	821.1	1,203.5	1,516.3	1,962.4	2,666.0	3,531.3	3,123.9
Miscellaneous Manufactured Articles	644.8	727.9	957.5	1,345.9	1,331.3	1,534.0	1,764.9	2,071.4	2,194.3	2,951.1	3,413.0
Scientific Instruments	222.0	303.1	360.4	540.8	491.8	580.6	657.0	825.5	973.7	1,373.4	1,479.7
Miscellaneous Transactions nes	183.3	223.9	165.9	233.9	272.9	267.3	425.7	356.4	510.9	667.4	643.2

9.6 EXPORTS BY COMMODITY

Million Dollars

Commodity	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
Total	5,371.3	6,149.4	8,906.8	14,154.6	12,757.9	16,265.9	20,090.3	22,985.5	30,940.1	41,452.3	44,290.8
Food	541.8	554.1	617.2	814.0	915.7	947.8	1,389.4	1,488.0	1,674.5	2,008.2	2,124.8
Cereals & Cereal Preparations	53.5	54.4	82.1	122.8	125.1	77.9	150.5	169.4	224.1	357.5	449.5
Fruits & Vegetables	110.3	113.9	114.0	137.8	150.6	165.3	191.9	205.1	223.3	252.8	303.2
Coffee & Spices	200.1	184.8	188.1	243.8	259.2	380.2	570.3	594.0	597.5	627.4	659.2
Beverages & Tobacco	69.0	66.0	37.4	38.6	40.9	48.9	65.2	99.9	131.6	157.2	174.3
Crude Materials	1,190.3	1,132.5	2,152.4	2,506.2	1,694.3	2,664.7	3,160.0	3,483.1	4,412.9	4,700.0	3,665.3
Crude Rubber	953.2	853.6	1,636.0	2,050.0	1,320.7	1,995.2	2,255.7	2,480.6	3,070.2	3,294.1	2,455.4
Wood	96.2	131.9	314.6	216.2	153.7	307.0	330.0	408.0	657.7	585.0	426.4
Mineral Fuels	1,145.8	1,168.1	1,367.8	3,693.0	3,451.2	3,783.8	4,874.1	5,329.0	7,414.5	11,965.7	14,175.6
Petroleum & Petroleum Products	1,138.2	1,159.9	1,356.3	3,654.1	3,407.6	3,743.7	4,834.6	5,279.1	7,337.2	11,828.0	13,980.6
Animal & Vegetable Oils	208.1	150.7	171.5	358.0	245.5	249.3	474.7	513.5	858.1	1,095.5	820.0
Unprocessed Vegetable Oils	205.1	147.3	168.2	349.0	232.7	217.3	386.5	347.8	684.6	840.6	581.7
Chemicals	184.6	218.0	393.6	917.1	475.7	609.8	716.1	870.5	1,124.3	1,418.5	1,556.3
Medicinal Products	28.9	33.4	84.4	161.8	173.9	194.0	213.7	233.5	267.5	323.3	319.2
Manufactured Goods by Materials	534.7	595.6	920.1	1,069.9	1,086.5	1,328.8	1,602.2	2,259.7	2,841.6	3,441.7	3,669.8
Wood Manufacture	78.6	118.4	234.5	199.7	200.7	279.6	297.5	351.4	482.5	549.2	539.3
Textile Manufactures	217.9	244.0	353.8	337.7	308.9	443.5	467.3	606.3	787.9	793.2	737.0
Iron & Steel	65.4	55.4	93.3	187.5	206.0	187.1	263.3	400.4	362.4	454.3	586.3
Metal Manufactures	73.2	74.6	101.8	143.9	158.3	175.7	228.5	287.1	389.5	450.7	578.5
Machinery & Transport	740.5	1,220.6	1,967.8	2,918.6	2,894.6	4,106.7	4,917.0	5,715.1	8,216.7	11,089.4	11,779.4
Non-electric Machinery	190.5	493.5	671.9	870.9	889.8	983.5	1,163.8	1,299.5	1,958.9	2,662.8	3,119.8
Electric Machinery	361.3	464.9	956.9	1,487.5	1,471.9	2,186.4	2,868.0	3,557.4	5,045.6	6,656.6	6,724.7
Transport Equipment	188.7	262.2	339.0	560.1	533.0	936.8	885.2	858.3	1,212.2	1,770.0	1,934.9
Miscellaneous Manufactured Articles	343.4	497.2	695.8	807.5	880.4	1,232.5	1,402.3	1,725.0	2,121.7	2,572.4	2,919.1
Clothing	138.6	223.0	319.7	310.5	277.8	448.7	514.1	672.2	811.0	912.8	990.1
Scientific Instruments	46.1	94.7	152.7	180.3	295.4	402.1	377.6	423.7	534.6	631.8	732.6
Miscellaneous Transaction nes	413.1	545.7	583.2	1,031.7	1,073.1	1,293.6	1,489.3	1,501.7	2,144.1	3,003.7	3,406.2

9.7 DOMESTIC EXPORTS BY COMMODITY

Million Dollars

Commodity	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
Total	2,373.4	3,101.0	4,412.2	8,413.6	7,540.4	9,362.4	11,651.8	13,226.2	18,200.4	25,805.2	29,452.0
Food	114.8	123.0	168.5	252.8	278.1	204.9	296.5	343.9	450.1	600.6	536.7
Animal Feeding Stuffs	40.2	40.3	49.2	54.8	36.5	34.7	65.0	64.6	74.8	83.6	57.6
Beverages & Tobacco	9.5	10.5	12.9	18.0	25.8	29.7	43.6	74.4	88.0	102.7	116.2
Crude Materials ¹	24.2	29.8	42.4	45.9	44.9	62.3	73.9	85.3	129.3	152.3	140.0
Mineral Fuels ²	1,058.3	1,094.9	1,274.0	3,562.6	3,233.1	3,632.2	4,697.2	5,224.7	7,214.8	11,612.2	13,829.6
Animal & Vegetable Oils	72.9	33.4	40.7	66.8	56.1	62.6	129.4	170.7	229.8	393.7	470.3
Chemicals	60.9	68.6	183.9	583.4	208.2	268.3	325.5	389.2	458.0	572.9	609.7
Medicinal Products	9.1	7.6	57.1	115.5	135.7	152.5	168.8	183.4	205.5	258.2	237.4
Plastic Materials	8.6	13.3	25.2	49.4	23.4	48.1	66.5	95.1	92.7	99.6	100.6
Manufactured Goods by Materials	210.7	266.4	437.6	462.5	486.2	627.6	769.8	1,024.5	1,197.7	1,322.7	1,326.6
Wood Simply Shaped	61.8	92.6	186.0	150.2	144.7	195.3	199.2	252.9	366.7	414.3	363.6
Textile Yarn Thread	13.3	22.9	62.4	47.0	43.9	84.5	76.4	101.7	152.8	137.9	96.7
Cotton Fabrics Woven	25.2	29.4	40.4	43.9	43.6	66.2	71.5	73.8	75.9	79.8	72.5
Machinery & Transport	357.3	739.5	1,284.7	1,925.5	1,686.5	2,475.8	3,051.6	3,436.6	5,067.9	6,566.6	7,326.8
Office Machines	3.5	268.5	335.8	323.1	175.3	155.8	173.4	156.0	195.5	263.7	282.6
Other Non-electric Machines	10.2	13.0	22.0	69.9	86.7	118.3	160.4	205.2	220.4	158.8	357.1
Electric Generators	19.4	39.6	60.9	88.4	87.6	126.2	166.6	193.9	230.4	330.2	503.0
Telecommunications Apparatus	60.4	152.5	223.4	342.2	348.3	501.8	715.6	939.2	1,473.6	1,976.9	2,156.6
Other Electric Machinery	223.4	190.6	539.3	843.0	592.2	955.4	1,224.4	1,448.1	2,045.7	2,387.8	2,198.4
Ships & Boats	29.4	54.3	65.2	188.6	279.2	537.0	479.9	290.7	455.7	587.7	965.9
Miscellaneous Manufactured Articles	216.8	373.5	547.1	621.6	668.3	934.6	1,062.8	1,284.0	1,567.2	1,886.5	2,114.5
Clothing	103.1	194.7	292.6	276.3	236.2	372.9	440.0	558.9	670.3	757.3	800.3
Scientific Instruments	7.4	49.4	91.7	95.7	131.8	113.7	125.2	114.9	197.3	235.8	237.3
Watches & Clocks	3.9	6.6	8.7	16.9	84.6	175.4	108.0	136.3	109.9	143.5	175.2
Printed Matters	25.6	28.2	32.7	50.0	42.1	48.5	87.7	75.0	77.3	90.5	115.2
Toys & Sporting Goods	6.4	12.7	16.5	23.3	23.7	35.2	78.6	84.7	97.3	147.9	175.4
Miscellaneous Transactions nes	248.0	361.4	420.4	874.5	853.2	1,064.4	1,201.5	1,192.9	1,797.6	2,595.1	2,981.6
Oil Bunkers	235.9	343.8	399.6	850.6	840.3	1,046.1	1,174.7	1,173.2	1,773.3	2,568.0	2,948.4

1 Exclude processed rubber and sawn timber.

2 Figures from 1975 include petroleum naphtha which was previously included under chemicals.

9.8 IMPORTS OF SPECIFIC COMMODITY

Million Dollars

Year	Meat	Rice	Unmilled Cereals	Fruits and Nuts	Spices	Animal Feed	Crude Rubber	Sawn Timber	Crude Petroleum
1971	59.6	88.8	44.8	86.4	128.1	102.1	468.8	29.5	718.0
1972	60.4	126.0	44.2	93.4	131.4	112.2	477.2	36.0	909.4
1973	78.3	163.1	107.5	102.5	151.1	119.6	974.4	110.2	1,139.2
1974	108.6	196.8	204.0	114.3	144.5	105.2	1,126.8	115.5	3,932.8
1975	106.3	122.2	211.8	134.8	156.3	138.9	745.5	105.1	3,597.0
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

9.8 IMPORTS OF SPECIFIC COMMODITY (continued)

Million Dollars

Year	Petroleum Products	Vegetable Oil	Medicinal Products	Paper and Paperboard	Textile Yarn and Thread	Woven Textile Fabrics	Steel Plates, Bars, etc	Iron Pipes and Fittings	Generators
1971	518.8	187.1	71.8	105.8	82.6	647.5	221.1	85.1	244.0
1972	474.0	139.6	74.9	98.9	65.3	630.2	255.4	86.9	308.5
1973	475.0	174.7	85.5	161.2	119.6	732.8	382.5	95.6	390.6
1974	958.5	367.3	124.1	229.1	126.4	621.3	739.5	391.8	559.7
1975	1,133.5	198.0	150.2	134.5	96.7	559.0	520.7	646.0	743.5
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	1,081.0
1980	2,725.9	239.6	206.8	414.6	207.0	1,228.4	1,037.5	591.4	1,500.1
1981	2,344.5	226.9	203.6	427.3	177.2	1,279.4	1,242.7	931.6	1,670.6

9.8 IMPORTS OF SPECIFIC COMMODITY (continued)

Million Dollars

Year	Industrial Machinery	Telecommunications Apparatus	Other Machinery and Equipment	Motor Vehicles	Ships, Boats and Oil Rigs	Clothing	Scientific Instrument	Watches and Clocks	Toys and Games
1971	443.8	157.0	605.8	358.3	114.4	85.2	104.0	86.8	41.5
1972	434.2	182.7	976.4	290.4	114.3	74.4	142.6	125.8	45.1
1973	549.7	244.9	1,236.1	395.2	229.3	90.3	179.2	149.1	54.2
1974	1,013.9	365.5	1,906.8	566.8	434.4	133.1	246.8	246.7	77.1
1975	821.4	390.4	1,929.0	333.0	298.4	143.4	210.8	233.1	91.0
1976	719.1	410.5	2,350.4	432.5	546.2	189.1	236.9	291.7	105.1
1977	657.1	517.8	2,763.8	567.7	579.1	220.9	265.2	321.4	143.1
1978	785.9	586.4	3,609.3	741.4	782.0	256.3	355.5	385.9	145.5
1979	1,208.2	997.8	4,155.8	967.8	692.7	238.5	514.2	377.7	152.4
1980	1,617.3	1,478.7	5,294.0	1,268.3	1,114.7	303.3	674.0	576.3	202.8
1981	1,681.4	1,446.1	6,150.1	1,264.5	1,259.6	415.1	806.3	541.9	237.3

9.9 EXPORTS OF SPECIFIC COMMODITY

Million Dollars

Year	Spices	Coffee	Animal Feed	Crude Rubber	Sawn Timber	Petroleum Products	Vegetable Oil	Medicinal Products	Manufactured Fertilizers
1971	122.6	65.3	75.4	942.8	95.0	1,133.4	205.1	28.9	27.8
1972	124.6	45.9	75.7	842.5	131.3	1,157.8	147.3	33.4	43.5
1973	118.7	40.5	100.7	1,626.9	313.6	1,354.1	168.2	84.4	61.2
1974	156.4	52.0	122.5	2,031.4	213.6	3,652.5	349.0	161.8	83.6
1975	182.2	51.0	88.5	1,302.6	152.1	3,355.8	232.7	173.9	62.2
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

9.9 EXPORTS OF SPECIFIC COMMODITY (continued)

Million Dollars

Year	Crude Vegeta- ble Materials	Wood Simply Shaped	Textile Yarn and Thread	Woven Textile Fabrics	Steel Plates, Bars, etc	Tubes, Pipes and Fittings	Generators	Office Machines	Industrial Machinery
1971	42.4	76.1	22.6	164.6	30.9	30.0	60.9	10.8	84.6
1972	47.5	114.5	38.3	172.1	32.4	18.9	104.6	282.2	86.2
1973	52.5	226.7	83.5	231.2	63.7	18.8	144.4	356.7	127.2
1974	64.0	188.4	90.9	198.4	117.2	48.5	228.2	341.7	193.3
1975	62.6	186.5	69.0	187.5	66.0	127.3	267.7	207.7	264.1
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	549.5	247.7	569.0
1980	212.0	548.2	198.9	466.5	252.5	170.0	760.6	341.3	799.8
1981	216.3	538.1	143.4	475.8	238.4	301.2	1,027.7	380.6	918.1

9.9 EXPORTS OF SPECIFIC COMMODITY (continued)

Million Dollars

Year	Telecom- munications Apparatus	Other Machinery and Equipment	Motor Vehicles	Ships, Boats and Oil Rigs	Furniture	Clothing	Scientific Instrument	Watches and Clocks	Printed Matter
1971	76.4	308.8	141.0	34.1	6.3	138.6	21.2	18.8	39.9
1972	171.4	293.1	141.8	66.9	8.1	222.9	65.7	21.9	41.6
1973	249.4	714.4	181.4	93.7	12.7	319.7	113.4	32.1	48.6
1974	380.5	1,144.0	260.8	244.1	17.4	310.4	124.9	48.5	68.2
1975	400.5	1,157.9	190.9	309.0	18.8	277.7	173.7	114.6	62.3
1976	567.6	1,710.2	229.2	640.3	39.1	448.6	160.7	235.1	71.4
1977	803.9	2,158.4	276.3	532.1	48.1	514.1	181.7	184.9	113.1
1978	1,061.6	2,644.8	329.6	410.6	70.5	672.2	185.8	223.6	106.7
1979	1,722.8	3,445.7	333.8	722.6	109.2	811.0	328.5	189.8	115.2
1980	2,718.0	3,896.7	490.3	931.1	138.2	912.8	390.3	221.8	129.8
1981	2,642.5	3,852.7	464.8	1,137.7	179.0	990.1	454.2	250.9	166.0

10. TRANSPORT AND COMMUNICATION

Vessels Entered and Cleared

Data on the movement of vessels are compiled from declarations submitted to the Port Master (to Director of Marine prior to April 1973) by all merchant ships except fishing vessels 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.

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. The data include transshipment cargo but exclude military stores. Data on "mineral oil-in-bulk" cover crude and refined petroleum carried by tankers

discharged or loaded 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 Department of Civil Aviation and relate primarily to passengers, freight and mail on commercial flights handled at the Paya Lebar Airport (up to 30 Jun 81), Changi Airport (from 1 Jul 81) and Seletar Aerodrome.

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.

Data on visitors are compiled from immigration embarkation/disembarkation forms completed by all persons arriving in Singapore at the points of entry.

Roads

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

Major Arterial Roads - Rural highways and expressways entering the city area, principal road network for through traffic and roads linking principal areas of traffic generation.

Collector Roads - Distributor

and collector roads serving traffic between major arterial roads and local streets and also those used mainly for traffic movements between adjacent residential, commercial and industrial areas.

Local Roads - Roads used primarily for access to residential, commercial and industrial areas.

Vehicles Registered

Registration of motor vehicles is compulsory and licensing is renewable every six months or a year with the Registry of Vehicles. From 8 September 81, registration of non-motor vehicles is not compulsory.

Road Casualties

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

10.1 VESSELS REGISTERED IN SINGAPORE
(End of Period)

Tonnage Class (Gross Registered Tons)	1977		1978		1979		1980		1981	
	Number	'000 GRT	Number	'000 GRT	Number	'000 GRT	Number	'000 GRT	Number	'000 GRT
Total	1,780	7,514	1,742	7,959	1,583	7,690	1,552	7,420	1,682	7,776
Non-propelled or Below 100	904	409	813	389	731	350	765	392	898	498
100 & Above	876	7,105	929	7,570	852	7,340	787	7,028	784	7,278

Source: Marine Department

10.2 AGE DISTRIBUTION OF VESSELS REGISTERED IN SINGAPORE, DECEMBER 1981

Tonnage Class (Gross Registered Tons)	Age Group (Years)													
	0 - 4		5 - 9		10 - 14		15 - 19		20 - 24		25 - 29		30 and Above	
	Number	'000 GRT	Number	'000 GRT	Number	'000 GRT	Number	'000 GRT	Number	'000 GRT	Number	'000 GRT	Number	'000 GRT
Total	573	1,665	557	3,136	242	1,266	101	604	116	706	66	344	27	55
Non-propelled or Below 100	453	267	336	187	92	38	8	4	3	1	1	-	5	1
100 to Below 500	35	7	56	14	30	9	26	8	8	3	1	-	3	1
500 to Below 1,000	4	3	11	9	22	20	11	10	12	10	6	5	3	3
1,000 to Below 5,000	24	85	35	109	37	92	21	47	31	75	25	57	12	22
5,000 to Below 10,000	13	96	41	315	28	234	15	127	43	343	27	215	4	28
10,000 & Above	44	1,207	78	2,502	33	873	20	408	19	274	6	67	-	-

Source: Marine Department

10.3 VESSELS LICENSED IN SINGAPORE

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
1971	2,491	69	2,197	225	..	794	573	221
1972	2,902	64	2,346	492	..	776	535	241
1973	2,788	50	2,276	462	..	816	529	287
1974	2,631	35	2,150	446	..	769	509	260
1975	2,751	28	1,921	258	544	737	499	238
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	2,335	15	1,793	527	591	655	526	129

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

Source: Marine Department
Department of Primary Production
Port of Singapore Authority

10.4 VESSELS ENTERED AND CLEARED

Year	Total				Vessels of Over 75 NRT				Vessels of 75 NRT and Under and Native Crafts of All Types ¹			
	Entered		Cleared		Entered		Cleared		Entered		Cleared	
	Number	'000 NRT	Number	'000 NRT	Number	'000 NRT	Number	'000 NRT	Number	'000 NRT	Number	'000 NRT
1971	35,009	77,992	34,417	77,119	19,073	77,362	18,723	76,449	15,936	630	15,694	670
1972	34,461	89,631	34,532	89,675	18,624	88,731	18,628	88,740	15,837	900	15,904	935
1973	36,511	94,984	36,705	93,994	18,948	93,564	18,884	92,518	17,563	1,420	17,821	1,476
1974	36,187	104,647	36,240	104,586	19,641	103,215	19,617	103,028	16,546	1,432	16,623	1,558
1975	38,518	104,267	38,522	104,332	20,216	102,587	20,201	102,608	18,302	1,680	18,321	1,724
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	3,725	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

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

1 Include non-motorised vessels of all tonnages.

10.5 SEABORNE CARGO DISCHARGED AND LOADED

Thousand Freight Tonnes

Year	Discharged			Loaded		
	Total	General Cargo and Other Bulk Cargo	Mineral Oil-in-Bulk	Total	General Cargo and Other Bulk Cargo	Mineral Oil-in-Bulk
1971	29,754.8	7,189.5	22,565.3	19,867.5	4,316.3	15,551.2
1972	35,651.8	7,140.5	28,511.3	21,412.4	4,555.4	16,857.0
1973	38,566.9	8,651.6	29,915.3	22,702.0	5,613.7	17,088.3
1974	37,713.6	9,092.7	28,620.9	22,738.9	5,665.1	17,073.8
1975	33,032.0	9,452.0	23,580.0	19,067.2	5,329.3	13,737.9
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

10.6 SEABORNE CARGO DISCHARGED AND LOADED BY REGION AND SELECTED COUNTRIES OF ORIGIN AND DESTINATION

Thousand Freight Tonnes

Region/Country of Origin or Destination	1977		1978		1979		1980		1981	
	Discharged	Loaded	Discharged	Loaded	Discharged	Loaded	Discharged	Loaded	Discharged	Loaded
ALL COUNTRIES	39,833.8	24,284.8	44,832.5	28,506.7	48,424.4	31,388.4	48,550.0	32,412.5	53,598.7	33,745.1
South East Asia	3,112.0	3,846.0	4,457.4	5,216.1	6,997.1	6,214.4	6,072.8	7,335.7	7,807.4	7,720.8
Peninsular Malaysia (West Coast)	186.6	857.1	189.1	914.3	446.6	1,386.9	604.9	2,172.2	515.4	2,288.1
Peninsular Malaysia (East Coast)	485.8	185.4	1,168.5	187.9	2,317.4	263.1	1,755.6	250.8	2,611.8	325.7
Sabah-Sarawak	710.4	827.1	877.8	964.8	1,435.9	1,079.9	1,170.4	1,290.8	1,575.5	1,336.3
Thailand	720.4	1,163.5	1,069.7	2,001.6	1,300.7	2,440.5	1,299.4	2,482.6	1,637.4	2,546.6
North East Asia	5,237.9	9,903.9	5,676.3	11,057.7	6,364.2	11,694.7	8,074.6	11,388.5	9,632.7	12,669.6
China People's Republic	495.6	59.4	489.9	82.2	550.4	115.8	856.1	185.4	1,451.6	275.9
Hong Kong	432.2	4,384.9	539.9	4,337.1	696.4	4,911.5	821.4	5,669.2	935.5	5,793.8
Japan	3,393.5	4,453.4	3,560.0	5,535.7	3,965.7	5,784.1	4,879.5	4,181.6	5,521.0	5,527.0
Taiwan	620.1	546.1	616.8	583.1	565.1	313.5	861.4	707.4	1,064.3	499.0
South Asia	466.9	726.8	487.4	1,951.2	418.5	1,948.7	586.4	2,576.9	620.6	2,403.2
Red Sea & Persian Gulf Area	26,386.3	1,571.8	28,665.6	1,822.0	28,491.2	2,174.4	25,968.1	2,211.3	28,055.9	2,613.6
Bahrein	1,395.0	80.9	1,218.9	61.9	1,591.1	183.7	1,662.3	60.1	1,629.4	66.7
Iran	3,899.4	71.9	2,978.6	83.3	2,221.0	80.4	1,198.5	92.2	1,230.9	144.8
Kuwait	1,261.2	79.4	1,782.7	108.2	5,569.9	138.2	5,860.8	187.9	3,185.4	322.9
Saudi Arabia	17,009.1	571.0	17,760.9	685.8	15,585.4	768.5	15,243.6	803.8	19,300.4	948.3
Mediterranean Sea (excluding France)	261.8	442.5	306.5	367.9	406.4	551.3	496.0	578.8	392.7	433.2
Other Africa	567.8	426.1	636.5	419.9	601.9	409.0	924.4	544.9	797.5	761.9
Atlantic Europe	1,154.7	1,142.1	1,536.1	1,513.1	1,733.2	1,980.6	2,015.0	2,037.4	2,203.7	1,830.9
France	136.4	238.5	166.8	252.0	180.1	354.4	226.5	426.5	294.0	313.4
Germany Federal Republic	322.5	211.7	519.3	279.1	551.5	337.7	560.9	368.3	675.7	373.2
Netherlands	205.5	288.2	289.5	432.4	353.2	658.3	485.0	811.6	562.5	595.2
United Kingdom	378.7	333.9	408.6	435.2	388.9	469.2	477.7	321.6	391.3	390.5
Northern Europe	46.3	68.4	140.7	86.1	138.5	118.1	117.9	116.7	90.5	119.8
Soviet Union & Other Eastern Europe	86.2	127.5	104.8	146.6	157.5	182.3	134.2	185.1	182.0	150.5
Oceania	927.9	3,660.3	1,108.8	3,636.8	1,328.6	4,472.1	1,689.4	4,264.8	1,498.3	3,688.0
Australia (West Coast)	145.9	439.3	229.5	620.1	206.8	764.6	218.8	713.5	301.6	905.0
Australia (East Coast)	643.3	1,661.8	665.2	1,450.5	917.3	1,470.5	1,289.8	1,138.2	1,033.5	968.3
New Zealand	57.1	374.7	108.8	344.0	123.8	847.9	94.7	964.4	103.4	672.9
North America	1,078.9	2,181.6	1,296.1	2,103.6	1,303.4	1,408.8	1,942.5	965.8	2,144.9	1,127.2
United States (Atlantic Ports)	462.0	581.9	559.5	827.1	506.3	455.0	708.1	516.4	540.2	662.2
United States (Pacific Ports)	464.6	1,241.7	403.9	922.6	531.3	620.0	827.1	287.0	1,297.5	325.0
Central & South America	507.1	187.8	416.3	185.7	483.9	234.0	528.7	206.6	172.5	226.4

10.7 CIVIL AIRCRAFT LANDINGS, PASSENGERS AND MAIL

Year	Landings From		Passengers					Mail			
	Peninsular Malaysia	Other Countries	Arrivals From		Departures To		In Transit	From		To	
			Peninsular Malaysia	Other Countries	Peninsular Malaysia	Other Countries		Peninsular Malaysia	Other Countries	Peninsular Malaysia	Other Countries
	Number		Persons					Tonnes			
1971	4,540	16,832	207,548	618,164	207,779	628,017	344,775	120	1,162	235	1,279
1972	5,773	19,536	249,866	779,348	247,942	791,310	466,875	89	1,222	250	1,339
1973	6,833	22,343	350,299	1,000,446	343,522	1,030,411	583,850	109	1,348	297	1,480
1974	5,855	24,860	356,336	1,126,896	350,260	1,163,472	631,028	63	1,494	324	1,857
1975	5,825	26,366	371,804	1,275,277	360,857	1,316,106	712,105	57	1,598	328	2,490
1976	6,705	26,005	405,732	1,453,773	399,963	1,480,925	795,465	129	1,630	342	2,557
1977	7,640	25,902	439,257	1,667,453	425,362	1,692,747	899,084	124	1,916	397	2,981
1978	8,040	27,336	492,486	1,917,769	472,702	1,931,426	935,415	133	2,613	392	2,875
1979	8,312	28,697	590,430	2,129,750	571,818	2,138,249	1,064,077	160	3,459	536	3,262
1980	8,492	29,464	704,401	2,436,322	677,446	2,473,586	1,002,794	125	3,850	562	3,514
1981	8,042	27,610	783,268	2,813,836	698,418	2,879,690	976,946	136	4,155	569	3,675

10.8 AIR CARGO DISCHARGED BY COUNTRY OF ORIGIN AND LOADED BY COUNTRY OF DESTINATION

Tonnes

Country of Origin or Destination	1977		1978		1979		1980		1981	
	Discharged	Loaded	Discharged	Loaded	Discharged	Loaded	Discharged	Loaded	Discharged	Loaded
Total	35,361	53,142	58,734	64,359	78,301	79,786	90,713	91,062	100,931	96,172
Australia	2,584	3,993	3,445	4,834	5,310	5,700	5,176	5,979	7,833	7,380
France	412	1,806	1,071	2,150	1,367	2,737	1,614	3,446	1,277	2,569
Germany	1,350	3,160	2,416	3,513	2,419	4,075	2,458	4,212	2,622	3,577
Hong Kong	5,717	3,784	8,444	5,798	10,503	6,127	12,332	4,970	12,171	5,748
India	271	543	2,720	807	2,559	1,070	2,114	1,356	2,042	1,888
Indonesia	2,090	11,059	3,304	11,494	6,110	9,942	8,743	12,784	8,226	17,470
Italy	259	701	749	878	953	1,083	589	1,040	729	542
Japan	4,991	2,308	8,107	2,704	11,153	4,178	16,002	5,181	15,429	6,617
Malaysia	2,576	5,286	4,205	6,270	4,829	8,393	5,081	9,584	4,859	9,419
Netherlands	1,416	2,847	1,950	2,984	3,228	3,742	3,533	4,030	5,080	3,397
New Zealand	391	485	882	882	1,097	1,127	1,133	1,096	1,817	1,604
Philippines	316	1,105	1,138	988	1,363	1,548	1,485	1,555	2,229	2,091
Scandinavia	1,380	1,647	1,907	1,624	1,779	1,701	1,652	1,791	1,713	1,163
Switzerland	476	523	1,449	687	1,523	1,084	2,169	1,700	2,222	2,230
Taiwan	1,568	702	3,388	775	4,399	1,096	4,991	1,215	4,895	1,267
Thailand	2,232	1,524	3,452	2,081	3,758	3,062	4,655	5,192	6,848	4,534
United Kingdom	1,664	2,189	1,974	3,547	2,378	4,110	2,407	5,007	2,502	4,900
United States	3,098	2,283	5,111	3,367	7,844	4,732	7,644	4,515	7,101	4,561
Other Countries	2,570	7,197	3,022	8,976	5,729	14,279	6,935	16,409	11,336	15,215

Note: Data exclude air cargo in transit.

10.9 ARRIVALS AND DEPARTURES OF AIR AND SEA PASSENGERS

Year	Arrivals			Departures		
	Total	Air	Sea	Total	Air	Sea
1971	662,359	618,164	44,195	683,715	628,017	55,698
1972	838,027	779,348	58,679	860,581	791,310	69,271
1973	1,066,234	1,000,446	65,788	1,100,721	1,030,411	70,310
1974	1,199,584	1,126,896	72,688	1,237,282	1,163,472	73,810
1975	1,337,623	1,275,277	62,346	1,377,798	1,316,106	61,692
1976	1,525,215	1,453,773	71,442	1,544,815	1,480,925	63,890
1977	1,725,797	1,667,453	58,344	1,747,157	1,692,747	54,410
1978	1,982,003	1,917,769	64,234	1,992,611	1,931,426	61,185
1979	2,202,704	2,129,750	72,954	2,202,244	2,138,249	63,995
1980	2,532,746	2,436,322	96,424	2,555,510	2,473,586	81,924
1981	2,929,436	2,813,836	115,600	2,992,867	2,879,690	113,177

Note: Data exclude movements of passengers between Singapore and Peninsular Malaysia.

10.10 AIR PASSENGERS BY COUNTRY OF EMBARKATION AND DISEMBARKATION

Number

Country of Embarkation or Disembarkation	1977		1978		1979		1980		1981	
	Arrivals	Departures	Arrivals	Departures	Arrivals	Departures	Arrivals	Departures	Arrivals	Departures
Total	1,667,453	1,692,747	1,917,769	1,931,426	2,129,750	2,138,249	2,436,322	2,473,586	2,813,836	2,879,690
Brunei & Sabah-Sarawak	125,126	129,558	135,621	142,543	157,363	160,996	170,159	173,683	185,080	194,574
Indonesia	466,800	458,140	519,931	509,517	513,259	495,842	560,955	545,890	624,875	619,444
Thailand	205,562	191,888	237,680	221,364	253,707	247,373	286,277	283,721	334,361	322,169
Philippines	65,852	67,150	92,627	87,789	112,602	101,128	126,919	112,774	148,141	131,714
India, Pakistan & Sri Lanka	65,886	70,656	84,574	87,157	101,193	104,431	116,386	130,914	144,988	171,576
Hong Kong	181,211	191,172	211,573	206,966	222,647	217,313	281,191	274,136	330,374	326,371
Japan	77,429	74,402	85,554	82,992	141,614	138,663	167,344	162,464	210,129	213,852
Other Countries in Asia	61,731	68,644	87,089	93,072	110,097	112,768	117,981	124,195	141,852	154,441
Oceania	181,733	230,737	199,080	240,567	212,176	242,087	249,632	287,936	290,937	336,427
United Kingdom	97,090	73,854	107,022	99,196	107,696	108,194	113,202	107,314	116,939	108,468
Netherlands	35,889	30,663	43,187	40,906	48,251	46,054	55,590	50,995	58,774	54,121
Other Countries in Europe	92,541	95,582	107,060	110,046	126,725	129,765	145,530	143,499	168,860	165,062
Other Countries	10,603	10,301	6,771	9,311	23,057	33,635	45,156	76,065	58,526	81,471

Note: See note to Table 10.9.

10.11 SEA PASSENGERS BY COUNTRY OF EMBARKATION AND DISEMBARKATION

Number

Country of Embarkation or Disembarkation	1977		1978		1979		1980		1981	
	Arrivals	Departures	Arrivals	Departures	Arrivals	Departures	Arrivals	Departures	Arrivals	Departures
Total	58,344	54,410	64,234	61,185	72,954	63,995	96,424	81,924	115,600	113,177
Brunei & Sabah-Sarawak	1,244	1,564	545	861	56	122	23	48	-	6
Indonesia	39,791	37,195	46,290	42,512	55,148	42,163	82,721	62,469	99,594	92,167
India, Pakistan & Sri Lanka	2,725	3,039	5,635	7,416	7,554	12,053	5,607	9,831	9,066	13,733
Hong Kong	885	759	504	302	496	487	1,394	351	656	83
People's Republic of China	1,956	3,593	2,194	3,783	2,144	4,260	2,117	4,458	1,963	3,977
Oceania	11,569	8,130	8,775	6,150	6,138	3,703	3,749	3,780	2,230	1,674
Other Countries	174	130	291	161	1,418	1,207	813	987	2,091	1,537

Note: See note to Table 10.9.

10.12 VISITORS BY CITIZENSHIP
(By Air, Sea and Land)

Thousand

Citizenship	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
Total	632.1	783.0	984.7	1,087.4	1,169.3	1,320.6	1,506.7	2,047.2	2,247.1	2,562.1	2,828.9
Malaysia	59.9	71.4	87.9	95.7	91.0	97.0	111.0	285.7	350.1	384.1	380.7
Brunei	4.3	5.2	6.2	7.7	11.0	13.6	15.5	16.2	17.7	19.1	22.2
Indonesia	85.6	90.7	117.9	146.3	175.5	210.1	260.2	332.1	287.6	342.5	409.7
Thailand	6.6	9.5	11.3	14.6	22.0	26.8	31.8	60.3	80.2	88.8	103.3
Philippines	12.0	11.8	11.1	16.0	18.3	21.3	25.0	33.6	39.5	44.9	50.8
India	23.5	23.7	27.5	31.0	32.9	31.3	34.8	97.8	124.5	149.6	173.8
Pakistan	1.9	1.9	3.4	3.6	3.9	4.6	5.9	9.8	12.9	17.1	17.7
Sri Lanka	4.0	5.5	7.2	7.4	7.8	7.9	8.9	14.5	16.9	18.8	24.3
China & Taiwan	17.7	22.3	25.1	26.8	28.5	29.5	35.6	35.9	59.6	64.1	59.1
Japan	45.1	70.3	113.4	110.1	119.9	141.5	190.6	218.7	261.0	298.6	365.2
Australia	76.9	104.7	140.6	150.9	166.2	190.1	190.8	204.8	187.8	216.9	231.8
New Zealand	9.0	12.9	16.9	22.2	24.2	28.6	35.9	43.2	50.9	56.1	52.9
United Kingdom	88.7	113.2	125.3	133.5	122.6	124.2	132.2	168.0	182.3	197.6	215.8
UK Dependencies nec	11.3	12.9	16.1	17.7	18.1	20.0	22.7	35.1	42.4	56.8	60.5
France	11.1	14.7	21.8	24.0	28.2	35.1	37.7	45.0	50.5	49.3	53.2
Federal Republic of Germany	14.1	18.8	24.4	29.9	35.4	39.8	45.0	60.3	68.7	78.7	85.1
Italy	6.3	8.7	11.2	12.2	14.9	13.6	15.8	22.5	23.9	27.3	26.4
Netherlands	13.1	17.0	20.7	22.2	25.8	31.0	38.1	45.9	51.3	56.6	59.0
Other European Countries	24.0	31.3	40.0	43.7	45.6	54.5	62.6	78.4	95.7	107.6	118.8
United States	91.4	105.3	117.8	126.0	130.5	147.3	143.3	153.8	144.6	163.5	172.4
Canada	7.7	9.7	11.4	13.0	14.9	16.9	19.3	21.9	22.5	26.5	30.6
Other Countries	17.9	21.5	27.5	32.9	32.1	35.9	44.0	63.7	76.5	97.6	115.6

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

10.13 VISITORS BY COUNTRY OF RESIDENCE
(By Air, Sea and Land)

Thousand

Country of Residence	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
Total	632.1	783.0	984.7	1,087.4	1,169.3	1,320.6	1,506.7	2,047.2	2,247.1	2,562.1	2,828.9
Malaysia	76.0	87.6	105.6	113.9	109.7	115.3	128.4	356.7	433.3	481.5	478.0
Brunei	7.9	10.0	12.3	13.8	18.1	21.6	24.4	28.6	30.9	33.0	36.9
Indonesia	98.5	107.6	139.1	172.2	207.2	245.7	300.4	369.2	317.8	371.8	439.5
Thailand	11.3	14.6	16.6	20.2	27.4	32.2	36.7	64.4	84.4	93.6	108.7
Philippines	14.4	14.2	12.8	17.8	20.0	23.3	27.2	36.3	42.8	48.1	53.6
India	18.7	18.8	21.8	24.3	25.6	23.3	24.5	55.8	70.4	85.5	116.9
Pakistan	2.0	1.8	3.1	3.3	3.7	4.1	5.2	8.1	11.0	15.1	15.4
Sri Lanka	3.5	4.7	6.4	6.5	6.8	6.7	7.3	11.1	13.5	15.5	21.0
China & Taiwan	8.7	11.1	12.9	15.8	17.1	18.1	23.2	30.6	52.1	57.0	56.1
Hong Kong	24.6	29.7	35.7	36.1	37.2	40.2	44.1	52.1	62.7	82.5	85.7
Japan	46.2	71.3	113.4	109.3	118.7	139.5	188.9	209.3	250.3	287.4	354.8
Other Countries in Asia	12.6	14.0	17.1	20.0	18.5	20.7	30.1	47.5	60.7	75.3	87.2
Australia	106.5	139.4	174.1	184.3	194.2	217.0	216.1	228.9	206.4	239.2	258.6
New Zealand	11.2	16.8	21.6	27.4	28.8	34.7	44.1	51.7	60.8	63.0	58.0
United Kingdom	47.9	65.8	76.2	83.2	74.4	72.8	78.2	100.0	117.3	128.4	145.0
France	8.0	11.2	17.3	19.0	22.7	28.8	31.0	37.0	42.0	40.2	44.7
Federal Republic of Germany	11.0	15.3	20.2	25.5	31.0	35.6	39.9	55.0	63.5	73.0	79.8
Italy	5.7	7.8	10.5	11.4	14.0	12.8	15.0	20.9	22.8	26.3	25.3
Netherlands	8.6	11.2	14.1	15.2	18.5	23.1	29.6	36.7	42.2	47.1	49.6
Other European Countries	18.7	25.4	33.2	37.4	39.5	48.9	56.3	71.2	88.0	98.4	103.1
United States	76.2	87.1	98.6	104.1	106.2	122.3	118.1	126.2	118.7	135.8	143.6
Canada	6.2	7.9	9.5	11.1	12.7	14.6	16.4	18.1	17.9	20.9	24.2
Other Countries	7.7	9.7	12.6	15.6	17.3	19.3	21.6	31.8	37.6	43.5	43.2

Note: See notes to Table 10.12.

10.14 VISITORS BY COUNTRY OF EMBARKATION
(By Air, Sea and Land)

Thousand

Country of Embarkation	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
Total	632.1	783.0	984.7	1,087.4	1,169.3	1,320.6	1,506.7	2,047.2	2,247.1	2,562.1	2,828.9
Peninsular Malaysia	71.6	81.1	106.7	115.5	122.9	128.8	148.5	540.2	622.6	732.8	784.6
Brunei & Sabah-Sarawak	53.6	60.8	66.2	71.7	78.7	84.6	98.5	102.6	119.3	126.4	135.9
Indonesia	157.0	182.5	238.4	291.4	335.9	371.7	415.9	451.9	424.8	471.8	528.6
Thailand	60.1	80.5	109.8	120.1	119.7	137.2	154.1	176.5	181.3	203.8	227.8
Philippines	22.2	20.4	23.0	29.7	34.1	36.9	45.7	59.2	72.1	79.0	81.0
India, Pakistan & Sri Lanka	24.2	24.8	32.5	36.7	39.6	42.4	47.5	66.3	78.0	85.0	104.9
Hong Kong	51.7	60.6	73.3	71.9	78.1	93.1	106.9	118.1	125.6	153.4	166.9
Taiwan	5.0	7.5	8.0	10.2	12.5	16.7	19.2	22.1	29.1	32.5	34.0
Japan	15.0	28.2	47.5	47.0	56.2	72.5	99.8	106.3	148.3	173.8	224.4
Other Countries in Asia	14.5	14.7	17.6	21.6	17.8	16.1	22.9	32.0	45.4	48.9	51.9
Australia & New Zealand	89.1	107.2	124.0	125.2	126.9	147.6	156.3	159.0	160.7	189.3	208.2
United Kingdom	33.4	69.7	74.2	74.3	64.6	68.6	76.7	78.3	83.5	88.7	87.8
Other Countries in Europe	28.5	38.1	55.0	57.0	62.0	77.5	92.8	101.1	117.3	134.1	143.0
United States	3.1	3.2	3.3	7.9	10.9	14.7	11.6	6.6	14.6	24.3	29.3
Africa	0.4	0.3	0.4	1.3	1.5	1.1	0.3	0.5	0.9	1.2	1.7
Other Countries	2.7	3.4	4.8	5.9	7.9	11.1	10.0	26.5	23.6	17.1	18.9

Note: See notes to Table 10.12.

10.15 VISITORS BY PURPOSE OF VISIT

(By Air, Sea and Land)

Year	Number				
	Total	Vacation	Business	Business/Vacation	Others
1971	632,149	380,292	95,619	57,178	99,060
1972	783,015	459,491	108,698	70,521	144,305
1973	984,732	603,489	126,044	87,027	168,172
1974	1,087,443	652,827	140,026	102,473	192,117
1975	1,169,270	728,486	146,505	110,030	184,249
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

Note: See notes to Table 10.12.

10.16 TOURIST ARRIVALS, HOTELS AND CESS COLLECTION

Year	Tourist Arrivals	Tourist Hotels	Hotel Rooms	Occupancy Rate	Cess from Tourist Hotels	Sales Tax on Food and Drinks
	Thousand	Number ¹		Per Cent	Thousand Dollars	
1971	632.1	71	7,250	65.4	1,734.7	4,484.5
1972	783.0	70	8,358	60.6	2,053.8	5,435.1
1973	984.7	71	9,413	67.1	2,612.2	7,107.2
1974	1,087.4	70	9,913	69.6	3,024.6	7,886.7
1975	1,169.3	69	9,904	74.7	3,367.3	9,030.2
1976	1,320.6	71	10,254	78.4	3,892.0	9,877.7
1977	1,506.7	68	10,547	83.3	4,666.6	11,013.1
1978	2,047.2	72	11,505	86.5	5,758.4	12,574.3
1979	2,247.1	72	12,159	85.4	7,304.6	14,414.9
1980	2,562.1	69	12,756	86.1	9,671.3	17,576.1
1981	2,828.9	69	13,924	85.7	12,355.6	20,812.4
1982	2,956.7				13,789.2	22,921.2

1 End of year.

Source: Singapore Tourist Promotion Board
Customs and Excise Department

10.17 RETURNING SINGAPORE RESIDENTS BY COUNTRY OF EMBARKATION
(By Air and Sea)

Number

Country of Embarkation	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
Total	97,671	127,509	148,192	173,221	186,369	208,973	230,167	265,283	299,876	330,118
Peninsular Malaysia	3,836	4,106	4,241	3,662	3,749	3,807	-	-	-	-
Brunei & Sabah-Sarawak	10,035	10,968	13,185	16,008	18,378	20,347	20,194	23,581	26,939	29,912
Indonesia	23,297	34,863	47,982	56,689	56,069	57,012	53,955	65,075	77,322	82,988
Thailand	9,144	14,223	17,964	24,837	25,111	27,693	31,578	37,585	41,477	46,113
Philippines	749	1,182	3,025	4,498	7,544	11,842	11,722	13,358	13,822	15,492
India, Pakistan & Sri Lanka	8,662	10,740	9,897	9,976	11,374	13,483	14,237	17,832	22,204	23,127
Hong Kong	17,758	21,833	20,220	23,161	28,862	32,819	32,255	40,177	50,458	55,890
Taiwan	2,089	4,047	4,985	5,467	6,188	6,603	7,511	9,672	11,174	12,931
Japan	1,316	1,960	1,854	1,897	2,141	3,327	3,288	4,765	6,936	9,853
Other Countries in Asia	5,841	7,374	7,834	5,852	3,359	5,607	6,375	7,038	7,442	7,488
Australia & New Zealand	4,736	5,135	5,717	6,071	7,131	8,189	8,159	9,477	13,019	15,155
United Kingdom	7,095	7,234	6,965	8,135	8,680	10,443	10,907	11,652	11,889	11,498
Other Countries in Europe	2,030	2,648	2,744	3,274	4,022	5,100	5,931	7,004	8,410	9,293
United States	85	178	459	643	791	810	1,046	3,860	6,485	8,428
Africa	26	13	11	27	64	22	27	76	30	39
Other Countries	972	1,005	1,109	3,024	2,906	1,869	22,982	14,131	2,269	1,911

Note: Figures prior to 1978 exclude returning residents of 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.

10.18 PUBLIC ROADS

End of Year	Total	Major Arterial Roads	Collector Roads	Kilometres	
				Local Roads Improved	Local Roads Unimproved
1971	1,973	241	113	1,059	560
1972	2,070	244	113	1,225	488
1973	2,139	248	114	1,281	496
1974	2,155	250	115	1,300	490
1975	2,173	263	122	1,337	451
1976	2,218	275	138	1,393	412
1977	2,237	281	140	1,430	386
1978	2,267	297	142	1,473	355
1979	2,289	308	144	1,509	328
1980	2,356	352	157	1,539	308
1981	2,478	399	188	1,596	295

Source: Public Works Department

10.19 VEHICLES REGISTERED

Number

End of Year	Motor Vehicles							Non-motor Vehicles			
	Total	Motor Cars		Buses	Goods Vehicles	Motor Cycles and Scooters	Others ¹	Total	Bicycles	Tricycles	Others ²
		Private	Public								
1971	314,124	155,956	5,934	3,959	38,071	109,655	549	409,634	382,428	21,474	5,732
1972	337,364	168,991	6,025	4,343	41,805	115,619	581	420,013	392,341	21,965	5,707
1973	367,541	187,972	6,326	4,775	45,097	122,714	657	433,825	406,119	22,213	5,493
1974	276,866	142,674	6,306	4,779	36,424	84,849	1,834	454,585	426,821	22,346	5,418
1975	280,378	142,045	6,492	4,935	41,363	83,145	2,398	476,821	448,836	22,527	5,458
1976	279,864	135,499	6,581	5,217	45,733	84,016	2,818	506,437	478,309	22,599	5,529
1977	289,954	134,903	7,201	5,442	49,502	89,840	3,066	530,526	502,489	22,651	5,386
1978	309,384	137,240	9,124	5,874	55,608	98,248	3,290	552,384	524,203	22,404	5,777
1979	338,729	143,402	10,277	6,217	67,201	108,051	3,581	574,039	547,804	22,328	3,907
1980	371,341	152,574	11,922	6,512	78,020	118,345	3,968	597,518	570,685	22,252	4,581
1981	401,805	161,692	13,375	6,950	87,752	127,722	4,314	614,322	586,973	22,253	5,096

Note: With effect from January 1974, the records on motor vehicles are computerised.
 Figures from 1974 onwards are not comparable with those of earlier years.

Source: Registry of Vehicles

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

2 Including handcarts, trailers and trishaws.

10.20 ROAD CASUALTIES

Persons

Year	Total		Pedestrians		Pedal Cyclists ¹		Motor Cyclists and Passengers		Motor Vehicle Drivers and Passengers		Others	
	Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured
1971	341	9,842	162	3,055	52	988	57	2,964	69	2,777	1	58
1972	390	10,819	179	3,295	25	850	73	3,070	112	3,517	1	87
1973	380	11,472	185	3,533	45	913	94	3,263	52	3,647	4	116
1974	288	9,735	117	3,021	30	904	59	2,599	74	3,106	8	105
1975	282	8,566	120	2,600	30	811	72	2,277	55	2,794	5	84
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

¹ Include trishaw riders and passengers.

Source: Police Department

10.21 POSTAL ARTICLES HANDLED

Thousand

Year	Total	Letters	Postcards	Printed Matters	Airmail Correspondence 1st Class	Registered Articles	Parcels	Unregistered Government Franked Correspondence	Others
1971	268,094	70,322	1,742	118,780	43,331	8,188	1,766	23,945	20
1972	282,824	81,722	1,794	123,521	46,633	8,122	1,759	19,258	15
1973	299,148	144,895	2,616	65,447	57,723	8,148	1,804	18,498	17
1974	315,142	144,618	2,547	73,568	58,647	9,397	1,711	24,636	18
1975	331,447	158,352	1,772	72,432	59,761	10,514	1,650	26,953	13
1976	350,172	161,404	2,359	82,211	59,845	11,195	1,664	31,483	11
1977	367,500	161,246	1,668	81,727	79,805	11,697	1,735	29,615	7
1978	392,893	187,779	1,412	77,451	86,416	12,681	1,588	25,560	6
1979	412,085	198,618	1,842	86,916	88,310	13,928	1,635	20,828	8
1980	443,989	205,011	2,346	93,891	96,477	15,785	1,713	28,761	5
1981	481,842	223,760	3,340	101,353	103,305	17,344	1,753	30,982	5

Source: Postal Department

10.22 TELECOMMUNICATIONS

Thousand

Year	Outgoing Telegrams		Outgoing Telex Calls		International Telephone Calls ¹	Total Number of Telephones Installed ²
	Peninsular Malaysia	Other Countries	Peninsular Malaysia	Other Countries		
1971	96	972	28	176	350	190
1972	86	1,015	37	319	431	218
1973	76	1,140	44	528	577	250
1974	74	1,039	61	914	707	280
1975	68	840	110	1,552	843	318
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

1 Figures exclude calls to Peninsular Malaysia.

Source: The Telecommunication Authority of Singapore

2 End of period.

11. FINANCE AND INSURANCE

Banking

Banking Statistics are compiled from returns submitted by banks operating in Singapore to the Monetary Authority of Singapore.

Finance Companies

Finance Companies Statistics are compiled from monthly returns submitted to The Monetary Authority of Singapore under the Finance Companies Act.

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 Monetary Authority of Singapore.

Insurance

Data on insurance are compiled by The Monetary Authority of Singapore from returns submitted by all insurance companies in Singapore.

Post Office Savings Bank

The Post Office Savings Bank of Singapore is incorporated under the Post Office Savings Bank of Singapore Act, 1971. The principal objectives of the Bank are to provide a means for the deposit of savings, to 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 46.

11.1 CURRENCY IN CIRCULATION

End of Year	Gross Circulation			Active Circulation ¹	Ratio of Active to Gross Circulation
	Total	Notes	Coins		
	Million Dollars			Per Cent	
1971	878.9	818.5	60.4	806.0	91.7
1972	1,097.9	1,029.2	68.7	1,004.8	91.5
1973	1,227.6	1,157.0	70.6	1,114.4	90.8
1974	1,447.2	1,367.0	80.2	1,306.4	90.3
1975	1,802.5	1,690.3	112.2	1,637.7	90.9
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

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

11.2 MONEY SUPPLY

Million Dollars

End of Year	Money Supply (M2)	Money Supply (M1)			Quasi Money		
		Total	Currency in Active Circulation ¹	Demand Deposits of Private Sector	Fixed Deposits	S\$ Negotiable Certificates of Deposits	Savings And Other Deposits
1971	4,204.6	1,759.9	806.0	953.9	1,960.0	-	484.7
1972	5,281.7	2,384.8	1,004.8	1,380.0	2,283.2	-	613.7
1973	6,103.2	2,632.7	1,114.4	1,518.3	2,742.6	-	727.9
1974	6,924.8	2,858.8	1,306.4	1,552.4	3,309.2	-	756.8
1975	8,164.2	3,472.2	1,637.7	1,834.5	3,711.2	78.8	902.0
1976	9,202.5	4,000.0	1,946.8	2,053.2	4,020.2	163.9	1,018.4
1977	9,806.3	4,412.1	2,242.6	2,169.5	4,155.8	151.2	1,087.2
1978	10,862.3	4,925.9	2,582.8	2,343.1	4,533.1	195.3	1,208.0
1979	12,899.5	5,706.1	2,941.2	2,764.9	5,557.5	261.4	1,374.5
1980	16,065.1	6,134.7	3,137.0	2,997.7	8,137.3	140.1	1,653.0
1981	19,671.1	7,242.1	3,381.8	3,860.3	10,144.7	210.3	2,074.0

Note: Money Supply was adjusted as from April 1971 to include The Monetary Authority of Singapore as part of the banking system.

Source: The Monetary Authority of Singapore

1 See footnote 1 to Table 11.1.

11.3 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	
1971	254.6	486.2	333.7	152.5	298.4	457.0	-158.6	514.4	-271.8	18.1
1972	624.9	1,062.5	452.2	610.3	217.8	555.2	-337.4	892.4	-362.4	-178.0
1973	366.9	1,968.8	573.6	1,395.2	-234.8	599.6	-834.4	740.8	-592.5	-342.2
1974	226.1	699.6	595.5	104.1	52.9	955.7	-902.8	946.8	420.7	-342.7
1975	613.4	848.7	626.0	222.7	158.5	1,191.8	-1,033.3	1,560.7	211.8	-348.5
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	1,107.4	5,043.2	2,498.6	2,544.6	373.0	3,530.9	-3,157.9	2,533.4	-1,223.4	410.7

Notes: Money supply was adjusted as from April 1971 to include The Monetary Authority of Singapore as part of the banking system.

Source: The Monetary Authority of Singapore

Discount houses which commenced operation from 27 November 1972 are treated as part of the banking system.

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

11.4 OFFICIAL FOREIGN RESERVES

Million Dollars

End of Year	Total Foreign Reserves	Special Drawing Rights ¹	Reserve Position in the International Monetary Fund	Gold and Foreign Exchange
1971	4,094.8	-	28.3	4,066.5
1972	4,929.9	-	28.3	4,901.6
1973	5,800.1	-	28.3	5,771.8
1974	6,502.9	-	28.3	6,474.6
1975	7,486.0	-	28.3	7,457.7
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

¹ Singapore received its first allocation of Special Drawing Rights in January 1979.

Source: The Monetary Authority of Singapore

11.5 EXCHANGE RATES

Year	Singapore Dollar Per							
	Malaysian Ringgit	US Dollar	Sterling Pound	Deutsche-Mark	French Franc	100 Japanese Yen	Hong Kong Dollar	Australian Dollar
1971	1.0000	3.0267	7.3976	0.8692	0.5493	0.8697	0.5098	3.4386
1972	1.0000	2.8092	7.0281	0.8810	0.5569	0.9268	0.4973	3.3494
1973	1.0063	2.4436	6.0299	0.9143	0.5486	0.9039	0.4741	3.4687
1974	1.0153	2.4369	5.6940	0.9408	0.5067	0.8354	0.4841	3.5138
1975	0.9877	2.3713	5.2523	0.9644	0.5532	0.7988	0.4802	3.1069
1976	0.9723	2.4708	4.4638	0.9818	0.5169	0.8336	0.5041	3.0272
1977	0.9912	2.4394	4.2570	1.0512	0.4965	0.9110	0.5235	2.7053
1978	0.9821	2.2740	4.3613	1.1347	0.5039	1.0885	0.4858	2.6030
1979	0.9937	2.1746	4.6154	1.1876	0.5111	0.9966	0.4351	2.4310
1980	0.9839	2.1412	4.9777	1.1805	0.5076	0.9475	0.4305	2.4394
1981	0.9174	2.1127	4.2845	0.9379	0.3907	0.9581	0.3788	2.4286

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

Source: The Monetary Authority of Singapore

11.6 ASSETS OF BANKS
(End of Period)

Million Dollars

	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
Total	6,062.9	8,190.9	10,719.3	12,404.8	14,416.6	16,526.8	18,238.0	21,218.3	26,747.8	33,316.1	44,630.7
Cash	45.8	62.8	70.4	97.1	107.0	105.3	115.1	154.6	161.1	272.4	222.4
Amounts Due from Banks	1,092.4	1,660.3	1,746.5	2,665.5	3,052.7	3,528.7	3,712.5	4,331.5	5,646.6	6,880.1	11,824.2
In Singapore	623.8	1,092.3	874.1	1,444.6	1,486.8	1,370.5	1,263.6	1,616.2	1,986.6	2,756.7	4,196.0
Outside Singapore ¹	468.6	568.0	872.4	1,220.9	1,565.9	2,158.2	2,448.9	2,715.3	3,660.0	4,123.4	7,628.2
Balances with The Monetary Authority of Singapore ²	147.4	232.7	593.9	444.9	454.1	511.7	546.3	633.1	733.7	923.1	1,195.4
Money at Call with Discount Houses ³	-	94.0	354.5	392.7	415.9	491.4	525.7	623.3	695.7	884.1	1,478.0
S\$ Negotiable Certificates of Deposit Held	-	-	-	-	381.2	380.1	292.6	198.4	166.2	127.8	89.0
Investments in Securities & Equities	1,276.5	1,438.2	1,156.6	1,240.8	1,437.7	1,775.3	1,911.4	2,010.1	2,060.5	2,603.8	2,739.6
In Singapore	1,176.2	1,324.5	1,066.7	1,150.2	1,359.9	1,694.2	1,847.3	1,944.8	2,009.5	2,534.6	2,666.9
Outside Singapore	100.3	113.7	89.9	90.6	77.8	81.1	64.1	65.3	51.0	69.2	72.7
Loans & Advances including Bills Financing	3,169.7	4,292.8	6,271.2	6,930.4	7,829.3	8,894.2	10,183.0	12,226.4	16,007.0	20,206.9	25,229.1
Bills Discounted or Purchased	554.7	727.6	1,124.7	1,233.4	1,326.2	1,622.5	2,352.2	2,827.5	3,948.3	4,049.4	3,979.4
Payable outside Singapore	211.1	293.4	418.2	443.6	484.9	714.1	1,090.3	1,424.1	2,085.0	2,089.9	1,493.2
Payable in Singapore	343.6	434.2	706.5	789.8	841.3	908.4	1,261.9	1,403.4	1,863.3	1,959.5	2,486.2
Loans & Advances	2,615.0	3,565.2	5,146.5	5,697.0	6,503.1	7,271.7	7,830.8	9,398.9	12,058.7	16,157.5	21,249.7
All Other Assets	331.1	410.1	526.2	633.4	738.7	840.1	951.4	1,040.9	1,277.0	1,417.9	1,853.0

1 Figures include Asian Currency Units.

Source: The Monetary Authority of Singapore

2 Figures for 1973 include Special Deposits with The Monetary Authority of Singapore. This requirement was subsequently lifted effective March 1974.

3 Discount houses commenced operations in November 1972.

11.7 LIABILITIES OF BANKS
(End of Period)

Million Dollars

	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
Total	6,062.9	8,190.9	10,719.3	12,404.8	14,416.6	16,526.8	18,238.0	21,218.3	26,747.8	33,316.1	44,630.7
Deposits of Non-bank Customers	3,745.8	4,736.7	5,799.8	6,585.8	7,606.0	8,488.5	8,969.5	10,045.7	12,178.4	16,035.0	20,007.9
Demand Deposits	1,082.9	1,557.4	1,786.2	1,806.5	2,111.1	2,378.2	2,513.9	2,732.1	3,244.3	3,484.0	4,441.0
Fixed Deposits	2,167.8	2,550.2	3,264.8	4,000.3	4,565.9	5,062.4	5,328.3	6,045.3	7,473.0	10,788.4	13,315.4
Savings Deposits	480.4	602.8	708.5	738.5	890.6	999.2	1,069.5	1,211.2	1,394.8	1,692.5	2,168.1
Other Deposits	14.7	26.3	40.3	40.5	38.4	48.7	57.8	57.1	66.3	70.1	83.4
S\$ Negotiable Certificates of Deposit Issued	-	-	-	-	527.6	617.8	513.4	455.3	515.0	331.9	404.5
Amounts Due to Banks	1,438.3	2,361.9	3,063.0	3,475.7	3,695.6	4,432.0	5,044.2	6,624.7	8,615.9	9,942.5	15,366.0
In Singapore	635.6	1,104.3	964.9	1,470.2	1,515.7	1,372.2	1,271.7	1,718.7	2,415.4	2,888.4	4,241.3
Outside Singapore ¹	802.7	1,257.6	2,098.1	2,005.5	2,179.9	3,059.8	3,772.5	4,906.0	6,200.5	7,054.1	11,124.7
All Other Liabilities	878.8	1,092.3	1,856.5	2,343.3	2,587.4	2,988.5	3,710.9	4,092.6	5,438.5	7,006.7	8,852.3

¹ Figures include Asian Currency Units.

Source: The Monetary Authority of Singapore

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

Million Dollars

	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
Total	2,615.0	3,565.2	5,146.5	5,697.0	6,503.1	7,271.7	7,830.8	9,398.9	12,058.6	16,157.5	21,249.7
Agriculture	23.9	22.4	25.3	31.9	26.8	31.0	29.8	28.2	37.8	47.2	) 125.7
Mining & Quarrying	14.4	8.6	8.1	9.4	6.5	8.5	6.6	10.9	11.0	7.9	)
Manufacturing	822.4	1,071.3	1,418.1	1,719.4	1,952.6	1,999.3	2,102.8	2,384.9	3,044.1	3,695.4	4,311.8
Building & Construction	238.7	407.6	728.4	879.6	1,013.0	1,112.2	1,193.8	1,345.5	1,434.1	1,835.7	3,000.2
General Commerce	818.5	988.2	1,549.3	1,752.9	1,933.7	2,197.6	2,335.3	2,996.8	3,619.3	4,828.8	5,571.4
Transport, Storage & Communication	62.7	154.0	237.7	246.9	242.8	268.7	339.7	378.5	707.6	1,276.1	1,738.3
Financial Institutions	143.7	282.4	333.1	366.4	543.9	743.3	802.1	993.2	1,546.3	2,028.4	2,982.7
Others	490.7	630.7	846.5	690.5	783.8	911.1	1,020.7	1,260.9	1,658.4	2,438.0	3,519.6

Source: The Monetary Authority of Singapore

11.9 ASSETS AND LIABILITIES OF ASIAN CURRENCY UNITS
(End of Period)

Million US Dollars

	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
Total Assets	1,062.8	2,976.1	6,277.2	10,357.3	12,597.4	17,354.1	21,018.3	27,040.1	38,162.7	54,392.6	85,852.0
Loans to Non-banks	188.8	600.9	1,237.9	2,697.7	3,472.5	4,386.6	5,281.2	6,376.8	8,484.0	12,402.3	19,452.2
Interbank Funds	850.8	2,331.1	4,938.3	7,459.7	8,929.4	12,613.1	15,252.5	19,829.7	28,093.7	39,552.3	62,249.9
In Singapore	38.5	99.4	261.6	223.0	270.1	414.4	573.4	866.6	1,100.4	1,084.7	1,495.2
Inter-Asian Currency Units	112.6	603.6	1,700.4	2,144.7	2,372.7	2,954.9	3,080.4	3,718.9	5,999.3	9,955.4	15,522.3
Outside Singapore	699.7	1,628.1	2,976.3	5,092.0	6,286.6	9,243.8	11,598.7	15,244.2	20,994.0	28,512.2	45,232.4
Other Assets	23.2	44.1	101.0	199.9	195.5	354.4	484.6	833.6	1,585.0	2,438.0	4,149.9
Total Liabilities	1,062.8	2,976.1	6,277.2	10,357.3	12,597.4	17,354.1	21,018.3	27,040.1	38,162.7	54,392.6	85,852.0
Deposits of Non-banks	237.9	398.7	912.8	1,614.2	2,067.7	1,960.3	2,254.6	3,600.0	5,771.4	9,322.2	13,659.0
Interbank Funds	811.2	2,550.1	5,249.3	8,531.4	10,294.3	15,067.2	18,350.3	21,987.2	29,424.9	40,879.6	66,443.1
In Singapore	56.4	145.0	405.6	675.6	584.0	799.2	1,382.8	1,442.5	1,881.8	1,304.3	1,817.5
Inter-Asian Currency Units	112.6	603.6	1,700.4	2,144.7	2,372.7	2,954.9	3,080.4	3,719.1	5,999.5	9,955.2	15,523.0
Outside Singapore	642.2	1,801.5	3,143.3	5,711.1	7,337.6	11,313.1	13,887.1	16,825.6	21,543.6	29,620.1	49,102.6
Other Liabilities	13.7	27.3	115.1	211.7	235.4	326.6	413.4	1,452.9	2,966.4	4,190.8	5,749.9

Source: The Monetary Authority of Singapore

11.10 ASSETS AND LIABILITIES OF FINANCE COMPANIES
(End of Period)

Million Dollars

	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
Total Assets	705.7	867.7	1,155.6	1,392.4	1,430.4	1,607.3	1,761.2	2,017.3	2,472.8	3,075.1	4,275.4
Cash	0.9	1.5	1.5	5.0	3.0	2.1	2.2	2.5	3.2	4.5	5.0
Balances with The Monetary Authority of Singapore	18.7	33.6	76.0	67.7	62.1	70.1	76.2	86.6	105.7	126.0	170.9
Deposits with Banks & Other Institutions	225.0	262.6	275.2	390.0	369.4	384.8	366.0	373.8	368.7	405.0	707.2
Investments	38.6	27.1	33.2	28.0	38.3	56.9	71.3	95.2	111.3	100.5	114.6
Loans & Advances	389.4	498.9	724.9	840.3	897.0	1,026.4	1,176.9	1,397.1	1,827.9	2,367.1	3,187.6
Hire Purchase Finance	126.2	169.8	221.1	232.0	191.7	192.4	258.6	354.3	532.3	754.3	891.7
Housing Loans	124.8	179.1	266.6	307.5	354.6	440.0	431.4	446.4	551.6	637.2	763.6
Other Loans & Advances	138.4	150.0	237.2	300.8	350.7	394.0	486.9	596.4	744.0	975.6	1,532.3
Other Assets	33.1	44.0	44.8	61.4	60.6	67.0	68.6	62.1	56.0	72.0	90.1
Total Liabilities	705.7	867.7	1,155.6	1,392.4	1,430.4	1,607.3	1,761.2	2,017.3	2,472.8	3,075.1	4,275.4
Capital & Reserves	102.1	118.6	181.2	226.7	242.1	267.8	286.1	308.1	363.1	476.0	672.1
Deposits from Individuals & Institutions	553.1	683.2	853.8	1,031.1	1,048.4	1,191.2	1,305.4	1,510.0	1,812.4	2,121.3	2,942.2
Savings Deposits	16.1	19.7	25.7	26.0	36.1	43.9	50.6	55.5	62.8	65.2	75.9
Fixed Deposits	504.3	621.1	779.0	966.3	965.2	1,115.1	1,221.5	1,419.2	1,691.2	1,961.7	2,728.4
Other Deposits	32.7	42.4	49.1	38.8	47.1	32.2	33.3	35.3	58.4	94.4	137.9
Other Liabilities	50.5	65.9	120.6	134.6	139.9	148.3	169.7	199.2	297.3	477.8	661.1

Source: The Monetary Authority of Singapore

11.11 ASSETS AND LIABILITIES OF MERCHANT BANKS
(End of Period)

Million Dollars

	1974	1975	1976	1977	1978	1979	1980	1981
Total Assets	1,422.3	1,839.7	2,656.7	2,463.9	3,746.7	8,378.4	13,299.6	19,279.7
Amounts Due from Banks	436.2	474.4	1,001.4	684.7	1,826.7	4,599.8	5,713.8	9,440.7
In Singapore	7.0	32.4	30.9	20.8	41.0	42.8	61.8	201.4
Outside Singapore ¹	429.2	442.0	970.5	663.9	1,785.7	4,557.0	5,652.0	9,239.3
Loans & Advances to Non-bank Customers	922.7	1,294.1	1,571.4	1,674.5	1,785.8	3,497.6	7,049.3	8,916.5
Securities & Equities	27.1	35.2	54.5	65.0	86.2	136.3	234.9	391.6
Other Assets	36.3	36.0	29.4	39.7	48.0	144.7	301.6	530.9
Total Liabilities	1,422.3	1,839.7	2,656.7	2,463.9	3,746.7	8,378.4	13,299.6	19,279.7
Capital & Reserves	89.7	113.5	120.2	136.9	195.1	309.3	452.0	909.8
Amounts Due to Banks	1,159.4	1,491.9	2,209.6	1,928.0	2,963.5	7,217.9	11,337.6	16,295.6
In Singapore	43.3	57.4	85.1	84.8	195.2	839.9	178.1	347.8
Outside Singapore ¹	1,116.1	1,434.5	2,124.5	1,843.2	2,768.3	6,378.0	11,159.5	15,947.8
Borrowings from Non-bank Customers	129.3	195.0	287.7	352.4	516.8	678.8	1,046.8	1,599.1
Other Liabilities	43.9	39.3	39.2	46.6	71.3	172.4	463.2	475.2

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

Source: The Monetary Authority of Singapore

1 Includes Asian Currency Units.

11.12 ASSETS AND LIABILITIES OF DISCOUNT HOUSES
(End of Period)

Million Dollars

	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
Total Assets	126.6	370.3	436.0	493.7	552.7	618.5	684.7	763.6	949.5	1,603.8
Treasury Bills	112.0	222.3	270.4	296.1	306.6	315.5	346.8	439.4	647.5	1,061.8
Other Government Securities	-	72.5	49.7	45.0	79.5	120.7	134.7	84.5	16.3	52.0
Bills Discounted Payable in Singapore ¹	14.2	73.7	101.6	80.2	92.5	117.7	147.3	158.5	230.0	375.0
Singapore Dollar Negotiable Certificates of Deposit	-	-	-	65.4	68.8	62.0	53.6	69.3	53.7	99.2
Other Assets	0.4	1.8	14.3	7.0	5.3	2.6	2.3	11.9	2.0	15.8
Total Liabilities	126.6	370.3	436.0	493.7	552.7	618.5	684.7	763.6	949.5	1,603.8
Capital & Reserves	9.0	9.0	18.8	20.4	21.9	25.1	26.0	27.4	28.6	42.3
Deposits	116.8	357.1	406.8	462.5	519.8	581.2	643.4	718.0	889.3	1,508.5
Other Liabilities	0.8	4.2	10.4	10.8	11.0	12.2	15.3	18.2	31.6	53.0

¹ Includes bills refinanced for banks.

Source: The Monetary Authority of Singapore

11.13 DOMESTIC INTEREST RATES
(End of Period)

Per Cent Per Annum

	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
Banks¹											
Minimum Lending Rate	8.00	7.50	9.00	10.25	7.08	6.78	7.02	7.65	9.48	13.60	11.83
Average Lending Rate ²	9.00	8.80	9.90	11.70	9.00	8.60	8.60	9.00	10.50	14.20	..
Deposit Rates											
3 Months	5.50	5.00	6.50	7.50	4.31	3.76	4.54	5.29	7.15	11.22	7.43
6 Months	5.75	5.25	6.75	8.00	4.96	4.34	4.98	5.55	7.40	10.92	8.40
12 Months	6.00	5.75	7.25	9.00	5.79	5.31	5.53	6.01	7.65	10.55	8.95
Savings Deposit Rate	3.50	3.50	4.00	5.50	3.50	3.52	3.68	4.20	6.38	9.52	7.90
Finance Companies											
Average Lending Rate ²	12.60	12.40	10.40	12.60	11.50	10.80	10.20	9.80	9.90	11.80	..
Deposit Rates											
Up to 3 Months	..	..	6.70	8.30	5.00	4.90	5.30	6.40	8.10	12.20	..
Over 3 & Up to 12 Months	..	..	7.50	9.80	6.80	6.70	6.50	6.80	7.60	9.90	..
POSB Savings Deposit Rate for Amounts³											
Up to \$100,000	4.00	4.00	4.00	6.00	5.50	5.50	5.00	5.25	6.00	8.50	9.50
Exceeding \$100,000	4.00	4.00	4.00	6.00	5.50	5.50	5.00	3.50	4.25	6.00	7.00

1 Prior to October 1973, banks' interest rates were fixed by the Association of Banks in Malaysia and Singapore and thereafter by the Association of Banks in Singapore in consultation with The Monetary Authority of Singapore. After July 1975, when banks were permitted to quote their own interest rates on advances and deposits to customers, the rate refers to the average quoted by 10 leading banks.

2 These rates are weighted by outstanding loans.

3 A two-tier interest rate system was introduced in September 1978.

Source: The Monetary Authority of Singapore
Post Office Savings Bank

11.14 DEPOSITS AND WITHDRAWALS OF POST OFFICE SAVINGS BANK

Million Dollars

	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
Number of Savings Accounts (End of Period)	554,775	622,714	731,956	831,751	950,470	1,144,990	1,343,904	1,523,969	1,710,552	1,898,264	2,075,705
Amount											
Deposited	57.8	87.3	135.9	221.3	554.5	1,000.4	1,535.7	2,256.0	2,621.5	3,581.4	5,147.3
Withdrawn	42.3	57.5	95.8	134.0	295.5	591.9	1,005.3	1,900.6	2,240.2	3,511.8	4,862.0
Due to Account Holders (End of Period)	91.2	125.2	170.9	268.5	548.4	996.0	1,589.0	2,029.0	2,525.2	2,756.7	3,265.9

Source: Post Office Savings Bank

11.15 CONTRIBUTIONS AND WITHDRAWALS OF CENTRAL PROVIDENT FUND

Million Dollars

	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
Amount											
Contributed	223.6	330.8	474.7	686.7	886.6	1,008.0	1,114.7	1,352.0	1,753.1	2,296.0	3,006.8
Withdrawn	56.4	57.9	93.5	154.3	216.9	377.7	503.5	657.8	629.3	779.1	1,067.6
Due to Members (End of Period)	987.9	1,316.0	1,770.7	2,413.7	3,234.9	4,066.1	4,954.0	5,981.4	7,515.5	9,551.2	12,149.8

Source: Central Provident Fund Board

11.16 WITHDRAWALS OF CENTRAL PROVIDENT FUND BY TYPE

Year	Total	Approved Housing Schemes		Reached 55 Years of Age		Leaving Singapore & Malaysia Permanently ¹		Physically/Mentally Incapacitated		Death		Others ²
	\$'000	Number	\$'000	Number	\$'000	Number	\$'000	Number	\$'000	Number	\$'000	\$'000
1971	56,382	5,607	23,197	6,123	22,066	2,273	7,029	161	611	1,523	3,195	284
1972	57,870	5,026	25,056	6,667	23,763	874	4,073	145	798	1,596	3,805	375
1973	93,488	11,809	50,645	8,402	31,420	1,147	5,657	149	790	1,941	4,746	230
1974	154,349	16,488	92,817	9,664	46,364	1,350	8,112	266	1,256	1,741	5,504	296
1975	216,881	20,185	134,816	12,820	60,924	1,578	11,218	337	1,462	2,261	8,397	64
1976	377,721	40,308	275,245	11,182	76,247	1,454	14,113	439	2,770	2,038	9,259	87
1977	503,520	48,765	383,471	11,745	89,950	1,379	14,146	465	3,345	2,147	12,559	49
1978	657,790	48,680	488,413	14,291	123,083	1,382	15,725	274	2,173	2,207	13,797	14,599
1979	629,251	43,430	438,586	13,319	150,690	1,921	18,160	301	3,192	2,247	15,070	3,553
1980	779,084	47,212	520,943	15,513	213,906	2,961	23,239	299	3,453	2,206	15,566	1,977
1981	1,067,604	53,958	691,054	19,158	294,525	3,800	32,965	327	5,403	2,300	19,541	24,116

1 Including Malaysians leaving Singapore permanently from 1971 onwards.

Source: Central Provident Fund Board

2 Withdrawals for the purchase of shares of Singapore Bus Service (Limited) was introduced in April 1978.

11.17 TURNOVER OF STOCKS AND SHARES

Million

Year	Total		Industrial ¹		Finance		Hotels		Properties		Mining		Plantation	
	Units	Dollars	Units	Dollars	Units	Dollars	Units	Dollars	Units	Dollars	Units	Dollars	Units	Dollars
1971	578.7	934.0	470.7	824.5	..	..	37.5	34.1	52.6	44.8	3.6	11.1	14.3	19.5
1972	938.0	2,162.9	567.2	1,538.6	..	..	120.3	208.9	222.2	335.2	4.7	18.7	23.6	61.5
1973	613.1	2,436.3	420.6	1,892.7	..	..	75.1	177.7	100.8	290.3	1.0	5.6	15.6	70.0
1974	529.7	1,133.5	266.3	583.4	116.2	351.6	54.3	74.7	75.8	87.3	1.2	4.0	15.9	32.5
1975	800.4	1,829.9	393.7	860.0	204.5	712.6	106.0	117.7	76.5	105.7	9.7	17.2	10.0	16.7
1976	707.8	1,928.4	410.8	956.3	163.4	793.8	41.5	52.3	79.2	106.8	2.8	4.0	10.1	15.2
1977	640.2	1,157.6	475.5	796.9	46.6	170.6	19.5	32.5	51.8	75.6	2.9	11.7	43.9	70.3
1978	1,489.1	3,382.9	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
1979	962.6	2,308.9	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
1980	2,183.7	7,806.1	1,311.2	4,615.3	229.7	1,295.7	143.2	275.5	325.3	1,030.4	60.3	196.7	114.0	392.5
1981	2,734.1	13,419.1	1,767.0	8,451.7	257.8	1,891.3	282.7	986.1	267.2	1,590.0	74.0	204.3	85.4	295.7

Note: Prior to May 1973 when the Exchange was known as the Stock Exchange of Malaysia & Singapore, turnover included trading in Malaysian trading room.

Source: Stock Exchange of Singapore

¹ Figures prior to 1973 include Finance.

11.18 STOCK EXCHANGE OF SINGAPORE INDICES
(1970 = 100)

Year	Industrial	Finance	Hotels	Properties	Mining	Plantation
1971	125.6	128.8	96.9	119.5	113.4	107.0
1972	260.0	300.8	172.1	278.3	147.4	186.1
1973	380.4	642.2	343.1	571.9	154.4	326.8
1974	215.4	312.7	193.4	273.1	126.3	250.8
1975	209.8	339.4	224.7	252.6	114.6	222.2
1976	237.2	426.9	211.9	213.4	109.2	228.1
1977	226.2	366.8	216.8	200.0	162.9	258.0
1978	300.6	422.4	314.2	251.1	213.0	394.6
1979	346.8	523.2	425.7	306.2	232.4	514.7
1980	489.6	769.9	727.6	621.4	358.7	684.6
1981	737.1	1,228.5	1,584.0	1,247.5	395.7	704.5

Source: Stock Exchange of Singapore

11.19 PLEDGES AT PAWNSHOPS

Year	Pledges		Amount of Loan	
	Received	Redeemed	Given Out	Redeemed including Interest
	Number		Million Dollars	
1971	1,892,172	1,650,075	105.3	98.0
1972	1,911,824	1,740,475	119.7	114.3
1973	2,016,898	1,805,420	158.8	144.0
1974	2,046,110	1,875,608	190.9	179.4
1975	2,011,219	1,835,307	204.4	196.7
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

11.20 LIFE INSURANCE POLICIES

	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
	Number									
Policies in Force ¹	79,009	93,332	111,509	124,177	140,041	155,425	183,099	214,316	246,657	280,586
New Policies	20,059	26,480	28,876	25,570	30,271	34,628	45,303	50,632	61,707	59,174
Policies Matured or Discontinued	7,711	12,157	10,699	12,902	14,407	19,244	17,929	19,415	29,366	25,245
	Thousand Dollars									
Policies in Force										
Amount Insured ¹	812,831	1,046,766	1,412,098	1,820,078	2,237,001	2,717,174	3,323,449	4,081,856	5,162,192	6,334,818
Premiums	35,044	42,226	52,365	61,890	73,121	85,058	99,577	117,389	143,178	170,038
New Policies										
Amount Insured	253,290	330,065	471,843	566,543	655,128	765,334	922,908	1,124,796	1,454,410	1,664,513
Premiums	9,112	10,908	14,237	14,949	18,037	20,764	24,334	29,085	36,700	40,114
Policies Matured or Discontinued										
Amount Insured	68,257	96,129	106,511	158,564	238,206	285,161	318,115	366,389	374,074	491,887
Premiums	2,966	3,725	4,098	5,424	7,165	8,827	9,904	10,222	10,911	14,170

¹ At end period.

Source: The Monetary Authority of Singapore

11.21 REVENUE AND EXPENDITURE ACCOUNTS OF LIFE INSURANCE FUNDS

Thousand Dollars

	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
Revenue										
Total	194,952	227,885	266,325	302,000	344,678	399,984	469,305	552,207	639,339	771,593
Balance of Revenue Account at Beginning of Year	147,832	165,055	192,205	218,297	249,624	290,359	336,363	394,215	460,978	537,126
Premiums	34,222	41,083	49,132	55,122	67,735	81,908	96,855	113,747	139,748	163,965
Net Interest, Dividends & Rents	10,296	11,770	13,560	16,848	20,955	23,270	28,650	32,866	36,641	47,062
Miscellaneous	2,602	9,979	11,428	11,733	6,364	4,447	7,437	11,379	1,972	23,440
Expenditure										
Total	194,952	227,885	266,325	302,000	344,678	399,984	469,305	552,207	639,339	771,593
Claims on Death, Disability & Maturity	8,877	9,520	10,078	13,275	13,878	16,688	18,541	20,874	23,207	28,344
Surrenders	3,799	4,575	5,335	6,852	7,613	8,755	10,477	12,315	13,190	15,875
Cash Bonuses & Annuities	1,594	1,865	2,141	2,395	2,564	2,867	3,147	3,554	4,394	7,706
Management Expenses										
Commission	6,515	8,037	10,284	11,212	14,703	17,542	21,271	25,234	31,708	36,015
Salaries	2,326	2,601	3,075	3,504	4,174	4,367	4,861	5,667	6,592	7,900
Other	3,993	4,509	7,231	7,482	8,423	10,469	10,702	14,115	15,878	23,797
Miscellaneous	2,793	4,573	9,884	7,656	2,964	2,933	6,091	9,470	7,344	2,727
Balance of Revenue Account at End of Year	165,055	192,205	218,297	249,624	290,359	336,363	394,215	460,978	537,026	649,229

Source: The Monetary Authority of Singapore

11.22 ASSETS OF LIFE INSURANCE FUNDS
(End of Period)

Thousand Dollars

	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
Total	185,895	221,054	251,766	284,057	337,068	387,427	445,416	504,975	585,124	705,094
Fixed Assets	15,627	18,861	20,217	27,336	29,966	31,284	31,188	33,901	34,658	38,069
Property	15,283	18,384	19,490	26,398	28,782	29,760	29,528	32,034	31,853	35,432
Furniture	344	477	727	938	1,184	1,524	1,660	1,867	2,805	2,637
Loans	30,750	33,430	40,017	53,888	58,908	58,777	57,383	69,216	105,497	124,530
On Mortgages	14,650	16,004	19,645	29,601	31,747	28,031	22,585	22,231	42,014	48,721
On Policies	15,865	17,087	19,837	23,492	26,438	30,047	34,106	40,674	48,187	59,283
Other	235	339	535	795	723	699	692	6,311	15,296	16,526
Investments	108,451	123,387	162,994	161,874	188,399	224,051	273,050	308,879	338,973	378,230
Government & Statutory Authorities	55,652	65,266	74,816	77,289	84,682	101,189	129,830	149,451	170,819	180,028
Debentures & Shares	52,799	58,121	88,178	84,585	103,717	122,862	143,220	159,428	168,154	198,202
Cash & Deposits	22,062	33,145	19,900	29,105	46,687	56,846	58,317	66,490	75,700	108,845
Miscellaneous (including Outstanding Premiums)	9,005	12,231	8,638	11,854	13,108	16,469	25,478	26,489	30,296	55,420

Source: The Monetary Authority of Singapore

11.23 PREMIUMS AND CLAIMS OF GENERAL INSURANCE FUNDS

Thousand Dollars

	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
Net Premiums¹										
Total	84,836	106,699	127,948	153,013	171,218	196,217	209,781	236,924	274,545	340,707
Marine, Aviation or Transit	16,377	18,499	25,190	30,468	31,311	38,387	47,313	52,072	58,149	70,728
Other	68,459	88,200	102,758	122,545	139,907	157,830	162,468	184,852	216,396	269,979
Fire	13,634	15,824	21,063	27,004	29,714	34,642	37,521	40,679	45,406	51,226
Motor Vehicles	29,394	34,256	40,028	42,396	41,966	46,020	48,385	59,744	74,042	102,561
Miscellaneous	25,431	38,120	41,667	53,145	68,227	77,168	76,562	84,429	96,948	116,192
Net Claims²										
Total	27,821	35,580	42,184	53,750	60,689	67,202	87,450	94,203	113,911	141,627
Marine, Aviation or Transit	7,159	8,718	10,031	15,636	17,769	15,287	22,061	25,406	30,275	35,736
Other	20,662	26,862	32,153	38,114	42,920	51,915	65,389	68,797	83,636	105,891
Fire	2,498	3,524	5,186	5,780	6,852	9,537	14,565	11,833	19,974	29,424
Motor Vehicles	13,890	16,463	18,091	20,626	22,349	23,152	26,517	29,431	36,172	45,637
Miscellaneous	4,274	6,875	8,876	11,708	13,719	19,226	24,307	27,533	27,490	30,830

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

Source: The Monetary Authority of Singapore

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

11.24 REVENUE AND EXPENDITURE ACCOUNTS OF GENERAL INSURANCE FUNDS

Thousand Dollars

	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
Revenue										
Total	170,064	214,916	270,144	330,005	377,698	439,716	481,694	527,272	603,653	742,784
Balance of Revenue Account at Beginning of Year	10,437	8,020	5,546	18,112	18,116	33,140	36,814	31,045	34,665	30,971
Reserves at Beginning of Year	31,107	39,619	49,278	59,541	70,496	79,318	87,870	92,632	101,644	119,859
Provision for Outstanding Claims	28,188	35,778	53,234	60,301	71,613	80,598	90,445	98,685	119,783	149,726
Premiums	84,836	106,699	127,949	153,013	171,218	196,217	209,781	236,924	274,545	340,707
Net Interest, Dividends & Rents	4,398	5,322	6,846	10,296	11,604	12,354	13,603	14,770	20,864	26,824
Miscellaneous	11,098	19,478	27,291	28,742	34,653	38,089	43,181	53,216	52,152	74,697
Expenditure										
Total	170,064	214,916	270,144	330,005	377,698	439,716	481,694	527,272	603,653	742,784
Claims Paid, Admitted or Intimated	63,599	88,815	102,362	125,364	138,029	157,071	188,342	215,390	263,637	317,465
Management Expenses										
Commission	22,476	27,879	33,080	39,608	44,565	52,268	55,060	62,151	71,501	85,512
Other	17,900	22,833	26,838	35,326	45,170	55,114	53,828	53,332	57,187	71,552
Miscellaneous	18,450	20,573	29,540	41,098	39,433	52,327	59,806	59,548	59,693	81,616
Balance of Revenue Account at End of Year	8,020	5,546	18,222	18,113	32,526	35,295	30,706	33,681	30,971	39,923
Reserves at End of Year	39,619	49,270	60,102	70,496	77,975	87,641	93,952	103,170	120,664	146,716

Source: The Monetary Authority of Singapore

11.25 ASSETS OF GENERAL INSURANCE FUNDS
(End of Period)

Thousand Dollars

	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
Total	107,412	137,030	172,676	212,378	250,075	299,809	325,095	392,057	437,793	527,789
Fixed Assets	19,840	20,780	24,217	27,142	28,317	33,963	36,726	35,644	36,160	40,895
Loans	2,070	2,182	6,001	9,109	7,810	7,354	5,795	3,718	5,094	5,201
Investments	36,386	46,059	56,355	58,877	79,755	105,959	122,578	145,083	159,929	188,566
Government & Statutory Authorities	19,598	25,617	28,452	34,885	42,783	52,206	65,831	75,609	82,512	89,472
Debentures & Shares	16,788	20,442	27,903	23,992	36,972	53,753	56,747	69,474	77,417	99,094
Cash & Deposits	33,853	47,349	59,470	85,625	99,746	110,804	106,489	147,363	162,854	207,554
Miscellaneous	15,263	20,660	26,633	31,624	34,447	41,729	53,507	60,249	73,756	85,573

Source: The Monetary Authority of Singapore

12. 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 and film hire and entertainment duties. The Inland Revenue Department is responsible for the collection of taxes on income and property, estate and stamp duties and duties on sweepstakes and lotteries.

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 and contributions to Central Provi-

dent Fund. Company taxes are based on a flat rate of 40 per cent of income with the usual allowances. 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.

12.1 GOVERNMENT FINANCE

Million Dollars

Financial Year	Revenue	Expenditure			Surplus/ Deficit (-)	Financing	
		Total	Current	Development		Borrowing/ Redemption (-)	Use/Accumulation (-) of Cash Balances and Foreign Assets
1971/72	1,680.6	1,519.2	1,079.5	439.7	161.4	695.0	-856.4
1972/73	1,877.6	1,837.1	1,257.4	579.7	40.5	416.5	-457.0
1973/74	2,426.6	2,376.5	1,417.7	958.8	50.1	532.6	-582.7
1974/75	2,802.6	2,639.3	1,734.1	905.2	163.3	909.7	-1,073.0
1975/76	3,398.6	3,256.7	1,981.4	1,275.3	141.9	1,027.3	-1,169.2
1976/77	3,581.2	3,391.7	2,200.1	1,191.6	189.5	1,918.1	-2,107.6
1977/78	4,083.5	3,830.9	2,582.8	1,248.1	252.6	1,673.7	-1,926.3
1978/79	4,351.0	4,159.3	2,752.3	1,407.0	191.7	1,620.9	-1,812.6
1979/80	5,232.5	4,868.3	3,182.7	1,685.6	364.2	1,657.3	-2,021.5
1980/81	6,788.9	6,381.5	3,742.3	2,639.2	407.4	2,363.3	-2,770.7
1981/82*	8,493.8	7,876.5	4,467.0	3,409.5	617.3	2,607.8	-3,225.1

Note: Revenue refers to the receipts of the consolidated Revenue Account, the Development Fund Account and the Sinking Fund Account.

Source: Accountant-General's Department

Current expenditure refers to the payments from the consolidated Revenue Account and the Sinking Fund Account but excludes transfer to the Development Fund Account and the contributions to the Sinking Fund Account.

Development expenditure refers to the direct development expenditure and net lending to statutory authorities and enterprises.

12.2 ECONOMIC CLASSIFICATION OF GOVERNMENT REVENUE

Million Dollars

Financial Year Economic Classification	1971/72	1972/73	1973/74	1974/75	1975/76	1976/77	1977/78	1978/79	1979/80	1980/81	1981/82 ³	1982/83 ³
Total ¹	1,468.5	1,749.3	2,219.2	2,556.9	3,092.2	3,156.2	3,555.5	3,738.8	4,603.0	5,903.5	6,334.8	7,638.8
Transfer Receipts	996.0	1,238.7	1,568.4	1,950.3	2,298.0	2,419.3	2,817.1	2,948.7	3,401.3	4,415.3	4,912.1	5,510.7
Taxes on Income	325.3	429.7	585.7	894.7	1,160.2	1,141.9	1,319.3	1,300.3	1,413.7	2,066.8	2,460.0	2,930.0
Taxes on Production & Expenditure	591.2	720.9	875.4	942.6	1,022.4	1,157.3	1,298.0	1,481.5	1,813.2	2,143.2	2,237.1	2,319.4
Excise Duties	127.5	141.6	163.4	170.2	177.9	183.5	194.7	207.4	222.3	251.2	247.3	271.7
Import Duties	162.7	195.7	238.4	222.5	238.1	272.7	313.6	340.4	393.6	435.7	403.5	386.6
Property Tax	142.0	170.5	213.7	271.4	293.9	353.3	350.2	414.0	521.9	556.7	585.8	670.8
Motor Vehicle Taxes ²	74.4	95.1	128.5	151.0	166.6	183.1	260.1	299.1	404.0	527.5	576.6	514.8
Stamp Duty	31.3	54.9	62.7	46.7	49.4	57.0	61.1	88.5	116.3	186.1	216.3	225.0
Others	53.3	63.1	68.7	80.8	96.5	107.7	118.3	132.1	155.1	186.0	207.6	250.5
Other Transfer Receipts	79.5	88.1	107.3	113.0	115.4	120.1	199.8	166.9	174.4	205.3	215.0	261.3
Estate Duty	15.3	17.0	23.9	33.6	21.0	21.9	22.6	35.0	29.6	28.5	20.0	30.0
Others	64.2	71.1	83.4	79.4	94.4	98.2	177.2	131.9	144.8	176.8	195.0	231.3
Disposal of Goods & Services	341.8	300.3	437.6	439.5	578.1	515.2	496.0	491.0	793.3	895.3	998.8	1,703.1
Sales of Goods & Services from Current Operations	270.6	245.0	273.5	288.1	323.0	350.1	379.3	428.4	485.4	620.7	685.7	797.1
Reimbursements for Services & Sales of Lands	71.2	55.3	164.1	151.4	255.1	165.1	116.7	62.6	307.9	274.6	313.1	906.0
Income from Property & Financial Claims	130.7	210.3	213.2	167.1	216.1	221.7	242.4	299.1	408.4	592.9	423.9	425.0
Interest & Dividends Received	123.4	187.2	150.6	160.5	207.7	211.3	234.4	289.2	400.9	492.9	416.8	417.2
Financial Claims and Others	7.3	23.1	62.6	6.6	8.4	10.4	8.0	9.9	7.5	100.0	7.1	7.8

1 Refers to revenue credited to the Consolidated Revenue Account.

2 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.

3. Based on Budget estimates.

12.3 ECONOMIC CLASSIFICATION OF GOVERNMENT MAIN EXPENDITURE

Million Dollars

Financial Year	1971/72	1972/73	1973/74	1974/75	1975/76	1976/77	1977/78	1978/79	1979/80	1980/81	1981/82 ²	1982/83 ²
Economic Classification												
Total	1,437.7	1,579.2	2,107.4	2,492.6	2,984.4	3,148.3	3,552.4	3,729.9	4,536.2	5,708.5	6,334.8	7,638.8
Salaries of Government Employees	347.4	385.6	433.9	513.8	572.6	611.3	660.9	729.0	840.6	934.1	1,167.7	1,358.1
Personal Emoluments & Allowances	339.9	371.6	407.3	474.8	525.3	561.1	604.6	662.5	743.3	816.7	1,024.3	1,191.3
Contributions to Central Provident Fund	7.5	14.0	26.6	39.0	47.3	50.2	56.3	66.5	97.3	117.4	143.4	166.8
Rental of Fixed Assets	2.2	1.8	2.3	3.0	8.9	7.6	7.7	8.9	10.9	12.6	15.1	22.7
Other Goods & Services for Current Operations	101.6	107.2	150.7	143.3	154.8	164.2	176.1	206.3	224.8	273.1	378.0	532.3
Expenditure on Goods & Services for Fixed Capital Formation	11.8	11.3	9.3	13.3	20.4	18.2	27.1	24.0	21.0	28.3	38.3	59.2
Interest Payments	114.1	140.9	177.7	207.5	252.1	345.7	462.8	564.1	685.1	836.8	966.5	966.7
Transfer Payments	209.7	244.1	465.8	745.1	721.9	876.1	874.4	1,034.2	975.2	593.0	2,337.1	2,768.1
Transfer to Households	32.3	34.5	42.4	41.0	42.7	43.3	44.8	43.9	59.9	82.3	107.6	156.0
Transfer to Development Fund	80.0	100.0	272.5	480.0	443.1	583.0	556.4	664.0	511.3	94.0	1,755.8	2,047.7
Other Transfers	97.4	109.6	150.9	224.1	236.1	249.8	273.2	326.3	404.0	416.7	473.7	564.4
Financial Claims	284.0	315.7	426.8	355.0	625.9	369.4	471.1	329.4	900.2	1,932.6	111.8	416.1
Unallocable ¹	366.9	372.6	440.9	511.6	627.8	755.8	872.3	834.0	878.4	1,098.0	1,320.3	1,515.6

Note: Government Main Expenditure refers to the expenditure of the Consolidated Revenue Account.

1 Refers mainly to armed forces expenditure of which separate data are not available for economic classification.

2 Based on Budget estimates.

12.4 FUNCTIONAL CLASSIFICATION OF GOVERNMENT MAIN EXPENDITURE

Million Dollars

Financial Year Economic Classification	1971/72	1972/73	1973/74	1974/75	1975/76	1976/77	1977/78	1978/79	1979/80	1980/81	1981/82 ¹	1982/83 ¹
Total	1,437.7	1,579.2	2,107.4	2,492.6	2,984.4	3,148.3	3,552.4	3,729.9	4,536.2	5,708.5	6,334.8	7,638.8
General Services	63.8	73.9	118.5	98.9	100.9	102.8	120.1	131.8	141.2	217.7	223.9	310.2
Defence, Justice and Police	424.9	437.6	524.8	613.6	739.3	877.8	1,007.1	986.8	1,051.2	1,296.2	1,569.2	1,819.2
Social & Community Services	320.4	363.7	483.3	574.9	650.3	693.3	748.1	826.5	948.4	1,035.2	1,329.6	1,562.1
Education	191.1	206.5	261.4	296.6	328.9	346.0	365.9	408.6	486.0	567.2	723.1	870.5
Health	86.3	101.1	103.6	125.4	142.4	147.7	157.0	178.9	200.9	232.5	293.0	341.4
Other Social & Community Services	43.0	56.1	118.3	152.9	179.0	199.6	225.2	239.0	261.5	235.5	313.5	350.2
Economic Services	92.9	75.8	67.5	114.6	141.5	144.7	153.0	177.7	198.3	242.8	319.8	444.7
Agricultural, Non-mineral Resources, Industrial & Commercial Development	24.9	22.5	12.8	36.8	40.9	39.6	43.5	48.6	56.4	67.2	96.6	168.2
Transport & Communication	47.3	31.7	35.9	43.2	52.9	54.4	56.7	95.1	105.2	129.8	173.8	198.4
Other Economic Services	20.7	21.6	18.8	34.6	47.7	50.7	52.8	34.0	36.7	45.8	49.4	78.1
Public Debt	392.3	453.6	603.4	557.3	875.4	712.7	877.0	892.6	1,583.9	2,768.0	1,076.8	1,382.0
Unallocable	63.4	74.6	37.4	53.3	33.9	34.0	90.7	50.5	101.9	54.6	59.7	72.9
Transfer to Development Fund	80.0	100.0	272.5	480.0	443.1	583.0	556.4	664.0	511.3	94.0	1,755.8	2,047.7

¹ Based on Budget estimates.

12.5 ECONOMIC-FUNCTIONAL CLASSIFICATION OF GOVERNMENT MAIN AND DEVELOPMENT EXPENDITURE, 1981

Thousand Dollars

Functional Classification Economic Classification	Total	General Services	Defence, Justice and Police	Social and Community Services			Economic Services	Public Debt and Unallocable Expenditure
				Education	Health	Others		
Total	9,660,538	359,187	1,565,363	828,478	321,236	1,803,635	2,046,246	2,736,393
Salaries of Government Employees	1,031,914	127,685	174,334	331,348	194,916	117,644	85,987	-
Personal Emoluments & Allowances	902,662	110,673	155,921	294,469	169,034	99,221	73,344	-
Contributions to Central Provident Fund	129,252	17,012	18,413	36,879	25,882	18,423	12,643	-
Rental of Fixed Assets	15,543	8,922	117	121	1,702	1,796	2,885	-
Expenditure on Goods & Services	1,683,464	125,251	261,315	165,807	105,366	316,985	708,507	233
Interest Payments	909,269	-	-	-	-	-	-	909,269
Transfer Payments	770,743	96,199	4,107	331,202	19,252	97,997	162,943	59,043
Transfer to Households	89,327	144	49	26,918	115	3,432	158	58,511
Transfer to Public Authorities & Non-profit Institutions	378,487	2,131	696	249,587	2,613	67,976	55,484	-
Capital Transfer to Domestic Sector	188,661	-	-	45,771	14,121	24,202	104,567	-
Other Transfers	114,268	93,924	3,362	8,926	2,403	2,387	2,734	532
Financial Claims	4,124,090	1,105	-	-	-	1,269,213	1,085,924	1,767,848
Unallocable ¹	1,125,515	25	1,125,490	-	-	-	-	-

Note: Figures exclude transfer of \$94,004,780 to the Development Fund Account.

¹ Refers mainly to armed forces expenditure of which separate data are not available for economic classification.

12.6 ECONOMIC-FUNCTIONAL CLASSIFICATION OF GOVERNMENT MAIN EXPENDITURE, 1981

Thousand Dollars

Functional Classification Economic Classification	Total	General Services	Defence, Justice and Police	Social and Community Services			Economic Services	Public Debt and Unallocable Expenditure
				Education	Health	Others		
Total	5,704,228	181,937	1,350,223	631,612	257,278	258,822	287,963	2,736,393
Salaries of Government Employees	1,031,914	127,685	174,334	331,348	194,916	117,644	85,987	-
Personal Emoluments & Allowances	902,662	110,673	155,921	294,469	169,034	99,221	73,344	-
Contributions to Central Provident Fund	129,252	17,012	18,413	36,879	25,882	18,423	12,643	-
Rental of Fixed Assets	15,543	8,922	117	121	1,702	1,796	2,885	-
Expenditure on Goods & Services	360,519	38,001	46,175	14,712	55,529	65,177	140,692	233
Interest Payments	909,269	-	-	-	-	-	-	909,269
Transfer Payments	492,082	6,199	4,107	285,431	5,131	73,795	58,376	59,043
Transfer to Households	89,327	144	49	26,918	115	3,432	158	58,511
Transfer to Public Authorities & Non-profit Institutions	378,487	2,131	696	249,587	2,613	67,976	55,484	-
Other Transfers	24,268	3,924	3,362	8,926	2,403	2,387	2,734	532
Financial Claims	1,769,386	1,105	-	-	-	410	23	1,767,848
Unallocable ¹	1,125,515	25	1,125,490	-	-	-	-	-

Note: Figures exclude transfer of \$94,004,780 to the Development Fund Account.

¹ Refers mainly to armed forces expenditure of which separate data are not available for economic classification.

12.7 SOURCES AND USES OF DEVELOPMENT FUND

Million Dollars

Financial Year	Balance (Beginning of Financial Year)	Sources				Uses			
		Total	Consolidated Revenue Account	Consolidated Loan Account	Other	Total	Government Development Expenditure	Loans to Sta- tutory Boards & Enterprises	Other
1971/72	533.9	647.9	80.0	395.4	172.5	506.6	214.5	292.1	-
1972/73	675.2	1,113.5	100.0	815.4	198.1	676.5	233.9	431.5	11.1
1973/74	1,112.2	1,289.9	272.5	716.6	300.8	1,106.5	208.9	897.6	-
1974/75	1,295.6	1,762.5	480.0	842.0	440.5	1,140.8	283.8	847.8	9.2
1975/76	1,917.3	2,292.0	443.1	1,303.3	545.6	1,548.5	404.7	1,138.7	5.1
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	938.7	1,364.5	-
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 ¹	9,235.0	5,857.5	1,738.4	2,621.7	1,497.4	5,019.3	1,789.8	3,229.5	-

¹ Based on Budget estimates.

Source: Accountant-General's Department

12.8 GOVERNMENT DEBT

Million Dollars

End of Year	Total	Domestic					External					
		Total	Registered Stocks	Bearer Bonds	Treasury Bills and Deposits	Advance Deposits	Total	UK Special Aid	World Bank	Asian Development Bank	Capital Market Loan	Others
1971	2,734.0	2,487.1	1,349.7	45.0	997.2	95.2	246.9	186.1	10.2	-	-	50.6
1972	3,483.2	3,052.4	1,628.0	35.0	1,178.2	211.2	430.8	231.2	13.8	1.8	143.9	40.1
1973	3,757.6	3,285.3	2,332.6	35.0	745.8	171.9	472.3	264.5	18.2	5.0	143.9	40.7
1974	4,522.4	4,028.5	2,761.2	35.0	848.4	383.9	493.9	270.1	27.6	6.3	143.9	46.0
1975	5,698.1	5,155.4	3,747.4	75.0	930.1	402.9	542.7	270.1	47.2	8.4	143.9	73.1
1976	7,318.2	6,656.3	5,321.6	75.0	819.0	440.7	661.9	270.1	65.7	14.0	235.4	76.7
1977	9,132.9	8,142.7	6,851.0	115.0	827.6	349.1	990.2	270.1	79.6	14.8	531.7	94.0
1978	10,695.4	9,674.4	7,872.3	135.0	942.1	725.0	1,021.0	260.7	131.3	13.4	517.3	98.3
1979	12,401.6	11,419.8	9,585.2	135.0	1,128.0	571.6	981.8	251.2	137.6	11.9	492.9	88.2
1980	14,674.5	13,732.5	11,608.7	120.0	1,651.3	352.5	942.0	241.0	145.7	11.1	465.9	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

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

12.9 GOVERNMENT REGISTERED STOCKS BY HOLDERS

Million Dollars

End of Year Categories of Holders	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
Total	1,349.7	1,628.0	2,332.6	2,761.2	3,747.4	5,321.6	6,851.0	7,872.3	9,585.2	11,608.7	11,333.0
Central Provident Fund	892.8	1,092.1	1,572.2	1,978.8	2,803.0	3,743.2	4,583.8	5,229.7	6,919.7	9,082.2	9,002.1
Public Authorities	190.1	177.7	189.8	165.5	211.0	190.3	245.3	359.9	386.9	432.3	429.3
Post Office Savings Bank	86.7	88.9	45.9	44.4	66.4	305.2	667.2	688.2	708.2	728.2	656.3
Insurance Companies	44.8	56.9	80.1	89.4	105.9	133.8	163.2	191.1	228.4	223.7	260.5
Commercial Banks	92.4	140.8	257.3	344.0	352.4	610.5	733.7	782.5	722.3	689.9	588.2
Nominees & Trustees	25.2	43.3	61.8	22.1	114.5	163.2	202.3	236.0	264.2	244.3	207.9
Discount Houses	-	-	79.9	76.4	28.6	68.4	108.6	124.5	77.7	19.8	43.2
Others	17.7	28.3	45.6	40.6	65.6	107.0	146.9	260.4	277.8	188.3	145.5

Source: The Monetary Authority of Singapore

12.10 REVENUE COLLECTED BY CUSTOMS AND EXCISE DEPARTMENT

Thousand Dollars

Year	Total	Import and Excise Duties					Entertainment Duties	Film Hire Duty	Licence Fees	Miscellaneous Receipts
		Liquors	Tobacco	Petroleum	Sugar	Others				
1971	302,385	65,468	67,857	82,303	15,036	54,400	11,380	2,116	1,574	2,251
1972	334,994	70,571	74,174	92,405	16,289	61,453	13,575	2,445	1,558	2,524
1973	422,586	91,786	93,467	107,763	17,392	89,943	14,447	2,535	2,116	3,137
1974	420,964	94,966	99,743	117,705	18,090	63,705	17,275	2,972	2,760	3,748
1975	433,021	103,014	108,344	121,387	16,418	53,391	18,769	3,189	3,596	4,913
1976	474,488	107,605	119,974	125,778	18,239	71,325	20,695	3,201	3,074	4,597
1977	535,409	114,024	123,692	133,891	19,354	105,673	25,244	3,778	4,351	5,402
1978	586,500	129,511	126,721	143,428	19,596	125,625	29,580	3,793	3,284	4,962
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

Source: Customs and Excise Department

12.11 REVENUE COLLECTED BY INLAND REVENUE DEPARTMENT

Thousand Dollars

Year	Total	Income Tax ¹	Property Tax ¹	Estate Duties	Stamp Duties ²	Payroll Tax	Bets, Sweepstakes and Private Lotteries	Radio and Television Licensing Fees ³	Skills Development Levy ⁴	Others
1971	544,202	317,580	138,352	11,257	29,169	21,770	11,203	7,806	-	7,065
1972	676,222	403,971	155,619	19,132	40,780	27,068	13,953	8,670	-	7,029
1973	929,912	562,622	200,216	24,168	74,390	35,229	16,391	9,574	-	7,322
1974	1,251,956	846,482	253,830	31,911	44,849	44,441	18,313	10,307	-	1,823
1975	1,559,606	1,123,745	281,439	21,634	46,933	51,805	22,433	11,327	-	290
1976	1,663,784	1,153,559	331,865	21,851	56,848	59,302	27,927	12,220	-	212
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	2,883,285	1,915,962	531,095	23,548	165,703	107,516	42,524	16,154	80,338	445
1981	3,940,586	2,628,438	648,274	47,586	279,286	133,898	68,250	21,433	112,926	495

1 Figures include compounding fees.

2 Figures from 1974 include sales of revenue stamps which were previously included under others.

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

4 Amount credited to Skills Development Fund.

Source: Inland Revenue Department
Singapore Broadcasting Corporation

12.12 TAXPAYERS, ASSESSED INCOME AND TAX ASSESSED, 1979 AND 1980

	Taxpayers			Assessed Income			Tax Assessed		
	Total	Resident	Non-resident	Total	Resident	Non-resident	Total	Resident	Non-resident
	Number			Thousand Dollars					
Total	1979								
	320,229	315,101	5,128	6,519,129	6,229,874	289,255	1,309,182	1,209,486	99,696
	312,666	307,930	4,736	4,221,279	4,177,888	43,391	410,577	399,003	11,574
	259,854	255,377	4,477	3,413,755	3,375,729	38,026	318,638	309,181	9,457
	34,876	34,817	59	476,999	476,258	741	47,673	47,400	273
	17,936	17,736	200	330,525	325,901	4,624	44,266	42,422	1,844
	6,524	6,136	388	2,287,985	2,042,136	245,849	895,119	807,003	88,116
	763	759	4	6,861	6,846	15	2,738	2,732	6
	276	276	-	3,004	3,004	-	748	748	-
	1980								
	371,397	366,794	4,603	8,648,587	8,258,064	390,523	1,915,554	1,770,928	144,626
	363,546	359,220	4,326	4,877,040	4,836,325	40,715	427,118	416,727	10,391
298,990	294,932	4,058	3,901,427	3,865,812	35,615	323,386	315,252	8,134	
42,322	42,246	76	572,331	570,880	1,451	54,718	54,171	547	
22,234	22,042	192	403,282	399,633	3,649	49,014	47,304	1,710	
6,992	6,716	276	3,724,340	3,374,533	349,807	1,466,183	1,331,948	134,235	
802	801	1	7,630	7,629	1	3,045	3,045	-	
57	57	-	39,577	39,577	-	19,208	19,208	-	

Note: Figures for 1979 refer to assessments made during the period 1.1.79 to 31.12.79 (12 months).

Source: Inland Revenue Department

Figures for 1980 refer to assessments made during the period 1.1.80 to 31.12.80 (12 months).

1 Include Hindu Joint Families.

12.13 INCOME TAX ASSESSMENT OF INDIVIDUALS, 1979 AND 1980

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	1979								
	312,666	307,930	4,736	4,221,280	4,177,888	43,392	410,577	399,003	11,574
	67,066	64,283	2,783	317,059	311,935	5,124	4,897	3,436	1,461
	61,886	61,554	332	432,563	430,216	2,347	7,870	7,301	569
	48,827	48,553	274	435,637	433,175	2,462	10,981	10,415	566
	63,346	62,903	443	766,763	761,276	5,487	29,389	28,189	1,200
	27,589	27,264	325	476,678	471,016	5,662	27,791	26,554	1,237
	21,591	21,227	364	519,922	510,950	8,972	44,550	42,698	1,852
	13,766	13,623	143	520,091	514,957	5,134	75,972	74,547	1,425
	6,656	6,607	49	442,143	438,685	3,458	104,883	103,517	1,366
	1,636	1,619	17	214,216	211,918	2,298	68,130	67,211	919
	303	297	6	96,208	93,760	2,448	36,114	35,135	979
	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	1980							
363,546		359,220	4,326	4,877,697	4,836,325	41,372	427,118	416,727	10,391
79,806		77,303	2,503	338,505	333,747	4,758	3,807	2,537	1,270
69,596		69,320	276	488,273	486,333	1,940	7,142	6,692	450
59,290		59,026	264	530,581	528,192	2,389	10,924	10,376	548
72,869		72,434	435	880,051	874,689	5,362	28,857	27,680	1,177
30,818		30,548	270	531,167	526,448	4,719	27,458	26,480	978
24,416		24,087	329	588,171	580,104	8,067	45,214	43,646	1,568
16,450		16,270	180	623,620	617,191	6,429	78,181	76,836	1,345
7,985		7,942	43	534,942	531,748	3,194	112,141	110,892	1,249
1,970		1,951	19	257,134	254,548	2,586	74,317	73,283	1,034
346		339	7	105,253	103,325	1,928	39,077	38,305	772

Note: See note to Table 12.12.

Source: Inland Revenue Department

12.14 INCOME TAX ASSESSMENT OF COMPANIES, 1979 AND 1980

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	1979								
	6,524	6,136	388	2,287,985	2,042,136	245,849	895,119	807,003	88,116
	1,589	1,510	79	6,960	6,622	338	2,765	2,633	132
	874	834	40	13,256	12,674	582	5,294	5,061	233
	530	492	38	13,462	12,480	982	5,369	4,976	393
	733	703	30	29,388	28,184	1,204	11,731	11,250	481
	911	867	44	66,782	63,353	3,429	26,685	25,313	1,372
	999	941	58	177,915	167,626	10,289	70,989	66,984	4,005
	273	245	28	107,928	97,009	10,919	43,040	38,782	4,258
	257	228	29	185,251	164,680	20,571	73,903	65,833	8,070
	358	316	42	1,687,043	1,489,508	197,535	655,343	586,171	69,172
	1980								
	6,992	6,716	276	3,724,340	3,374,533	349,807	1,466,182	1,331,948	134,234
1,646	1,600	46	7,563	7,346	217	3,021	2,934	87	
921	895	26	13,815	13,443	372	5,511	5,368	143	
612	587	25	15,493	14,890	603	6,202	5,961	241	
820	791	29	33,186	32,082	1,104	13,270	12,829	441	
951	908	43	70,193	67,141	3,052	28,024	26,820	1,204	
1,042	1,005	37	184,271	177,408	6,863	73,640	70,895	2,745	
320	303	17	124,521	117,670	6,851	49,627	46,886	2,741	
303	284	19	215,125	200,500	14,625	85,913	80,053	5,860	
377	343	34	3,060,173	2,744,053	316,120	1,200,974	1,080,202	120,772	

Note: See note to Table 12.12.

Source: Inland Revenue Department

13. PRICES

Consumer Price Index

The Consumer Price Index (June 1977-May 1978 = 100) was compiled on the basis of a list of items and weighting pattern derived from the Household Expenditure Survey conducted from June 1977 to May 1978. The records of expenditure of 4,033 households (constituting 87 per cent of all households covered in the survey) with monthly expenditure between \$100 and \$1,499 were used as the weighting pattern. The index, a weighted arithmetic average of price relatives, is computed monthly and the yearly index is a simple average of twelve monthly indexes.

Retail Prices

Retail prices of goods are collected regularly from markets, supermarkets, provision shops 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 and some miscellaneous items including items of services are priced monthly while items with infrequent price fluctuations are either checked half-yearly or yearly.

Wholesale Price Indexes

The series of wholesale price indexes (1974 = 100) consist of the General Wholesale Price Index and Indexes on Singapore manufactured products, imported products, exported products, building materials and local farm products. The list of items and weighting patterns for the Singapore manufactured products, imported products and building materials series were derived from data

collected in the 1973 Census of Industrial Production and/or the 1973 external trade statistics while those for the exported products series were derived from exports statistics of the 1978. The series on local farm products was based on data supplied by the Primary Production Department. The weights for the General Wholesale 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.

Wholesale Prices

Wholesale prices of rubber are supplied weekly by the Rubber Association of Singapore. In the case of palm oil, prices were, prior to March 1972, supplied monthly by Messrs Kumpulan Guthrie Sdn Bhd and since then by the Malaysian Palm Oil Producers Association. For other types of produce, weekly prices are obtained from the Singapore Chinese Produce Exchange.

13.1 CONSUMER PRICE INDEX, 1973-1981

	All Items	Food	Clothing	Housing	Transport and Communication	Miscellaneous
Period \ Weights ¹	10,000	4,955	458	1,663	1,144	1,780
	(June 1977-May 1978 = 100)					
1973	76.5	76.7	88.4	76.0	66.8	78.9
1974	93.6	96.4	97.4	86.7	91.9	90.0
1975	96.0	97.4	96.0	91.7	95.7	95.2
1976	94.2	91.5	96.7	97.1	99.6	96.3
1977	97.2	96.0	98.2	98.6	100.1	97.6
1978	101.9	101.7	101.1	99.8	104.6	102.9
1979	106.0	104.5	104.6	104.7	114.0	106.3
1980	115.0	112.6	106.6	116.4	128.8	113.8
1981	124.4	123.4	108.6	121.5	141.0	123.6
	129.3					
	Annual Percentage Change					
1973	19.6	33.4	16.6	5.2	0.4	6.7
1974	22.3	25.6	10.1	14.1	37.6	14.0
1975	2.6	1.1	-1.3	5.8	4.0	5.7
1976	-1.9	-6.1	0.7	5.9	4.1	1.2
1977	3.2	4.9	1.5	1.5	0.6	1.4
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

1 The weights refer to the consumption pattern of 1977/78 and are used in the computation of the 1978, 1979, 1980 and 1981 indices. Indices for the period 1973-77 relate to the consumption pattern of 1972/73.

13.2 AVERAGE RETAIL PRICES OF SELECTED FOODSTUFFS

Dollars

Year	Rice and Other Cereals				Meat and Poultry				Milk, Eggs and Oils			Fish	
	Thai Rice 100%	Wheat Flour	Bread	Bee Hoon (Rice Vermicelli)	Fresh Mutton	Lean and Fat Pork	Fresh Beef	Hen	Condensed Milk	Hen Eggs	Deodorised Oil	Tenggiri 'Bekah'	Kunning
	Per kg		400g	500g Packet	Per kg				397g Tin	Per 10	2kg Bottle	Per kg	
1971	.54	.41	.30	.37	3.22	3.59	4.12	2.66	.55	.98	2.62	2.63	1.07
1972	.58	.43	.30	.36	3.28	2.98	4.55	2.83	.60	1.05	2.64	2.84	1.17
1973	1.34	.60	.35	.59	5.40	4.18	6.40	3.17	.68	1.26	3.70	3.21	1.47
1974	1.85	.88	.52	.69	6.32	5.14	7.46	3.56	.72	1.41	5.75	4.10	2.28
1975	1.49	.78	.47	.69	5.84	5.54	7.36	3.70	.85	1.30	5.29	4.46	2.73
1976	.98	.74	.45	.66	5.46	4.60	7.21	3.74	.85	1.40	5.05	4.61	3.09
1977	.89	.66	.43	.66	6.46	4.68	6.99	3.77	.85	1.41	5.36	4.76	3.27
1978	1.07	.63	.40	.70	7.08	4.88	7.29	3.80	.85	1.26	5.42	5.42	3.26
1979	.94	.71	.52	.70	7.60	4.71	9.13	3.90	.85	1.51	5.46	5.39	3.24
1980	1.05	.83	.60	.70	8.95	5.89	11.33	3.95	.93	1.47	5.46	6.17	3.31
1981	1.28	.83	.62	.70	10.30	6.50	11.87	4.34	1.14	1.73	5.24	7.12	3.70

13.2 AVERAGE RETAIL PRICES OF SELECTED FOODSTUFFS (continued)

Dollars

Year	Fish		Vegetables				Fruits				Miscellaneous		
	Parang Cut	Dried Prawns	Cabbage	Spinach	Red Chillies	Cucumber	Pineapple	Apple	Orange	Bananas 'Emas'	Sugar	Coffee Powder	Tea
	Per kg						Each			Per kg	Per kg		100 Tea Bags ¹
1971	3.34	4.56	.58	.38	1.47	.43	.28	.20	.19	.48	.66	3.65	1.52
1972	3.51	4.81	.58	.40	1.65	.45	.29	.21	.20	.50	.66	3.65	1.51
1973	3.85	5.51	.74	.48	2.12	.50	.30	.22	.21	.50	.73	4.20	1.52
1974	4.76	6.58	.73	.53	2.25	.53	.31	.21	.25	.56	.81	4.76	1.59
1975	5.29	6.63	.89	.60	2.25	.56	.35	.18	.24	.68	1.24	4.89	1.66
1976	5.29	7.08	.91	.64	2.68	.63	.37	.19	.25	.71	1.24	6.56	1.68
1977	5.52	8.23	1.04	.73	2.71	.66	.40	.22	.29	.74	1.24	13.58	1.98
1978	6.35	9.51	1.17	.86	2.73	.66	.41	.28	.31	.76	1.22	11.60	4.08
1979	6.63	10.40	1.21	.94	2.84	.74	.43	.29	.36	.81	1.20	11.86	4.26
1980	7.57	11.05	1.29	1.07	3.57	.78	.50	.30	.32	.93	1.24	12.08	4.50
1981	8.61	12.97	1.52	1.14	3.79	.86	.58	.32	.35	1.08	1.35	10.90	4.75

¹ Figures prior to 1977 refer to average retail price of tea dust (in 227g packets).

13.3 GENERAL WHOLESALE PRICE INDEX

Section	Weights	1977	1978	1979	1980	1981	1977	1978	1979	1980	1981
		1974 = 100					Annual Percentage Change				
All Items	10,000	109.9	111.6	127.7	152.7	158.6	4.5	1.6	14.4	19.6	3.9
Food	1,040	112.1	110.1	115.5	124.7	129.1	9.9	-1.7	4.9	8.0	3.5
Beverages & Tobacco	195	116.6	121.8	126.3	138.7	148.6	1.2	4.4	3.7	9.9	7.1
Crude Materials	1,083	118.8	127.7	161.5	175.1	144.9	4.8	7.5	26.5	8.5	-17.3
Mineral Fuels	1,572	121.1	114.6	157.4	255.6	300.3	7.2	-5.4	37.3	62.4	17.5
Animal & Vegetable Oils	74	89.0	89.9	101.6	89.3	84.9	26.0	1.1	13.0	-12.1	-4.9
Chemicals & Chemical Products	567	103.3	101.6	123.1	148.7	150.0	1.2	-1.7	21.2	20.8	0.9
Manufactured Goods	2,066	99.6	104.8	114.2	124.6	127.7	2.8	5.2	9.0	9.1	2.4
Machinery & Equipment	2,544	107.6	110.1	113.6	121.0	125.5	2.1	2.3	3.1	6.5	3.7
Miscellaneous Manufactures	859	111.0	114.5	125.0	142.6	138.7	4.9	3.2	9.2	14.0	-2.7

13.4 WHOLESALE PRICE INDEX OF SINGAPORE MANUFACTURED PRODUCTS

Section	Weights	1977	1978	1979	1980	1981	1977	1978	1979	1980	1981
		1974 = 100					Annual Percentage Change				
All Items	10,000	108.7	106.9	126.9	156.6	161.1	5.0	-1.7	18.7	23.4	2.9
Food	840	120.8	111.0	117.2	126.6	128.8	10.6	-8.1	5.6	8.0	1.8
Beverages & Tobacco	263	117.7	122.3	126.2	138.5	149.4	1.3	3.9	3.2	9.7	7.9
Crude Materials	1,286	122.6	134.1	172.0	183.9	146.9	4.2	9.4	28.3	6.9	-20.1
Mineral Fuels	2,191	119.9	112.9	152.0	240.1	273.6	6.8	-5.8	34.6	58.0	13.9
Animal & Vegetable Oils	66	78.9	81.3	92.0	83.9	79.5	19.0	3.0	13.2	-8.8	-5.2
Chemicals & Chemical Products	613	103.8	100.0	127.7	163.9	171.2	-0.1	-3.7	27.7	28.3	4.4
Manufactured Goods	1,702	103.8	107.4	122.6	130.7	132.7	5.2	3.5	14.2	6.6	1.5
Machinery & Equipment	2,013	86.2	77.7	79.0	88.4	92.9	1.2	-9.9	1.7	11.9	5.0
Miscellaneous Manufactures	1,026	112.4	114.9	127.7	149.8	148.3	7.0	2.2	11.1	17.3	-1.0

13.5 WHOLESALE PRICE INDEX OF IMPORTED PRODUCTS

Section	Weights	1977	1978	1979	1980	1981	1977	1978	1979	1980	1981
		1974 = 100					Annual Percentage Change				
All Items	10,000	112.6	116.9	132.0	154.2	156.6	5.1	3.8	12.9	16.8	1.6
Food	997	118.7	118.9	124.5	131.6	133.6	15.5	0.2	4.7	5.7	1.6
Beverages & Tobacco	85	114.1	120.0	125.9	137.9	148.1	0.3	5.2	4.8	9.6	7.4
Crude Materials	1,622	115.5	126.6	155.2	169.3	134.4	5.0	9.6	22.6	9.1	-20.6
Mineral Fuels	1,293	123.1	117.4	163.6	269.0	316.7	6.8	-4.6	39.4	64.4	17.7
Animal & Vegetable Oils	144	96.7	95.1	107.1	93.4	89.9	34.3	-1.7	12.7	-12.8	-3.8
Chemicals & Chemical Products	550	103.9	104.2	117.6	135.4	133.7	-0.7	0.3	12.9	15.2	-1.3
Manufactured Goods	1,959	101.3	107.7	116.2	126.4	128.7	2.8	6.3	7.9	8.8	1.8
Machinery & Equipment	2,657	114.7	121.1	124.9	132.6	137.4	2.4	5.6	3.2	6.2	3.6
Miscellaneous Manufactures	693	111.8	115.1	119.1	128.5	129.4	4.6	3.0	3.4	7.8	0.7

13.6 WHOLESALE PRICE INDEX OF EXPORTED PRODUCTS
(1978 = 100)

	All Items	Food	Beverages and Tobacco	Crude Materials	Mineral Fuels	Animal and Vegetable Oils	Chemicals and Chemical Products	Manufactured Goods	Machinery and Transport Equipment	Miscellaneous Manufactures
Weights	10,000	662	41	1,410	3,031	211	418	939	2,559	729
Period										
1979	116.9	104.0	102.5	122.8	137.0	105.0	109.3	110.8	102.0	102.3
1980	144.1	107.5	116.0	127.1	212.7	98.8	137.6	121.0	105.6	108.8
1981	149.5	103.2	123.0	101.3	233.6	88.4	138.9	121.7	115.9	114.2
1981 January	151.1	107.3	121.4	116.9	233.8	92.0	137.1	119.7	112.9	114.0
February	150.6	106.5	122.4	115.1	233.6	90.9	137.4	119.6	112.7	114.2
March	150.4	104.9	121.7	111.4	235.0	91.8	137.7	119.9	112.5	114.1
April	150.2	104.0	122.4	105.5	237.1	90.5	137.3	120.2	112.7	114.3
May	151.9	102.9	122.5	107.4	239.9	94.7	137.6	120.7	114.7	114.2
June	150.5	100.2	122.4	104.1	236.5	97.3	137.4	121.7	115.2	113.9
July	150.5	102.0	122.8	99.6	235.2	89.6	137.9	123.4	118.6	114.5
August	150.4	101.9	122.7	98.4	235.5	87.3	138.0	123.3	118.8	114.4
September	149.3	102.1	124.2	95.4	233.4	85.8	138.0	123.2	118.6	114.5
October	147.1	102.2	124.3	88.5	228.7	83.0	143.5	123.3	118.6	113.9
November	146.1	102.5	124.3	86.1	227.3	81.2	142.7	122.8	118.1	114.1
December	145.7	101.8	124.3	87.1	226.8	76.7	142.2	122.1	117.6	114.1

13.7 WHOLESALE PRICE INDEX OF BUILDING MATERIALS

Section	Weights	1977	1978	1979	1980	1981	1977	1978	1979	1980	1981
		1974 = 100					Annual Percentage Change				
All Items	10,000	94.7	99.0	111.1	127.7	136.0	1.0	4.5	12.2	14.9	6.5
Timber & Wood Products	586	118.6	119.6	143.8	159.0	161.1	5.7	0.8	20.2	10.6	1.3
Concrete Ingredients (Granite)	603	123.6	115.5	125.6	212.7	279.4	-11.0	-6.6	8.7	69.3	31.3
Paints	517	99.7	99.7	106.9	121.0	122.6	-	-	7.2	13.2	1.4
Cement	1,978	92.2	95.7	108.2	115.0	126.2	-2.7	3.8	13.1	6.3	9.8
Bricks & Concrete Blocks	330	108.9	107.5	127.4	187.2	217.2	1.3	-1.3	18.5	46.9	16.1
Tiles	986	107.3	120.9	130.1	146.8	160.1	16.0	12.7	7.6	12.8	9.1
Iron & Steel Products	3,466	82.3	89.2	100.8	110.0	108.9	0.1	8.4	13.0	9.1	-1.0
Cables	625	64.1	63.6	81.7	88.4	72.1	-1.1	-0.8	28.5	8.2	-18.4
Sanitary & Plumbing Fixtures	173	101.9	103.8	114.4	129.6	145.5	-2.0	1.9	10.2	13.3	12.2
Others	736	114.6	118.6	123.3	135.5	144.9	6.6	3.5	4.0	9.9	7.0

13.8 WHOLESALE PRICE INDEX OF LOCAL FARM PRODUCTS

Section	Weights	1977	1978	1979	1980	1981	1977	1978	1979	1980	1981
		1974 = 100					Annual Percentage Change				
All Items	10,000	104.0	100.9	106.6	118.0	134.1	11.6	-3.0	5.7	10.8	13.6
Pigs	4,879	97.2	92.4	92.2	109.3	125.6	20.4	-4.9	-0.2	18.5	14.9
Fowls	2,384	96.5	96.0	102.2	101.5	114.8	-1.6	-0.5	6.6	-0.7	13.0
Ducks	272	106.2	97.9	99.7	126.8	157.0	11.3	-7.8	1.9	27.2	23.8
Hen Eggs	1,084	98.3	82.3	103.0	97.7	118.8	-0.8	-16.3	25.1	-5.2	21.6
Leafy Vegetables	435	124.5	142.0	155.2	207.4	212.8	21.4	14.1	9.2	33.6	2.6
Fruit Vegetables	99	133.9	127.9	153.8	173.0	183.5	11.9	-4.5	20.3	12.5	6.5
Root Vegetables	22	142.3	141.0	153.7	179.4	214.0	47.4	-0.9	9.0	16.7	19.3
Fresh Fish	825	156.6	164.1	178.4	185.7	202.6	15.2	4.8	8.7	4.0	9.2

13.9 AVERAGE WHOLESALE 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)	
1971	102.22	95.39	93.36	91.97	..	..	93.09	308.30	314.50	193.97	90.96	648	10.43
1972	93.65	89.87	88.44	86.95	..	..	84.83	238.45	322.43	165.15	63.96	492	10.35
1973	166.82	159.65	158.18	155.28	..	..	147.86	273.95	408.99	232.53	119.80	510	11.30
1974	183.71	171.18	165.67	160.56	151.90	145.63	152.28	393.19	484.36	264.00	239.91	1,149	18.65
1975	135.21	131.01	128.80	126.18	131.20	129.38	119.64	391.43	428.09	264.26	116.06	1,055	15.94
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

Notes: Int = International.

SSR = Singapore Specified Rubber.

Source: Rubber Association of Singapore

Chinese Produce Exchange

Malaysian Palm Oil Producers Association

1. Figures prior to 1974 refer to quarterly average selling price ex-installation and from 1974 onwards they refer to monthly average shipment price.

14. EDUCATION

Primary Education

Primary education for a child is free and begins at the age of six.

The New Education System for primary education was implemented in January 1980. Under this system, the first three years of primary education emphasise on the learning of languages instead of the acquisition of factual knowledge. This is to give pupils a strong language foundation for the learning of mathematics, science and other subjects. At the end of primary three, pupils will be streamed into the normal bilingual course, the extended bilingual course or the monolingual course. Pupils in the normal and extended bilingual courses will sit for the Primary School Leaving Examinations at the end of the sixth

year and eighth year respectively. Pupils in the monolingual course will study another five years before they sit for an examination leading to a certificate. After that they can join the Vocational and Industrial Training Board for vocational training.

Secondary Education

The New Education System for secondary education was implemented in January 1981. Under this system, pupils are streamed into secondary special, secondary express and secondary normal courses according to their performance in the Primary School Leaving Examinations. Pupils in the secondary special course do both English and Chinese at the first language level while the pupils in both the secondary express and normal courses do two languages

at the first and second language levels respectively. Pupils in the secondary special and express courses will sit for the General Certificate of Education 'Ordinary' Level Examinations at the end of the fourth year before proceeding to the pre-university courses. Pupils in the secondary normal course follow a modified curriculum. At the end of the fourth year, they will sit for the Certificate of Secondary Education Examinations. Those who have done well in these examinations may proceed to sit for the General Certificate of Education 'Ordinary' Level Examinations after an extra year of study. The others may go for vocational training or take up employment.

The secondary one and two pupils in the special, express and normal courses study the same number of subjects. The curriculum time allocated to a particular subject in each of the courses are the same.

However, the syllabus to be covered for each subject vary with each of the courses. After completing secondary two, all pupils have the choice of taking any combination of compulsory subjects and elective subjects depending on their interests and aptitudes.

At the pre-university levels, pupils will be streamed into a two-year course in junior colleges or a three-year course in pre-university school centres. Pupils who are good in English and performed well in their General Certificate of Education 'Ordinary' Level Examinations will be streamed into the two-year course. They are also required to do well in their second language. Those who are weak in English will do the three-year course. They have to spend a significant proportion of their curriculum time on learning the language so as to achieve a better grounding in it.

Vocational and Industrial Training

Vocational and industrial training in Singapore is provided for by the VITB under its training institutions and apprenticeship training schemes. Apart from supervising young persons undergoing apprenticeship and traineeship schemes, the training, retraining and upgrading of workers are also provided for.

The VITB runs 17 training institutes and centres and offers full-time and part-time courses in more than 60 types of vocational and industrial skills at the following levels: Diploma in Applied Arts, the Industrial Technician Certificate, the Commercial Education Certificate, the National Trade Certificate, Grades 3, 2 and 1 and the Certificate of Competency. Under its continuing education programmes the VITB offers vocational skill development, academic, language and personal enrichment courses.

Tertiary Education

The tertiary institutions 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 following the merger of the University of Singapore and Nanyang University. The University offers degree courses in Arts, Social Sciences, Law, Science, Medicine, Dentistry, Pharmacy, Engineering (including Chemical Engineering), Architecture, Building, Estate Management, Accountancy and Business Administration. Higher degree courses are offered in all faculties. There is also a post graduate diploma course in Business Administration. Courses leading to the Diploma in Education and higher degrees in Education which are awarded by the University, are conducted at

the Institute of Education. The course leading to the University's Masters degree in Applied Linguistics is conducted at the Regional Language Centre.

The Nanyang Technological Institute 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 aiming at producing practice-oriented engineers to meet the demands of a restructured economy in Singapore. By special arrangements with the Senate of the National University of Singapore, all first year students attend a common course in the University's Faculty of Engineering. The Institute will take in its first batch of about 650 second year students in July 1982. A new campus, costing about S\$200m is being planned for the Institute.

The Singapore Polytechnic offers technician diploma courses in civil, electrical, electronics and communication, mechanical, production, marine and structural engineering, architectural draughtsmanship, building, land surveying and chemical process technology. There are also technician certificate courses in architectural draughtsmanship, aeronautical maintenance engineering and maritime radio-communications. In addition, there are post-technician certificate and diploma courses in industrial management and a pre-sea induction course.

The Ngee Ann Polytechnic conducts courses at the engineering technician level leading to the Technician Diploma in Mechanical Engineering, Electrical and Electronic Engineering, Shipbuilding and Repair Technology and Building Maintenance and Management. The College also offers a Business Studies

course at the middle-management level leading to the Diploma in Business Studies. In addition, part-time courses are conducted in industrial management, marketing management, ship draughtsmanship, naval architecture, ship construction and welding technology.

The Institute of Education provides training for pre-primary, primary and secondary school teachers in all the four official languages and conducts in-service and upgrading courses for the development of qualified teachers.

The Institute also conducts ad hoc courses for other organisations and educational research relevant to Singapore's needs.

Expenditure on Education

Education has been a major item of public expenditure and its provision has been increasing steadily. The total recurrent expenditure in the fiscal year 1981/82 was \$749 million.

14.1 ENROLMENT IN EDUCATIONAL INSTITUTIONS

Number

Year	Total	Primary Schools	Secondary Schools and Junior Colleges				Technical and Vocational Institutes ¹	Universities and Colleges
			Total	Academic	Technical	Commercial		
1971	531,790	357,936	153,522	139,251	12,186	2,085	6,063	14,269
1972	537,278	354,748	161,371	144,145	14,859	2,367	5,841	15,318
1973	542,442	345,284	173,109	155,050	15,645	2,414	7,124	16,925
1974	536,045	337,816	174,177	154,606	16,958	2,613	6,250	17,802
1975	532,956	328,401	176,224	153,029	19,802	3,393	9,830	18,501
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	501,978	296,608	170,316	146,769	17,064	6,483	12,543	22,511
1981	504,092	289,697	177,238	148,842	18,330	10,066	13,001	24,156

Note: Data refer to end-June. However, figures for Primary and Secondary Schools in 1980 and 1981 are at end-December.

Source: Ministry of Education

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.

14.2 STUDENTS AND TEACHERS IN EDUCATIONAL INSTITUTIONS, 1981

Number

	Institutions	Students			Teachers		
		Total	Males	Females	Total	Males	Females
Total	494	504,092	265,151	238,941	23,030	9,877	13,153
Primary Schools	327	289,697	152,613	137,084	11,108	3,441	7,667
Secondary Schools & Junior Colleges	145	177,238	86,522	90,716	8,807	3,910	4,897
Technical & Vocational Institutes	17	13,001	10,915	2,086	889	684	205
Technical Colleges	3	11,987	9,140	2,847	820	686	134
Institute of Education	1	1,783	329	1,454	186	120	66
National University of Singapore	1	10,386	5,632	4,754	1,220	1,036	184

Notes: Please see note of Table 14.1.

Source: Ministry of Education

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

14.3 PRIMARY SCHOOLS, STUDENTS AND TEACHERS BY TYPE OF SCHOOL

	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
Total Schools	419	414	410	396	391	379	376	364	351	342	327
Government	197	197	196	193	193	190	199	196	193	203	200
Government-aided	215	211	208	199	194	185	174	165	156	137	125
Private	7	6	6	4	4	4	3	3	2	2	2
Total Students	357,936	354,748	345,284	337,816	328,401	316,265	308,342	300,398	297,873	296,608	289,697
Government	229,562	227,588	222,973	219,281	215,657	213,149	214,749	214,727	217,163	219,956	214,763
Government-aided	128,001	126,798	121,925	118,170	112,377	102,824	93,392	85,491	80,527	76,565	74,756
Private	373	362	386	365	367	292	201	180	183	87	178
Total Teachers¹	11,949	10,858	11,714	11,511	11,190	11,432	11,137	11,112	11,052	11,267	11,108
Government	7,811	6,975	7,664	7,510	7,344	7,684	7,699	7,857	7,687	8,080	8,386
Government-aided	4,124	3,868	4,036	3,988	3,831	3,732	3,424	3,247	3,349	3,184	2,711
Private	14	15	14	13	15	16	14	8	16	3	11

Note: Data prior to 1980 refer to end-June. With effect from 1980, figures refer to end-December.

Source: Ministry of Education

1 Figures from 1973 include all professional officers working in the Ministry of Education.

14.4 PRIMARY SCHOOL STUDENTS AND TEACHERS BY LANGUAGE STREAM

Number

Language Stream \ Year	Year										
	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
Students											
Total	357,936	354,748	345,284	337,816	328,401	316,265	308,342	300,398	297,873	296,608	289,697
Males	190,079	187,987	182,556	178,462	173,406	166,678	163,292	158,776	157,694	156,521	152,613
Females	167,857	166,761	162,728	159,354	154,995	149,587	145,050	141,622	140,179	140,087	137,084
English	227,190	229,386	229,492	232,834	234,251	234,700	237,994	241,469	248,507	250,537	251,254
Males	121,167	121,787	121,249	122,804	123,713	123,664	125,875	127,556	131,423	131,830	131,699
Females	106,023	107,599	108,243	110,030	110,538	111,036	112,119	113,913	117,084	118,707	119,555
Chinese	113,771	112,509	106,387	98,647	89,823	78,712	68,315	57,455	48,283	45,316	37,968
Males	62,142	61,116	57,587	53,156	47,939	41,845	36,539	30,547	25,754	24,317	20,664
Females	51,629	51,393	48,800	45,491	41,884	36,867	31,776	26,908	22,529	20,999	17,304
Malay	15,885	11,891	8,587	5,712	3,883	2,567	1,837	1,362	1,029	739	475
Males	6,341	4,698	3,387	2,252	1,571	1,055	798	621	489	362	250
Females	9,544	7,193	5,200	3,460	2,312	1,512	1,039	741	540	377	225
Tamil	1,090	962	818	623	444	286	196	112	54	16	-
Males	429	386	333	250	183	114	80	52	28	12	-
Females	661	576	485	373	261	172	116	60	26	4	-
Teachers											
Total	11,949	10,858	11,714	11,511	11,190	11,432	11,137	11,112	11,052	11,267	11,108
Males	4,055	3,757	3,747	3,665	3,702	4,020	3,938	3,957	3,760	3,626	3,441
Females	7,894	7,101	7,967	7,846	7,488	7,412	7,199	7,155	7,292	7,641	7,667
English	7,405	6,686	7,442	7,416	7,413	7,723	7,935	8,207	8,256	6,815	6,747
Males	2,046	1,905	1,952	1,974	2,112	2,318	2,473	2,630	2,601	1,782	1,668
Females	5,359	4,781	5,490	5,442	5,301	5,405	5,462	5,577	5,655	5,033	5,079
Chinese	3,714	3,482	3,645	3,557	3,322	3,262	2,906	2,668	2,629	3,311	3,251
Males	1,590	1,499	1,463	1,399	1,335	1,441	1,284	1,184	1,051	1,329	1,277
Females	2,124	1,983	2,182	2,158	1,987	1,821	1,622	1,484	1,578	1,982	1,974
Malay	764	636	568	487	420	413	269	219	152	924	906
Males	395	330	312	274	240	244	169	134	99	447	437
Females	369	306	256	213	180	169	100	85	53	477	469
Tamil	66	54	59	51	35	34	27	18	15	217	204
Males	24	23	20	18	15	17	12	9	9	68	59
Females	42	31	39	33	20	17	15	9	6	149	145

Note: See note to Table 14.3.

Source: Ministry of Education

14.5 ENROLMENT IN PRIMARY SCHOOLS BY AGE AND LEVEL, DECEMBER 1981

							Number
Age As At 1.1.81	Total	Primary 1	Primary 2	Primary 3	Primary 4	Primary 5	Primary 6
Males							
Total	149,067	22,205	24,020	25,674	24,776	31,349	21,043
Under 6	30	30	-	-	-	-	-
6 & Under 7	20,140	20,133	7	-	-	-	-
7 & Under 8	23,650	1,982	21,659	9	-	-	-
8 & Under 9	24,571	51	2,272	22,246	2	-	-
9 & Under 10	23,135	7	61	3,103	19,883	81	-
10 & Under 11	22,653	2	20	280	4,087	18,172	92
11 & Under 12	21,635	-	1	19	732	8,116	12,767
12 & Under 13	9,711	-	-	3	72	4,607	5,029
13 & Under 14	3,287	-	-	14	-	361	2,912
14 & Under 15	246	-	-	-	-	11	235
15 & Under 16	8	-	-	-	-	-	8
16 & Over	1	-	-	-	-	1	-
Females							
Total	135,934	20,384	22,493	23,605	22,486	26,451	20,515
Under 6	35	35	-	-	-	-	-
6 & Under 7	18,516	18,508	8	-	-	-	-
7 & Under 8	22,166	1,798	20,363	5	-	-	-
8 & Under 9	23,072	40	2,068	20,953	11	-	-
9 & Under 10	21,449	3	41	2,481	18,881	43	-
10 & Under 11	21,234	-	10	147	3,186	17,848	43
11 & Under 12	20,128	-	-	12	377	5,867	13,872
12 & Under 13	7,173	-	2	-	29	2,539	4,603
13 & Under 14	2,032	-	1	7	2	152	1,870
14 & Under 15	121	-	-	-	-	2	119
15 & Under 16	7	-	-	-	-	-	7
16 & Over	1	-	-	-	-	-	1

Note: Figures exclude students in Basic Courses and in Private Schools.

Source: Ministry of Education

14.6 SECONDARY SCHOOLS, STUDENTS AND TEACHERS BY TYPE OF SCHOOL

Number

	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
Total Schools	122	121	124	123	124	126	131	135	135	144	145
Government	68	68	69	69	70	72	77	79	80	89	90
Government-aided	46	45	47	48	48	48	49	51	51	51	51
Private	8	8	8	6	6	6	5	5	4	4	4
Total Students	153,522	161,371	173,109	174,177	176,224	177,992	178,186	179,811	176,521	170,316	177,238
Government	111,030	118,174	127,942	127,384	127,651	128,148	127,769	128,509	126,017	121,700	128,127
Government-aided	40,451	41,192	43,315	45,017	46,687	48,022	48,724	49,612	48,735	46,678	47,333
Private	2,041	2,005	1,852	1,776	1,886	1,822	1,693	1,690	1,769	1,938	1,778
Total Teachers ¹	6,685	6,398	7,442	7,543	7,559	7,592	7,753	7,828	8,418	8,019	8,807
Government	4,979	4,800	5,750	5,777	5,761	5,739	5,799	5,787	6,222	6,131	7,249
Government-aided	1,623	1,510	1,600	1,694	1,724	1,784	1,881	1,974	2,130	1,822	1,493
Private	83	88	92	72	74	69	73	67	66	66	65

Note: See note to Table 14.3.

Source: Ministry of Education

1 Figures from 1973 include all professional officers working in the Ministry of Education.

14.7 SECONDARY SCHOOL STUDENTS AND TEACHERS BY LANGUAGE STREAM

Number

Language Stream \ Year	Year										
	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
Students											
Total	153,522	161,371	173,109	174,177	176,224	177,992	178,186	179,811	176,521	170,316	177,238
Males	78,267	81,283	86,809	86,735	86,753	86,731	86,362	87,071	85,467	82,585	86,522
Females	75,255	80,088	86,300	87,442	89,471	91,261	91,824	92,740	91,054	87,731	90,716
English	98,700	105,478	114,548	115,145	116,094	117,946	119,514	123,936	130,699	129,941	144,309
Males	49,514	52,370	56,837	56,718	56,322	56,546	56,988	59,201	62,511	62,738	70,255
Females	49,186	53,108	57,711	58,427	59,772	61,400	62,526	64,735	68,188	67,203	74,054
Chinese	45,874	46,522	48,823	49,993	52,263	53,917	54,093	52,715	43,986	39,226	32,147
Males	25,477	25,590	26,622	26,924	27,820	28,315	27,995	26,920	22,373	19,483	16,005
Females	20,397	20,932	22,201	23,069	24,443	25,602	26,098	25,795	21,613	19,743	16,142
Malay	8,647	9,055	9,374	8,657	7,507	5,794	4,301	2,944	1,668	1,042	678
Males	3,200	3,218	3,201	2,920	2,441	1,736	1,272	878	526	323	217
Females	5,447	5,837	6,173	5,737	5,066	4,058	3,029	2,066	1,142	719	461
Tamil	301	316	364	382	360	335	278	216	168	107	104
Males	76	105	149	173	170	134	107	72	57	41	45
Females	225	211	215	209	190	201	171	144	111	66	59
Teachers											
Total	6,685	6,398	7,023	6,979	7,120	7,592	7,753	7,828	8,418	8,019	8,807
Males	3,532	3,414	3,557	3,462	3,515	3,977	3,954	3,871	4,105	3,521	3,910
Females	3,153	2,984	3,466	3,517	3,605	3,615	3,799	3,957	4,313	4,498	4,897
English	4,110	3,969	4,463	4,431	4,562	4,857	5,043	5,142	5,721	5,701	6,410
Males	1,953	1,924	2,049	1,998	2,042	2,309	2,329	2,311	2,572	2,327	2,689
Females	2,157	2,045	2,414	2,433	2,520	2,548	2,714	2,831	3,149	3,374	3,721
Chinese	2,140	2,006	2,131	2,133	2,170	2,334	2,343	2,354	2,406	1,910	1,943
Males	1,319	1,240	1,242	1,202	1,227	1,397	1,375	1,334	1,339	921	912
Females	821	766	889	931	943	937	968	1,020	1,067	989	1,031
Malay	421	409	409	401	375	391	357	321	276	360	379
Males	252	242	254	253	238	266	245	221	188	238	262
Females	169	167	155	148	137	125	112	100	88	122	117
Tamil	14	14	20	14	13	10	10	11	15	48	75
Males	8	8	12	9	8	5	5	5	6	35	47
Females	6	6	8	5	5	5	5	6	9	13	28

Note: See note to Table 14.3.

Source: Ministry of Education

Data for Chinese Stream pupils in 1979 - 1981 include those in bilingual courses.

14.8 ENROLMENT IN SECONDARY SCHOOLS BY AGE AND LEVEL, DECEMBER 1981

Age As At 1.1.81	Number							
	Total	Secondary I	Secondary II	Secondary III	Secondary IV	Pre- University I	Pre- University II	Pre- University III
Males								
Total	85,774	24,206	19,630	17,586	16,787	3,550	3,395	620
Under 12	92	91	1	-	-	-	-	-
12 & Under 13	12,552	12,539	12	1	-	-	-	-
13 & Under 14	17,488	7,062	10,416	10	-	-	-	-
14 & Under 15	19,373	4,161	5,882	9,312	18	-	-	-
15 & Under 16	17,145	338	3,089	5,396	8,311	11	-	-
16 & Under 17	11,465	13	216	2,628	6,068	2,533	7	-
17 & Under 18	5,600	-	9	229	2,238	841	2,283	-
18 & Under 19	1,704	-	2	10	146	153	940	453
19 & Under 20	318	-	1	-	5	11	156	145
20 & Under 21	37	2	2	-	1	1	9	22
Females								
Total	89,686	23,379	20,080	18,495	17,144	4,484	4,907	1,197
Under 12	53	53	-	-	-	-	-	-
12 & Under 13	13,475	13,464	11	-	-	-	-	-
13 & Under 14	18,177	6,527	11,645	5	-	-	-	-
14 & Under 15	19,659	3,116	5,500	11,026	17	-	-	-
15 & Under 16	18,385	216	2,698	5,210	10,249	12	-	-
16 & Under 17	11,186	2	219	2,093	5,335	3,532	5	-
17 & Under 18	6,335	1	6	157	1,458	843	3,866	4
18 & Under 19	2,108	-	-	4	82	84	939	999
19 & Under 20	286	-	-	-	3	13	87	183
20 & Under 21	22	-	1	-	-	-	10	11

Source: Ministry of Education

14.9 ENROLMENT IN UNIVERSITIES AND COLLEGES

Number

Year	Total		National University of Singapore		Singapore Polytechnic		Ngee Ann Polytechnic ¹		Institute of Education	
	Males	Females	Males	Females	Males	Females	Males	Females	Males	Females
1971	9,880	4,389	4,453	2,649	4,101	406	774	248	552	1,086
1972	10,826	4,492	4,672	3,150	5,147	617	896	289	111	436
1973	12,033	4,892	4,809	3,411	6,196	925	932	292	96	264
1974	12,259	5,543	4,568	3,660	6,581	1,204	1,012	326	98	353
1975	12,449	6,052	4,772	3,768	6,293	1,331	1,243	409	141	544
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

1 Ngee Ann Technical College was renamed Ngee Ann Polytechnic on 16 April 1982.

Source: Ministry of Education

14.10 MALE STUDENTS ADMITTED TO UNIVERSITIES AND COLLEGES

Number

	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
Total	3,851	4,106	4,546	4,239	4,706	4,754	4,397	4,406	4,531	5,370	5,744
National University of Singapore ¹	1,366	1,577	1,519	1,232	1,684	1,703	1,566	1,552	1,725	1,767	1,904
Arts & Social Sciences	172	222	201	181	305	269	293	234	229	197	242
Science ¹	226	271	267	157	251	278	264	328	375	220	225
Law	54	60	68	35	70	58	51	44	36	60	63
Medicine	199	195	163	163	123	122	133	82	92	107	136
Dentistry	29	33	17	29	25	29	26	16	25	20	19
Engineering	297	255	307	247	317	353	362	381	521	644	743
Architecture & Building/Estate Management	60	75	96	77	91	88	71	80	91	143	148
Accountancy & Business Administration	329	464	394	340	499	500	366	387	356	376	328
Education	-	2	6	3	3	6	-	-	-	-	-
Singapore Polytechnic	1,769	2,181	2,492	2,475	2,184	2,241	2,102	2,143	2,022	2,743	2,917
Engineering	1,406	1,795	2,113	2,083	1,774	1,800	1,784	1,848	1,810	2,316	2,320
Architecture & Building	261	273	258	250	247	266	154	170	124	332	478
Nautical	102	113	121	142	163	175	164	125	88	95	119
Ngee Ann Polytechnic ²	481	255	332	492	732	604	595	584	547	733	796
Institute of Education	235	93	203	40	106	206	134	127	237	127	127

1 Figures prior to 1974 include Pharmacy students admitted into the School of Pharmacy, which was absorbed as a department of the Faculty of Science in 1974.

2 See footnote 1 to table 14.9.

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

14.11 FEMALE STUDENTS ADMITTED TO UNIVERSITIES AND COLLEGES

Number

	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
Total	1,720	1,791	1,861	2,047	2,259	2,699	2,298	2,366	2,850	3,457	3,303
National University of Singapore	941	1,138	1,177	1,243	1,256	1,376	1,154	1,034	1,173	1,594	1,745
Arts & Social Sciences	338	408	423	444	471	453	367	366	430	499	521
Science ¹	177	174	223	125	167	283	264	250	258	402	442
Law	53	73	74	88	81	59	48	40	61	62	72
Medicine	55	62	61	76	78	77	70	57	49	66	38
Dentistry	17	23	20	13	21	16	18	19	11	18	19
Engineering	17	22	27	18	28	19	55	45	27	50	74
Architecture & Building/Estate Management	14	25	29	44	34	34	70	31	37	63	72
Accountancy & Business Administration	270	348	319	435	376	434	262	226	300	434	507
Education	-	3	1	-	-	1	-	-	-	-	-
Singapore Polytechnic	242	262	422	451	391	541	457	442	505	736	774
Engineering	119	143	309	344	253	421	365	369	426	531	474
Architecture & Building	123	119	113	107	138	120	92	73	79	205	300
Ngee Ann Polytechnic ²	144	175	133	157	228	191	170	148	265	379	358
Institute of Education	393	216	129	196	384	591	517	742	907	748	426

Note: See footnote (1) and (2) of Table 14.10.

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

14.12 MALE GRADUATES FROM UNIVERSITIES AND COLLEGES

Number

	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
Total	2,726	2,676	2,627	3,228	3,562	2,947	3,556	4,031	4,096	3,649	3,563
National University of Singapore	1,426	1,349	1,205	1,241	1,343	1,293	1,204	1,337	1,481	1,496	1,254
Arts & Social Sciences	377	282	226	171	234	232	220	278	314	308	232
Science ¹	480	429	295	232	267	264	170	193	281	300	229
Law	73	53	53	46	43	47	49	30	57	43	43
Medicine	114	113	119	124	90	99	105	120	78	93	95
Dentistry	34	25	30	23	30	15	24	28	16	15	18
Engineering	85	92	111	279	222	223	267	231	247	271	312
Architecture & Building/Estate Management	3	37	53	45	45	62	49	58	78	77	51
Accountancy & Business Administration	257	315	318	321	411	351	320	398	410	388	272
Education	3	3	-	-	1	-	-	1	-	1	2
Singapore Polytechnic	733	848	1,166	1,695	1,904	1,382	1,899	2,011	2,014	1,590	1,594
Engineering	548	693	1,012	1,491	1,651	1,063	1,595	1,692	1,687	1,390	1,412
Architecture & Building	117	79	84	125	144	190	171	181	230	179	157
Nautical	68	76	70	79	109	129	133	138	97	21	25
Ngee Ann Polytechnic ²	40	109	147	259	264	222	332	528	492	452	493
Institute of Education	527	370	109	33	51	50	121	155	109	111	222

1 Includes Pharmacy.

2 See footnote (1) in Table 14.9.

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

14.13 FEMALE GRADUATES FROM UNIVERSITIES AND COLLEGES

Number

	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
Total	1,370	1,585	1,492	1,319	1,627	1,682	2,176	1,998	2,480	2,069	2,962
National University of Singapore	706	683	901	941	1,037	1,095	1,153	1,085	1,282	1,149	1,091
Arts & Social Sciences	323	260	395	421	430	439	482	463	475	421	396
Science ¹	222	210	207	206	199	226	165	154	247	273	277
Law	12	27	35	36	39	61	67	79	73	56	43
Medicine	44	41	28	23	48	50	50	46	50	53	58
Dentistry	13	5	13	9	11	22	15	20	18	18	18
Engineering	1	1	4	10	14	18	23	9	25	17	43
Architecture & Building/Estate Management	2	3	5	5	11	11	23	23	21	40	65
Accountancy & Business Administration	89	136	214	231	284	268	328	290	373	270	191
Education	-	-	-	-	1	-	-	1	-	1	-
Singapore Polytechnic	34	54	144	176	319	289	464	376	478	379	469
Engineering	27	49	93	113	211	175	336	236	317	261	317
Architecture & Building	7	5	51	63	108	114	128	140	161	118	152
Ngee Ann Polytechnic ²	1	51	63	63	94	90	105	188	171	128	102
Institute of Education	629	797	384	139	177	208	454	349	549	413	1,300

Note: See footnote (1) and (2) of Table 14.12.

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

14.14 INTAKES OF VOCATIONAL AND INDUSTRIAL TRAINING INSTITUTES

Number

Course Level	1977			1978			1979			1980			1981		
	Total	Males	Females	Total	Males	Females	Total	Males	Females	Total	Males	Females	Total	Males	Females
Total	8,521	7,794	727	8,429	7,734	695	8,705	7,854	851	8,765	7,839	926	11,187	10,118	1,069
Full-time	7,336	6,676	660	7,004	6,402	602	7,116	6,377	739	6,140	5,386	754	6,393	5,637	756
Part-time	1,185	1,118	67	1,425	1,332	93	1,589	1,477	112	2,625	2,453	172	4,794	4,481	313
Diploma Certificate	-	-	-	-	-	-	-	-	-	43	16	27	41	15	26
Full-time	-	-	-	-	-	-	-	-	-	43	16	27	41	15	26
Industrial Technician Certificate	1,177	1,030	147	1,076	934	142	1,187	1,024	163	1,736	1,545	191	980	865	115
Full-time	986	848	138	1,024	886	138	1,049	909	140	1,541	1,373	168	934	834	100
Part-time	191	182	9	52	48	4	138	115	23	195	172	23	46	31	15
National Trade Certificate (Grade 2)	506	471	35	485	412	73	473	407	66	461	424	37	1,920	1,738	182
Full-time	-	-	-	-	-	-	-	-	-	125	118	7	441	386	55
Part-time	506	471	35	485	412	73	473	407	66	336	306	30	1,479	1,352	127
National Trade Certificate (Grade 3)	5,792	5,322	470	6,176	5,712	464	6,749	6,151	598	6,139	5,515	624	7,698	7,002	696
Full-time	5,304	4,857	447	5,288	4,840	448	5,771	5,196	575	4,153	3,604	549	4,589	4,015	574
Part-time	488	465	23	888	872	16	978	955	23	1,986	1,911	75	3,019	2,987	122
Artisan Certificate/Certificate of Competency	1,046	971	75	692	676	16	296	272	24	386	339	47	548	498	50
Full-time	1,046	971	75	692	676	16	296	272	24	278	275	3	388	387	1
Part-time	-	-	-	-	-	-	-	-	-	108	64	44	160	111	49

Note: The Adult Education Board and Industrial Training Board were merged to form the Vocational and Industrial Training Board on 1 April 1979.

Source: Vocational and Industrial Training Board

Data on commercial and other part-time courses conducted by the Adult Education Board prior to 1979 are excluded. Such courses conducted by VITB in 1979 are also excluded.

14.15 OUTPUT OF VOCATIONAL AND INDUSTRIAL TRAINING INSTITUTES

Number

Course Level	1977			1978			1979			1980			1981		
	Total	Males	Females	Total	Males	Females	Total	Males	Females	Total	Males	Females	Total	Males	Females
Total	6,785	6,287	498	6,446	5,908	538	5,893	5,299	594	8,162	7,425	737	10,108	9,292	816
Full-time	5,646	5,203	443	5,611	5,120	491	5,022	4,476	546	5,227	4,609	618	4,909	4,400	509
Part-time	1,139	1,084	55	835	788	47	871	823	48	2,935	2,816	119	5,199	4,892	307
Industrial Technician Certificate	916	807	109	1,214	1,052	162	966	841	125	1,065	937	128	1,014	884	130
Full-time	839	739	100	1,010	868	142	883	762	121	970	848	122	985	858	127
Part-time	77	68	9	204	184	20	83	79	4	95	89	6	29	26	3
National Trade Certificate (Grade 2)	383	373	10	238	226	12	276	241	35	549	493	56	1,793	1,635	158
Full-time	-	-	-	-	-	-	-	-	-	14	14	-	225	188	37
Part-time	383	373	10	238	226	12	276	241	35	535	479	56	1,568	1,447	121
National Trade Certificate (Grade 3)	4,805	4,516	289	4,415	4,051	364	4,427	3,995	432	6,135	5,587	548	6,866	6,394	472
Full-time	4,147	3,894	253	4,022	3,673	349	3,915	3,492	423	3,830	3,339	491	3,394	3,065	329
Part-time	658	622	36	393	378	15	512	503	9	2,305	2,248	57	3,472	3,329	143
Artisan Certificate/Certificate of Competency	681	591	90	579	579	-	224	222	2	413	408	5	435	379	56
Full-time	660	570	90	579	579	-	224	222	2	413	408	5	305	289	16
Part-time	21	21	-	-	-	-	-	-	-	-	-	-	130	90	40

Note: See note to Table 14.14.

Source: Vocational and Industrial Training Board

14.16 GOVERNMENT EXPENDITURE ON EDUCATION

Thousand Dollars

	1971/72	1972/73	1973/74	1974/75	1975/76	1976/77	1977/78	1978/79	1979/80	1980/81	1981/82 ⁵
Total	200,478	210,298	264,877	334,462	391,264	405,872	415,823	459,105	556,419	686,379	984,568
Recurrent Expenditure	187,144	201,512	255,090	308,005	339,870	361,222	381,368	426,354	505,207	587,469	749,496
Primary Schools	80,895	85,443	95,175	119,000	129,351	133,386	139,734	156,499	186,266	210,143	252,054
Secondary Schools & Junior Colleges	44,466	46,488	62,280	80,004	88,900	95,146	103,200	119,794	181,545	211,841	273,344
Vocational & Industrial Training Board ¹	21,176	22,402	32,782	40,188	43,243	43,275	46,034	47,923	22,190	29,694	39,140
Tertiary	27,953	31,065	40,134	50,375	59,865	70,387	71,649	78,867	90,186	109,649	147,321
National University of Singapore ²	21,185	22,985	30,026	36,630	41,048	43,563	42,568	48,570	58,185	74,557	100,141
Institute of Education	2,568	2,630	3,593	5,785	6,487	9,113	11,043	10,257	7,831	11,089	12,300
Singapore Polytechnic & Ngee Ann Polytechnic ³	4,200	5,450	6,515	7,960	12,330	17,711	18,038	20,040	24,170	24,003	34,880
Adult Education	1,350	1,500	1,810	1,974	2,384	1,896	2,021	2,106	2,810	-	-
Others ⁴	11,304	14,614	22,909	16,464	16,127	17,132	18,730	21,165	22,210	26,142	37,637
Development Expenditure	13,334	8,786	9,787	26,457	51,394	44,650	34,455	32,751	51,212	98,910	235,072

1 Expenditure for 1980/81 was included under Ministry of Science and Technology.

Source: Ministry of Education

2 Figure for 1981/82 includes expenditure of Nanyang Technological Institute.

3 Figures for Ngee Ann Polytechnic were classified under others prior to 1975/76 and covered by the Ministry of Science and Technology during 1979/80 and 1980/81.

4 Includes Curriculum Development Institute of Singapore and Extra Curricular Activities Centre. Institute of Southeast Asia and HQ Expenditure are included from 1975/76.

5 Based on Budget estimates.

14.17 GENERAL LITERACY RATES BY AGE GROUP AND SEX, 1970 AND 1980

Percentage

Age Group (Years)	1970			1980		
	Total	Males	Females	Total	Males	Females
All Ages	72.2	83.8	60.1	84.0	91.5	76.2
10 - 14	86.7	87.7	85.6	91.9	91.2	92.7
15 - 19	90.1	92.3	87.8	96.6	96.4	96.9
20 - 24	86.1	91.5	80.6	95.9	96.4	95.5
25 - 29	77.0	88.3	65.6	94.6	96.5	92.5
30 - 34	69.6	85.4	53.7	91.2	95.8	86.4
35 - 39	61.6	80.7	41.0	84.3	93.9	74.3
40 - 44	59.9	80.6	35.9	77.6	91.5	63.4
45 - 49	57.5	79.9	31.2	68.1	86.9	48.5
50 - 54	51.8	76.6	23.9	63.6	84.7	40.9
55 - 59	44.9	70.2	17.4	59.6	82.3	35.2
60 - 64	37.9	62.0	12.8	52.4	77.4	27.5
65 & Over	27.3	50.6	8.9	37.8	64.9	15.8

14.18 PERSONS AGED 10 YEARS AND OVER BY AGE GROUP AND LITERACY, 1970 AND 1980

Number

Age Group (Years)	Languages Literate In						Not Literate	
	One Official Language Only		Two Or More Official Languages		Non-Official Languages			
	1970	1980	1970	1980	1970	1980	1970	1980
Total	904,422	1,039,344	214,751	628,789	6,351	8,275	432,994	319,970
10 - 14	210,879	104,159	39,356	111,886	161	535	38,451	18,976
15 - 19	172,725	133,193	49,081	144,072	168	515	24,443	9,640
20 - 24	133,854	156,119	41,189	126,527	369	1,523	28,323	12,023
25 - 29	80,516	147,529	21,139	91,043	560	1,177	30,530	13,782
30 - 34	74,937	131,318	19,353	59,929	633	1,205	41,458	18,588
35 - 39	55,357	85,544	13,311	27,961	834	916	43,393	21,346
40 - 44	48,738	77,921	10,583	23,575	1,056	552	40,500	29,427
45 - 49	38,020	57,299	7,963	15,259	996	446	34,767	34,241
50 - 54	30,775	47,292	5,456	11,475	698	486	34,294	33,883
55 - 59	25,251	34,514	3,610	7,651	465	388	36,039	28,831
60 - 64	16,393	26,361	1,956	4,673	213	256	30,361	28,418
65 & Over	16,977	38,095	1,754	4,738	198	276	50,435	70,815

The provision of health services by the Government in Singapore 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 Singapore Family Planning and Population Board provides family planning advice and facilities.

The Ministry of Health is providing four main services, namely, Primary Health Care Services, Hospital Services, Other Medical and Supporting Services, and Dental Services to the general public.

Primary Health Care Services

The Primary Health Care Services which include Outpatient,

Maternal and Child Health and School Health Services are provided at 27 outpatient dispensaries and 29 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 13 Government hospitals of which 6 are general hospitals providing multi-disciplinary treatment and 7 specialist hospitals providing specialist treatment in obstetrics and gynaecology, psychia-

try, skin and infectious diseases. In addition, there are 13 private hospitals catering for 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 133 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.

Family Planning

The Singapore Family Planning and Population Board (SFPPB) was established in January 1966. The Board is responsible for matters pertaining to family planning and the implementation of the Government's National Family Planning and Population Programme.

The Board provides facilities for the full range of family planning methods comprising oral contraceptive pill, condom, intra-uterine

contraceptive device (IUD), hormonal injection (Depoprovera), diaphragm and spermicide through a comprehensive

sive network of 29 Maternal and Child Health/Family Planning Clinics.

15.1 HOSPITALS, GOVERNMENT CLINICS AND DISPENSARIES

Year	Hospitals		Government Dental Clinics	Government Outpatient Clinics	Maternal and Child Health Clinics
	Government	Private			
1971	13	7	84	27	48
1972	13	7	91	26	46
1973	13	7	95	26	46
1974	14	7	102	26	45
1975	14	8	102	26	39
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	27	29

Source: Ministry of Health

15.2 REGISTERED MEDICAL PERSONNEL

Number

Year	Doctors		Dentists		Pharmacists		Nurses ¹		Midwives ¹	
	Government	Private	Government	Private	Government	Private	Government	Private	Government	Private
1971	590	930	111	295	53	220	3,089	1,483	1,521	715
1972	584	893	106	302	46	218	3,244	1,178	1,630	548
1973	706	859	114	295	60	231	3,480	1,943	1,696	621
1974	774	812	131	291	60	277	3,878	1,853	1,833	600
1975	775	847	130	289	61	227	4,103	1,664	1,863	606
1976	740	965	131	302	60	238	4,393	1,567	1,770	770
1977	752	1,095	133	331	64	254	4,904	1,910	1,949	703
1978	781	1,079	154	322	60	270	5,174	1,895	1,970	755
1979	806	1,046	157	336	62	289	5,063	2,342	1,803	928
1980	855	1,121	161	324	58	310	4,836	2,709	1,758	1,008
1981	914	1,177	166	335	58	300	4,729	2,511	1,701	990

¹ Include midwives who are registered nurses and vice versa.

Source: Ministry of Health

15.3 GOVERNMENT HOSPITAL BEDS

Number

	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
Total	7,346	7,981	8,031	7,872	8,005	8,609	8,574	8,493	8,485	8,078	8,365
General Hospitals											
Alexandra Hospital	217	282	380	372	438	479	479	483	503	503	503
Changi Hospital ¹	-	-	-	36	36	180	180	180	180	202	202
Sembawang Hospital	34	64	64	64	64	64	64	64	64	64	64
Singapore General Hospital	1,491	1,521	1,521	1,521	1,521	1,521	1,521	1,521	1,459	1,397	1,651
Tan Tock Seng Hospital	1,304	1,303	1,303	1,303	1,369	1,369	1,358	1,311	1,345	1,335	1,337
Toa Payoh Hospital	344	384	384	384	388	410	410	412	412	412	418
Specialised Hospitals											
Kandang Kerbau Hospital ²	554	553	560	560	560	751	727	687	687	687	687
St Andrew's Hospital	120	120	120	120	120	120	120	120	120	80	80
Middleton Hospital	272	273	272	272	272	272	272	272	272	272	272
Middle Road Hospital	51	51	51	47	44	-	-	-	-	-	-
Trafalgar Hospital	785	785	731	731	731	731	731	731	731	434	319
Woodbridge Hospital ³	2,174	2,645	2,645	2,462	2,462	2,462	2,462	2,462	2,462	2,442	2,582
View Road Hospital	-	-	-	-	-	250	250	250	250	250	250

1 Known as Changi Chalet Hospital prior to 1976.

2 Figures prior to 1976 exclude neonatal beds.

3 Includes Mental Defective Unit and Chronic Sick Unit.

Source: Ministry of Health

15.4 ADMISSIONS IN GOVERNMENT HOSPITALS

Number

	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
Total	146,714	154,849	159,971	156,760	164,205	184,146	190,332	209,130	234,328	234,502	230,330
Alexandra Hospital	955	8,094	11,666	13,897	20,159	23,983	24,095	28,339	33,089	34,841	33,056
Changi Hospital	-	-	-	-	71	597	1,853	2,520	3,157	4,113	5,289
Sembawang Hospital	109	593	775	989	1,115	1,090	874	745	994	1,076	1,078
Singapore General Hospital	61,939	60,144	63,709	58,306	53,956	53,515	54,444	53,036	60,208	58,637	54,655
Tan Tock Seng Hospital	8,663	8,592	9,271	9,558	13,019	15,014	19,490	28,590	37,789	37,680	35,961
Toa Payoh Hospital	21,753	23,524	22,226	21,635	21,819	25,193	25,245	26,740	30,414	31,937	31,852
Kandang Kerbau Hospital	46,167	46,522	45,244	43,391	40,028	54,052	49,879	53,451	55,236	53,437	53,904
St Andrew's Hospital	399	339	333	301	226	251	219	265	180	192	152
Middle Road Hospital	906	875	655	666	627	-	-	-	-	-	-
Middleton Hospital	2,743	3,474	3,118	4,953	9,974	6,591	9,619	10,634	7,965	6,748	8,657
Trafalgar Hospital	250	235	213	223	252	228	238	223	200	162	136
Woodbridge Hospital ¹	2,830	2,457	2,761	2,841	2,872	3,478	4,304	4,534	5,043	5,576	5,462
View Road Hospital	-	-	-	-	87	154	72	53	53	103	128

1. Includes Mental Defective Unit and Chronic Sick Unit.

Source: Ministry of Health

15.5 VISITS TO OUTPATIENT CLINICS

Year	Total	Outpatient Dispensaries	Sunday/Holiday Clinics	Island Dispensaries	Number	
					Mobile Dispensaries ¹	Institutional Dispensaries
1971	2,171,051	2,014,696	23,343	14,996	16,324	101,692
1972	2,222,336	2,056,250	24,948	10,252	15,234	115,652
1973	2,363,451	2,192,977	22,067	11,812	8,955	127,640
1974	2,204,809	2,033,327	19,652	6,129	9,140	136,561
1975	2,473,891	2,291,578	21,928	7,703	12,112	140,570
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	2,832,641	24,398	2,322	-	58,193
1981	2,833,394	2,756,642	22,880	2,792	-	51,080

¹ Closed with effect from 31 December 1977.

Source: Ministry of Health

15.6 VISITS TO GOVERNMENT DENTAL CLINICS

Year	Number			
	Total	School	Hospital	Outpatient Clinic
1971	591,457	438,683	110,619	42,155
1972	596,714	436,132	116,369	44,213
1973	650,509	465,435	127,456	57,618
1974	698,114	473,233	139,460	85,421
1975	757,026	485,076	164,431	107,519
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

Source: Ministry of Health

15.7 MATERNITY SERVICES

Number

Year	Maternal and Child Health Clinics			Government Hospitals	
	Ante-natal and Post-natal Attendances	Home Deliveries	Home Visit to Puerperal Mothers by Nurses and Midwives	Ante-natal and Post-natal Attendances	Deliveries
1971	142,424	271	239,073	..	37,077
1972	158,686	52	256,987	..	40,401
1973	151,647	47	215,596	..	39,968
1974	107,915	33	183,565	157,556	35,301
1975	99,687	13	173,217	146,540	33,362
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

Source: Ministry of Health

15.8' NOTIFICATIONS OF SPECIFIC NOTIFIABLE DISEASES

Number

Year	Cholera	Dengue/ DHF ¹	Diphtheria	Enteric Fever ²	Leprosy	Malaria	Polio- myelitis	Tuber- culosis	Viral Hepatitis ³	Viral Encephalitis ³
1971	-	19	24	224	190	357	2	3,407	-	-
1972	114	12	7	167	148	302	2	3,109	-	-
1973	1	1,255	5	154	96	347	1	3,037	-	-
1974	8	229	4	301	122	417	-	3,451	-	-
1975	10	59	-	513	93	443	-	3,097	-	-
1976	-	30	-	141	102	251	1	2,815	-	-
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	-	2,389*	425	27

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 Typhoid and Paratyphoid.

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

15.9 VACCINATION AND IMMUNIZATION OF PRE-SCHOOL CHILDREN

Thousand Doses

	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
BCG Vaccination	43.0	45.6	44.2	39.3	36.1	38.2	34.2	34.6	35.3	35.0	35.2
Smallpox Vaccination	35.8	38.0	39.6	37.5	35.1	36.3	33.0	31.6	32.4	31.5	10.6
Diphtheria Immunization											
Diphtheria Tetanus											
1st Dose	7.6	6.6	5.5	5.0	4.0	3.0	2.2	2.0	1.8	1.7	1.4
2nd Dose	7.5	6.2	5.1	5.0	4.0	3.0	2.1	2.1	1.8	1.9	1.6
Boosters	46.8	44.9	47.2	54.5	47.4	20.4	14.5	14.2	11.9	10.8	10.0
Triple Antigen											
1st Dose	37.8	41.1	41.1	36.5	32.5	33.2	32.8	30.0	31.1	29.8	31.6
2nd Dose	35.7	39.5	39.0	35.5	31.7	31.4	31.7	28.4	29.5	28.3	30.0
3rd Dose	35.2	38.8	38.6	36.1	31.3	30.2	31.3	27.8	28.5	27.6	29.0
Boosters	11.9	13.6	15.3	7.2	8.8	20.9	19.8	21.4	20.2	20.2	19.6
Poliomyelitis Immunization											
1st Dose	44.3	46.7	45.8	40.7	35.8	35.6	34.5	31.6	32.5	31.2	32.8
2nd Dose	43.1	46.0	43.7	40.5	36.1	34.2	33.8	30.5	31.3	30.1	31.7
3rd Dose	43.4	45.8	44.0	41.6	35.8	33.6	34.0	30.2	30.8	30.0	31.3
Boosters	58.3	57.4	62.2	62.1	63.9	67.3	59.4	62.7	58.4	55.7	54.4
Measles	-	-	-	-	-	3.4	10.3	9.2	10.0	18.0	22.2

Source: Ministry of Health

15.10 VACCINATION AND IMMUNIZATION OF SCHOOL CHILDREN

Thousand Doses

	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
BCG Vaccination	23.6	22.4	21.4	31.1	31.4	31.1	26.1	30.9	29.8	27.4	29.5
Smallpox Revaccination	51.6	47.6	46.4	44.3	41.8	37.4	43.5	40.0	43.5	42.9	11.4
Diphtheria Tetanus											
1st Dose	3.3	2.9	1.8	1.2	1.0	0.6	0.9	0.4	0.4	0.5	0.4
2nd Dose	3.3	2.3	1.6	1.2	0.9	0.5	0.8	0.4	0.4	0.4	0.4
Boosters	24.5	23.2	23.3	21.1	19.6	119.3	99.6	118.0	120.4	111.8	109.7
Poliomyelitis Immunization											
1st Dose	33.9	41.1	38.2	35.3	29.0	1.1	1.2	0.5	0.5	0.5	0.4
2nd Dose	36.7	40.3	38.9	36.7	33.2	1.1	1.3	0.6	0.5	0.4	0.4
3rd Dose	-	-	-	-	-	0.5	1.4	0.7	0.6	0.6	0.5
Boosters	-	-	-	-	-	125.8	98.7	102.6	104.5	97.7	101.7
Rubella	-	-	-	-	-	9.8	20.1	20.9	36.3	26.9	17.7

Source: Ministry of Health

15.11 STUDENT MEDICAL CHECK-UP

Thousand

	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
Total	181.1	140.1	180.6	217.8	184.6	220.3	205.4	214.2	214.7	218.5	225.3
By Category:											
New Entrants	54.1	36.4	41.0	45.8	41.3	41.6	43.6	44.4	46.5	45.8	41.9
Primary School Leavers	57.1	40.9	48.0	54.4	49.8	51.8	39.2	44.0	42.9	40.3	37.2
Secondary School Leavers	25.7	21.2	24.3	30.8	17.0	36.9	17.1	18.0	17.8	15.2	15.0
Re-examination	41.3	41.0	48.0	66.8	73.5	85.5	103.0	106.9	106.3	115.1	130.2
Others	2.9	0.6	19.3	20.0	3.0	4.5	2.5	0.9	1.2	2.0	1.0
By Sex:											
Males	85.0	60.3	76.2	106.0	84.6	109.8	96.3	100.3	98.8	101.9	106.1
Females	96.1	79.8	104.4	111.8	100.0	110.5	109.1	113.9	115.9	116.6	119.2

Source: Ministry of Health

15.12 RESULTS OF STUDENT MEDICAL CHECK-UP

	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
Per 10,000 Males Examined											
Incidence of:											
Dental Caries	2,725	2,628	1,953	1,661	1,623	1,566	1,741	1,421	1,286	1,109	968
Skin Infection	641	559	306	253	218	332	81	129	253	282	275
Eyes: Infection	30	53	5	2	7	3	2	33	73	114	101
Defective Vision	1,722	2,251	1,766	2,844	3,295	2,722	2,382	2,476	2,885	2,939	3,114
ENT : Deafness	-	-	2	2	4	1	2	9	7	12	22
Ear Infections	8	43	12	7	6	3	2	27	73	3	-
Cardiac Disease	134	171	69	52	86	92	141	206	202	191	240
Respiratory Infection	79	57	9	24	7	11	1	6	7	8	39
Genito - Urinary	716	793	557	590	572	280	442	717	606	786	741
Anaemia (Under 60% Haemoglobin)	16	7	5	7	2	1	1	2	3	2	5
Worm Infestation	77	93	6	39	6	1	2	1	4	-	2
Others ¹	139	339	102	173	220	103	193	141	110	110	144
Per 10,000 Females Examined											
Incidence of:											
Dental Caries	2,300	1,740	1,687	1,300	1,093	1,175	1,199	892	912	938	636
Skin Infection	970	508	424	189	313	279	231	237	358	295	341
Eyes: Infection	58	64	9	3	6	1	1	15	107	23	27
Defective Vision	2,640	2,832	2,111	3,080	4,064	3,257	3,439	3,433	3,851	3,779	4,158
ENT : Deafness	-	-	1	2	3	2	1	8	8	12	13
Ear Infections	19	23	11	6	3	3	1	64	107	1	-
Cardiac Disease	49	38	62	53	50	90	86	206	198	231	190
Respiratory Infection	102	78	52	37	8	18	2	6	5	6	60
Genito - Urinary	47	38	67	36	31	14	18	22	4	5	3
Anaemia (Under 60% Haemoglobin)	5	4	6	4	3	1	3	2	2	2	2
Worm Infestation	336	188	132	56	8	6	8	6	2	-	1
Others ¹	140	171	71	128	216	137	187	107	97	124	210

1 Include postural defects, cleft palate, musculo skeletal deformities and mental disorders.

Source: Ministry of Health

15.13 FAMILY PLANNING

Number

Year	Visits to Government Family Planning Clinics							Sterilization		
	Total	First Visit			Re-visits			Total	Females	Males
		Contraceptive Pill	Condom	Others	Contraceptive Pill	Condom	Others			
1971	393,379	9,462	7,398	889	291,687	64,582	19,361	3,970	3,871	99
1972	389,185	9,670	7,343	653	282,506	70,516	18,497	6,189	5,842	347
1973	404,504	10,739	7,884	479	287,330	80,219	17,853	9,338	8,964	374
1974	391,237	10,700	7,245	347	274,627	82,198	16,120	9,567	9,241	326
1975	376,525	9,388	7,023	281	259,048	84,541	16,244	9,948	9,495	453
1976	361,385	8,952	8,477	245	236,676	90,128	16,907	10,718	10,310	408
1977	339,965	7,503	8,354	301	212,152	94,598	17,057	8,587	8,236	351
1978	308,769	6,229	8,730	233	186,829	90,010	16,738	7,787	7,447	340
1979	283,954	5,779	9,180	307	164,827	88,032	15,829	7,263	6,768	495
1980	269,294	5,539	9,166	304	152,557	85,740	15,988	6,939	6,486	453
1981	250,075	5,068	9,165	301	136,611	83,420	15,510	6,798	6,312	486

Source: Singapore Family Planning & Population Board

15.14 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							
1970	23,682	34,697	33,046	19,317	1,466	-	3,600	7,570	49	1,044
1971	26,434	37,230	34,994	20,914	1,463	-	4,336	7,381	135	765
1972	29,231	40,117	37,359	20,187	1,901	1,233	5,559	7,277	65	1,137
1973	30,909	43,832	40,432	20,982	2,654	2,099	5,943	7,313	105	1,336
1974	36,982	46,375	40,632	20,296	3,409	2,277	5,576	7,556	163	1,355
1975	31,457	44,010	40,354	18,141	5,396	3,066	6,011	5,561	254	1,925
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	4,988

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

Source: Ministry of Health

Radio and Television

The Singapore Broadcasting Corporation (SBC) was established on 1 February 1980 to take over the Broadcasting Department's function of providing radio and television services Educational and entertainment programmes as well as other types of information are transmitted in four official languages, namely, Malay, Chinese, Tamil and English. Commercial broadcasting is also incorporated in the services.

SBC operates five radio services - one for each official language and a fifth, the bilingual English/Mandarin FM stereo service. The English and Chinese services have been put on stereo with effect from 1 January 1982. For the Malay and Indian services, the number of hours devoted to stereo programmes

have been increased. Broadcasts in each language service are carried simultaneously on medium wave and FM, as well as on shortwave for overseas listeners.

Television was introduced in Singapore on a single channel on 15 February 1963. A second channel was started on 23 November, 1963. Colour transmission began in mid-1974 and by the end of 1976, both the networks had been fully converted to colour.

Programmes are transmitted on two channels in four official languages and are usually subtitled in one other language to cater for a greater number of viewers.

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 TV set, \$54 for a colour set and \$12 for a radio receiver only.

The Rediffusion Services, a private undertaking, provides direct sound broadcasts via cable to subscribers. The monthly rental fee to subscribers is \$8.50 per set.

Cinema

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

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. In addition to the central library at Stamford Road, there are full-time branch libraries in Marine Parade, Queenstown and Toa Payoh; part-time branch libraries in Bedok, Whampoa and Jurong and two mobile library vehicles providing weekly services to 10 community centres.

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, etc. The Library also has a microfilm unit and many documents and publications are on microfilm and microfiche.

16.1 RADIO AND TELEVISION LICENCES AND REDIFFUSION SUBSCRIBERS

Number

End of Year	Radio Licences	Radio and Television Licences	Rediffusion Subscribers
1971	75,586	179,178	63,791
1972	70,548	204,847	68,903
1973	69,966	230,652	74,689
1974	67,808	252,207	82,202
1975	64,211	280,479	85,567
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

Source: Inland Revenue Department
Singapore Broadcasting Corporation
Rediffusion Singapore Pte Ltd

16.2 RADIO AND TELEVISION TRANSMISSION

Hours Per Week

Year	Radio						Television
	Total	AM/FM				FM Stereo	
		Malay	Chinese	Indian	English		
1971	581	133	154	112	126	56	106.5
1972	581	133	154	112	126	56	106.5
1973	581	133	154	112	126	56	106.5
1974	560	126	147	105	126	56	106.5
1975	560	126	147	105	126	56	106.5
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

Source: Singapore Broadcasting Corporation

16.3 CINEMAS

Year	Cinemas			Total Seating Capacity	Attendances
	Total	Air Conditioned	Other		
	Number			Thousand	
1971	71	39	32	55	32,186
1972	74	44	30	59	36,723
1973	72	52	20	61	31,877
1974	73	52	21	62	40,068
1975	71	50	21	60	41,306
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

Source: Customs & Excise Department

16.4 BOOKS AT THE NATIONAL LIBRARY

Year	Number				
	Total	Malay	Chinese	Indian	English
1971	520,280	66,363	139,922	38,422	275,573
1972	585,097	77,371	153,532	43,916	310,278
1973	702,696	90,238	195,915	57,537	359,006
1974	784,660	103,777	224,518	61,841	394,524
1975	877,207	116,603	254,537	69,849	436,218
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	142,247	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

Source: Singapore National Library

16.5 NATIONAL LIBRARY MEMBERSHIP

Number

Year	Total	Persons Aged 15 Years and Over	Children Under 15 Years
1971	198,493	69,724	128,769
1972	218,684	79,555	139,129
1973	236,967	93,270	143,697
1974	275,984	112,639	163,345
1975	296,299	129,457	166,842
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

Source: Singapore National Library

16.6 DAILY NEWSPAPERS CIRCULATION

					Number
Year	Total	English	Chinese	Malay	Others
1971	422,649	184,323	219,070	12,054	7,202
1972	391,966	140,541	228,552	15,906	6,967
1973	441,806	161,479	252,487	19,989	7,851
1974	422,460	168,038	223,292	23,238	7,892
1975	449,001	187,278	227,307	26,453	7,963
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

PUBLICATIONS BY DEPARTMENT OF STATISTICS

TITLES		Prices in S\$ (excluding postage)
1	Monthly Digest of Statistics	3.50
2	Yearbook of Statistics, 1981/82	5.00
3	Singapore Statistical Charts, 1981/82	11.00
*4	Singapore Annual Key Indicators, 1972-1981	2.10
5	Singapore Trade Statistics, Imports & Exports (Monthly) (w.e.f. January 1980)	23.00
6	Report on the Census of Industrial Production, 1980	8.00
7	Singapore Manufacturers and Products Directory, 1980	8.00
8	Report on the Census of Population, 1970, Singapore Volume I & II	40.00
9	The Consumer Price Index, Singapore (Based on Household Expenditure Survey, 1972/73)	2.00
10	Report on the Household Expenditure Survey, 1972/73	3.50
11	The General Wholesale Price Index of Singapore	2.00
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22	Report on the Census of Services, 1974 Volume I Real Estate, Business, Social and Personal Services	3.00
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27	Report on the Survey of Services, 1978	9.50
28	Report on the Survey of Wholesale and Retail Trades, Restaurants and Hotels, 1979	7.00
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