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YEARBOOK OF STATISTICS SINGAPORE 1980/81

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CHIEF STATISTICIAN
DEPARTMENT OF STATISTICS
SINGAPORE

PREFACE

The Yearbook of Statistics, Singapore, 1980/81 is the fourteenth 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 developments in Singapore.

The Department of Statistics also publishes the Singapore Statistical Charts, 1980/81 which highlights various socio-economic trends in Singapore in the form of coloured graphs and charts. This Yearbook together with 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 compiled from series kept 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.

KHOO CHIAN KIM
CHIEF STATISTICIAN
DEPARTMENT OF STATISTICS
SINGAPORE

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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	=	milimetre = 0.03937 in
kl	=	kilolitre = 219.976 gal
cu m	=	cubic metre = 1.30795 cu yd

KEY INDICATORS

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									
1970	5,861.1	2,405	1,129.7	2,244.5	5,579.3	1,712.0	4,544.5	671.8	3,872.7	4,627.2	43.0
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	17,438.5	6,016	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	19,423.0	6,417	5,732.7	7,687.7	12,114.1	3,601.2	8,620.6	1,234.9	7,385.7	26,493.9	115.1
1980*	22,216.7	7,167	6,310.2	9,688.4	13,349.9	4,284.0	9,403.3	1,382.4	8,020.9	35,531.9	129.2

¹ Establishments engaging 10 or more workers.

GROWTH RATES IN ECONOMIC INDICATORS

Per Cent

Year	National Income									Industrial Production	
	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						
1970	14.8	9.9	16.1	56.1	13.7	33.1	13.8	21.5	12.5	7.8	..
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	10.5	5.9	8.6	18.8	8.6	10.5	8.4	12.9	7.7	12.0	11.6
1979	11.4	6.7	16.0	21.2	9.4	10.4	6.2	-1.4	7.6	29.3	15.1
1980*	14.4	11.7	10.1	26.0	10.2	19.0	9.1	11.9	8.6	34.1	12.3

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			
1970	2,481	3,620	1,819	2,205.2	264.5	165.5	12,289.6	7,533.8	4,755.8	1,832.2	2,923.6
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	5,518	11,059	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	4,833	10,160	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	5,350	10,969	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	5,648	12,067	4,550	6,940.5	614.1	258.1	92,797.1	51,344.8	41,452.3	25,805.2	15,647.1

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
1970	25.1	27.5	13.1	17.5	6.6	5.7	11.9	20.7	0.3	9.4	-4.6
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	3.0	3.2	-0.9	11.1	6.7	6.2	18.0	13.9	23.5	24.5	22.2
1978	-12.4	-8.1	10.6	15.3	10.6	6.5	15.3	16.0	14.4	13.5	15.7
1979	10.7	8.0	-20.8	9.3	10.8	6.2	27.9	29.5	34.6	37.6	30.5
1980	5.6	10.0	0.2	7.6	2.8	7.8	34.0	33.9	34.0	41.8	22.8

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		
1970	43,534.0	16,255.8	27,278.2	21,064	12,821	8,243	136	255	-1,750.8	2,315.6	564.8
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	-1,955.0	3,092.3	1,137.3
1980	80,962.5	32,412.5	48,550.0	181,775	91,062	90,713	7,354	3,535	-3,378.2*	4,814.0*	1,435.8*

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					
1970	11.2	2.5	17.1	41.0	48.8	30.3	40.2	40.1	-199.1	163.8	93.2
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	-39.3	6.1	-24.8
1980	1.4	3.3	0.3	15.0	14.1	15.9	36.6	42.0	-72.8*	55.7*	26.2*

ECONOMIC INDICATORS (continued)

Year	Money Supply (Ml)	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	
1970	1,574.3	3,097.9	4.93	5,041.6	3,194.9	2,722.1	8.00	6.00	389.8	..	..
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

⁴ Include bills financing.

GROWTH RATES IN ECONOMIC INDICATORS (continued)

Per Cent

Year	Money Supply (M1)	Official Foreign Reserves	Commercial Banks					Asian Currency Units	Merchant Banks	Discount Houses
			Total Assets/Liabilities	Deposits of Non-bank Customers	Advances to Non-bank Customers	Prime Lending Rate	12 Months' Deposit Rate			
1970	17.3	22.4	18.0	16.4	23.0	..	..	217.1	..	..
1971	11.8	32.2	20.3	17.2	16.4	..	..	172.6	..	..
1972	35.6	20.4	26.1	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

ECONOMIC INDICATORS (continued)

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 ⁵	Net Claims ⁶
								Number	Amount Insured		
\$ Million						Million Units	Number	\$ Million			
1970	400.0	74.1	90.8	72.7	777.5	746.9	454.5	66,661	627.8	68.0	23.4
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	2,121.2	537.4	637.2	2,756.7	9,551.2	7,806.1	2,183.6	..	..	..	..

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		
1970	31.9	42.2	20.3	26.0	23.0	-34.4	-22.5	6.8	19.1	20.6	21.9
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	..	..	..	..

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 ⁸	Hotel
			Total	Domestic	External					Arrivals by Air and Sea	Occupancy Rate
										\$ Million	Per Cent
1970	1,333.0	1,254.1	2,016.6	1,842.8	173.8	0.6	61.5	..	104.0	521.7	70.7
1971	1,680.6	1,519.2	2,734.0	2,487.1	246.9	0.6	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	2.2	101.9	111.6	159.2	1,831.7	86.5
1979	5,232.5	4,868.3	12,401.6	11,419.8	981.8	1.3	106.0	127.7	162.2	2,003.0	85.4
1980	6,616.3*	6,305.8*	14,674.5	13,732.5	942.0	1.1*	115.0	152.7	168.1*	2,287.0	86.1

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 prior to 1978 exclude Malaysian visitors embarking direct from Peninsular Malaysia.

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 ⁹ Arrivals by Air and Sea	Hotel Occupancy Rate
			Total	Domestic	External					
1970	na	na	15.0	11.7	68.6	0.4	..	1.7	27.6	-3.8
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	1.6	21.6	3.8
1979	20.3	17.0	16.0	18.0	-3.8	4.0	14.4	1.9	9.4	-1.3
1980	26.4*	29.5*	18.3	20.3	-4.1	8.5	19.6	3.6*	14.2	0.8

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	
1970	2,074.5	1.7	3,538	72.8	8.6	22.1	5.2	20.5	3,086	1,500
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

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		Literacy Rate ⁵	Passes at		Per Capita Government Expenditure on Education ⁶
	Primary	Secondary		Primary ³	Secondary ⁴		GCE 'O' Level	GCE 'A' Level	
	Number			Per Cent					\$
1970	30	22	3,707	81.4	43.4	72.2	60.0	59.6	89
1971	30	23	4,096	83.4	45.6	73.3	53.3	60.7	95
1972	33	25	4,261	84.0	46.9	74.4	55.3	63.0	98
1973	29	23	4,119	85.1	49.7	75.6	55.8	60.6	121
1974	29	23	4,547	85.9	49.5	76.7	56.4	58.3	150
1975	29	23	5,189	86.8	50.2	77.9	60.2	65.6	173
1976	28	23	4,629	85.3	51.0	79.1	59.9	64.3	177
1977	28	23	5,732	83.8	51.8	80.3	61.7	61.5	179
1978	27	23	6,029	82.4	53.3	81.5	62.3	60.3	195
1979	27	21	6,576	82.7	53.8	82.8	65.1	63.4	233
1980	26	21	5,718	85.0	52.4	84.0	68.6	67.9	283

3 Primary students aged 5-11 years divided by population of same age group.

4 Secondary students aged 12-17 years divided by population of same age group.

5 Refers to population 10 years and over.

6 For financial year beginning 1 April.

SOCIAL INDICATORS (continued)

Year	Employment				Health			
	Labour Force (15-64 Years)	Unemployment 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
1970	693	6.0	53.8	17.3	40	1,522	5,212	301
1971	726	4.8	57.3	18.0	41	1,390	5,204	288
1972	761	4.7	70.4	23.0	47	1,457	5,276	270
1973	818	4.5	74.5	24.5	47	1,401	5,362	273
1974	836	4.0	74.5	25.4	56	1,406	5,284	283
1975	852	4.5	76.0	25.7	63	1,395	5,400	283
1976	885	4.5	76.6	26.3	64	1,345	5,296	266
1977	919	3.9	77.7	25.9	68	1,259	5,011	271
1978	975	3.6	79.9	25.2	76	1,265	4,945	277
1979	1,035	3.4	80.5	25.0	84	1,287	4,835	281
1980	1,093	3.5	79.0	23.1	97	1,222	4,977	299

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
1970	200	14.6	4.7	13	76	78	705	15
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	164	291	371	16

SOCIAL INDICATORS (continued)

Year	Public Housing				Fire		Offences Against Persons and Property
	HDB Flats		Per Cent of Population Living in Public Housing		Number	Value of Pro- perty Damaged	
	Total Number	Per Cent Owner-occupied	HDB Flats	Owner-occupied HDB Flats		\$ Million	Per 10,000 Population
1970	118,544	26.3	34.6	9.1	1,759	4.0	68
1971	126,710	29.4	37.4	11.0	1,984	6.2	79
1972	138,027	32.6	41.6	13.6	2,466	30.6	67
1973	161,312	36.4	42.7	16.2	1,987	7.9	70
1974	185,581	39.7	45.6	18.5	2,110	29.7	74
1975	211,079	42.8	50.0	21.4	2,384	15.1	67
1976	236,966	46.7	55.0	25.7	4,165	19.3	63
1977	274,048	53.0	59.0	31.3	3,804	18.9	71
1978	305,540	55.0	64.0	35.2	4,174	27.2	71
1979	328,562	58.2	66.0	38.4	4,983	70.4	80
1980	346,371	61.8	68.0	42.0	4,705	24.1	91

1. CLIMATE AND LAND USE

The Republic of Singapore is situated in the centre of the Malay-
an 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 inter-
national centre in finance, trans-
port 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 depo-
sits of granite in Bukit Timah,

Bukit Panjang, Bukit Mandai and
Bukit Batok; and the western undula-
ting area comprising Mount Faber
Ridge and Pasir Panjang Ridge with
Kranji River flowing into the Johore
Straits and Jurong River into the
Singapore Straits; and the eastern
coastal area consisting of fertile
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 parti-
cularly wet during the Northeast
Monsoon season from November to
January.

Land Use

Of the total land area, about 45 per cent has been developed for residential, commercial and industrial usage and another 13 per cent used for agriculture. The balance which account for 42 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 monitored the quality of ambient air in 1980 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, and they increase during the inter-monsoon periods (April-May, 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	
1970	30.7	23.6	74	2,277	84	192	5.4
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

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
1970	586.4	189.9	134.0	95.8	32.4	32.4	101.9
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

1 Include new industrial sites.

Source: Survey Department

2 Refer to farm holding area of 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.

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	22	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

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.

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 22.1 per thousand population in 1970 to 17.1 per thousand in 1980. The crude death rate, on the other hand, has remained stable; between 5.0 and 5.5 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 1970-1980. The steepest declines occurred in age groups 25-29 and 20-24 years where the age specific fertility rate fell from 208.8 and 139.0 in 1970 to 137.3 and 79.9 respectively in 1980. 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 3,086 per thousand in 1970 to 1,737 per thousand in 1980.

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 married under the Women's Charter declined marginally from 28.1 to 27.9 years while that for the brides increased from 24.1 to 24.7 years during the period 1970-1980.

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 fell slightly from 27.7 years in 1970 to 27.3 years in 1980 while that of brides increased from 22.3 to 23.8 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

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

2.2 POPULATION BY AGE GROUP AND ETHNIC GROUP, 1970 CENSUS

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	2,074.5	1,062.1	1,012.4	311.4	158.4	153.0	1,579.9	796.5	783.4	145.1	87.5	57.6	38.1	19.7	18.4
0 - 4	235.5	121.1	114.4	44.8	22.6	22.2	170.6	88.2	82.4	15.9	8.1	7.8	4.2	2.2	2.0
5 - 9	280.5	143.9	136.6	52.8	26.8	26.0	203.8	105.0	98.8	19.5	9.9	9.6	4.4	2.2	2.2
10 - 14	288.8	148.5	140.3	46.7	23.6	23.1	219.3	113.0	106.3	19.1	10.0	9.1	3.7	1.9	1.8
15 - 19	246.4	126.3	120.1	35.9	17.9	18.0	192.9	99.4	93.5	14.5	7.5	7.0	3.1	1.5	1.6
20 - 24	203.7	103.2	100.5	27.0	13.4	13.6	162.0	82.4	79.6	11.5	5.9	5.6	3.2	1.5	1.7
25 - 29	132.8	66.6	66.2	16.7	7.9	8.8	105.0	52.8	52.2	8.1	4.5	3.6	3.0	1.4	1.6
30 - 34	136.3	68.4	67.9	19.4	9.1	10.3	104.7	52.9	51.8	8.8	4.7	4.1	3.4	1.7	1.7
35 - 39	113.0	58.5	54.5	16.1	7.9	8.2	83.9	42.2	41.7	9.9	6.7	3.2	3.1	1.7	1.4
40 - 44	100.8	54.0	46.8	15.5	8.7	6.8	71.4	35.2	36.2	11.1	8.5	2.6	2.8	1.6	1.2
45 - 49	81.8	44.2	37.6	12.2	7.1	5.1	57.5	27.8	29.7	9.8	7.9	1.9	2.3	1.4	0.9
50 - 54	71.3	37.8	33.5	8.5	4.9	3.6	53.9	25.9	28.0	7.2	6.0	1.2	1.7	1.0	0.7
55 - 59	65.3	34.0	31.3	6.2	3.4	2.8	53.1	26.0	27.1	4.9	4.0	0.9	1.1	0.6	0.5
60 - 64	48.9	25.0	23.9	4.3	2.3	2.0	41.4	20.3	21.1	2.4	2.0	0.4	0.8	0.4	0.4
65 - 69	33.5	16.5	17.0	2.6	1.5	1.1	28.9	13.6	15.3	1.4	1.1	0.3	0.6	0.3	0.3
70 & Over	35.9	14.1	21.8	2.7	1.3	1.4	31.5	11.8	19.7	1.0	0.7	0.3	0.7	0.3	0.4
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	100.0	100.0	100.0	100.0
0 - 19	50.7	50.8	50.5	57.9	57.4	58.4	49.8	50.9	48.6	47.6	40.6	58.2	40.4	39.6	41.3
20 - 39	28.2	28.0	28.6	25.4	24.2	26.7	28.8	28.9	28.8	26.4	24.9	28.6	33.3	32.0	34.8
40 - 59	15.4	16.0	14.7	13.6	15.2	12.0	14.9	14.4	15.4	22.7	30.2	11.5	20.8	23.3	17.9
60 & Over	5.7	5.2	6.2	3.1	3.2	2.9	6.5	5.8	7.2	3.3	4.3	1.7	5.5	5.1	6.0

2.3 POPULATION BY AGE GROUP AND ETHNIC GROUP, 1980 CENSUS

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	2,413.9	1,231.7	1,182.2	351.5	181.9	169.6	1,856.2	935.0	921.2	154.6	88.0	66.6	51.6	26.8	24.8
0 - 4	193.7	100.9	92.8	30.4	15.8	14.6	148.4	77.4	71.0	10.3	5.3	5.0	4.6	2.4	2.2
5 - 9	223.9	115.8	108.1	34.7	17.8	16.9	171.8	89.0	82.8	12.4	6.4	6.0	5.0	2.6	2.4
10 - 14	235.5	120.8	114.7	40.7	20.5	20.2	175.0	90.2	84.8	15.6	8.0	7.6	4.2	2.1	2.1
15 - 19	287.4	148.2	139.2	51.7	27.2	24.5	212.7	109.3	103.4	19.3	10.0	9.3	3.7	1.7	2.0
20 - 24	296.2	152.8	143.4	46.7	24.8	21.9	225.5	115.3	110.2	19.6	10.8	8.8	4.4	1.9	2.5
25 - 29	253.5	129.4	124.1	35.0	18.0	17.0	198.0	100.8	97.2	15.4	8.3	7.1	5.1	2.3	2.8
30 - 34	211.1	107.4	103.7	25.8	13.1	12.7	166.5	84.5	82.0	12.2	6.4	5.8	6.6	3.4	3.2
35 - 39	135.8	68.9	66.9	15.4	7.4	8.0	107.1	54.0	53.1	8.1	4.5	3.6	5.2	3.0	2.2
40 - 44	131.5	66.5	65.0	16.8	8.2	8.6	102.6	51.8	50.8	8.3	4.3	4.0	3.8	2.2	1.6
45 - 49	107.2	54.7	52.5	14.4	6.9	7.5	81.5	40.7	40.8	8.6	5.5	3.1	2.7	1.6	1.1
50 - 54	93.1	48.3	44.8	13.4	7.2	6.2	68.7	33.4	35.3	8.8	6.4	2.4	2.2	1.3	0.9
55 - 59	71.4	37.0	34.4	10.4	6.0	4.4	52.6	24.8	27.8	6.8	5.2	1.6	1.6	1.0	0.6
60 - 64	59.7	29.8	29.9	7.1	4.1	3.0	47.2	21.7	25.5	4.4	3.4	1.0	1.0	0.6	0.4
65 - 69	49.3	23.7	25.6	4.2	2.3	1.9	41.9	19.2	22.7	2.6	1.9	0.7	0.6	0.3	0.3
70 & Over	64.6	27.5	37.1	4.8	2.6	2.2	56.7	22.9	33.8	2.2	1.6	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	39.0	39.4	38.5	44.8	44.7	44.9	38.1	39.2	37.1	37.3	33.8	41.9	33.9	32.8	35.1
20 - 39	37.1	37.2	37.1	35.0	34.8	35.1	37.6	37.9	37.2	35.7	34.1	37.9	41.3	39.6	43.2
40 - 59	16.7	16.8	16.6	15.6	15.6	15.8	16.5	16.1	16.8	21.0	24.3	16.7	20.0	22.8	16.9
60 & Over	7.2	6.6	7.8	4.6	4.9	4.2	7.8	6.8	8.9	6.0	7.8	3.5	4.8	4.8	4.8

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
1970	45,934	23,609	22,323	10,717	942	35,217	22.1	5.2	17.0	20.5
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	17.8	19.2
1973	48,269	24,955	23,308	11,920	981	36,349	22.1	5.5	16.6	20.3
1974	43,268	22,479	20,787	11,674	728	31,594	19.5	5.3	14.2	16.8
1975	39,948	20,627	19,320	11,447	555	28,501	17.8	5.1	12.7	13.9
1976	42,783	22,187	20,593	11,648	498	31,135	18.8	5.1	13.7	11.6
1977	38,364	19,917	18,445	11,955	474	26,409	16.6	5.2	11.5	12.4
1978	39,441	20,364	19,076	12,065	498	27,376	16.9	5.2	11.7	12.6
1979	40,779	21,293	19,485	12,468	540	28,311	17.3	5.3	12.0	13.2
1980	41,217	21,308	19,908	12,505	483	28,712	17.1	5.2	11.9	11.7

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)	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
15 - 19	25.9	25.6	25.3	24.2	20.8	16.8	16.2	13.4	11.8	11.4	12.2
20 - 24	139.0	138.3	137.4	130.5	118.9	102.1	107.2	90.3	86.8	85.1	79.9
25 - 29	208.8	212.6	218.0	199.5	172.2	154.5	160.2	138.9	140.9	139.3	137.3
30 - 34	138.0	137.6	139.2	128.4	102.9	94.9	95.9	85.2	86.8	88.4	84.5
35 - 39	74.5	68.5	66.1	57.6	42.6	36.3	33.8	28.7	26.7	27.5	27.2
40 - 44	26.7	21.9	20.9	17.4	12.7	10.0	8.1	6.9	5.3	5.5	5.7
45 - 49	4.3	3.1	2.7	2.3	1.7	1.1	0.8	0.6	0.6	1.0	0.5
Total Fertility Rate	3,086	3,038	3,048	2,800	2,359	2,079	2,111	1,820	1,795	1,791	1,737
Gross Reproduction Rate	1,500	1,471	1,473	1,352	1,132	1,005	1,018	877	869	853	840

2.6 LIVE-BIRTHS BY BIRTH ORDER

Birth Order	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
Number											
Total ¹	45,934	47,088	49,678	48,269	43,268	39,948	42,783	38,364	39,441	40,779	41,217
1st	12,911	14,066	15,421	16,449	16,946	14,674	17,200	16,138	16,424	17,253	17,965
2nd	10,538	11,438	12,261	12,431	11,628	12,631	13,585	12,101	12,962	13,645	13,999
3rd	7,256	7,784	8,318	7,855	6,624	6,596	7,083	6,221	6,463	6,630	6,236
4th	4,588	4,660	4,821	4,508	3,497	2,854	2,648	2,231	2,181	2,002	1,886
5th	3,010	2,757	2,923	2,407	1,733	1,299	984	745	674	601	592
6th & Over	7,480	6,154	5,657	4,379	2,712	1,810	1,179	879	659	538	424
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	281	299	310	341	391	367	402	421	416	423	436
2nd	229	243	247	257	269	316	317	316	329	335	340
3rd	158	165	167	163	153	165	166	162	164	163	151
4th	100	99	97	93	81	72	62	58	55	49	46
5th	66	58	59	50	40	33	23	19	17	15	14
6th & Over	163	131	114	91	63	45	28	23	17	13	10

1 Total includes birth order not stated.

2.7 AGE SPECIFIC DEATH RATES
(Per Thousand Population)

Age Group (Years)	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
Total	5.2	5.4	5.4	5.4	5.2	5.1	5.1	5.1	5.1	5.2	5.2
0 - 4	5.2	5.0	5.1	5.2	4.0	3.1	2.8	2.8	3.0	3.3	3.1
5 - 9	0.5	0.5	0.4	0.6	0.5	0.3	0.4	0.4	0.3	0.3	0.2
10 - 14	0.4	0.4	0.4	0.5	0.4	0.4	0.4	0.3	0.3	0.4	0.3
15 - 19	0.8	0.9	0.9	0.8	0.6	0.5	0.6	0.7	0.7	0.7	0.6
20 - 24	1.0	1.1	1.1	1.1	1.0	1.0	0.9	0.8	1.0	0.8	1.0
25 - 29	1.2	1.2	1.1	1.2	1.1	1.1	1.0	1.0	1.1	1.0	0.9
30 - 34	1.3	1.3	1.3	1.3	1.4	1.5	1.2	1.1	1.4	1.0	1.1
35 - 39	2.2	2.2	1.9	1.9	1.9	1.9	1.9	1.8	1.7	1.6	1.5
40 - 44	3.4	3.8	3.3	3.6	3.1	3.4	2.9	2.9	2.8	2.9	2.5
45 - 49	5.9	5.9	5.9	5.5	5.7	5.7	5.2	4.8	5.0	4.7	4.9
50 - 54	9.7	10.2	10.0	9.3	9.5	9.2	8.9	9.3	8.3	8.7	7.9
55 - 59	15.8	15.7	15.2	15.6	14.7	14.8	14.5	14.9	13.8	14.3	13.6
60 - 64	25.7	26.5	26.1	25.6	24.4	21.8	23.1	24.0	22.1	22.9	22.2
65 - 69	39.5	41.5	40.2	40.4	36.3	37.8	36.3	36.9	35.9	34.6	34.8
70 & Over	85.7	83.1	81.0	81.5	82.8	78.4	80.7	79.5	77.7	79.4	76.8

2.8 DEATHS BY BROAD GROUPS OF CAUSES

Number

Cause of Death	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
All Causes	11,329	11,522	11,920	11,674	11,447	11,648	11,955	12,065	12,468	12,505
Infective & Parasitic Diseases	702	752	775	714	630	554	523	502	503	425
of which: Tuberculosis	439	489	450	472	420	358	340	318	331	240
Neoplasms	1,728	1,821	1,912	2,002	2,123	2,278	2,326	2,415	2,542	2,623
of which: Cancer	1,688	1,773	1,863	1,955	2,083	2,245	2,286	2,386	2,488	2,561
Endocrine, Nutritional & Metabolic Diseases	308	271	342	377	375	408	429	403	403	359
of which: Diabetes	212	207	247	257	259	334	377	334	347	319
Diseases of the Blood & Blood-forming Organs	60	50	61	60	52	32	50	45	41	31
Diseases of the Nervous System & Sense Organs	166	171	169	149	133	129	110	114	122	131
Diseases of the Circulatory System	3,120	2,999	3,169	3,295	3,369	3,798	3,889	3,983	4,233	4,305
of which: Heart & Hypertensive Diseases	1,925	1,819	1,967	2,014	2,000	2,283	2,426	2,518	2,752	2,777
Cerebrovascular Disease	1,103	1,080	1,131	1,213	1,244	1,427	1,360	1,382	1,409	1,447
Diseases of the Respiratory System	1,502	1,653	1,663	1,631	1,632	1,651	1,902	1,724	2,024	1,965
of which: Pneumonia	875	951	950	969	948	1,010	1,215	942	1,124	1,129
Bronchitis	235	237	231	183	211	134	114	107	89	75
Diseases of the Digestive System	463	463	453	451	423	384	382	359	382	368
Diseases of the Genito-Urinary System	252	279	275	320	311	281	324	381	349	366
Congenital Anomalies	186	172	189	177	146	156	141	185	184	185
of which: Congenital Anomalies of Heart	102	93	94	101	76	70	70	98	105	111
Certain Causes of Perinatal Mortality	455	502	477	322	254	221	247	239	261	227
Accidents, Poisonings & Violence	968	982	995	894	887	890	914	1,057	876	899
of which: Motor Vehicle Accidents	340	370	371	282	255	257	264	299	236	250
Other Accidents	281	245	277	272	217	238	239	256	160	122
Suicides	230	235	240	229	252	257	224	266	249	271
Other Diseases & Causes	1,419	1,407	1,440	1,282	1,112	866	718	658	548	621
of which: Senility	1,127	1,101	1,108	1,064	860	679	571	505	359	403

Note: Deaths for 1971-78 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
1970	15,338	13,066	11,784	608	274	400	2,272	1,865	132	275
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

2.10 MARRIAGES BY AGE GROUP OF GROOMS AND BRIDES, 1978, 1979 AND 1980

Number

Age Group (Years)	1978				1979				1980			
	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	17,419	3,109	17,419	3,109	17,250	3,677	17,250	3,677	18,412	4,032	18,412	4,032
Under 15	-	-	-	-	-	-	-	-	-	-	-	2
15 - 19	129	82	1,864	713	146	112	1,769	835	141	110	1,693	814
20 - 24	5,274	1,247	9,171	1,598	5,126	1,415	9,034	1,858	5,417	1,593	9,655	2,091
25 - 29	8,011	1,139	4,763	519	7,886	1,397	4,689	619	8,501	1,552	5,233	739
30 - 34	2,570	353	1,083	140	2,660	384	1,198	193	2,935	416	1,266	223
35 - 39	798	98	329	61	805	139	328	63	737	142	319	63
40 - 44	330	66	128	40	341	79	136	48	342	82	143	48
45 - 49	148	51	42	19	153	51	55	32	161	50	60	23
50 & Over	159	73	39	19	133	100	41	29	178	87	43	29

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
1970	28.0	23.9	28.1	24.2	27.7	22.3
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

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 1966 Sample Household Survey conducted jointly by the Economic Research Centre, University of Singapore and the Ministry of National Development, 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 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 as-

sistance 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 Industrial Relations Department of the Ministry of Labour and include both strikes and lock-outs.

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 attain 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 deposits to purchase flats under the various approved public housing schemes and shares of Singapore Bus Services

(1978) Ltd. 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 1980 for employment in the private sector are shown as follows:

Contribution Rates From 1 July 1980

Total Amount of Employees' 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 Employees' 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 23.5% of the total amount of the employee's wages for the month; and b One-third of the dif- ference between the total amount of the employee's wages for the month and \$200.	An amount equal to the sum of - a 3% of the total amount of the employee's wages for the month; and b One-third of the dif- ference between the total amount of the employee's wages for the month and \$200.
Exceeding \$363	An amount equal to the sum of - a 38.5% of the employee's ordinary wages for the month, subject to a maximum of \$1,155; and	An amount equal to the sum of - a 18% of the employee's ordinary wages for the month, subject to a maximum of \$540; and

Total Amount of Employees' 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 38.5% of the amount of additional wages payable to the employee in the month.	b 18% 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 6.5 per cent of wages are credited into the

members' special account. For those earning more than \$50 but less than \$200, the corresponding portion is 4.5 per cent. Money in the special account cannot be used by members to purchase flats under the various approved housing schemes or to purchase shares of Singapore Bus Service (1978) Ltd. This is to ensure that members who have utilised their CPF monies to purchase flats or shares have some savings when they retire.

3.1 LABOUR FORCE

Mid-year	Population			Labour Force			Partici- pation Rate	Unemploy- ment Rate
	Total	Males	Females	Total	Employed	Unemployed		
	Thousand						Per Cent	
1970	1,200.3	618.1	582.2	693	651	42	57.7	6.0
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

Note: Data covers persons aged 15-64 years.

Source: Ministry of Labour

1 Census of Population, 1980.

3.2 PERSONS BY ACTIVITY STATUS, AGE GROUP AND SEX, 1980 CENSUS

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	1,996.4	1,015.2	981.2	1,116.0	730.6	385.4	1,077.1	706.5	370.6	38.9	24.1	14.8	880.4	284.6	595.8
10 - 14	235.6	120.9	114.7	3.9	2.0	1.9	3.7	1.9	1.8	0.2	0.1	0.1	231.7	118.9	112.8
15 - 19	287.4	148.2	139.2	141.0	70.4	70.6	132.8	68.7	64.1	8.2	1.7	6.5	146.4	77.8	68.6
20 - 24	296.2	152.8	143.4	255.1	142.7	112.4	240.5	133.1	107.4	14.6	9.6	5.0	41.1	10.1	31.0
25 - 29	253.5	129.4	124.1	198.6	125.8	72.8	192.0	121.0	71.0	6.6	4.8	1.8	54.9	3.6	51.1
30 - 34	211.0	107.4	103.6	151.0	105.2	45.8	147.6	102.6	45.0	3.4	2.6	0.8	60.0	2.2	57.8
35 - 39	135.8	68.9	66.9	92.4	67.5	24.9	90.8	66.2	24.6	1.6	1.3	0.3	43.4	1.4	42.0
40 - 44	131.5	66.5	65.0	86.5	64.9	21.6	84.8	63.4	21.4	1.7	1.5	0.2	45.0	1.6	43.4
45 - 49	107.3	54.8	52.5	66.3	52.4	13.9	64.8	51.0	13.8	1.5	1.4	0.1	41.0	2.4	38.6
50 - 54	93.1	48.3	44.8	52.4	43.3	9.1	51.4	42.3	9.1	1.0	1.0	-	40.7	5.0	35.7
55 - 59	71.4	37.0	34.4	31.1	26.1	5.0	31.0	26.0	5.0	0.1	0.1	-	40.3	10.9	29.4
60 - 64	59.7	29.8	29.9	19.0	15.6	3.4	19.0	15.6	3.4	-	-	-	40.7	14.2	26.5
65 & Over	113.9	51.2	62.7	18.7	14.7	4.0	18.7	14.7	4.0	-	-	-	95.2	36.5	58.7

3.3 AGE-SEX SPECIFIC LABOUR FORCE PARTICIPATION RATES, 1970, 1977-1980

Age Group (Years)	1970 ¹			1977			1978			1979			1980 ¹		
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
	Per Hundred Population														
Total	46.6	67.6	24.6	49.8	66.7	32.5	51.6	68.3	34.6	53.5	70.0	36.6	55.9	72.0	39.3
10 - 14	3.3	3.7	2.8	1.4	1.4	1.3	1.3	1.5	1.1	1.2	1.3	1.2	1.6	1.6	1.7
15 - 19	49.5	55.7	43.0	41.1	41.7	40.6	42.3	43.1	41.4	43.6	44.0	43.1	49.1	47.5	50.7
20 - 24	73.5	92.9	53.6	81.8	90.9	72.1	82.3	91.2	73.2	84.2	91.4	76.6	86.1	93.4	78.4
25 - 29	64.5	98.0	30.8	73.8	96.9	50.2	74.8	96.6	53.1	76.7	97.8	55.3	78.3	97.2	58.7
30 - 34	60.6	98.3	22.7	66.6	97.9	35.5	67.8	98.2	36.8	69.4	98.6	40.8	71.5	97.9	44.2
35 - 39	60.2	98.4	19.3	64.0	98.4	32.2	65.4	98.4	33.4	67.7	98.9	37.7	68.0	98.0	37.1
40 - 44	60.8	98.1	17.8	62.2	98.2	27.5	64.5	98.2	30.1	64.7	98.3	31.7	65.8	97.6	33.2
45 - 49	60.0	96.2	17.5	61.2	96.2	24.3	60.6	96.4	23.7	61.1	96.2	25.6	61.8	95.7	26.5
50 - 54	55.0	88.1	17.5	57.0	89.7	19.1	55.1	89.8	20.6	57.6	92.0	19.2	56.3	89.6	20.4
55 - 59	46.2	73.9	16.2	43.3	70.9	15.6	44.3	73.2	13.8	47.2	75.7	16.2	43.6	70.7	14.5
60 - 64	35.0	55.6	13.4	34.8	57.7	12.9	33.9	55.0	12.1	34.0	55.6	12.5	31.9	52.5	11.3
65 & Over	17.7	31.9	6.5	17.7	31.0	6.4	17.2	28.7	7.5	18.1	30.2	7.5	16.4	28.6	6.4

¹ Census of Population.

Source: Ministry of Labour

3.4 EMPLOYED PERSONS BY INDUSTRY, 1970, 1973-1980

Industry	Number								
	1970 ¹	1973	1974	1975	1976	1977	1978	1979	1980 ¹
Total	650,892	799,618	824,349	833,525	870,442	903,935	958,948	1,021,031	1,077,090
Agriculture & Fishing	22,458	21,365	21,709	17,372	19,686	19,777	17,788	15,182	16,962
Quarrying	2,168	1,074	1,748	3,139	1,857	1,637	1,124	1,518	1,139
Manufacturing	143,100	189,920	234,231	218,096	233,954	245,492	270,596	294,685	324,121
Utilities	7,615	11,165	10,344	8,929	11,249	11,397	9,732	9,817	8,464
Construction	43,126	51,533	42,495	39,181	42,026	41,967	51,520	54,345	72,346
Trade	152,910	196,147	172,650	191,686	201,002	212,702	224,991	237,346	229,759
Transport & Communication	79,041	93,725	97,519	97,899	101,615	105,629	109,231	118,902	119,917
Financial & Business Services	23,071	28,665	46,574	50,654	56,512	59,676	64,368	72,044	79,412
Other Services	177,022	205,809	195,136	204,025	200,630	204,343	207,818	216,444	224,554
Activities Not Adequately Defined	381	215	1,943	2,544	1,910	1,314	1,781	749	416

1 Census of Population.

Source: Ministry of Labour

3.5 EMPLOYED PERSONS BY OCCUPATION, 1970, 1973-1980

Occupation	Number								
	1970 ¹	1973	1974	1975	1976	1977	1978	1979	1980 ¹
Total	650,892	799,618	824,349	833,525	870,442	903,935	958,948	1,021,031	1,077,090
Professional & Technical Workers	55,899	60,981	90,526	89,078	86,864	84,559	81,838	87,601	95,145
Administrative, Managerial & Executive Workers	11,344	14,172	16,852	23,271	27,699	28,007	26,396	28,244	52,175
Clerical Workers	84,218	112,084	134,478	133,401	137,380	139,108	150,595	161,496	167,473
Sales Workers	105,558	129,798	117,334	127,015	136,159	141,586	147,542	155,963	131,977
Service Workers	88,812	98,879	84,310	95,031	92,701	97,593	107,068	113,494	112,196
Agricultural Workers & Fishermen	26,943	24,908	24,477	22,946	23,984	23,160	21,032	18,177	20,954
Production, Transport & Other Manual Workers	254,987	322,617	319,949	294,185	311,001	331,257	365,728	394,536	434,996
Workers Not Classifiable by Occupation	23,131	36,180	36,424	48,598	54,655	58,664	58,750	61,520	62,174

1 Census of Population.

Source: Ministry of Labour

3.6 EMPLOYED PERSONS BY INDUSTRY AND OCCUPATIONAL STATUS, 1980 CENSUS

Number

Industry	Occupational Status				
	Total	Employees	Employers	Own Account Workers	Unpaid Family Workers
Total	1,077,090	891,874	41,675	116,606	26,935
Agriculture & Fishing	16,962	3,147	346	8,979	4,490
Quarrying	1,139	1,035	70	29	5
Manufacturing	324,121	301,241	7,912	12,635	2,333
Utilities	8,464	8,433	11	10	10
Construction	72,346	57,248	3,876	10,834	388
Trade	229,759	143,482	21,213	46,712	18,352
Transport & Communication	119,917	95,788	1,980	21,816	333
Financial & Business Services	79,412	72,829	2,966	3,443	174
Other Services	224,554	208,375	3,295	12,036	848
Activities Not Adequately Defined	416	296	6	112	2

3.7 EMPLOYED PERSONS BY INDUSTRY AND OCCUPATION, 1980 CENSUS

Number

Occupation Industry	Total	Professional and Technical Workers	Administra- tive, Managerial and Executive Workers	Clerical Workers	Sales Workers	Services Workers	Agricultural Workers and Fishermen	Production, Transport and Other Manual Workers	Workers Not Classifiable by Occupation
Total	1,077,090	95,145	52,175	167,473	131,977	112,196	20,954	434,996	62,174
Agriculture & Fishing	16,962	360	180	259	41	207	15,474	440	1
Quarrying	1,139	42	88	143	11	45	-	810	-
Manufacturing	324,121	16,645	14,411	32,421	5,650	7,175	255	247,562	2
Utilities	8,464	1,283	149	1,668	33	617	95	4,619	-
Construction	72,346	3,277	1,729	3,526	143	693	118	62,860	-
Trade	229,759	3,303	15,427	37,965	120,291	31,580	225	20,963	5
Transport & Communication	119,917	8,147	5,363	32,141	697	6,924	123	66,519	3
Financial & Business Services	79,412	12,236	10,106	34,598	4,231	7,845	1,098	9,298	-
Other Services	224,554	49,844	4,708	24,712	872	57,093	3,564	21,651	62,110
Activities Not Adequately Defined	416	8	14	40	8	17	2	274	53

3.8 AVERAGE WEEKLY EARNINGS

Dollars

Industry/Occupation	1972 Jul	1973 Jul	1974 Jul	1975 Aug	1976 Aug	1977 Aug	1978 Aug	1979 Aug	1980 Aug
All Industries	75.6	82.9	97.6	111.1	116.3	124.3	131.3	142.8	161.4
Agriculture & Fishing	55.4	75.2	92.9	103.3	96.6	104.8	107.7	118.0	139.4
Quarrying	69.1	93.4	105.6	157.4	156.0	172.0	195.7	214.7	249.9
Manufacturing	63.2	68.1	78.9	92.5	96.2	102.9	109.5	118.8	134.1
Utilities	80.5	92.6	109.5	120.5	127.9	138.5	152.1	165.2	188.0
Construction	77.6	87.2	91.1	101.9	108.4	119.3	128.5	139.3	160.3
Trade	68.5	74.8	87.5	99.4	107.5	114.2	122.4	134.7	157.4
Transport & Communication	84.7	94.3	110.6	124.0	127.6	138.1	145.8	162.4	181.6
Financial & Business Services	108.9	115.7	141.0	147.5	156.4	170.0	178.9	193.8	216.3
Other Services	86.8	96.9	122.2	128.8	135.1	141.5	151.0	164.3	183.9
All Occupations	75.6	82.9	97.6	111.1	116.3	124.3	131.3	142.8	161.4
Professional, Administrative & Managerial Workers	191.0	210.6	247.8	277.9	291.4	308.0	319.7	341.9	377.9
Clerical, Sales & Service Workers	64.2	69.9	83.1	92.1	94.8	100.3	108.5	116.6	130.8
Production, Transport & Other Manual Workers	50.5	56.6	64.7	73.8	78.0	82.2	88.2	96.6	110.4

Source: Ministry of Labour

3.9 AVERAGE WEEKLY HOURS WORKED BY INDUSTRY

Industry	Hours								
	1972 Jul	1973 Jul	1974 Jul	1975 Aug	1976 Aug	1977 Aug	1978 Aug	1979 Aug	1980 Aug
All Industries	46.0	45.9	45.3	45.4	45.4	45.6	45.9	45.8	45.9
Agriculture & Fishing	44.1	43.1	42.1	42.6	44.9	44.5	44.5	43.6	43.8
Quarrying	49.6	47.8	46.2	46.6	46.4	46.8	47.7	46.2	46.9
Manufacturing	48.8	48.2	47.4	47.7	47.8	48.2	48.5	48.0	48.0
Utilities	49.3	49.7	48.0	48.8	47.8	47.8	48.1	47.9	48.2
Construction	49.1	52.9	47.3	48.0	47.5	47.1	47.4	47.1	48.1
Trade	45.2	44.7	44.5	44.5	44.3	44.3	44.2	44.2	44.1
Transport & Communication	46.1	45.8	46.2	46.6	45.4	46.6	47.2	46.7	47.1
Financial & Business Services	43.4	43.9	43.6	43.4	43.4	43.6	43.8	43.8	43.6
Other Services	42.2	41.5	42.0	41.8	42.2	42.1	41.7	42.1	42.0

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
1970	43,655	19,802	12,678	7,124	7,483	6,213	1,270	7,340	6,149	1,191
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

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

Source: Ministry of Labour

3.11 TRADE UNIONS AND MEMBERSHIP

Year	Employee Class		Employer Class		Number
	Unions	Members	Unions	Members	
1970	102	112,488	53	6,507	
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	

Source: Ministry of Labour

3.12 INDUSTRIAL STOPPAGES AND TRADE DISPUTES

Year	Industrial Stoppages			Trade Disputes ¹
	Number	Workers Involved	Man-days Lost	Number
1970	5	1,749	2,514	486
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

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)	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
Total	Thousand										
	372.5	415.7	535.7	609.3	622.5	647.4	677.8	713.6	779.4	832.9	863.6
	1.4	1.7	2.2	2.3	1.2	1.3	2.0	2.0	2.4	2.3	1.8
	55.1	66.1	81.0	95.1	82.9	84.0	87.6	88.4	97.4	100.2	96.0
	20 - 24	86.6	102.0	133.7	152.4	147.1	160.9	169.1	175.8	192.4	204.2
	25 - 29	44.4	52.6	81.9	100.1	109.6	127.6	135.1	142.2	154.6	165.6
	30 - 34	43.4	47.2	58.9	63.9	61.5	61.8	69.0	81.3	94.9	110.2
	35 - 39	35.2	36.7	45.5	51.2	53.6	57.8	61.0	61.9	64.9	65.5
	40 - 44	31.8	32.0	38.7	41.1	41.6	45.2	46.5	48.0	52.7	57.3
	45 - 49	24.8	25.7	30.1	33.4	34.7	37.5	38.1	39.2	41.4	42.8
	50 - 54	19.9	20.1	22.6	24.4	25.0	26.7	27.6	28.9	31.7	33.8
	55 - 59	3.0	3.0	3.5	3.9	3.8	4.3	3.9	4.4	18.9	19.6
	60 & Over	19.8	20.9	22.8	26.5	50.7	35.2	33.1	33.8	19.7	20.3
Not Stated	7.1	7.7	14.8	15.0	10.8	5.1	4.8	7.7	8.4	11.1	13.9
Total	Per Cent										
	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	0.4	0.4	0.4	0.4	0.2	0.2	0.3	0.3	0.3	0.3	0.2
	14.8	15.9	15.1	15.6	13.3	13.0	12.9	12.4	12.5	12.0	11.1
	23.3	24.5	24.9	25.0	23.6	24.9	24.9	24.6	24.7	24.5	24.2
	11.9	12.7	15.3	16.4	17.6	19.7	19.9	19.9	19.8	19.9	20.1
	11.7	11.4	11.0	10.5	9.9	9.5	10.2	11.4	12.2	13.2	14.4
	9.4	8.8	8.5	8.4	8.6	8.9	9.0	8.7	8.3	7.9	7.4
	8.5	7.7	7.2	6.8	6.7	7.0	6.9	6.7	6.8	6.9	6.9
	6.7	6.2	5.6	5.5	5.6	5.8	5.6	5.5	5.3	5.1	5.2
	5.3	4.8	4.2	4.0	4.0	4.1	4.1	4.1	4.1	4.1	4.0
	0.8	0.7	0.7	0.6	0.6	0.7	0.6	0.6	2.4	2.4	2.3
	5.3	5.0	4.3	4.3	8.1	5.4	4.9	4.7	2.5	2.4	2.6
Not Stated	1.9	1.9	2.8	2.5	1.8	0.8	0.7	1.1	1.1	1.3	1.6

Source: Central Provident Fund Board

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

Monthly Wage Level (\$)	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
Thousand											
Total	372.5	415.7	535.7	609.3	622.5	647.4	677.8	713.6	779.4	832.9	863.6
Below 100	66.1	62.1	55.6	46.0	27.3	24.0	23.0	22.5	23.9	20.4	12.4
100 - 199	146.7	164.1	194.7	195.9	130.5	117.5	110.4	103.2	86.1	66.9	51.3
200 - 299	68.8	80.1	108.8	138.5	161.0	162.1	175.0	185.3	203.8	184.1	135.9
300 - 399	31.6	37.8	59.0	72.0	85.0	93.1	101.7	109.9	117.1	138.3	165.8
400 - 499	18.4	21.8	39.6	46.7	57.7	62.2	68.3	74.9	82.6	96.0	100.2
500 - 599		13.0	19.6	30.4	41.8	47.4	50.0	52.7	60.6	73.5	85.8
600 - 799		14.3	22.2	30.3	45.2	55.6	57.7	63.2	77.9	93.9	107.7
800 - 999		6.7	12.1	15.5	21.3	25.8	29.0	32.7	40.8	51.6	64.2
1,000 - 1,199		4.1	7.0	10.2	13.7	15.8	16.3	18.2	22.9	29.4	37.8
1,200 - 1,499	38.3	3.2	5.3	7.4	11.1	14.0	15.4	17.4	21.0	25.2	31.0
1,500 - 1,999							11.1	12.5	16.6	22.6	30.4
2,000 - 2,499									8.1	9.6	10.9
2,500 - 2,999		3.2	5.3	8.5	16.3	21.0	13.2	15.1	4.0	5.0	6.5
3,000 & Over									6.8	8.7	12.4
Not Stated	2.6	5.3	6.5	7.9	11.6	8.9	6.7	6.0	7.2	7.7	11.3
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	17.7	14.9	10.4	7.6	4.4	3.7	3.4	3.1	3.1	2.5	1.4
100 - 199	39.4	39.5	36.3	32.1	21.0	18.1	16.3	14.5	11.0	8.0	6.0
200 - 299	18.5	19.3	20.3	22.7	25.9	25.0	25.8	26.0	26.2	22.1	15.7
300 - 399	8.5	9.1	11.0	11.8	13.6	14.4	15.0	15.4	15.0	16.6	19.2
400 - 499	4.9	5.2	7.4	7.7	9.3	9.6	10.1	10.5	10.6	11.5	11.6
500 - 599		3.1	3.7	5.0	6.7	7.3	7.4	7.4	7.8	8.8	9.9
600 - 799		3.4	4.1	5.0	7.3	8.6	8.5	8.9	10.0	11.3	12.5
800 - 999		1.6	2.3	2.5	3.4	4.0	4.3	4.6	5.2	6.2	7.4
1,000 - 1,199		1.0	1.3	1.7	2.2	2.4	2.4	2.5	2.9	3.5	4.4
1,200 - 1,499	10.3	0.8	1.0	1.2	1.8	2.2	2.3	2.4	2.7	3.0	3.6
1,500 - 1,999							1.6	1.8	2.1	2.7	3.5
2,000 - 2,499									1.1	1.2	1.3
2,500 - 2,999		0.8	1.0	1.4	2.6	3.3	1.9	2.1	0.5	0.6	0.8
3,000 & Over									0.9	1.1	1.4
Not Stated	0.7	1.3	1.2	1.3	1.8		1.0	0.8	0.9	0.9	1.3

Source: Central Provident Fund Board

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

Industry	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
All Industries	Thousand									
	415.7	535.7	609.3	622.5	647.4	677.8	713.6	779.4	832.9	863.6
	Agriculture & Fishing	1.2	1.3	1.4	1.5	1.3	1.6	1.6	1.8	2.0
	Quarrying	1.0	1.2	1.0	1.0	1.0	1.1	1.1	1.0	1.2
	Manufacturing	139.9	176.7	210.1	200.0	196.9	217.0	230.4	259.1	284.2
	Utilities	7.5	7.7	8.2	8.2	9.1	9.2	9.1	8.9	8.2
	Construction	16.6	20.3	26.1	25.5	26.9	26.6	25.4	26.7	29.3
	Trade	74.5	103.1	119.6	125.9	130.7	139.5	149.8	166.3	179.1
	Transport & Communication	47.2	53.2	60.5	68.9	73.0	72.4	78.4	87.5	92.2
	Financial & Business Services	37.9	42.6	49.3	52.3	58.4	61.5	65.1	69.9	77.4
	Other Services	88.7	126.5	130.6	138.5	144.0	145.6	151.9	157.0	162.5
	Activities Not Adequately Defined	1.2	3.1	2.5	0.7	6.1	3.3	0.8	1.1	1.7
All Industries	Per Cent									
	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	Agriculture & Fishing	0.3	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	0.2	0.1	0.1	0.1
	Manufacturing	33.7	33.0	34.5	32.1	30.4	32.0	32.3	33.3	33.7
	Utilities	1.8	1.4	1.4	1.3	1.4	1.3	1.3	1.2	1.1
	Construction	4.0	3.8	4.3	4.1	4.2	3.9	3.6	3.4	3.3
	Trade	17.9	19.3	19.6	20.2	20.2	20.6	21.0	21.3	21.5
	Transport & Communication	11.4	9.9	9.9	11.1	11.3	10.7	11.0	11.2	11.1
	Financial & Business Services	9.1	8.0	8.1	8.4	9.0	9.1	9.1	9.0	9.3
	Other Services	21.3	23.6	21.4	22.3	22.2	21.5	21.3	20.2	19.5
	Activities Not Adequately Defined	0.3	0.6	0.4	0.1	0.9	0.5	0.1	0.1	0.2

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

Source: Central Provident Fund Board

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

Age Group (Years)	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
Total	Thousand										
	638.8	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
	Under 15	1.9	2.4	2.9	3.0	1.8	1.7	2.6	2.6	3.1	2.8
	15 - 19	81.2	99.3	123.8	142.5	142.6	141.7	147.8	152.4	163.7	174.2
	20 - 24	136.0	159.8	200.6	232.1	246.2	270.6	286.2	297.0	308.4	333.5
	25 - 29	84.6	96.7	127.8	152.9	175.3	208.2	226.5	244.3	264.5	305.0
	30 - 34	86.3	94.9	103.8	110.3	109.5	110.3	123.5	146.4	168.5	227.3
	35 - 39	65.5	70.6	78.1	87.2	95.0	103.7	112.5	116.6	121.4	121.3
	40 - 44	54.4	57.7	64.0	67.7	70.6	77.8	82.6	86.5	94.9	112.2
	45 - 49	41.2	44.3	49.7	54.4	57.9	63.2	66.5	69.5	72.8	82.4
	50 - 54	34.0	35.6	38.6	40.8	42.3	45.2	48.3	51.7	56.0	64.0
	55 & Over	37.5	41.3	46.3	51.1	82.5	59.0	61.7	64.8	66.3	77.3
	Not Stated	16.2	12.1	19.7	20.0	17.9	23.0	19.3	19.3	21.2	18.7
Total	Per Cent										
	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	Under 15	0.3	0.3	0.4	0.3	0.2	0.2	0.2	0.2	0.2	0.2
	15 - 19	12.7	13.9	14.5	14.8	13.6	12.8	12.6	12.2	12.2	11.4
	20 - 24	21.3	22.3	23.5	24.1	23.7	24.5	24.3	23.8	23.0	22.0
	25 - 29	13.2	13.5	14.9	15.9	16.8	18.9	19.2	19.5	19.7	20.1
	30 - 34	13.5	13.3	12.1	11.5	10.5	10.0	10.5	11.7	12.6	15.0
	35 - 39	10.3	9.9	9.1	9.1	9.1	9.4	9.6	9.3	9.1	8.0
	40 - 44	8.5	8.1	7.5	7.0	6.8	7.0	7.0	6.9	7.1	7.4
	45 - 49	6.5	6.2	5.8	5.7	5.6	5.7	5.7	5.6	5.4	5.4
	50 - 54	5.3	5.0	4.5	4.2	4.1	4.1	4.1	4.1	4.2	4.2
	55 & Over	5.9	5.8	5.4	5.3	7.9	5.3	5.2	5.2	4.9	5.1
	Not Stated	2.5	1.7	2.3	2.1	1.7	2.1	1.6	1.5	1.6	1.2

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 (\$)	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
	Thousand										
Total	638.8	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
Below 200	273.2	275.1	304.9	293.5	268.0	259.9	262.5	266.8	275.8	267.6	259.5
200 - 399	83.4	104.3	131.0	125.3	117.0	106.3	110.5	112.9	116.0	110.4	104.0
400 - 599	45.5	56.8	73.9	90.1	83.6	74.1	73.5	75.1	78.2	79.1	72.2
600 - 799	31.5	37.3	47.7	67.7	65.9	60.8	57.5	59.8	61.7	63.3	58.1
800 - 999	24.5	27.8	33.8	47.4	55.4	50.8	48.0	49.6	51.5	53.2	49.7
1,000 - 1,999	77.8	84.3	96.7	121.6	162.9	173.0	172.1	168.9	179.0	188.0	184.6
2,000 - 2,999	32.8	41.4	52.2	63.4	78.7	99.3	104.9	110.5	113.8	123.5	131.4
3,000 - 3,999	19.2	22.7	28.9	37.4	51.0	61.0	73.5	76.8	82.1	89.6	100.0
4,000 - 5,999	21.8	26.6	33.2	43.0	57.2	75.1	89.7	103.9	110.3	123.7	139.3
6,000 - 7,999	9.9	13.3	18.2	23.5	31.9	43.4	52.2	61.3	72.4	80.3	93.5
8,000 - 9,999	6.7	7.2	10.1	14.3	19.5	27.2	34.4	39.6	46.3	57.6	65.8
10,000 - 19,999	] 12.5	] 17.9	] 24.7	] 34.8	] 50.5	50.1	66.3	82.7	97.0	122.2	154.4
20,000 - 29,999						13.4	16.9	21.6	27.4	37.0	50.7
30,000 & Over						10.0	15.5	21.6	29.3	40.1	55.5
	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
Below 200	42.8	38.5	35.6	30.5	25.7	23.5	22.3	21.3	20.6	18.6	17.1
200 - 399	13.1	14.6	15.3	13.0	11.2	9.6	9.4	9.0	8.7	7.7	6.8
400 - 599	7.1	7.9	8.6	9.4	8.0	6.7	6.3	6.0	5.8	5.5	4.8
600 - 799	4.9	5.2	5.6	7.0	6.3	5.5	4.9	4.8	4.6	4.4	3.8
800 - 999	3.8	3.9	4.0	4.9	5.3	4.6	4.1	4.0	3.8	3.7	3.3
1,000 - 1,999	12.2	11.8	11.3	12.6	15.6	15.7	14.6	13.5	13.3	13.1	12.2
2,000 - 2,999	5.1	5.8	6.1	6.6	7.6	9.0	8.9	8.8	8.5	8.6	8.7
3,000 - 3,999	3.0	3.2	3.4	3.9	4.9	5.5	6.2	6.1	6.1	6.3	6.6
4,000 - 5,999	3.4	3.7	3.9	4.5	5.5	6.8	7.6	8.3	8.2	8.6	9.2
6,000 - 7,999	1.6	1.9	2.1	2.5	3.1	3.9	4.4	4.9	5.4	5.6	6.1
8,000 - 9,999	1.0	1.0	1.2	1.5	1.9	2.5	2.9	3.2	3.5	4.0	4.3
10,000 - 19,999	] 2.0	] 2.5	] 2.9	] 3.6	] 4.9	4.5	5.6	6.6	7.2	8.5	10.2
20,000 - 29,999						1.2	1.5	1.7	2.0	2.6	3.3
30,000 & Over						1.0	1.3	1.8	2.3	2.8	3.6

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 as well as data collected under the Ticket System. The Ticket System was implemented by the Monetary Authority of Singapore in July 1973.

to collect statistics on Singapore's overseas transactions through banks operating in Singapore.

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

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980*
Total Gross Domestic Product	5,805	6,823	8,156	10,205	12,543	13,373	14,575	15,969	17,634	19,653	22,438
Share of Resident Foreigners & Resident Foreign Companies in GDP	1,071	1,234	1,516	2,090	2,990	3,059	3,289	3,431	4,295	5,307	6,257
Indigenous GDP	4,734	5,589	6,640	8,115	9,553	10,314	11,286	12,538	13,339	14,346	16,181
Net Factor Receipts of Singa- poreans from Rest of the World	256	237	244	294	413	481	442	576	704	816	953
Indigenous GNP	4,990	5,826	6,884	8,409	9,966	10,795	11,728	13,114	14,043	15,162	17,134
Per Capita Indigenous GNP (S\$)	2,405	2,761	3,206	3,849	4,491	4,798	5,148	5,681	6,016	6,417	7,167

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

Million Dollars

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980*
Gross National Product											
Gross National Product at Market Prices	5,861.1	6,813.3	8,135.2	9,981.2	12,255.4	13,345.1	14,374.6	15,778.9	17,438.5	19,423.0	22,216.7
Gross Domestic Product at Factor Cost	5,319.9	6,279.4	7,523.9	9,437.8	11,738.2	12,507.2	13,586.2	14,846.7	16,358.5	18,186.9	20,728.5
Indirect Taxes	485.0	543.9	631.9	767.3	805.0	865.8	989.0	1,122.2	1,275.7	1,466.5	1,709.8
Net Factor Income from Abroad	56.2	-10.0	-20.6	-223.9	-287.8	-27.9	-200.6	-190.0	-195.7	-230.4	-221.6
Generation of Gross National Saving											
Gross National Saving	1,129.7	1,252.7	1,962.0	2,725.0	3,076.3	3,406.3	3,985.3	4,550.8	4,940.2	5,732.7	6,310.2
Gross Domestic Saving	1,065.4	1,259.9	1,976.2	2,959.0	3,459.2	3,526.5	4,307.0	4,849.1	5,224.3	6,039.2	6,634.8
Gross Domestic Product at Market Prices	5,804.9	6,823.3	8,155.8	10,205.1	12,543.2	13,373.0	14,575.2	15,968.9	17,634.2	19,653.4	22,438.3
Less: Private & Government Consumption Expenditure	4,612.1	5,392.3	6,061.4	7,457.8	8,956.0	9,543.7	10,147.4	11,108.4	12,391.5	13,676.0	15,979.1
Statistical Discrepancy	-127.4	-171.1	-118.2	211.7	-128.0	-302.8	-120.8	-11.4	-18.4	61.8	175.6
Net Factor Income from Abroad	56.2	-10.0	-20.6	-223.9	-287.8	-27.9	-200.6	-190.0	-195.7	-230.4	-221.6
Net Transfers from Abroad	8.1	2.8	6.4	-10.1	-95.1	-92.3	-121.1	-108.3	-88.4	-76.1	-103.0
Finance of Gross Domestic Capital Formation											
Gross Domestic Capital Formation	2,244.5	2,744.1	3,354.4	4,000.0	5,592.0	5,034.6	5,492.2	5,338.5	6,343.7	7,687.7	9,688.4
Gross National Saving	1,129.7	1,252.7	1,962.0	2,725.0	3,076.3	3,406.3	3,985.3	4,550.8	4,940.2	5,732.7	6,310.2
Net Borrowing from Abroad	1,114.8	1,491.4	1,392.4	1,275.0	2,515.7	1,628.3	1,506.9	787.7	1,403.5	1,955.0	3,378.2

4.3 GROSS DOMESTIC PRODUCT BY INDUSTRY

Million Dollars

Industry	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980*
At Current Market Prices											
Total	5,804.9	6,823.3	8,155.8	10,205.1	12,543.2	13,373.0	14,575.2	15,968.9	17,634.2	19,653.4	22,438.3
Agriculture & Fishing	134.6	158.8	160.6	214.3	229.9	254.2	256.8	283.1	273.7	295.1	322.4
Quarrying	19.8	24.5	28.5	28.8	33.6	47.1	56.2	49.1	38.4	42.9	77.1
Manufacturing	1,186.5	1,460.6	1,853.5	2,429.0	3,084.6	3,226.2	3,611.5	4,020.7	4,620.9	5,458.8	6,359.7
Utilities	149.1	163.9	185.0	218.2	231.6	250.2	273.7	291.9	351.5	424.7	497.0
Construction	397.0	508.6	692.0	725.9	929.3	1,084.0	1,205.1	1,200.3	1,122.2	1,246.4	1,456.5
Trade	1,639.2	1,850.4	2,067.2	2,771.8	3,588.3	3,608.0	3,815.2	4,232.1	4,631.0	5,069.1	5,608.0
Transport & Communication	629.8	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	2,912.8
Financial & Business Services	815.8	998.4	1,232.3	1,543.3	1,833.8	1,957.3	2,088.8	2,223.6	2,445.9	2,815.4	3,431.2
Other Services	767.9	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	2,425.3
Less: Imputed Bank Service Charge	110.2	128.2	155.1	218.3	341.2	375.8	467.4	506.4	600.7	839.3	1,078.5
Add: Import Duties	175.4	162.7	195.7	238.4	223.1	228.1	260.4	304.1	340.2	369.7	426.8
At 1968 Market Prices											
Total	5,579.3	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	13,349.9
Agriculture & Fishing	129.8	143.5	153.9	145.8	135.5	139.9	154.9	156.5	155.4	160.7	165.0
Quarrying	19.4	22.8	26.0	26.0	29.4	39.2	43.1	42.0	36.4	41.5	52.8
Manufacturing	1,142.8	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	3,211.4
Utilities	145.9	160.2	181.0	200.0	208.5	223.3	244.4	276.1	326.1	355.8	385.1
Construction	353.6	406.6	474.0	432.9	459.4	533.9	591.3	578.4	536.1	575.0	640.6
Trade	1,568.9	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	3,257.1
Transport & Communication	627.9	721.2	858.8	1,041.3	1,123.8	1,230.7	1,399.3	1,629.9	1,875.1	2,128.8	2,378.4
Financial & Business Services	774.7	895.6	1,024.1	1,175.7	1,292.5	1,372.2	1,472.4	1,565.3	1,717.9	1,910.5	2,209.5
Other Services	756.9	818.3	889.5	960.2	1,036.7	1,115.6	1,171.7	1,208.2	1,305.6	1,384.2	1,479.4
Less: Imputed Bank Service Charge	106.8	123.7	147.4	189.0	252.6	268.2	328.7	349.1	409.3	562.2	667.6
Add: Import Duties	166.2	152.8	179.9	189.3	158.9	151.6	163.6	181.6	196.1	210.9	238.2

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
1975												
1st Quarter	2,092.0	34.3	8.1	424.6	52.5	118.3	572.7	290.7	335.9	279.2	62.9	38.6
2nd Quarter	2,136.7	34.4	9.1	440.9	55.0	130.6	595.7	294.1	335.7	273.0	64.9	33.1
3rd Quarter	2,254.9	33.8	10.7	499.2	58.0	138.4	597.5	319.4	348.6	280.1	68.4	37.6
4th Quarter	2,306.7	37.4	11.3	514.8	57.8	146.6	606.7	326.5	352.0	283.3	72.0	42.3
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	2,852.9	38.6	9.2	649.7	84.0	132.8	719.1	488.5	462.6	347.5	129.7	50.6
2nd Quarter	2,946.1	39.4	10.7	708.6	87.9	145.6	723.2	509.3	473.6	339.6	137.0	45.2
3rd Quarter	3,083.8	39.7	10.9	733.2	91.4	142.1	780.0	552.4	474.2	347.8	142.4	54.5
4th Quarter	3,231.3	43.0	10.7	781.8	92.5	154.5	813.3	578.6	500.1	349.3	153.1	60.6
1980*												
1st Quarter	3,174.1	40.5	10.6	740.8	90.5	145.7	774.6	563.0	529.1	370.9	155.0	63.4
2nd Quarter	3,254.8	40.8	12.7	804.7	95.5	162.1	778.4	565.1	541.9	362.4	160.7	51.9
3rd Quarter	3,405.9	41.0	14.1	824.0	98.6	158.8	831.5	616.8	560.3	368.5	168.1	60.4
4th Quarter	3,515.1	42.7	15.4	841.9	100.5	174.0	872.6	633.5	578.2	377.6	183.8	62.5

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

Industry	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980*
Total	104.0	108.7	114.6	128.5	148.5	152.1	154.3	156.7	159.2	162.2	168.1
Agriculture & Fishing	103.7	110.7	104.4	147.0	169.7	181.7	165.8	180.9	176.1	183.6	195.4
Quarrying	102.1	107.5	109.6	110.8	114.3	120.2	130.4	116.9	105.5	103.4	146.0
Manufacturing	103.8	107.7	117.0	131.9	161.4	171.7	173.2	177.8	184.3	190.0	198.0
Utilities	102.2	102.3	102.2	109.1	111.1	112.0	112.0	105.7	107.8	119.4	129.1
Construction	112.3	125.1	146.0	167.7	202.3	203.0	203.8	207.5	209.3	216.8	227.4
Trade	104.5	107.4	109.0	130.9	153.2	152.1	155.7	160.1	163.8	167.0	172.2
Transport & Communication	100.3	104.1	107.7	108.3	119.1	123.3	128.3	130.3	132.6	123.8	122.5
Financial & Business Services	105.3	111.5	120.3	131.3	141.9	142.6	141.9	142.1	142.4	147.4	155.3
Other Services	101.5	106.7	109.2	117.2	134.3	141.3	143.3	144.6	147.4	154.3	163.9

4.6 EXPENDITURE ON GROSS DOMESTIC PRODUCT

Million Dollars

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980*
	At Current Market Prices										
Total	5,804.9	6,823.3	8,155.8	10,205.1	12,543.2	13,373.0	14,575.2	15,968.9	17,634.2	19,653.4	22,438.3
Private Consumption Expenditure	3,919.6	4,531.5	5,071.2	6,340.1	7,657.6	8,120.7	8,605.9	9,392.1	10,402.0	11,615.4	13,470.6
Government Consumption Expenditure	692.5	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	2,508.5
Gross Domestic Fixed Capital Formation	1,888.5	2,473.4	3,054.3	3,561.1	4,694.8	4,698.4	5,149.1	5,282.8	5,926.7	6,884.0	8,858.7
Increase in Stocks	356.0	270.7	300.1	438.9	897.2	336.2	343.1	55.7	417.0	803.7	829.7
Less: Net Imports of Goods & Services	1,179.1	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	3,053.6
Statistical Discrepancy	127.4	171.1	118.2	-211.7	128.0	302.8	120.8	11.4	18.4	-61.8	-175.6
	At 1968 Market Prices										
Total	5,579.3	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	13,349.9
Private Consumption Expenditure	3,872.7	4,330.1	4,722.6	5,100.0	5,436.1	5,628.2	5,982.5	6,373.2	6,861.8	7,385.7	8,020.9
Government Consumption Expenditure	671.8	786.3	891.2	940.1	941.1	966.9	1,015.3	1,108.9	1,252.4	1,234.9	1,382.4
Gross Domestic Fixed Capital Formation	1,712.0	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	4,284.0
Increase in Stocks	335.4	235.2	191.1	181.7	483.6	184.8	190.2	30.9	229.7	391.4	337.2
Less: Net Imports of Goods & Services	1,079.8	1,343.2	1,241.6	828.2	1,359.3	941.2	728.0	288.8	597.6	604.0	648.9
Statistical Discrepancy	67.2	166.5	145.1	-66.8	59.6	185.3	78.8	16.8	65.9	104.9	-25.7

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

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980*
Total	104.0	108.7	114.6	128.5	148.5	152.1	154.3	156.7	159.2	162.2	168.1
Private Consumption Expenditure	101.2	104.7	107.4	124.3	140.9	144.3	143.9	147.4	151.6	157.3	167.9
Government Consumption Expenditure	103.1	109.5	111.1	118.9	138.0	147.2	151.8	154.8	158.9	166.9	181.5
Gross Domestic Fixed Capital Formation	110.3	117.7	126.7	136.2	162.8	169.8	177.0	178.9	181.7	191.2	206.8
Exports of Goods & Services	109.2	110.5	111.0	125.7	177.0	178.4	190.4	197.9	202.1	224.5	255.9
Imports of Goods & Services	109.2	110.5	111.0	125.7	174.9	177.0	188.9	197.4	201.6	226.0	261.9

4.8 PRIVATE CONSUMPTION EXPENDITURE

Million Dollars

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980*
	At Current Market Prices										
Total	3,919.6	4,531.5	5,071.2	6,340.1	7,657.6	8,120.7	8,605.9	9,392.1	10,402.0	11,615.4	13,470.6
Food & Beverages	1,399.3	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	4,039.5
Clothing & Footwear	431.0	470.2	524.9	718.2	783.2	748.2	809.2	898.1	1,000.5	1,147.7	1,271.6
Rent & Utilities	445.8	525.9	630.6	694.6	815.9	920.5	1,007.4	1,067.6	1,129.9	1,243.4	1,422.9
Furniture & Household Equipment	355.8	400.4	445.5	571.0	752.0	813.8	857.9	948.4	1,074.2	1,215.4	1,356.6
Medical Services	121.2	140.2	150.8	178.7	217.8	249.1	269.3	305.4	333.8	356.4	408.0
Transport & Communication	543.3	603.9	680.4	830.6	985.5	1,005.9	1,119.8	1,328.0	1,526.0	1,820.4	2,275.1
Recreation & Education	441.1	515.6	585.4	761.9	992.4	1,013.7	1,056.6	1,162.8	1,400.7	1,695.3	1,953.0
Other Goods & Services	736.9	854.2	1,024.0	1,284.3	1,589.4	1,693.7	1,805.1	1,995.6	2,265.5	2,652.9	3,143.9
Add: Residents' Expenditure Abroad	54.7	221.9	283.4	305.5	322.9	332.4	357.9	397.5	440.1	475.2	523.5
Less: Non-residents' Expenditure Locally	609.5	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	2,923.5
	At 1968 Market Prices										
Total	3,872.7	4,330.1	4,722.6	5,100.0	5,436.1	5,628.2	5,982.5	6,373.2	6,861.8	7,385.7	8,020.9
Food & Beverages	1,424.8	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	2,263.7
Clothing & Footwear	418.2	441.8	484.1	525.0	529.2	522.0	562.9	618.5	670.9	747.4	811.7
Rent & Utilities	413.2	448.6	496.9	523.6	561.4	604.3	635.6	668.2	700.8	726.7	748.5
Furniture & Household Equipment	348.2	382.0	420.1	455.4	499.4	559.8	583.4	612.1	661.9	720.7	770.4
Medical Services	111.9	129.7	141.2	155.3	162.9	173.1	185.3	207.5	217.9	224.9	240.6
Transport & Communication	534.1	569.5	630.3	728.9	744.7	737.1	798.8	928.4	1,036.8	1,185.4	1,349.5
Recreation & Education	440.1	488.5	541.0	641.5	782.0	803.8	833.1	900.4	1,031.2	1,217.6	1,371.1
Other Goods & Services	735.0	838.0	956.0	1,044.3	1,178.2	1,202.7	1,283.9	1,403.0	1,548.4	1,724.9	1,892.7
Add: Residents' Expenditure Abroad	50.1	209.4	263.9	243.2	227.3	230.3	248.9	269.7	290.3	301.8	311.3
Less: Non-residents' Expenditure Locally	602.9	704.2	839.5	918.9	912.8	904.8	980.8	1,138.8	1,274.5	1,605.3	1,738.6

4.9 GROSS DOMESTIC FIXED CAPITAL FORMATION

Million Dollars

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980*
	At Current Market Prices										
Total	1,888.5	2,473.4	3,054.3	3,561.1	4,694.8	4,698.4	5,149.1	5,282.8	5,926.7	6,884.0	8,858.7
Construction & Works	777.9	1,014.0	1,380.7	1,478.3	1,951.3	2,120.6	2,375.5	2,392.2	2,307.0	2,631.5	3,555.6
Residential Buildings	363.6	460.3	659.8	814.1	1,043.6	1,051.4	1,180.1	1,232.0	1,046.7	1,039.8	1,261.7
Non-residential Buildings	244.1	387.3	483.9	455.7	602.9	648.7	679.1	670.4	782.7	1,089.9	1,501.9
Other Construction & Works	170.2	166.4	237.0	208.5	304.8	420.5	516.3	489.8	477.6	501.8	792.0
Transport Equipment	208.4	426.3	444.2	684.3	894.4	733.5	1,034.7	1,269.3	1,525.9	1,955.9	2,260.8
Machinery & Equipment	902.2	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	3,042.3
	At 1968 Market Prices										
Total	1,712.0	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	4,284.0
Construction & Works	688.4	802.2	932.9	865.0	879.8	1,002.0	1,101.2	1,110.8	1,051.2	1,114.0	1,305.7
Residential Buildings	321.8	364.2	445.8	476.4	470.5	496.8	547.1	585.3	492.7	459.1	489.5
Non-residential Buildings	216.0	306.4	327.0	266.6	271.9	306.3	314.7	303.7	346.6	448.5	534.4
Other Construction & Works	150.6	131.6	160.1	122.0	137.4	198.9	239.4	221.8	211.9	206.4	281.8
Transport Equipment	192.1	379.6	392.4	592.5	673.0	516.2	704.3	833.1	964.1	1,147.4	1,283.3
Machinery & Equipment	831.5	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	1,695.0

4.10 BALANCE OF PAYMENTS

Million Dollars

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980*
A Goods and Services (net)	-1,727.2	-2,169.9	-1,398.8	-1,264.9	-2,420.6	-1,536.0	-1,385.8	-679.4	-1,315.1	-1,878.9	-3,275.2
Exports of Goods & Services	6,132.3	6,908.6	9,121.8	12,639.0	19,559.8	19,244.7	22,798.8	27,080.9	30,798.9	39,643.6	52,108.8
Merchandise incl Nonmonetary Gold	4,428.3	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	38,693.1
Freight & Insurance	34.5	35.4	110.8	168.0	250.2	240.2	351.6	480.2	655.5	910.1	1,155.2
Travel	279.9	333.6	734.5	949.8	1,087.9	1,119.2	1,266.4	1,517.9	1,767.6	2,439.0	2,826.0
Investment Income	203.4	254.0	318.1	411.5	551.6	610.3	605.5	704.1	889.1	1,045.8	1,234.7
Government nie	416.6	369.0	180.5	207.2	210.8	180.8	95.7	100.0	104.2	104.1	113.4
Other Transportation & Services nie	769.6	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	8,086.4
Imports of Goods & Services	7,859.5	9,078.5	10,520.6	13,903.9	21,980.4	20,780.7	24,184.6	27,760.3	32,114.0	41,522.5	55,384.0
Merchandise incl Nonmonetary Gold	7,047.7	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	47,945.0
Freight & Insurance	466.3	541.4	535.1	680.9	1,130.7	1,081.3	1,168.6	1,356.0	1,429.0	1,831.1	2,643.9
Travel	31.9	34.7	337.2	364.9	386.7	400.4	432.4	481.6	534.4	590.9	651.8
Investment Income	89.4	92.9	362.8	658.4	865.8	679.9	824.1	910.7	1,101.3	1,292.5	1,471.0
Government nie	11.9	10.5	9.7	11.4	12.2	15.6	18.3	23.2	18.5	26.2	29.0
Other Transportation & Services nie	212.3	308.5	479.7	552.7	665.2	793.3	985.2	1,255.5	1,537.0	2,009.8	2,643.3
Trade Balance	-2,619.4	-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	-9,251.9
Balance of Services	892.2	845.6	1,658.4	1,952.3	3,054.6	4,223.8	4,081.9	4,210.0	4,484.2	4,899.1	5,976.7
B Transfer Payments (net)	-23.6	-35.5	6.4	-10.1	-95.1	-92.3	-121.1	-108.3	-88.4	-76.1	-103.0
Private	-63.5	-70.8	-6.1	-34.0	-99.3	-91.4	-113.0	-99.5	-81.1	-67.3	-91.3
Government	39.9	35.3	12.5	23.9	4.2	-0.9	-8.1	-8.8	-7.3	-8.8	-11.7
Current Account Balance	-1,750.8	-2,205.4	-1,392.4	-1,275.0	-2,515.7	-1,628.3	-1,506.9	-787.7	-1,403.5	-1,955.0	-3,378.2
C Capital (net)	532.6	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	3,449.2
Nonmonetary Sector (net)	429.1	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	3,149.9
Private	349.9	406.5	562.7	1,153.0	1,637.2	1,565.3	1,791.3	969.8	1,622.6	2,605.1	3,184.5
Official	79.2	75.5	187.2	26.6	1.1	20.9	100.7	299.5	12.3	-35.1	-34.6
Monetary Sector (net)	103.5	396.7	362.4	592.5	-420.7	-211.8	205.7	210.9	668.9	-400.3	299.3
Commercial banks: Foreign Assets ¹	-13.8	-210.2	-212.7	-450.5	-385.5	-464.1	-855.2	-636.0	-807.6	-2,118.2	-778.4
Foreign Liabilities	117.3	606.9	575.1	1,043.0	-35.2	252.3	1,060.9	846.9	1,476.5	1,717.9	1,077.7
D Allocation of Special Drawing Rights	-	-	-	-	-	-	-	-	-	14.3	14.5
E Balancing Item	1,783.0	2,301.5	1,225.1	508.1	2,016.5	1,220.3	146.6	70.8	611.2	908.3	1,350.3
F Overall Balance (A+B+C+D+E)	564.8	974.8	945.0	1,005.2	718.4	966.4	737.4	763.3	1,511.5	1,137.3	1,435.8
G Official Reserves (net)¹	-564.8	-974.8	-945.0	-1,005.2	-718.4	-966.4	-737.4	-763.3	-1,511.5	-1,137.3	-1,435.8
Special Drawing Rights	-	-	-	-	-	-	-	-	-	-34.4	-8.3
Reserve Position in the Fund	-	-5.3	-	-	-	-	-	-	-10.8	-23.5	-64.3
Foreign Exchange Assets	-564.8	-969.5	-945.0	-1,005.2	-718.4	-966.4	-737.4	-763.3	-1,500.7	-1,079.4	-1,363.2

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 26 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 78 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 \$7.1 million worth of them in 1980.

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 56,799 tonnes of fish consumed in 1980, 16,043 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 1980 reached \$36.1 million.

5.1 PRODUCTION OF PRINCIPAL CROPS

Year	Vegetables	Fruits	Sugar Cane	Rubber	Tobacco	Coconuts
	Tonnes					Million Nuts
1970	42,164	19,015	..	2,012	490	11
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

Source: Department of Primary Production

5.2 LIVESTOCK SLAUGHTERED

Year	Number				
	Swine	Sheep	Oxen	Buffaloes	Goats
1970	557,174	116,119	8,958	3,873	2,854
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

Source: Department of Primary Production

5.3 FRESH FISH SUPPLY

Tonnes

Year	Local Production ¹	Imports	Exports	Total Availability	Fish Auctioned
1970	16,039	50,062	5,050	61,051	60,671
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

¹ Figures exclude pond fish production.

Source: Department of Primary Production

5.4 FISHING VESSELS LICENSED

Number

End of Year	Fishing Vessels				Licensed Fishermen
	Total	Non-powered	Powered		
			Inboard	Outboard	
1970	932	361	273	298	1,919
1971	794	221	284	289	2,209
1972	776	241	258	277	2,265
1973	816	287	245	284	2,277
1974	769	260	240	269	2,194
1975	737	238	236	263	2,059
1976	709	216	228	265	1,986
1977	736	197	250	289	2,078
1978	719	173	243	303	2,084
1979	685	139	246	300	1,959
1980	641	130	221	290	2,035

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 1969 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	Estab- lishments	Workers	Input	Output	Value Added	Employees' Remuneration	Capital Expenditure	Direct Exports
	Number		Million Dollars					
1970	1,790	126,361	3,436.5	4,627.2	1,140.9	415.2	425.3	2,044.0
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	19,186.7	26,493.9	6,814.3	2,108.0	1,429.8	16,904.0
1980*	3,381	289,815	25,960.7	35,531.9	8,962.7	2,623.6	..	23,294.7

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				
1970	9,029	36,619	24.7	36.4	9.0	44.6	44.2
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	25,060	97,434	25.7	30.9	8.0	64.1	63.8
1980*	30,926	122,602	25.2	29.3	7.4	..	65.6

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

6.3 INDUSTRIAL ESTABLISHMENTS BY INDUSTRY

Number

Industrial Code	Industry	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980*
311/2	Food	222	225	229	223	225	237	234	232	254	268	282
313	Beverage	22	20	20	19	17	15	14	14	14	14	15
314	Tobacco Products	10	9	8	8	8	9	9	9	8	8	8
321	Textiles & Textile Manufactures	49	53	60	68	68	72	72	70	80	95	101
322	Wearing Apparel except Footwear	162	174	188	205	222	252	258	300	345	364	388
323	Leather & Leather Products	21	22	24	25	26	29	30	34	44	42	44
324	Footwear	41	43	46	42	35	34	38	38	49	56	56
331	Sawntimber & Other Wood Products except Furniture	165	162	164	172	155	146	132	125	132	131	130
332	Furniture & Fixtures except primarily of Metal	40	46	49	47	52	59	64	70	94	105	110
341	Paper & Paper Products	60	59	67	68	70	74	79	80	86	93	94
342	Printing & Publishing	165	166	178	184	191	207	222	235	260	268	282
351	Industrial Chemicals & Gases	13	16	18	20	18	24	25	23	25	27	32
352	Paints, Pharmaceuticals & Other Chemical Products	74	73	77	80	79	83	86	86	89	88	91
353/4	Petroleum Refineries & Petroleum Products	9	9	9	10	11	11	11	12	11	10	10
355	Processing of Jelutong & Gum Damar	6	5	6	8	7	7	6	6	5	5	5
356	Rubber Products except Footwear	29	29	29	28	28	28	27	25	24	27	28
357	Plastic Products	57	70	86	101	109	129	139	162	176	188	199
361/2	Pottery, Earthenware & Glass Products	9	9	12	12	11	10	11	11	10	11	13

6.3 INDUSTRIAL ESTABLISHMENTS BY INDUSTRY (continued)

Number

Industrial Code	Industry	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980*
363	Structural Clay Products	13	13	11	11	11	12	12	12	9	10	10
364	Cement & Cement Additives	4	4	4	4	4	5	7	7	7	7	7
365	Structural Cement & Concrete Products	18	18	17	17	19	24	26	26	28	27	31
369	Non-metallic Mineral Products nec	10	16	19	20	21	20	21	23	24	23	25
371	Iron & Steel	14	14	13	15	15	15	14	14	14	15	16
372	Non-ferrous Metals	4	5	4	6	6	6	5	7	8	10	10
381	Fabricated Metal Products	158	160	172	199	206	230	237	254	299	302	324
382	Industrial Machinery	102	102	107	144	167	212	245	238	273	291	336
383	Electrical & Electronic Equipment & Appliances	64	79	94	107	138	149	173	196	216	259	283
384	Transport Equipment & Oil Rigs	84	90	98	112	133	158	183	199	219	212	242
385	Precision Equipment	17	17	19	24	30	32	36	36	38	45	48
390	Manufacturing Industries nec	105	105	103	100	97	96	89	94	105	121	127
Total Manufacturing excluding Rubber Processing		1,747	1,813	1,931	2,079	2,179	2,385	2,505	2,638	2,946	3,122	3,347
Rubber Processing		27	25	23	21	22	20	19	17	16	15	14
Total Manufacturing including Rubber Processing		1,774	1,838	1,954	2,100	2,201	2,405	2,524	2,655	2,962	3,137	3,361
Granite Quarrying		16	17	17	17	18	19	21	19	17	19	20
Total		1,790	1,855	1,971	2,117	2,219	2,424	2,545	2,674	2,979	3,156	3,381

Note: Establishments engaging 10 or more workers.

6.4 INDUSTRIAL OUTPUT BY INDUSTRY

Million Dollars

Industrial Code	Industry	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
311/2	Food	551.4	577.6	552.0	714.9	930.2	843.5	938.0	1,219.0	1,229.8	1,452.7	1,659.0
313	Beverage	66.4	70.1	73.3	80.5	97.8	130.5	150.7	168.3	205.5	219.7	250.2
314	Tobacco Products	97.6	94.0	102.7	129.8	142.7	144.5	153.6	166.4	171.1	166.0	182.5
321	Textiles & Textile Manufactures	84.4	128.5	192.9	313.8	292.4	259.7	359.9	346.8	352.9	427.7	507.1
322	Wearing Apparel except Footwear	86.0	122.6	206.7	289.3	269.1	286.1	406.5	480.2	633.6	735.7	797.2
323	Leather & Leather Products	14.7	13.7	16.7	27.9	25.6	22.0	31.1	44.2	50.4	51.4	45.0
324	Footwear	17.9	23.7	25.9	23.7	27.2	30.3	33.9	30.8	35.6	52.3	53.6
331	Sawntimber & Other Wood Products except Furniture	186.5	199.0	261.0	466.2	357.3	311.3	421.9	434.9	546.7	792.1	795.9
332	Furniture & Fixtures except primarily of Metal	24.0	29.6	29.0	38.4	45.2	48.9	61.5	78.1	115.2	157.6	175.3
341	Paper & Paper Products	37.8	44.4	60.6	84.9	103.6	96.8	114.8	127.3	158.7	205.5	279.9
342	Printing & Publishing	98.3	117.3	143.2	168.3	221.2	225.2	290.2	335.3	374.9	430.0	507.3
351	Industrial Chemicals & Gases	34.9	45.6	64.8	92.8	155.9	142.9	195.8	210.2	166.2	225.6	277.1
352	Paints, Pharmaceuticals & Other Chemical Products	77.7	88.1	100.4	184.3	236.7	274.8	311.9	344.9	412.3	435.8	588.5
353/4	Petroleum Refineries & Petroleum Products	1,221.8	1,553.5	1,680.2	1,967.9	5,705.5	4,753.3	6,118.8	7,022.4	7,498.3	9,471.1	14,806.5
355	Processing of Jelutong & Gum Damar	14.6	12.9	13.1	17.6	22.6	20.2	16.4	21.0	19.3	22.8	25.6
356	Rubber Products except Footwear	39.5	44.2	43.2	48.0	54.6	54.3	57.8	62.0	66.8	89.9	79.5
357	Plastic Products	35.2	49.6	68.3	124.0	146.4	131.9	173.3	219.5	293.5	407.8	502.7
361/2	Pottery, Earthenware & Glass Products	17.9	14.2	15.9	22.6	30.0	28.3	35.6	40.0	48.8	60.4	66.5

6.4 INDUSTRIAL OUTPUT BY INDUSTRY (continued)

Million Dollars

Industrial Code	Industry	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980*
363	Structural Clay Products	8.4	11.2	13.2	17.2	21.8	16.2	20.2	20.4	14.2	21.6	33.8
364	Cement & Cement Additives	36.0	41.5	58.8	75.9	128.0	158.0	163.6	168.7	182.9	228.9	286.1
365	Structural Cement & Concrete Products	11.1	12.8	14.4	22.1	32.7	58.2	64.4	65.3	71.2	95.2	79.0
369	Non-metallic Mineral Products nec	16.5	33.6	30.9	58.0	79.0	88.4	85.0	99.2	92.7	106.4	94.6
371	Iron & Steel	50.5	57.0	73.3	104.7	173.5	145.2	149.4	142.8	188.4	267.3	358.5
372	Non-ferrous Metals	25.0	22.0	21.1	33.4	49.4	41.3	33.8	53.7	56.1	135.4	152.3
381	Fabricated Metal Products	218.0	222.5	245.4	323.7	430.2	489.1	478.1	569.4	734.7	907.7	1,037.3
382	Industrial Machinery	74.6	88.0	128.1	208.2	552.7	651.5	602.5	706.2	837.7	1,169.3	1,464.0
383	Electrical & Electronic Equipment & Appliances	283.0	400.9	740.8	1,253.5	1,599.6	1,486.5	2,129.3	2,503.1	3,111.1	4,462.5	6,065.1
384	Transport Equipment & Oil Rigs	330.0	429.9	553.5	768.2	1,142.3	1,337.2	1,349.5	1,452.3	1,532.6	1,860.2	2,306.2
385	Precision Equipment	12.5	25.6	69.2	128.3	115.9	182.3	193.2	183.8	236.4	300.4	381.9
390	Manufacturing Industries nec	118.9	125.5	123.6	150.2	157.7	151.7	176.6	202.2	229.4	337.5	426.7
Total Manufacturing excluding Rubber Processing		3,891.0	4,699.2	5,722.2	7,938.1	13,346.9	12,610.1	15,317.4	17,518.2	19,666.7	25,296.6	34,284.9
Rubber Processing		722.2	571.0	385.9	748.6	867.9	555.2	814.0	744.1	801.3	1,170.2	1,205.8
Total Manufacturing including Rubber Processing		4,613.2	5,270.3	6,108.1	8,686.7	14,214.8	13,165.3	16,131.4	18,262.4	20,468.0	26,466.8	35,490.7
Granite Quarrying		14.0	18.5	18.6	18.9	22.2	32.1	43.6	31.1	24.3	27.1	41.2
Total		4,627.2	5,288.8	6,126.7	8,705.6	14,237.0	13,197.4	16,175.0	18,293.5	20,492.3	26,493.9	35,531.9

* : Establishments engaging 10 or more workers.

6.5 VALUE ADDED OF INDUSTRIAL ESTABLISHMENTS BY INDUSTRY

Million Dollars

Industrial Code	Industry	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980*
311/2	Food	76.4	92.1	103.4	128.9	147.2	149.7	157.5	198.8	206.8	235.2	276.6
313	Beverage	34.9	35.1	33.0	38.6	45.7	57.2	66.9	69.2	81.4	91.9	102.4
314	Tobacco Products	24.8	24.7	25.8	30.8	41.9	34.7	34.7	37.0	41.0	42.8	67.1
321	Textiles & Textile Manufactures	23.5	40.3	64.9	121.7	85.9	78.6	117.2	108.9	115.4	137.4	158.2
322	Wearing Apparel except Footwear	23.8	34.9	59.5	82.4	78.9	92.2	136.0	156.8	206.5	229.9	272.0
323	Leather & Leather Products	2.6	2.8	3.5	5.1	5.8	4.6	9.0	12.7	13.3	13.2	11.2
324	Footwear	6.4	8.5	10.3	8.5	9.2	11.6	11.5	10.9	12.9	17.2	19.0
331	Sawntimber & Other Wood Products except Furniture	60.5	66.3	78.1	140.2	97.1	80.7	129.0	140.0	179.5	219.5	215.8
332	Furniture & Fixtures except primarily of Metal	10.7	12.4	12.0	15.3	19.3	21.5	26.8	31.1	43.2	58.7	69.7
341	Paper & Paper Products	12.5	14.8	21.1	31.9	36.4	31.8	39.9	45.8	54.3	71.9	76.3
342	Printing & Publishing	51.1	62.4	83.4	92.7	120.8	124.9	145.9	171.9	190.4	216.3	246.7
351	Industrial Chemicals & Gases	16.0	21.2	30.7	48.2	44.5	42.9	49.0	55.9	61.0	77.2	83.2
352	Paints, Pharmaceuticals & Other Chemical Products	33.5	36.9	44.0	88.6	117.5	137.4	154.6	172.5	226.5	225.9	321.9
353/4	Petroleum Refineries & Petroleum Products	210.3	281.0	280.6	362.3	864.6	605.0	698.5	774.2	787.0	1,206.4	1,844.2
355	Processing of Jelutong & Gum Damar	1.6	1.7	1.4	2.1	2.1	2.5	2.1	1.9	1.8	2.7	2.9
356	Rubber Products except Footwear	18.9	23.2	22.0	22.8	23.1	24.8	26.4	27.3	28.2	38.1	31.1
357	Plastic Products	11.6	18.7	28.1	43.5	46.6	42.6	52.2	74.6	100.2	141.9	176.0
361/2	Pottery, Earthenware & Glass Products	9.9	7.7	8.0	11.0	13.6	11.8	13.3	16.9	24.6	27.3	31.9

6.5 VALUE ADDED OF INDUSTRIAL ESTABLISHMENTS BY INDUSTRY (continued)

Million Dollars

Industrial Code	Industry	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980*
363	Structural Clay Products	6.0	8.5	9.7	12.7	14.8	10.0	12.4	12.9	9.4	13.2	21.5
364	Cement & Cement Additives	7.6	7.5	13.2	22.7	30.8	45.3	49.6	46.9	38.1	49.0	56.7
365	Structural Cement & Concrete Products	3.5	4.1	4.8	7.4	11.7	18.9	19.6	24.7	28.3	31.0	22.6
369	Non-metallic Mineral Products nec	6.3	16.4	14.1	29.4	35.5	37.0	38.7	43.7	41.2	47.3	42.2
371	Iron & Steel	17.1	15.8	27.0	52.4	99.1	50.1	53.1	65.6	89.9	109.3	163.3
372	Non-ferrous Metals	5.1	5.8	5.1	11.4	12.8	11.2	7.2	13.4	13.5	19.0	22.7
381	Fabricated Metal Products	71.9	73.0	87.6	119.3	145.8	168.0	169.3	203.2	257.6	323.1	372.9
382	Industrial Machinery	28.3	33.1	48.2	83.0	269.2	299.2	292.1	354.4	396.0	544.8	686.6
383	Electrical & Electronic Equipment & Appliances	127.4	174.5	338.3	489.1	501.7	471.4	684.3	757.3	992.5	1,380.9	1,940.7
384	Transport Equipment & Oil Rigs	159.4	203.9	269.7	359.4	534.8	620.1	628.1	700.2	731.0	892.5	1,190.9
385	Precision Equipment	3.5	5.8	22.6	48.3	35.7	87.8	88.9	93.6	123.2	132.9	173.8
390	Manufacturing Industries nec	28.9	33.3	32.0	31.0	36.1	37.6	47.7	53.1	68.4	106.8	142.1
Total Manufacturing excluding Rubber Processing		1,093.7	1,366.5	1,782.3	2,540.6	3,528.2	3,411.1	3,961.8	4,475.5	5,162.9	6,703.4	8,842.2
Rubber Processing		35.0	38.0	22.3	50.2	50.9	27.9	45.6	38.1	36.7	87.7	85.5
Total Manufacturing including Rubber Processing		1,128.8	1,404.6	1,804.5	2,590.8	3,579.1	3,439.0	4,007.4	4,513.6	5,199.6	6,791.0	8,927.7
Granite Quarrying		12.1	15.7	16.0	15.4	17.7	24.8	33.7	26.0	20.4	23.3	35.0
Total		1,140.9	1,420.3	1,820.5	2,606.2	3,596.8	3,463.8	4,041.1	4,539.6	5,220.0	6,814.3	8,962.7

*Note: Establishments engaging 10 or more workers.

6.6 WORKERS ENGAGED IN INDUSTRIAL PRODUCTION BY INDUSTRY

Number

Industrial Code	Industry	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980*
311/2	Food	9,062	9,705	9,898	9,416	9,282	8,725	8,567	9,200	9,636	10,181	9,460
313	Beverage	2,348	2,354	2,549	2,715	2,665	2,640	2,639	2,506	2,596	2,739	2,744
314	Tobacco Products	1,048	1,014	1,105	1,188	1,137	1,301	1,179	1,225	1,263	1,239	1,189
321	Textiles & Textile Manufactures	7,051	8,850	12,415	14,103	12,181	11,380	11,620	10,537	9,808	10,246	9,755
322	Wearing Apparel except Footwear	9,987	13,389	18,124	20,909	18,559	17,966	20,690	23,276	28,994	29,142	27,565
323	Leather & Leather Products	713	746	761	709	702	863	968	1,223	1,351	1,284	1,233
324	Footwear	2,005	2,191	2,389	1,964	1,855	1,901	1,738	1,471	1,586	1,668	1,378
331	Sawntimber & Other Wood Products except Furniture	9,200	10,794	12,247	13,113	11,974	9,420	8,769	8,828	10,011	11,373	10,997
332	Furniture & Fixtures except primarily of Metal	1,795	2,068	2,091	2,361	2,642	2,640	2,950	3,433	4,698	5,663	5,886
341	Paper & Paper Products	2,563	2,698	3,061	3,409	3,334	3,366	3,617	3,604	3,801	3,953	4,440
342	Printing & Publishing	7,015	7,328	7,587	7,734	8,281	8,511	9,082	9,808	11,061	11,435	11,618
351	Industrial Chemicals & Gases	814	1,034	1,206	1,304	1,314	1,450	1,408	1,366	1,502	1,683	1,717
352	Paints, Pharmaceuticals & Other Chemical Products	3,059	3,027	2,986	3,474	3,408	3,574	3,484	3,762	3,810	3,855	4,224
353/4	Petroleum Refineries & Petroleum Products	2,199	2,526	2,659	3,064	3,103	3,331	3,167	3,094	3,082	3,212	3,299
355	Processing of Jelutong & Gum Damar	243	222	246	262	222	205	164	158	135	148	137
356	Rubber Products except Footwear	1,635	1,702	1,697	1,603	1,510	1,462	1,479	1,455	1,562	1,828	1,859
357	Plastic Products	2,186	2,987	3,951	4,771	4,662	4,969	5,475	6,493	7,894	8,611	8,824
361/2	Pottery, Earthenware & Glass Products	1,795	977	1,020	990	1,020	684	723	763	773	845	876

6.6 WORKERS ENGAGED IN INDUSTRIAL PRODUCTION BY INDUSTRY (continued)

Number

Industrial Code	Industry	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980*
363	Structural Clay Products	1,179	1,005	1,050	1,043	943	815	901	830	477	493	496
364	Cement & Cement Additives	428	437	453	483	511	581	605	566	576	560	543
365	Structural Cement & Concrete Products	597	557	560	681	716	1,185	1,125	1,149	1,284	1,281	1,259
369	Non-metallic Mineral Products nec	839	1,202	1,281	1,442	1,745	1,700	1,735	1,454	1,454	1,223	1,229
371	Iron & Steel	1,078	1,254	1,306	1,375	1,525	1,410	1,359	1,369	1,432	1,705	1,785
372	Non-ferrous Metals	414	548	389	526	558	445	139	516	620	489	452
381	Fabricated Metal Products	8,691	9,113	9,702	10,232	10,748	10,975	11,533	12,253	14,367	14,812	15,121
382	Industrial Machinery	3,809	4,455	5,348	7,795	11,780	13,682	15,448	15,277	18,943	21,721	24,629
383	Electrical & Electronic Equipment & Appliances	13,586	18,749	31,483	44,427	48,910	34,556	47,060	52,180	59,474	73,943	86,730
384	Transport Equipment & Oil Rigs	16,213	20,443	22,546	25,462	28,437	30,421	27,697	28,218	28,373	28,072	31,255
385	Precision Equipment	886	1,288	3,179	6,502	8,090	6,941	7,382	7,889	8,133	9,823	10,305
390	Manufacturing Industries nec	8,071	7,889	7,063	5,517	4,253	4,429	4,531	5,209	5,028	6,107	6,309
Total Manufacturing excluding Rubber Processing		120,509	140,552	170,352	198,574	206,067	191,528	207,234	219,112	243,724	269,334	287,314
Rubber Processing		4,612	4,520	3,698	3,239	3,147	2,730	2,641	2,428	2,092	2,044	1,840
Total Manufacturing including Rubber Processing		125,121	145,072	174,050	201,813	209,214	194,258	209,875	221,540	245,816	271,378	289,154
Granite Quarrying		1,240	1,280	1,191	900	788	743	947	802	651	539	661
Total		126,361	146,352	175,241	202,713	210,002	195,001	210,822	222,342	246,467	271,917	289,815

Note: Establishments engaging 10 or more workers.

6.7 REMUNERATION OF EMPLOYEES ENGAGED IN INDUSTRIAL PRODUCTION BY INDUSTRY

Million Dollars

Industrial Code	Industry	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980*
311/2	Food	25.2	30.0	33.4	38.6	45.2	47.9	51.8	58.2	65.8	79.1	88.7
313	Beverage	10.0	11.1	12.5	14.6	18.6	22.3	22.9	24.3	26.5	29.9	33.9
314	Tobacco Products	3.9	4.0	5.1	7.2	8.7	8.8	9.5	10.5	11.6	13.2	14.8
321	Textiles & Textile Manufactures	13.7	19.7	31.2	44.2	48.0	47.8	56.0	52.7	54.7	63.4	72.4
322	Wearing Apparel except Footwear	15.9	22.2	33.8	48.5	50.6	53.8	69.9	87.0	118.1	136.0	157.7
323	Leather & Leather Products	1.3	1.4	1.6	2.0	2.5	3.1	4.0	5.1	6.1	6.8	7.7
324	Footwear	3.6	4.4	5.3	5.2	6.7	7.1	7.9	6.4	6.9	8.1	8.0
331	Sawntimber & Other Wood Products except Furniture	28.9	32.6	38.9	51.2	50.9	48.1	48.8	55.5	67.2	81.4	91.9
332	Furniture & Fixtures except primarily of Metal	5.6	6.7	7.6	8.6	11.9	12.8	14.8	16.8	24.4	33.9	43.7
341	Paper & Paper Products	4.1	5.1	6.7	9.7	12.1	13.9	16.0	17.6	21.3	26.6	35.4
342	Printing & Publishing	25.2	28.8	31.5	36.5	45.9	54.1	61.7	70.1	86.4	97.2	112.2
351	Industrial Chemicals & Gases	4.4	6.1	8.1	9.4	11.1	12.4	12.9	13.6	16.2	20.0	24.5
352	Paints, Pharmaceuticals & Other Chemical Products	9.6	10.7	12.6	18.2	22.0	25.7	30.0	35.1	37.9	43.8	56.9
353/4	Petroleum Refineries & Petroleum Products	32.9	42.2	44.6	53.9	60.6	66.1	67.2	67.0	73.5	87.1	105.9
355	Processing of Jelutong & Gum Damar	0.7	0.7	0.8	1.1	1.1	1.1	1.0	1.1	1.0	1.2	1.3
356	Rubber Products except Footwear	5.5	6.6	7.5	8.3	9.2	9.7	9.9	10.8	11.8	15.6	19.3
357	Plastic Products	4.2	6.5	10.2	14.7	18.2	21.1	24.8	31.1	40.2	50.4	64.3
361/2	Pottery, Earthenware & Glass Products	5.7	4.6	5.4	6.1	6.8	6.1	6.5	6.7	8.2	9.5	12.0

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

Million Dollars

Industrial Code	Industry	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980*
363	Structural Clay Products	3.1	3.5	3.8	4.5	5.1	5.2	5.4	5.1	4.1	4.7	5.6
364	Cement & Cement Additives	1.7	1.9	2.3	2.9	3.9	4.9	5.4	5.8	6.2	7.0	7.9
365	Structural Cement & Concrete Products	1.9	2.2	2.2	3.0	3.9	7.2	6.8	8.5	9.6	11.0	12.8
369	Non-metallic Mineral Products nec	3.9	5.7	6.7	8.3	10.4	12.4	14.4	11.5	11.9	12.7	15.1
371	Iron & Steel	4.8	6.2	6.9	8.9	11.7	12.4	13.2	13.9	16.6	21.1	26.0
372	Non-ferrous Metals	1.7	2.0	2.1	2.5	3.6	3.7	1.1	4.7	5.6	5.9	6.1
381	Fabricated Metal Products	29.7	34.4	37.6	44.4	59.6	67.1	75.7	83.2	115.1	119.3	146.8
382	Industrial Machinery	12.4	14.0	21.8	38.5	70.2	99.3	113.1	124.1	152.5	194.8	256.2
383	Electrical & Electronic Equipment & Appliances	33.0	56.3	99.3	157.4	198.3	186.8	245.9	286.9	342.6	475.0	634.1
384	Transport Equipment & Oil Rigs	88.6	112.9	140.2	170.8	225.8	264.0	254.0	292.2	306.9	331.0	412.4
385	Precision Equipment	2.0	4.5	12.8	27.5	37.5	37.5	39.2	41.5	48.0	62.3	76.0
390	Manufacturing Industries nec	14.7	16.3	16.1	14.8	15.8	18.0	20.3	24.7	27.7	38.0	48.3
	Total Manufacturing excluding Rubber Processing	397.6	503.2	648.7	861.4	1,075.9	1,180.5	1,309.8	1,471.7	1,724.2	2,085.9	2,597.9
	Rubber Processing	12.5	12.2	11.0	14.2	15.0	14.0	15.1	14.2	13.8	16.6	17.7
	Total Manufacturing including Rubber Processing	410.1	515.4	659.6	875.7	1,090.9	1,194.5	1,324.9	1,485.9	1,738.0	2,102.5	2,615.6
	Granite Quarrying	5.1	6.0	6.5	5.6	5.3	6.4	7.7	8.6	5.9	5.5	8.0
	Total	415.2	521.5	666.2	881.3	1,096.2	1,200.9	1,332.6	1,494.6	1,743.9	2,108.0	2,623.6

Note: Establishments engaging 10 or more workers.

6.8 VOLUME OF OUTPUT OF SELECTED MANUFACTURED PRODUCTS

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

6.9 VALUE OF OUTPUT OF SELECTED MANUFACTURED PRODUCTS

Million Dollars

Commodity	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Animal Feed	96.9	109.8	113.4	163.1	162.2	139.5	111.7	146.8	148.4	160.6
Soft Drinks	27.1	30.4	35.0	33.7	47.1	61.5	76.1	88.8	112.1	120.1
Refined Cooking Oil	36.9	36.3	30.9	52.2	76.1	50.0	62.7	93.4	94.3	80.4
Cigarettes & Cigars	95.9	292.2	101.1	127.9	140.7	142.4	150.0	161.5	164.9	160.1
Fabrics	41.4	52.4	65.7	101.3	89.8	106.5	151.1	138.0	158.6	190.7
Sawntimber	97.2	76.3	101.9	173.6	90.0	67.3	94.2	73.8	95.9	125.3
Plywood	45.7	61.4	86.9	203.3	163.5	172.2	224.1	234.7	296.8	466.6
Newspapers	12.2	17.2	17.0	18.4	31.9	28.8	31.5	33.1	35.6	39.0
Paints	17.4	18.4	23.6	30.6	42.9	42.9	43.5	58.5	65.5	72.5
Pharmaceutical Products	8.5	10.8	8.4	65.6	92.6	131.3	142.0	155.5	201.0	179.5
Soap & Detergents	15.0	16.8	18.5	21.6	25.9	24.8	32.4	33.6	32.1	37.9
Aviation Kerosene	252.3	314.5	408.2	432.2	972.4	932.1	1,263.3	1,186.6	1,406.4	2,100.1
Diesel Oil	222.6	262.5	307.3	405.7	1,048.3	968.2	1,327.8	1,534.6	1,784.5	2,518.6
Fuel Oil	356.3	401.6	505.2	546.7	1,794.0	1,425.5	1,778.4	2,090.3	1,899.4	2,621.9
Bricks	6.6	7.8	8.6	10.6	14.6	12.8	14.9	13.9	12.1	19.5
Cement	34.9	41.1	58.1	73.4	127.2	153.5	158.6	165.9	179.9	225.2
Air Conditioners	9.5	9.4	12.0	11.5	10.6	9.9	12.3	16.0	24.1	28.8
Refrigerators	11.3	12.5	13.7	21.9	20.0	21.9	25.6	31.7	47.0	51.8
Electronic Components & Equipment	161.6	231.7	447.5	876.6	1,040.7	883.1	1,310.9	1,459.8	1,785.0	2,371.0
Radios	12.7	24.4	118.6	145.9	195.7	201.4	226.9	248.0	337.4	651.6
Television Receivers	20.4	24.2	25.1	28.2	61.9	105.9	133.4	160.9	234.6	399.5
Marine Construction & Repairs	239.5	334.8	445.4	605.6	917.9	1,154.0	1,179.2	1,193.3	1,209.9	1,448.5
Marine Engines & Parts	10.6	13.1	18.4	26.2	42.8	47.5	44.4	61.3	64.9	84.5
Photographic Equipment & Optical Goods	1.6	12.8	40.9	73.9	79.5	120.4	99.2	87.5	90.1	107.9

6.10 INDEX OF INDUSTRIAL PRODUCTION
(1978 = 100)

Industrial Code	Industry	Weights	1979	1980	1979				1980			
			Annual Average		1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr
	Total Manufacturing excluding Rubber Processing	1,000.0	115.1	129.2	102.9	113.7	117.5	126.4	117.0	129.6	132.4	137.9
311/2	Food	40.0	109.7	112.8	101.0	117.4	108.7	111.8	115.2	113.1	112.2	110.7
313	Beverage	15.8	101.4	112.1	108.1	96.6	101.1	99.8	105.3	108.0	123.8	111.2
314	Tobacco Products	7.9	99.4	95.5	102.3	99.5	93.6	102.0	105.6	90.6	96.7	89.1
321	Textiles & Textile Manufactures	22.4	98.4	102.7	88.5	97.7	95.6	111.9	102.6	103.1	100.5	104.5
322	Wearing Apparel except Footwear	40.0	104.5	100.3	93.7	110.1	93.6	120.7	94.4	106.3	90.8	109.8
323	Leather & Leather Products	2.6	98.9	88.0	94.2	102.6	103.6	95.0	83.9	78.2	90.2	99.7
324	Footwear	2.5	116.6	110.3	119.0	110.4	98.8	138.1	88.5	120.4	99.6	132.8
331	Sawntimber & Other Wood Products except Furniture	34.8	90.3	76.7	87.3	94.1	90.9	88.8	84.4	81.2	71.8	69.4
332	Furniture & Fixtures except primarily of Metal	8.4	122.2	131.9	113.7	124.5	110.9	139.6	125.3	131.7	130.3	140.4
341	Paper & Paper Products	10.5	106.7	117.4	88.5	109.6	112.2	116.5	103.0	117.7	129.3	119.6
342	Printing & Publishing	36.9	102.4	124.4	90.3	98.2	109.4	111.8	97.5	109.0	139.7	151.5
351	Industrial Chemicals & Gases	11.8	109.9	109.7	100.0	115.3	115.5	108.8	101.4	115.6	107.4	114.3
352	Paints, Pharmaceuticals & Other Chemical Products	43.9	98.8	119.3	108.8	92.9	90.1	103.5	108.6	119.7	122.0	127.0
353/4	Petroleum Refineries & Petroleum Products	152.4	105.4	101.0	104.0	102.7	105.0	109.8	104.5	96.0	96.9	106.7

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

Industrial Code	Industry	Weights	1979	1980	1979				1980			
			Annual Average		1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr
355	Processing of Jelutong & Gum Damar	0.3	107.4	102.5	112.2	112.3	112.2	92.8	107.7	98.7	106.6	96.8
356	Rubber Products except Footwear	5.5	96.3	105.0	96.9	98.7	94.2	95.3	95.9	100.4	105.4	118.4
357	Plastic Products	19.4	93.7	93.3	96.3	96.1	91.7	90.8	86.9	95.7	98.8	91.9
361/2	Pottery, Earthenware & Glass Products	4.8	114.3	101.6	104.5	130.6	116.6	105.4	98.8	107.9	92.4	107.3
363	Structural Clay Products	1.8	127.4	117.3	114.7	127.4	134.6	132.7	122.9	125.9	115.3	105.0
364	Cement & Cement Additives	7.4	104.4	113.7	94.8	109.1	101.0	112.8	112.8	109.7	115.3	117.0
365	Structural Cement & Concrete Products	5.5	116.2	93.3	126.2	128.4	110.3	99.8	87.8	83.5	99.8	102.1
369	Non-metallic Mineral Products nec	8.0	113.8	94.2	146.2	132.2	101.0	75.8	93.4	88.2	105.9	89.4
371	Iron & Steel	17.4	112.6	114.6	94.4	109.6	122.1	124.2	114.1	129.4	112.9	101.8
372	Non-ferrous Metals	2.6	140.3	148.8	127.8	117.0	158.2	158.3	161.7	159.6	137.2	136.5
381	Fabricated Metal Products	49.9	111.7	114.1	107.0	113.2	110.9	115.8	100.3	116.5	117.8	121.6
382	Industrial Machinery	76.7	131.4	159.5	121.1	132.1	130.8	141.6	137.8	155.4	168.0	176.9
383	Electrical & Electronic Equipment & Appliances	192.2	131.5	164.3	108.2	121.0	142.6	154.3	144.9	173.9	171.4	166.8
384	Transport Equipment & Oil Rigs	141.6	125.2	158.9	92.8	125.7	131.8	150.6	128.7	155.5	165.0	186.2
	Other Industries	37.1	112.9	114.5	100.7	120.2	117.4	113.1	100.3	113.1	120.5	124.2

6.11 NET INVESTMENT COMMITMENTS IN MANUFACTURING BY INDUSTRY

Million Dollars

Industry	1972	1973	1974	1975	1976	1977	1978	1979	1980
Food & Beverages	3.4	2.0	-	2.6	14.4	27.4	8.5	40.8	122.7
Textiles	2.2	14.5	20.9	0.9	6.5	1.7	11.0	14.2	32.6
Wearing Apparel	6.4	-	-	-	1.5	3.0	2.7	1.4	8.0
Wood Products	14.2	9.3	6.9	1.4	8.3	5.3	9.8	33.2	32.0
Paper Products & Printing	-	6.3	1.0	-	1.0	4.2	-	8.0	29.9
Industrial Chemicals	2.1	5.1	26.0	7.5	5.0	4.9	13.9	5.4	50.2
Plastic Products	6.7	6.3	-	4.3	11.9	8.6	13.4	34.0	73.6
Other Chemical Products	0.9	2.4	15.0	2.0	0.4	1.3	14.5	31.0	109.7
Petroleum	-	-	-	135.0	16.0	66.2	330.0	224.5	200.0
Non-metallic Minerals	9.4	7.0	19.0	-	0.7	-	-	7.1	65.7
Basic Metals	1.3	4.0	24.0	1.4	15.4	1.0	2.5	-	-
Fabricated Metal Products	2.4	1.2	5.2	17.3	16.8	6.8	13.8	56.2	78.5
Machinery except Electrical	50.7	86.0	41.8	70.7	51.4	77.9	45.5	151.9	122.4
Electrical Machinery & Appliances	92.0	34.4	4.9	13.3	142.3	120.3	292.4	253.9	408.8
Transport Equipment	0.7	62.5	105.0	42.0	0.7	36.1	-	18.5	58.4
Precision Equipment	-	-	18.1	1.3	6.4	7.7	33.9	31.5	26.9
Other Products	2.1	54.9	4.1	6.6	4.7	24.1	20.5	32.0	26.2
Total	194.5	295.9	291.9	306.3	303.3	396.4	812.4	943.6	1,445.6
Foreign	156.3	224.1	168.8	246.8	260.5	362.6	765.7	823.4	1,242.2
Local	38.2	71.8	123.1	59.5	42.8	33.8	46.7	120.2	203.4

Note: Net investment commitments refer to gross commitments
less projects withdrawn or uncertain as at 31 December 1980.

Source: Economic Development Board

6.12 PRINCIPAL STATISTICS OF PIONEER MANUFACTURING ESTABLISHMENTS

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, 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 normally by steam plants at the Senoko, Jurong and Pasir Panjang 'B' Power Stations. The St James and Senoko Gas Turbine Generating Stations act as reserves. The Senoko Power Station contributed most (62.1 per cent) to the total production of electricity. This station will be further enlarged with the acquisition of two 250 megawatt (MW) turbine-generators and matching reheat boiler under the Stage III project.

In 1980 the total generating capacity of the Board's power stations decreased by 50 MW or 2.4 per cent to 2,010 MW after the Pasir

Panjang 'A' Power Station was closed.

A network of 230 kilovolt (kV), 66 kV, 6.6 kV and low tension cables interlinked by transformer substations forms the transmission and distribution system whereby electricity is supplied from the power stations to the consumers. The length of the network grew to 31,463 kilometres (km) of electric cables with an increase of 1,250 km in 1980. Of these, 149 km were reinforcements to the 230 kV transmission ring. There was also a net increase of 148 substation buildings giving a total of 2,850 at the end of 1980. The total transformer capacity increased by 6.4 per cent to 10,475 megavolt amperes (MVA).

The total number of consumers increased to 561,708 whilst their consumption rose to 6,198 million kilowatt hours (kW h).

Gas

Gas is produced by 5 naphtha reformers at the Kallang Gasworks with an installed capacity of 0.586 million cubic metres per day. Excess gas produced during off-peak periods is stored in the holders in Kallang and Queenstown and used to supplement the supply during the peak demand periods. There is a total of 1,316 kilometres of gas mains in use. Some housing and industrial estates outside the town gas distribution network receive their gas supply from Liquefied Petroleum Gas stored in system tanks. Distribution of bottled gas is done by private

companies for domestic use but data on these are not included in the table.

Water

Water supplies are drawn mainly from 7 impounding reservoirs in Singapore and 4 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									
1970	2,205.2	1,941.6	31.0	421.7	456.6	419.5	244.6	368.2	-	267,645
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	2,776.8	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	795.5	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	6,940.5	6,198.0	56.7	1,014.3	1,446.3	918.8	573.0	2,096.9	92.0	561,708

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						
1970	264.5	231.2	103.9	81.9	28.9	16.5	91,272
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

Source: Public Utilities Board

7.3 WATER CONSUMPTION

Year	Total	Domestic	Shipping	Commerce and Industry	Singapore Government	Public Utilities Board	Other Statutory Boards and Foreign Armed Forces	Johore	Number of Consumers (End of Period)
	Thousand Cubic Metres								
1970	165,505.7	71,024.0	2,276.9	35,718.3	22,752.9	2,683.3	18,487.4	12,562.9	264,314
1971	161,017.7	71,546.4	2,346.7	38,616.1	18,888.0	2,151.1	13,921.1	13,548.3	279,078
1972	175,503.7	78,970.3	2,406.6	46,699.8	20,626.5	2,177.0	8,519.8	16,103.7	298,713
1973	174,949.0	76,726.7	2,673.4	51,186.7	17,537.3	2,127.3	7,720.2	16,977.4	325,026
1974	176,482.3	78,826.1	2,805.1	52,118.4	13,800.1	2,846.8	7,425.3	18,660.5	352,835
1975	192,655.5	87,295.2	3,063.6	55,036.5	13,614.1	3,772.7	8,531.7	21,341.7	381,682
1976	199,465.8	89,830.9	2,776.1	56,219.2	13,563.6	3,928.2	8,522.6	24,625.2	408,401
1977	211,844.6	95,038.5	2,683.6	60,382.5	12,921.8	3,639.3	8,661.9	28,517.0	438,853
1978	225,596.3	101,640.6	2,812.9	63,215.9	12,284.4	3,147.1	10,249.3	32,246.1	472,247
1979	239,477.1	106,504.5	3,043.1	70,160.4	12,041.3	3,016.9	10,275.2	34,435.7	497,241
1980	258,083.2	113,478.1	3,346.9	75,991.2	11,935.7	3,004.9	10,484.9	39,841.5	527,481

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 1980, 22,030 housing units were completed by the Board, bringing the total units completed between 1960 and 1980 to 340,000

dwelling units. By the end of 31 Mar 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 will be completing 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). Another five new towns under development are 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
1970	20,246	2,481	478.0	22,342	3,620	888.8	15,889	1,819	253.8
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	5,518	1,632.0	61,632	11,059	3,356.8	33,318	5,182	1,305.4
1978	28,694	4,833	1,375.0	53,947	10,160	3,332.3	36,379	5,732	1,407.2
1979	27,119	5,350	2,015.0	51,098	10,969	4,131.2	29,968	4,541	1,229.6
1980	21,754	5,648	3,375.1	49,719	12,067	6,093.1	23,133	4,550	1,445.1

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
1970	17,616	1,031	135.8	18,970	1,365	267.1	13,936	1,039	126.8
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	4,374	1,171.6	54,593	7,405	1,989.7	31,732	4,146	958.1
1978	26,244	3,225	712.6	47,295	6,313	1,740.8	33,542	4,317	959.1
1979	24,668	3,631	1,085.2	44,150	6,660	2,093.2	27,813	3,284	743.8
1980	18,081	3,202	1,512.5	41,658	7,080	2,917.1	20,573	2,782	687.1

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
1970	2,630	1,450	342.2	3,372	2,255	621.7	1,953	780	127.0
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	2,450	1,608	666.9	6,652	3,847	1,591.5	2,837	1,415	448.1
1979	2,451	1,719	929.8	6,948	4,309	2,038.0	2,155	1,257	485.8
1980	3,673	2,446	1,862.6	8,061	4,987	3,176.0	2,560	1,768	758.0

¹ End of period.

8.2 NUMBER OF UNITS OF BUILDINGS COMMENCED

Year	Residential						Non-residential			
	Bungalow	Semi-detached	Terrace	Flats	Shophouses	Others	Commercial	Industrial	Educational	Others
Public and Private Sectors										
1972	274	935	1,440	29,366	447	8	533	399	15	99
1973	282	1,007	921	24,607	340	3	373	403	16	70
1974	147	525	579	26,389	416	1	141	263	35	92
1975	122	165	143	47,807	511	1	519	201	42	278
1976	67	76	209	32,204	560	112	701	833	16	84
1977	43	76	181	31,927	1,121	3	833	1,543	12	102
1978	42	95	103	26,394	338	9	266	1,359	17	71
1979	82	180	222	24,557	356	98	302	1,234	22	66
1980	121	288	336	18,072	340	5	827	1,645	44	76
Public Sector										
1972	-	2	-	27,812	437	7	386	303	9	77
1973	1	-	-	23,788	316	1	290	321	12	49
1974	-	-	-	24,840	370	1	80	59	24	73
1975	10	-	11	46,990	493	-	480	95	30	256
1976	-	-	-	30,904	560	111	604	726	6	55
1977	-	-	-	31,035	1,120	-	754	1,388	12	68
1978	-	-	-	24,580	331	2	168	1,103	12	48
1979	-	-	-	23,041	355	63	191	964	11	43
1980	-	-	-	15,554	334	1	731	1,383	31	47
Private Sector										
1972	274	933	1,440	1,554	10	1	147	96	6	22
1973	281	1,007	921	819	24	2	83	82	4	21
1974	147	525	579	1,549	46	-	61	204	11	19
1975	112	165	132	817	18	1	39	106	12	22
1976	67	76	209	1,300	-	1	97	107	10	29
1977	43	76	181	892	1	3	79	155	-	34
1978	42	95	103	1,814	7	7	98	256	5	23
1979	82	180	222	1,516	1	35	111	270	11	23
1980	121	288	336	2,518	6	4	96	262	13	29

8.3 FLOOR AREA OF BUILDINGS COMMENCED

Thousand Square Metres

Year	Residential						Non-residential			
	Bungalow	Semi-detached	Terrace	Flats	Shophouses	Others	Commercial	Industrial	Educational	Others
Public and Private Sectors										
1972	102	232	276	2,435	61	3	443	546	61	117
1973	113	254	184	2,219	52	-	274	777	107	203
1974	62	134	126	2,867	70	1	448	759	133	49
1975	45	49	26	4,951	86	1	695	585	156	358
1976	31	20	35	3,374	93	11	665	789	77	264
1977	19	21	35	3,350	212	4	618	647	118	494
1978	18	25	20	2,905	64	21	568	934	101	177
1979	34	47	38	3,005	61	9	743	1,163	112	138
1980	51	70	68	2,551	59	20	895	1,504	237	193
Public Sector										
1972	-	1	-	2,084	58	-	67	191	22	59
1973	1	-	-	1,997	46	-	123	207	77	172
1974	-	-	-	2,466	58	1	265	293	108	31
1975	3	-	1	4,774	82	-	423	183	126	319
1976	-	-	-	3,110	93	10	209	436	36	131
1977	-	-	-	3,178	212	-	254	262	118	350
1978	-	-	-	2,566	63	11	54	341	74	116
1979	-	-	-	2,718	61	3	277	407	85	80
1980	-	-	-	1,981	57	11	190	604	213	146
Private Sector										
1972	102	231	276	351	3	3	376	355	39	58
1973	112	254	184	222	6	-	151	570	30	31
1974	62	134	126	401	12	-	183	466	25	18
1975	42	49	25	177	4	1	272	402	30	39
1976	31	20	35	264	-	1	456	353	41	133
1977	19	21	35	172	-	4	364	385	-	144
1978	18	25	20	339	1	10	514	593	27	61
1979	34	47	38	287	-	6	466	756	27	58
1980	51	70	68	570	2	9	705	900	24	47

8.4 NUMBER OF UNITS OF BUILDINGS UNDER CONSTRUCTION

End of Year	Residential						Non-residential			
	Bungalow	Semi-detached	Terrace	Flats	Shophouses	Others	Commercial	Industrial	Educational	Others
Public and Private Sectors										
1972	393	1,315	1,738	37,516	369	4	486	410	16	64
1973	477	1,878	2,037	39,250	532	1	463	433	21	74
1974	380	1,669	1,574	36,957	509	-	262	467	38	92
1975	328	1,456	1,128	54,697	658	-	630	336	58	125
1976	215	1,240	1,069	53,644	845	111	847	961	38	139
1977	204	998	1,075	54,584	1,370	4	1,520	1,737	18	122
1978	163	784	856	48,240	918	9	949	1,882	18	128
1979	149	722	898	44,807	748	103	1,064	2,457	28	122
1980	209	798	894	43,018	777	97	1,299	2,447	56	124
Public Sector										
1972	-	2	-	34,037	359	1	237	305	9	41
1973	1	2	-	35,653	499	-	259	323	14	46
1974	-	-	-	32,590	430	-	86	242	28	61
1975	10	-	-	50,527	590	-	494	101	43	91
1976	-	-	-	49,465	790	111	719	751	24	88
1977	-	-	-	50,233	1,351	1	1,425	1,485	16	82
1978	-	-	-	43,938	893	2	1,529	1,529	15	94
1979	-	-	-	40,341	723	62	898	2,014	18	94
1980	-	-	-	37,584	757	60	1,123	2,005	37	92
Private Sector										
1972	393	1,313	1,738	3,479	10	3	249	105	7	23
1973	476	1,876	2,037	3,597	33	1	204	110	7	28
1974	380	1,669	1,574	4,367	79	-	176	225	10	31
1975	318	1,456	1,128	4,170	68	-	136	235	15	34
1976	215	1,240	1,069	4,179	55	-	128	210	14	51
1977	204	998	1,075	4,351	19	3	95	252	2	40
1978	163	784	856	4,302	25	7	125	353	3	34
1979	149	722	898	4,466	25	41	166	443	10	28
1980	209	798	894	5,434	20	37	176	442	19	32

8.5 FLOOR AREA OF BUILDINGS UNDER CONSTRUCTION

Thousand Square Metres

End of Year	Residential						Non-residential			
	Bungalow	Semi-detached	Terrace	Flats	Shophouses	Others	Commercial	Industrial	Educational	Others
Public and Private Sectors										
1972	145	322	328	3,387	51	6	1,993	712	81	236
1973	187	468	394	3,758	80	-	1,681	928	149	294
1974	160	421	329	4,324	86	-	1,640	1,228	231	255
1975	138	369	233	6,194	114	-	1,528	1,205	317	493
1976	98	309	216	6,144	147	10	1,531	1,427	210	629
1977	38	249	217	6,220	259	10	1,796	1,311	160	799
1978	20	191	172	5,569	177	21	1,752	1,289	201	768
1979	16	182	176	5,569	139	18	2,072	1,816	249	732
1980	25	176	176	5,880	136	25	2,346	2,241	367	695
Public Sector										
1972	-	1	-	2,583	48	-	183	276	22	178
1973	1	1	-	2,869	72	-	196	263	93	225
1974	-	-	-	3,220	66	-	397	485	181	190
1975	3	-	-	5,155	97	-	663	484	250	409
1976	-	-	-	5,149	133	10	521	756	151	457
1977	-	-	-	5,188	254	6	644	639	140	534
1978	-	-	-	4,613	171	11	305	465	167	581
1979	-	-	-	4,612	133	3	478	677	211	546
1980	-	-	-	4,682	131	14	513	836	311	593
Private Sector										
1972	145	321	328	804	3	6	1,810	436	59	58
1973	186	467	394	889	8	-	1,485	665	56	69
1974	160	421	329	1,104	20	-	1,243	743	50	65
1975	135	369	233	1,039	17	-	865	721	67	84
1976	98	309	216	995	14	-	1,010	671	59	172
1977	38	249	217	1,032	5	4	1,152	672	20	265
1978	20	191	172	956	6	10	1,447	824	34	187
1979	16	182	176	957	6	15	1,594	1,139	38	186
1980	25	176	176	1,198	5	11	1,833	1,405	56	102

8.6 NUMBER OF UNITS OF BUILDINGS COMPLETED

Year	Residential						Non-residential			
	Bungalow	Semi-detached	Terrace	Flats	Shophouses	Others	Commercial	Industrial	Educational	Others
Public and Private Sectors										
1972	283	428	337	23,175	356	9	648	198	9	87
1973	198	444	622	22,873	177	6	396	380	11	60
1974	244	734	1,042	28,682	439	2	342	229	18	74
1975	174	378	589	30,067	362	1	151	332	22	245
1976	180	292	268	33,257	373	1	484	208	36	70
1977	54	318	175	30,987	596	110	160	767	32	119
1978	83	309	322	32,738	790	4	837	1,214	17	65
1979	96	242	180	27,990	526	4	186	660	12	72
1980	61	212	340	19,861	311	11	592	1,655	16	74
Public Sector										
1972	-	-	-	22,574	356	8	582	36	4	75
1973	-	-	-	22,172	176	2	268	303	7	44
1974	1	2	-	27,903	439	1	253	140	10	58
1975	-	-	11	29,053	333	-	72	236	15	226
1976	10	-	-	31,966	360	-	379	76	25	58
1977	-	-	-	30,267	559	110	48	654	20	74
1978	-	-	-	30,875	789	1	769	1,059	13	36
1979	-	-	-	26,638	525	3	116	480	8	43
1980	-	-	-	18,311	300	3	506	1,392	12	49
Private Sector										
1972	283	428	337	601	-	1	66	162	5	12
1973	198	444	622	701	1	4	128	77	4	16
1974	243	732	1,042	779	-	1	89	89	8	16
1975	174	378	578	1,014	29	1	79	96	7	19
1976	170	292	268	1,291	13	1	105	132	11	12
1977	54	318	175	720	37	-	112	113	12	45
1978	83	309	322	1,863	1	3	68	155	4	29
1979	96	242	180	1,352	1	1	70	180	4	29
1980	61	212	340	1,550	11	8	86	263	4	25

8.7 FLOOR AREA OF BUILDINGS COMPLETED

Thousand Square Metres

Year	Residential						Non-residential			
	Bungalow	Semi-detached	Terrace	Flats	Shophouses	Others	Commercial	Industrial	Educational	Others
Public and Private Sectors										
1972	94	103	68	1,602	45	2	569	477	38	51
1973	71	109	118	1,848	23	6	586	561	38	145
1974	89	180	192	2,301	63	1	488	460	53	86
1975	68	101	122	3,081	58	1	806	606	70	122
1976	70	79	54	3,423	61	1	663	566	182	129
1977	78	80	34	3,274	100	4	353	769	169	321
1978	35	85	67	3,557	145	10	611	956	57	209
1979	39	56	35	3,002	99	12	423	637	63	175
1980	40	76	70	2,240	62	13	621	1,080	117	231
Public Sector										
1972	-	-	-	1,506	45	1	124	70	23	30
1973	-	-	-	1,712	22	-	110	220	6	125
1974	1	1	-	2,115	63	1	65	71	20	65
1975	-	-	1	2,839	51	-	156	183	57	103
1976	3	-	-	3,115	58	-	351	164	134	83
1977	-	-	-	3,138	91	4	131	380	129	273
1978	-	-	-	3,142	145	6	392	515	47	70
1979	-	-	-	2,719	99	11	105	195	41	114
1980	-	-	-	1,911	60	-	155	446	112	98
Private Sector										
1972	94	103	68	96	-	1	445	407	15	21
1973	71	109	118	136	1	6	476	341	32	20
1974	88	179	192	186	-	-	423	389	33	21
1975	68	101	121	242	7	1	650	423	13	19
1976	67	79	54	308	3	1	312	402	48	46
1977	78	80	34	136	9	-	222	389	40	48
1978	35	85	67	415	-	4	219	441	10	139
1979	39	56	35	283	-	1	318	442	22	61
1980	40	76	70	329	2	13	466	634	5	133

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								
1972	377	-	80	166	13	78	22	18
1973	151	-	12	49	3	62	22	3
1974	181	12	8	81	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	52	145	84	8	54	45	126
1979	466	42	74	136	16	52	32	114
1980	705	275	122	87	41	102	38	40
Buildings Under Construction (End of Period)								
1972	1,810	216	317	836	58	279	49	55
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	1,595	271	305	388	33	184	173	241
1980	1,833	390	352	345	69	243	179	255
Buildings Completed								
1972	444	203	50	91	11	40	44	5
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	65	15	36
1980	466	155	76	130	4	43	32	26

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	
1970	118,544	40,781	28,983	45,992	2,744	44	3,788
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

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		
1970	14,251	6,967	35
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

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 Authority while in Singapore. Goods transhipped by sea (ship to ship) at Singapore between other countries and Peninsular Malaysia have, however, been excluded from the external trade statistics since 1968.

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 Dollar

Region/Country	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
Total	12,289.6	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
South East Asia	3,316.0	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
Malaysia	2,443.2	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
Thailand	306.2	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
Brunei	79.9	122.9	113.3	123.8	156.9	285.6	291.9	438.1	585.2	834.9	1,016.0
Philippines	40.0	84.7	69.3	114.2	170.9	203.8	219.0	455.1	484.3	676.1	746.3
North East Asia	2,918.2	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
Japan	1,819.5	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
Hong Kong	382.5	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
Taiwan	164.2	192.4	296.3	440.1	519.7	514.7	703.6	876.1	1,081.8	1,434.8	1,918.3
People's Republic of China	454.9	453.3	456.5	701.6	769.7	780.5	754.4	815.1	906.2	1,263.7	1,990.0
Republic of Korea	74.4	80.3	75.8	156.4	288.2	251.8	389.4	573.9	734.7	924.3	1,206.6
South Asia	214.8	218.3	251.9	409.9	548.2	541.6	602.2	923.8	1,515.0	1,807.5	2,836.6
India	99.7	111.0	108.4	169.9	237.5	236.5	295.0	536.2	809.7	708.9	1,208.1
Pakistan	79.1	68.5	71.5	117.1	109.4	97.9	122.5	142.0	181.8	413.7	534.2
Sri Lanka	25.7	26.4	25.2	52.4	82.1	95.8	67.7	111.1	218.8	316.3	371.8
Bangladesh	..	..	25.0	46.3	69.1	68.7	81.0	81.7	234.8	284.6	576.7
West Asia	801.1	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
Saudi Arabia	91.6	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
Kuwait	368.9	401.4	435.2	373.2	1,241.1	637.7	406.7	391.5	458.5	1,870.5	3,026.3
Iraq	9.6	15.1	41.9	52.9	259.6	290.0	330.7	584.1	828.9	1,505.2	589.6
Iran	180.9	201.4	277.7	326.9	1,119.2	1,065.6	891.7	1,086.1	1,001.5	620.8	674.6
United Arab Emirates	7.3	13.7	22.2	143.4	271.4	312.1	255.1	313.0	353.2	513.7	1,090.6
Bahrein	66.9	86.0	87.4	88.5	186.7	148.5	311.0	314.8	308.2	490.8	735.7

9.1 TOTAL TRADE BY REGION AND SELECTED COUNTRY (continued)

Million Dollars

Region/Country	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
EEC	1,912.4	2,105.5	2,315.4	3,271.3	4,462.9	4,210.2	4,746.0	5,534.8	6,239.7	8,419.6	10,372.6
Federal Republic of Germany	389.4	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
United Kingdom	893.6	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
France	181.8	180.5	242.5	402.3	497.1	491.5	686.1	755.6	889.9	1,156.0	1,605.1
Netherlands	165.6	212.7	227.4	335.5	506.3	523.4	493.4	641.1	694.2	1,093.3	1,304.8
Italy	161.0	176.3	189.8	292.3	414.9	335.1	396.4	486.8	575.9	840.7	1,017.2
EFTA	204.8	229.5	242.6	384.8	569.1	523.8	692.1	792.2	847.1	1,190.0	1,670.9
Switzerland	75.6	76.9	94.7	134.3	182.7	196.6	226.4	267.5	344.2	406.9	554.1
Other Western Europe	123.9	96.6	98.8	177.6	229.2	200.0	294.1	400.4	433.5	546.4	704.6
Socialist Countries of Eastern Europe	301.8	241.3	221.1	358.5	466.3	288.2	431.3	451.6	563.6	743.7	904.8
USSR	174.8	147.8	125.6	197.7	262.2	144.2	208.4	259.4	311.9	447.2	558.1
North America	1,439.9	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
United States	1,342.1	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
Canada	97.9	111.9	109.6	141.3	253.5	231.3	310.7	334.2	358.2	449.9	555.9
LAFTA	94.4	95.2	108.7	196.0	323.8	259.3	357.2	548.6	542.1	771.0	762.0
Brazil	16.5	27.4	32.4	73.2	153.2	93.7	168.5	228.9	285.6	381.4	330.2
Oceania	614.1	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
Australia	500.5	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
New Zealand	61.6	65.4	94.6	120.4	250.8	299.8	258.3	281.6	328.5	560.8	939.1
Rest of the World	348.2	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

9.2 IMPORTS BY REGION AND SELECTED COUNTRY

Million Dollars

Region/Country	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
Total	7,533.8	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
South East Asia	1,655.0	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
Malaysia	1,403.5	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
Thailand	149.4	174.4	269.3	312.3	542.6	406.3	516.3	571.0	814.7	1,086.3	1,019.0
Brunei	1.9	2.4	8.0	18.8	4.9	5.8	52.1	145.5	226.8	379.2	424.2
Philippines	27.0	46.8	31.0	38.1	53.5	68.1	91.6	167.0	148.9	160.6	160.2
North East Asia	2,209.2	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
Japan	1,458.0	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
Hong Kong	188.5	200.8	242.8	354.0	470.9	427.8	536.7	651.2	731.4	836.5	1,055.1
Taiwan	126.7	148.6	228.9	339.8	348.6	383.6	536.9	583.8	732.6	984.2	1,216.3
People's Republic of China	385.5	406.7	399.1	573.2	643.9	682.0	659.0	670.4	775.5	894.1	1,332.1
Republic of Korea	39.7	33.8	31.5	80.2	144.9	144.9	206.8	260.3	334.6	423.9	584.7
South Asia	133.5	146.1	142.4	229.3	276.7	222.7	277.6	294.3	297.8	309.3	443.6
India	69.1	85.9	73.9	115.6	167.0	137.0	181.9	190.0	188.1	218.7	246.4
Pakistan	54.7	48.1	45.9	83.6	67.9	28.6	40.2	44.8	43.0	36.5	91.5
Sri Lanka	6.8	6.7	9.2	14.8	26.0	42.9	29.4	30.8	35.1	32.8	37.6
Bangladesh	..	..	5.6	6.9	5.3	4.9	15.1	10.9	18.5	8.7	42.8
West Asia	697.4	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
Saudi Arabia	79.4	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
Kuwait	360.5	392.3	425.4	356.9	1,216.5	601.3	333.4	308.4	355.9	1,698.4	2,838.6
Iraq	1.0	2.7	30.8	43.2	191.1	253.6	296.9	548.6	769.5	1,363.5	457.8
Iran	170.9	187.0	267.1	301.7	1,066.0	1,001.8	822.3	1,004.7	862.2	561.2	473.7
United Arab Emirates	0.5	0.3	7.5	104.2	156.0	182.6	21.3	44.2	35.8	31.8	484.4
Bahrain	62.0	77.5	78.1	76.2	162.2	107.7	240.4	254.0	251.5	390.7	667.3

9.2 IMPORTS BY REGION AND SELECTED COUNTRY (continued)

Million Dollars

Region/Country	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
EEC	1,172.0	1,401.6	1,430.9	1,763.3	2,683.3	2,501.0	2,430.4	2,799.0	3,465.8	4,328.2	5,538.7
Federal Republic of Germany	253.2	339.9	368.7	497.0	712.3	636.2	739.0	880.3	1,117.6	1,419.0	1,677.1
United Kingdom	569.1	633.3	635.9	692.7	996.3	956.0	851.2	957.0	1,116.8	1,347.3	1,771.2
France	86.5	94.0	113.0	162.8	234.2	266.8	284.0	310.7	441.4	484.3	699.0
Netherlands	93.6	143.1	125.6	146.5	274.6	280.5	219.5	241.5	280.8	373.9	520.8
Italy	91.8	112.6	109.7	168.5	237.1	211.7	185.2	243.4	318.6	423.7	484.2
EFTA	151.5	175.1	175.9	289.9	414.8	356.8	379.3	457.3	597.4	835.5	1,182.8
Switzerland	71.9	73.3	87.6	116.5	158.2	164.7	138.7	217.5	276.3	337.7	428.4
Other Western Europe	12.2	15.7	11.2	26.3	34.9	36.1	43.5	63.1	78.7	116.1	127.4
Socialist Countries of Eastern Europe	69.1	56.6	43.9	56.0	85.7	63.0	101.4	133.6	142.7	177.8	171.3
USSR	32.4	32.2	24.0	21.6	25.7	18.2	48.9	63.9	52.9	52.0	51.2
North America	588.8	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
United States	814.8	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
Canada	41.1	48.6	33.1	49.3	111.0	105.9	105.5	109.7	143.6	176.9	272.9
LAFTA	31.4	25.5	35.2	40.2	62.3	94.5	105.9	226.3	201.2	219.5	254.3
Brazil	12.7	14.2	20.3	27.5	48.1	43.5	64.7	107.3	137.0	129.7	168.2
Oceania	386.9	417.0	439.0	496.2	669.7	749.8	696.2	779.2	777.2	1,026.8	1,383.4
Australia	340.5	367.7	385.9	442.1	571.0	661.5	578.0	644.6	597.5	843.4	1,162.3
New Zealand	40.9	40.7	51.8	49.4	74.8	78.6	92.9	88.6	123.7	150.4	188.8
Rest of the World	159.8	146.3	144.0	191.1	194.2	215.4	258.2	272.5	357.5	483.1	714.9

9.3 EXPORTS BY REGION AND SELECTED COUNTRY

Million Dollars

Region/Country	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
Total	4,755.8	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
South East Asia	1,661.0	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
Malaysia	1,039.7	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
Thailand	156.8	159.6	214.4	201.0	343.2	445.4	486.0	562.1	894.1	1,320.5	1,809.3
Brunei	78.0	120.5	105.3	105.0	152.0	279.8	239.8	292.6	358.4	455.7	591.8
Philippines	13.0	37.9	38.3	76.1	117.4	135.7	127.4	288.1	335.4	515.5	586.1
North East Asia	709.0	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
Japan	361.5	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
Hong Kong	194.0	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
Taiwan	37.5	43.8	67.4	100.3	171.1	131.1	166.7	292.3	349.2	450.6	702.0
People's Republic of China	69.4	46.6	57.4	128.4	125.8	98.5	95.4	144.7	130.7	369.6	657.9
Republic of Korea	34.7	46.5	44.3	76.2	143.3	106.9	182.6	313.6	400.1	500.4	621.9
South Asia	81.3	72.2	109.5	180.6	271.5	318.9	324.6	629.5	1,217.2	1,498.2	2,393.0
India	30.6	25.1	34.5	54.3	70.5	99.5	113.1	364.2	621.6	490.2	961.7
Pakistan	24.4	20.4	25.6	33.5	41.5	69.3	82.3	97.2	138.8	377.2	442.7
Sri Lanka	18.9	19.7	16.0	37.6	56.1	52.9	38.3	80.3	183.7	283.5	334.2
Bangladesh	..	..	19.4	39.4	63.8	63.8	65.9	70.8	216.3	275.8	533.9
West Asia	103.7	140.0	134.2	207.9	525.3	633.0	874.5	1,050.3	1,299.7	1,984.2	2,475.8
Saudi Arabia	12.2	17.9	21.8	35.7	102.7	205.3	199.4	293.5	373.8	702.9	824.6
Kuwait	8.4	9.1	9.8	16.3	24.6	36.4	73.3	83.1	102.6	172.1	187.7
Iraq	8.6	12.4	11.1	9.7	68.5	36.4	33.8	35.5	59.4	141.7	131.8
Iran	10.0	14.4	10.6	25.2	53.2	63.8	69.4	81.4	139.3	59.6	200.9
United Arab Emirates	6.8	13.4	14.7	39.2	115.4	129.5	233.8	268.8	317.4	481.9	606.2
Bahrain	4.9	8.5	9.3	12.3	24.5	40.8	70.6	60.8	56.7	100.1	68.4

9.3 EXPORTS BY REGION AND SELECTED COUNTRY (continued)

Million Dollars

Region/Country	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
EEC	740.4	703.9	884.5	1,508.0	1,779.6	1,709.2	2,315.6	2,735.8	2,773.9	4,091.4	4,833.9
Federal Republic of Germany	136.2	113.7	171.3	303.4	428.2	481.5	647.9	769.1	759.7	1,054.2	1,247.0
United Kingdom	324.5	333.7	339.4	552.5	574.5	539.8	595.9	646.3	724.8	963.8	1,069.2
France	95.3	86.5	129.5	239.5	262.9	224.7	402.1	444.9	448.5	671.7	906.1
Netherlands	72.0	69.6	101.8	189.0	231.7	242.9	273.9	399.6	413.4	719.4	784.0
Italy	69.2	63.7	80.1	123.8	177.8	123.4	211.2	243.4	257.3	417.0	533.0
EFTA	53.3	54.4	66.7	94.9	154.3	167.0	312.8	334.9	249.7	354.5	488.1
Switzerland	3.7	3.6	7.1	17.8	24.5	31.9	42.7	50.0	67.9	69.2	125.7
Other Western Europe	111.7	80.9	87.6	151.3	194.3	163.9	250.6	337.3	354.8	430.3	577.2
Socialist Countries of Eastern Europe	232.7	184.7	177.2	302.5	380.6	225.2	329.9	318.0	420.9	565.9	733.5
USSR	142.4	115.6	101.5	176.1	236.4	126.0	159.5	195.5	259.0	395.2	506.9
North America	584.1	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
United States	527.3	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
Canada	56.8	63.3	76.5	92.0	142.5	125.4	205.2	224.5	214.6	273.0	283.0
LAPTA	63.0	69.7	73.5	155.7	261.6	164.8	251.3	322.3	340.9	551.5	507.7
Brazil	3.8	13.2	12.1	45.7	105.1	50.2	103.8	121.6	148.6	251.7	162.0
Oceania	227.2	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
Australia	160.0	257.2	294.8	329.2	687.7	637.2	831.2	990.6	928.5	1,149.5	1,670.8
New Zealand	20.7	24.7	42.8	71.0	176.0	221.2	165.4	193.0	204.8	410.4	750.3
Rest of the World	188.4	219.1	242.9	351.8	612.1	586.9	815.4	1,122.4	1,093.7	1,388.2	2,477.9

9.4 DOMESTIC EXPORTS BY REGION AND SELECTED COUNTRY

Million Dollars

Region/Country	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
Total	1,832.2	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
South East Asia	698.5	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
Malaysia	217.8	276.5	302.5	433.1	784.1	672.5	710.6	771.5	896.7	1,365.0	2,254.3
Thailand	109.5	91.5	133.4	125.7	255.6	268.6	260.8	317.8	479.0	812.3	1,307.6
Brunei	31.2	50.0	52.6	38.1	54.0	127.0	93.1	118.3	151.1	190.0	268.5
Philippines	2.7	11.2	17.1	33.8	73.2	63.3	48.6	174.8	195.8	288.0	340.8
North East Asia	348.5	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
Japan	216.5	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
Hong Kong	122.6	214.3	295.6	360.4	750.6	752.5	981.8	1,165.8	1,258.8	1,630.6	2,659.4
Taiwan	8.0	10.7	28.1	31.0	55.9	56.1	53.1	139.6	171.0	179.0	387.2
People's Republic of China	-	-	2.9	6.9	17.6	22.1	49.7	53.8	35.9	151.4	238.2
Republic of Korea	1.3	1.8	2.0	5.6	21.7	9.6	21.4	96.0	118.3	168.6	292.1
South Asia	36.6	31.0	45.9	83.7	138.7	164.2	149.5	248.9	655.4	717.5	1,411.7
India	11.5	8.4	17.6	20.3	30.1	60.9	61.8	144.7	349.4	224.2	676.3
Pakistan	7.3	4.9	6.1	13.5	15.6	25.8	31.3	36.2	55.2	111.4	126.8
Sri Lanka	15.1	14.4	11.5	29.2	46.8	38.9	23.6	42.6	115.8	164.6	193.1
Bangladesh	..	..	6.3	15.9	33.3	22.5	22.5	15.5	112.3	181.0	356.6
West Asia	36.7	56.6	70.3	105.2	313.2	368.9	504.0	609.3	771.6	1,265.2	1,449.4
Saudi Arabia	3.6	6.0	11.0	22.0	78.4	156.6	123.3	178.0	251.7	462.7	467.7
Kuwait	5.4	5.5	7.4	11.9	17.1	23.0	50.5	64.2	71.7	126.0	100.4
Iraq	5.5	9.8	8.4	6.7	17.3	18.2	14.0	16.8	32.1	84.0	77.4
Iran	0.7	0.6	1.5	3.0	17.7	20.4	35.1	26.1	59.0	20.8	60.7
United Arab Emirates	2.1	5.4	6.7	18.1	90.6	70.2	139.0	199.9	209.9	355.9	438.4
Bahrain	2.9	4.4	5.5	7.5	12.8	20.8	38.8	43.4	39.0	80.5	49.0

9.4 DOMESTIC EXPORTS BY REGION AND SELECTED COUNTRY (continued)

Million Dollars

Region/Country	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
EEC	215.3	220.8	376.9	705.8	1,006.1	1,087.8	1,336.8	1,565.6	1,591.1	2,358.6	3,078.0
Federal Republic of Germany	33.3	34.0	84.1	169.1	282.7	360.0	432.2	505.0	501.6	672.1	942.0
United Kingdom	113.9	111.2	140.5	255.2	301.0	334.3	363.2	359.6	442.5	666.1	690.1
France	11.4	18.5	51.3	92.3	137.7	114.7	193.9	211.4	208.4	343.4	489.6
Netherlands	27.9	31.4	51.7	92.8	136.3	162.9	154.1	218.6	220.9	328.6	454.3
Italy	13.7	15.8	25.0	48.9	84.5	52.4	74.6	105.0	118.4	199.5	320.8
EFTA	28.7	29.1	42.5	65.4	121.3	141.6	269.2	276.2	189.1	250.0	357.5
Switzerland	1.5	2.6	4.6	15.5	19.1	28.1	36.1	42.8	59.1	50.4	87.1
Other Western Europe	31.9	21.8	27.9	52.2	81.3	77.5	93.2	116.6	115.8	173.5	280.9
Socialist Countries of Eastern Europe	30.0	34.3	34.3	38.2	96.0	69.2	70.4	91.7	85.6	108.5	171.6
USSR	18.1	24.8	18.9	19.4	65.0	40.5	40.1	54.0	53.4	62.1	101.8
North America	215.6	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
United States	204.2	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
Canada	11.4	15.9	30.1	36.4	59.3	66.8	94.3	93.5	86.7	121.9	134.3
LAFTA	0.2	1.3	3.2	6.4	19.3	21.8	11.0	17.7	29.2	126.5	468.5
Brazil	-	0.7	1.7	2.2	5.3	3.1	5.9	8.6	12.1	79.6	26.4
Oceania	120.9	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
Australia	69.5	153.4	167.0	165.5	457.0	422.4	580.4	666.0	671.0	871.4	1,344.8
New Zealand	8.0	10.8	22.2	35.7	142.2	191.6	122.4	141.6	149.7	344.0	683.6
Rest of the World	69.7	104.5	124.5	147.9	326.7	388.2	501.7	744.9	620.6	820.4	884.4

9.5 IMPORTS BY COMMODITY

Million Dollars

Commodity	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
Total	7,533.8	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
Food	950.5	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
Cereals & Cereal Preparations	190.8	161.5	195.5	299.9	447.7	393.2	374.5	436.8	438.3	573.2	694.3
Fruits & Vegetables	229.4	236.7	250.3	280.7	338.7	376.8	445.7	487.8	547.2	599.3	674.1
Coffee & Spices	178.2	169.9	165.0	204.3	208.2	207.6	312.1	439.6	384.5	439.8	388.7
Beverages & Tobacco	127.9	137.3	128.2	112.7	117.9	130.3	139.4	150.0	176.0	207.3	276.0
Crude Materials	858.9	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
Crude Rubber	566.1	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
Wood	121.4	127.7	131.7	191.1	178.3	169.4	270.1	291.5	328.3	461.4	423.6
Mineral Fuels	1,014.9	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
Petroleum & Petroleum Products	1,012.9	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
Animal & Vegetable Oils	126.0	197.1	148.8	186.4	391.3	242.0	257.8	478.9	491.1	829.4	1,001.0
Unprocessed Vegetable Oils	116.7	187.1	139.6	174.7	367.3	198.0	186.6	272.7	190.0	414.0	239.6
Chemicals	386.9	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
Chemical Compounds	70.6	76.5	90.7	149.7	289.0	204.3	305.1	311.0	355.1	571.4	715.7
Plastic Materials	60.3	73.6	85.2	172.8	240.8	164.5	247.6	307.6	400.1	591.3	648.2
Manufactured Goods by Material	1,650.9	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
Textile Manufactures	810.1	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
Non-metal Mineral Manufactures	114.1	135.9	156.4	231.6	342.3	354.5	356.6	406.1	532.7	633.8	904.2
Iron & Steel	312.3	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
Metal Manufactures	160.6	206.0	246.8	267.2	425.9	497.5	458.1	524.8	621.6	800.5	1,072.2
Machinery & Transport	1,718.4	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
Non-electric Machinery	843.2	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
Electric Machinery	490.8	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
Transport Equipment	384.3	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
Miscellaneous Manufactured Articles	538.7	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
Scientific Instruments	191.5	222.0	303.1	360.4	540.8	491.8	580.6	657.0	825.5	973.7	1,373.4
Miscellaneous Transactions nes	160.7	183.3	223.9	165.9	233.9	272.9	267.3	425.7	356.4	510.9	667.4

9.6 EXPORTS BY COMMODITY

Million Dollars

Commodity	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
Total	4,755.8	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
Food	549.6	541.8	554.1	617.2	814.0	915.7	947.8	1,389.4	1,488.0	1,674.5	2,008.2
Cereals & Cereal Preparations	54.1	53.5	54.4	82.1	122.8	125.1	77.9	150.5	169.4	224.1	357.5
Fruits & Vegetables	102.5	110.3	113.9	114.0	137.8	150.6	165.3	191.9	205.1	223.3	252.8
Coffee & Spices	226.2	200.1	184.8	188.1	243.8	259.2	380.2	570.3	594.0	597.5	627.4
Beverages & Tobacco	71.6	69.0	66.0	37.4	38.6	40.9	48.9	65.2	99.9	131.6	157.2
Crude Materials	1,430.3	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
Crude Rubber	1,173.3	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
Wood	110.9	96.2	131.9	314.6	216.2	153.7	307.0	330.0	408.0	657.7	585.0
Mineral Fuels	822.6	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
Petroleum & Petroleum Products	818.4	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
Animal & Vegetable Oils	140.2	208.1	150.7	171.5	358.0	245.5	249.3	474.7	513.5	858.1	1,095.5
Unprocessed Vegetable Oils	138.6	205.1	147.3	168.2	349.0	232.7	217.3	386.5	347.8	684.6	840.6
Chemicals	128.9	184.6	218.0	393.6	917.1	475.7	609.8	716.1	870.5	1,124.3	1,418.5
Medicinal Products	22.1	28.9	33.4	84.4	161.8	173.9	194.0	213.7	233.5	267.5	323.3
Manufactured Goods by Materials	423.1	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
Wood Manufacture	56.1	78.6	118.4	234.5	199.7	200.7	279.6	297.5	351.4	482.5	549.2
Textile Manufactures	164.4	217.9	244.0	353.8	337.7	308.9	443.5	467.3	606.3	787.9	793.2
Iron & Steel	39.1	65.4	55.4	93.3	187.5	206.0	187.1	263.3	400.4	362.4	454.3
Metal Manufactures	63.5	73.2	74.6	101.8	143.9	158.3	175.7	228.5	287.1	389.5	450.7
Machinery & Transport	520.9	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
Non-electric Machinery	189.6	190.5	493.5	671.9	870.9	889.8	983.5	1,163.8	1,299.5	1,958.9	2,662.8
Electric Machinery	190.1	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
Transport Equipment	141.2	188.7	262.2	339.0	560.1	533.0	936.8	885.2	858.3	1,212.2	1,770.0
Miscellaneous Manufactured Articles	247.9	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
Clothing	94.7	138.6	223.0	319.7	310.5	277.8	448.7	514.1	672.2	811.0	912.8
Scientific Instruments	31.0	46.1	94.7	152.7	180.3	295.4	402.1	377.6	423.7	534.6	631.8
Miscellaneous Transaction nes	420.7	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

9.7 DOMESTIC EXPORTS BY COMMODITY

Million Dollars

Commodity	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
Total	1,832.2	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
Food	105.4	114.8	123.0	168.5	252.8	278.1	204.9	296.5	343.9	450.1	600.6
Animal Feeding Stuffs	34.4	40.2	40.3	49.2	54.8	36.5	34.7	65.0	64.6	74.8	83.6
Beverages & Tobacco	11.8	9.5	10.5	12.9	18.0	25.8	29.7	43.6	74.4	88.0	102.7
Crude Materials ¹	29.9	24.2	29.8	42.4	45.9	44.9	62.3	73.9	85.3	129.3	152.3
Mineral Fuels ²	792.2	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
Animal & Vegetable Oils	48.8	72.9	33.4	40.7	66.8	56.1	62.6	129.4	170.7	229.8	393.7
Chemicals	43.3	60.9	68.6	183.9	583.4	208.2	268.3	325.5	389.2	458.0	572.9
Medicinal Products	8.3	9.1	7.6	57.1	115.5	135.7	152.5	168.8	183.4	205.5	258.2
Plastic Materials	3.4	8.6	13.3	25.2	49.4	23.4	48.1	66.5	95.1	92.7	99.6
Manufactured Goods by Materials	169.9	210.7	266.4	437.6	462.5	486.2	627.6	769.8	1,024.5	1,197.7	1,322.7
Wood Simply Shaped	41.8	61.8	92.6	186.0	150.2	144.7	195.3	199.2	252.9	366.7	414.3
Textile Yarn Thread	3.3	13.3	22.9	62.4	47.0	43.9	84.5	76.4	101.7	152.8	137.9
Cotton Fabrics Woven	17.6	25.2	29.4	40.4	43.9	43.6	66.2	71.5	73.8	75.9	79.8
Machinery & Transport	197.6	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
Office Machines	34.0	3.5	268.5	335.8	323.1	175.3	155.8	173.4	156.0	195.5	263.7
Other Non-electric Machines	5.1	10.2	13.0	22.0	69.9	86.7	118.3	160.4	205.2	220.4	158.8
Electric Generators	7.5	19.4	39.6	60.9	88.4	87.6	126.2	166.6	193.9	230.4	330.2
Telecommunications Apparatus	20.5	60.4	152.5	223.4	342.2	348.3	501.8	715.6	939.2	1,473.6	1,976.9
Other Electric Machinery	112.3	223.4	190.6	539.3	843.0	592.2	955.4	1,224.4	1,448.1	2,045.7	2,387.8
Ships & Boats	10.0	29.4	54.3	65.2	188.6	279.2	537.0	479.9	290.7	455.7	587.7
Miscellaneous Manufactured Articles	144.5	216.8	373.5	547.1	621.6	668.3	934.6	1,062.8	1,284.0	1,567.2	1,886.5
Clothing	65.5	103.1	194.7	292.6	276.3	236.2	372.9	440.0	558.9	670.3	757.3
Scientific Instruments	0.6	7.4	49.4	91.7	95.7	131.8	113.7	125.2	114.9	197.3	235.8
Watches & Clocks	2.9	3.9	6.6	8.7	16.9	84.6	175.4	108.0	136.3	109.9	143.5
Printed Matters	15.3	25.6	28.2	32.7	50.0	42.1	48.5	87.7	75.0	77.3	90.5
Toys & Sporting Goods	3.1	6.4	12.7	16.5	23.3	23.7	35.2	78.6	84.7	97.3	147.9
Miscellaneous Transactions nes	288.8	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
Oil Bunkers	279.7	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

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
1970	61.2	103.5	60.2	82.2	147.4	91.2	564.0	33.2	436.9
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

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
1970	576.0	116.7	61.9	91.0	76.5	622.3	216.2	56.0	197.6
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

9.8 IMPORTS OF SPECIFIC COMMODITY (continued)

Million Dollars

Year	Industrial Machinery	Telecommunication Apparatus	Other Machinery and Equipment	Motor Vehicles	Ships, Boats and Oil Rigs	Clothing	Scientific Instrument	Watches and Clocks	Toys and Games
1970	378.6	109.2	528.8	276.8	61.7	70.7	79.3	88.3	33.8
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

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
1970	126.0	92.5	66.5	1,162.4	109.5	818.1	138.6	22.1	16.0
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

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
1970	38.4	54.1	12.1	128.2	24.5	10.4	45.6	40.6	70.0
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

9.9 EXPORTS OF SPECIFIC COMMODITY (continued)

Million Dollars

Year	Telecommuni- cation Apparatus	Other Machinery and Equipment	Motor Vehicles	Ships, Boats and Oil Rigs	Furniture	Clothing	Scientific Instrument	Watches and Clocks	Printed Matter
1970	35.8	178.3	121.0	15.7	6.0	94.7	10.3	14.5	25.9
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	114.5	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

9.10 VOLUME INDEX OF IMPORTS AND EXPORTS
(1972 = 100)

Commodity Section	1974	1975	1976	1977	1978	1979	1980	1980					
	Annual Average							1st Qtr	2nd Qtr	3rd Qtr	4th Qtr		
Imports													
	Total	130	122	133	143	159	185	213	205	207	220	219	
	Food	97	101	105	112	114	128	128	125	121	134	131	
	Beverages & Tobacco	90	88	88	88	97	103	124	122	136	121	116	
	Crude Materials	120	101	134	131	130	142	136	147	135	136	126	
	Mineral Fuels	97	82	96	98	105	111	107	110	101	118	100	
	Animal & Vegetable Oils	118	64	76	79	53	117	76	118	103	43	41	
	Chemicals	135	119	130	147	181	210	217	200	246	199	221	
	Manufactured Goods	124	121	119	126	149	163	183	160	184	197	189	
	Machinery & Equipment	170	155	174	188	220	143	315	263	299	326	372	
	Miscellaneous Manufactures	124	143	166	150	133	154	167	139	150	156	222	
	Miscellaneous	152	136	132	157	160	167	219	182	218	240	235	
	Exports												
		Total	134	123	146	169	189	227	266	262	264	269	267
		Food	96	102	96	121	135	149	155	162	152	156	150
Beverages & Tobacco		59	59	66	85	121	145	153	157	153	149	154	
Crude Materials		117	101	116	123	125	129	124	132	123	126	113	
Mineral Fuels		111	86	91	111	123	138	136	146	145	127	125	
Animal & Vegetable Oils		98	69	82	104	88	165	215	278	220	209	152	
Chemicals		128	88	118	140	175	200	200	206	196	205	193	
Manufactured Goods		119	133	159	169	224	240	276	260	290	271	282	
Machinery & Equipment		204	178	202	256	322	404	527	467	521	534	585	
Miscellaneous Manufactures		111	91	124	131	161	168	160	147	161	170	162	
Miscellaneous		150	122	161	216	261	262	312	301	282	336	327	

9.11 UNIT VALUE INDEX OF IMPORTS AND EXPORTS
(1972 = 100)

Commodity Section	1974	1975	1976	1977	1978	1979	1980	1980				
	Annual Average							1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	
Imports												
	Total	167	167	175	189	195	210	246	236	247	249	252
	Food	154	158	169	190	184	187	214	212	221	206	217
	Beverages & Tobacco	113	118	124	134	141	160	175	169	162	184	183
	Crude Materials	173	147	187	212	230	265	295	314	299	284	282
	Mineral Fuels	368	417	460	482	484	634	1,013	916	1,006	1,031	1,099
	Animal & Vegetable Oils	226	216	178	247	257	255	239	265	228	218	246
	Chemicals	190	191	177	183	180	203	243	218	232	274	246
	Manufactured Goods	152	150	145	150	160	178	199	195	193	201	207
	Machinery & Equipment	124	120	124	135	148	156	162	171	168	154	154
	Miscellaneous Manufactures	149	144	147	189	245	199	247	230	259	273	225
	Miscellaneous	121	134	161	166	198	225	251	265	251	235	254
	Exports											
		Total	175	170	181	196	203	217	249	242	249	250
Food		151	158	176	208	197	190	215	214	212	215	218
Beverages & Tobacco		114	113	115	121	127	138	156	146	148	166	163
Crude Materials		193	150	202	219	237	295	324	334	344	308	310
Mineral Fuels		287	337	353	371	365	452	747	646	721	798	821
Animal & Vegetable Oils		240	231	196	296	390	350	345	310	350	351	370
Chemicals		209	198	257	271	255	270	332	293	333	337	363
Manufactured Goods		152	138	143	159	171	192	203	202	193	208	208
Machinery & Equipment		118	126	134	134	143	148	150	149	145	153	152
Miscellaneous Manufactures		126	139	160	176	187	215	252	251	246	259	253
Miscellaneous		178	170	174	163	154	186	208	207	214	200	212

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 International Airport 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 disembarkation forms submitted 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 vehicles is compulsory and except for bicycles, licensing is renewable every six months or a year with the Registry of Vehicles.

Road Casualties

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

10.1 VESSELS REGISTERED IN SINGAPORE
(End of Period)

Tonnage Class (Gross Registered Tons)	1976		1977		1978		1979		1980	
	Number	'000 GRT	Number	'000 GRT	Number	'000 GRT	Number	'000 GRT	Number	'000 GRT
Total	1,580	6,675	1,780	7,514	1,742	7,959	1,583	7,690	1,552	7,420
Non-propelled or Below 100	804	362	904	409	813	389	731	350	765	392
100 & Above	776	6,313	876	7,105	929	7,570	852	7,340	787	7,028

Source: Marine Department

10.2 AGE DISTRIBUTION OF VESSELS REGISTERED IN SINGAPORE, DECEMBER 1980

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	462	1,463	564	3,309	193	865	109	641	137	800	60	290	27	52
Non-propelled or Below 100	335	186	345	173	71	28	5	3	3	1	1	-	5	1
100 to Below 500	27	6	57	14	23	6	25	7	7	3	2	1	4	1
500 to Below 1,000	8	6	13	11	19	17	14	12	14	13	3	2	3	3
1,000 to Below 5,000	21	63	36	103	32	85	27	60	40	91	25	56	12	24
5,000 to Below 10,000	26	192	39	315	18	144	22	182	52	424	27	208	3	23
10,000 & Above	45	1,010	74	2,693	30	585	16	377	21	268	2	23	-	-

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	Total	Powered Vessels	Non-powered Vessels
1970	2,320	54	2,069	197	932	571	361
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	2,287	28	2,001	258	737	499	238
1976	2,308	26	1,996	286	709	493	216
1977	2,233	26	1,910	297	736	539	197
1978	2,995	28	2,490	477	719	546	173
1979	2,923	24	2,436	463	685	546	139
1980	2,877	21	2,398	458	641	511	130

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
1970	34,068	74,274	33,928	73,499	18,422	73,847	18,269	73,037	15,646	427	15,659	462
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

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
1970	27,278.2	6,359.2	20,919.0	16,255.8	4,160.2	12,095.6
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

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	1976		1977		1978		1979		1980	
	Discharged	Loaded	Discharged	Loaded	Discharged	Loaded	Discharged	Loaded	Discharged	Loaded
ALL COUNTRIES	37,703.1	20,273.4	39,833.8	24,284.8	44,832.5	28,506.7	48,424.4	31,388.4	48,550.0	32,412.5
South East Asia	4,224.6	3,132.8	3,112.0	3,846.0	4,457.4	5,216.1	6,997.1	6,214.4	6,072.8	7,335.7
Peninsular Malaysia (West Coast)	192.9	689.5	186.6	857.1	189.1	914.3	446.6	1,386.9	604.9	2,172.2
Peninsular Malaysia (East Coast)	774.3	273.7	485.8	185.4	1,168.5	187.9	2,317.4	263.1	1,755.6	250.8
Sabah-Sarawak	1,855.0	870.0	710.4	827.1	877.8	964.8	1,435.9	1,079.9	1,170.4	1,290.8
Thailand	863.3	855.4	720.4	1,163.5	1,069.7	2,001.6	1,300.7	2,440.5	1,299.4	2,482.6
North East Asia	4,998.7	8,386.4	5,237.9	9,903.9	5,676.3	11,057.7	6,364.2	11,694.7	8,074.6	11,388.5
China People's Republic	630.0	35.5	495.6	59.4	489.9	82.2	550.4	115.8	856.1	185.4
Hong Kong	386.5	3,617.4	432.2	4,384.9	539.9	4,337.1	696.4	4,911.5	821.4	5,669.2
Japan	3,140.5	4,487.0	3,393.5	4,453.4	3,560.0	5,535.7	3,965.7	5,784.1	4,879.5	4,181.6
Taiwan	470.3	134.0	620.1	546.1	616.8	583.1	565.1	313.5	861.4	707.4
South Asia	515.4	324.1	466.9	726.8	487.4	1,951.2	418.5	1,948.7	586.4	2,576.9
Red Sea & Persian Gulf Area	24,170.4	1,174.7	26,386.3	1,571.8	28,665.6	1,822.0	28,491.2	2,174.4	25,968.1	2,211.3
Bahrain	1,290.3	81.6	1,395.0	80.9	1,218.9	61.9	1,591.1	183.7	1,662.3	60.1
Iran	2,610.1	65.4	3,899.4	71.9	2,978.6	83.3	2,221.0	80.4	1,198.5	92.2
Kuwait	1,208.7	76.7	1,261.2	79.4	1,782.7	108.2	5,569.9	138.2	5,860.8	187.9
Saudi Arabia	18,370.4	356.8	17,009.1	571.0	17,760.9	685.8	15,585.4	768.5	15,243.6	803.8
Mediterranean Sea (excluding France)	231.2	366.0	261.8	442.5	306.5	367.9	406.4	551.3	496.0	578.8
Other Africa	514.7	357.5	567.8	426.1	636.5	419.9	601.9	409.0	924.4	544.9
Atlantic Europe	930.8	1,148.1	1,154.7	1,142.1	1,536.1	1,513.1	1,733.2	1,980.6	2,015.0	2,037.4
France	76.6	205.6	136.4	238.5	166.8	252.0	180.1	354.4	226.5	426.5
Germany Federal Republic	289.4	206.3	322.5	211.7	519.3	279.1	551.5	337.7	560.9	368.3
Netherlands	188.4	284.5	205.5	288.2	289.5	432.4	353.2	658.3	485.0	811.6
United Kingdom	307.3	358.8	378.7	333.9	408.6	435.2	388.9	469.2	477.7	321.6
Northern Europe	37.3	35.2	46.3	68.4	140.7	86.1	138.5	118.1	117.9	116.7
Soviet Union & Other Eastern Europe	67.1	166.2	86.2	127.5	104.8	146.6	157.5	182.3	134.2	185.1
Oceania	1,002.5	3,610.4	927.9	3,660.3	1,108.8	3,636.8	1,328.6	4,472.1	1,689.4	4,264.8
Australia (West Coast)	350.6	825.1	145.9	439.3	229.5	620.1	206.8	764.6	218.8	713.5
Australia (East Coast)	533.9	1,400.4	643.3	1,661.8	665.2	1,450.5	917.3	1,470.5	1,289.8	1,138.2
New Zealand	78.6	358.6	57.1	374.7	108.8	344.0	123.8	847.9	94.7	964.4
North America	794.1	1,398.4	1,078.9	2,181.6	1,296.1	2,103.6	1,303.4	1,408.8	1,942.5	965.8
United States (Atlantic Ports)	338.1	467.7	462.0	581.9	559.5	827.1	506.3	455.0	708.1	516.4
United States (Pacific Ports)	313.5	497.1	464.6	1,241.7	403.9	922.6	531.3	620.0	827.1	287.0
Central & South America	216.3	173.6	507.1	187.8	416.3	185.7	483.9	234.0	528.7	206.6

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			
1970	3,607	13,506	170,120	512,164	167,208	521,422	304,098	138	1,227	232	1,484
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

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

Tonnes

Country of Origin or Destination	1976		1977		1978		1979		1980	
	Discharged	Loaded	Discharged	Loaded	Discharged	Loaded	Discharged	Loaded	Discharged	Loaded
Total	31,431	45,181	35,361	53,142	58,734	64,359	78,301	79,786	90,713	91,062
Australia	1,746	3,955	2,584	3,993	3,445	4,834	5,310	5,700	5,176	5,979
France	399	2,148	412	1,806	1,071	2,150	1,367	2,737	1,614	3,446
Germany	824	2,839	1,350	3,160	2,416	3,513	2,419	4,075	2,458	4,212
Hong Kong	4,258	2,118	5,717	3,784	8,444	5,798	10,503	6,127	12,332	4,970
India	237	330	271	543	2,720	807	2,559	1,070	2,114	1,356
Indonesia	2,091	9,613	2,090	11,059	3,304	11,494	6,110	9,942	8,743	12,784
Italy	231	550	259	701	749	878	953	1,083	589	1,040
Japan	4,264	1,959	4,991	2,308	8,107	2,704	11,153	4,178	16,002	5,181
Malaysia	2,533	4,769	2,576	5,286	4,205	6,270	4,829	8,393	5,081	9,584
Netherlands	1,406	1,993	1,416	2,847	1,950	2,984	3,228	3,742	3,533	4,030
New Zealand	293	358	391	485	882	882	1,097	1,127	1,133	1,096
Philippines	163	1,053	316	1,105	1,138	988	1,363	1,548	1,485	1,555
Scandinavia	691	1,102	1,380	1,647	1,907	1,624	1,779	1,701	1,652	1,791
Switzerland	328	342	476	523	1,449	687	1,523	1,084	2,169	1,700
Taiwan	1,472	531	1,568	702	3,388	775	4,399	1,096	4,991	1,215
Thailand	1,997	1,325	2,232	1,524	3,452	2,081	3,758	3,062	4,655	5,192
United Kingdom	1,533	1,890	1,664	2,189	1,974	3,547	2,378	4,110	2,407	5,007
United States	3,077	1,530	3,098	2,283	5,111	3,367	7,844	4,732	7,644	4,515
Other Countries	3,888	6,776	2,570	7,197	3,022	8,976	5,729	14,279	6,935	16,409

Note: Data exclude air cargo in transit.

10.9 ARRIVALS AND DEPARTURES OF AIR AND SEA PASSENGERS

Year	Arrivals			Departures			Number
	Total	Air	Sea	Total	Air	Sea	
1970	546,019	512,164	33,855	573,226	521,422	51,804	
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	

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	1976		1977		1978		1979		1980	
	Arrivals	Departures	Arrivals	Departures	Arrivals	Departures	Arrivals	Departures	Arrivals	Departures
Total	1,453,773	1,480,925	1,667,453	1,692,747	1,917,769	1,931,426	2,129,750	2,138,249	2,436,322	2,473,586
Brunei & Sabah-Sarawak	108,934	111,581	125,126	129,558	135,621	142,543	157,363	160,996	170,159	173,683
Indonesia	407,326	404,510	466,800	458,140	519,931	509,517	513,259	495,842	560,955	545,890
Thailand	188,439	184,966	205,562	191,888	237,680	221,364	253,707	247,373	286,277	283,721
Philippines	49,307	51,653	65,852	67,150	92,627	87,789	112,602	101,128	126,919	112,774
India, Pakistan & Sri Lanka	57,858	63,395	65,886	70,656	84,574	87,157	101,193	104,431	116,386	130,914
Hong Kong	157,810	162,997	181,211	191,172	211,573	206,966	222,647	217,313	281,191	274,136
Japan	59,577	50,679	77,429	74,402	85,554	82,992	141,614	138,663	167,344	162,464
Other Countries in Asia	50,389	53,653	61,731	68,644	87,089	93,072	110,097	112,768	117,981	124,195
Oceania	170,514	213,489	181,733	230,737	199,080	240,567	212,176	242,087	249,632	287,936
United Kingdom	85,191	68,774	97,090	73,854	107,022	99,196	107,696	108,194	113,202	107,314
Netherlands	24,843	21,007	35,889	30,663	43,187	40,906	48,251	46,054	55,590	50,995
Other Countries in Europe	81,457	82,552	92,541	95,582	107,060	110,046	126,725	129,765	145,530	143,499
Other Countries	12,128	11,669	10,603	10,301	6,771	9,311	23,057	33,635	45,156	76,065

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

10.11 SEA PASSENGERS BY COUNTRY OF EMBARKATION AND DISEMBARKATION

Number

Country of Embarkation or Disembarkation	1976		1977		1978		1979		1980	
	Arrivals	Departures	Arrivals	Departures	Arrivals	Departures	Arrivals	Departures	Arrivals	Departures
Total	71,442	63,890	58,344	54,410	64,234	61,185	72,954	63,995	96,424	81,924
Brunei & Sabah-Sarawak	1,978	2,629	1,244	1,564	545	861	56	122	23	48
Indonesia	52,349	46,068	39,791	37,195	46,290	42,512	55,148	42,163	82,721	62,469
India, Pakistan & Sri Lanka	3,719	3,801	2,725	3,039	5,635	7,416	7,554	12,053	5,607	9,831
Hong Kong	1,004	963	885	759	504	302	496	487	1,394	351
People's Republic of China	1,851	3,144	1,956	3,593	2,194	3,783	2,144	4,260	2,117	4,458
Oceania	9,014	6,283	11,569	8,130	8,775	6,150	6,138	3,703	3,749	3,780
Other Countries	1,527	1,002	174	130	291	161	1,418	1,207	813	987

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

10.12 VISITORS BY CITIZENSHIP
(By Air and Sea)

Thousand

Citizenship	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
Total	521.7	632.1	783.0	984.7	1,087.4	1,169.3	1,320.6	1,506.7	1,831.7	2,003.0	2,287.0
Malaysia	51.6	59.9	71.4	87.9	95.7	91.0	97.0	111.0	285.7	350.1	384.1
Brunei	3.6	4.3	5.2	6.2	7.7	11.0	13.6	15.5	15.0	16.3	17.4
Indonesia	72.4	85.6	90.7	117.9	146.3	175.5	210.1	260.2	293.7	246.7	300.5
Thailand	4.7	6.6	9.5	11.3	14.6	22.0	26.8	31.8	36.1	51.4	53.5
Philippines	7.4	12.0	11.8	11.1	16.0	18.3	21.3	25.0	31.2	37.2	42.6
India	24.5	23.5	23.7	27.5	31.0	32.9	31.3	34.8	52.6	67.4	84.0
Pakistan	1.6	1.9	1.9	3.4	3.6	3.9	4.6	5.9	7.9	10.5	14.1
Sri Lanka	3.6	4.0	5.5	7.2	7.4	7.8	7.9	8.9	11.4	13.6	15.8
China & Taiwan	9.2	17.7	22.3	25.1	26.8	28.5	29.5	35.6	34.9	58.1	62.2
Japan	32.7	45.1	70.3	113.4	110.1	119.9	141.5	190.6	202.7	244.3	279.8
Australia	61.5	76.9	104.7	140.6	150.9	166.2	190.1	190.8	187.6	171.6	197.2
New Zealand	8.3	9.0	12.9	16.9	22.2	24.2	28.6	35.9	39.1	46.2	50.8
United Kingdom	63.2	88.7	113.2	125.3	133.5	122.6	124.2	132.2	148.2	160.5	175.4
UK Dependencies nec	9.3	11.3	12.9	16.1	17.7	18.1	20.0	22.7	30.9	37.3	50.0
France	8.7	11.1	14.7	21.8	24.0	28.2	35.1	37.7	40.6	45.2	43.6
Federal Republic of Germany	9.9	14.1	18.8	24.4	29.9	35.4	39.8	45.0	54.2	61.1	69.2
Italy	4.9	6.3	8.7	11.2	12.2	14.9	13.6	15.8	21.1	22.3	25.4
Netherlands	9.7	13.1	17.0	20.7	22.2	25.8	31.0	38.1	43.3	48.8	53.6
Other European Countries	21.2	24.0	31.3	40.0	43.7	45.6	54.5	62.6	72.2	87.7	98.3
United States	89.1	91.4	105.3	117.8	126.0	130.5	147.3	143.3	144.4	135.5	153.7
Canada	8.0	7.7	9.7	11.4	13.0	14.9	16.9	19.3	19.6	19.8	23.7
Other Countries	16.6	17.9	21.5	27.5	32.9	32.1	35.9	44.0	59.3	71.4	92.1

Note: Figures prior to 1978 exclude Malaysian visitors embarking direct from Peninsular Malaysia.

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

Thousand

Country of Residence	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
Total	521.7	632.1	783.0	984.7	1,087.4	1,169.3	1,320.6	1,506.7	1,831.7	2,003.0	2,287.0
Malaysia	66.4	76.0	87.6	105.6	113.9	109.7	115.3	128.4	301.3	365.9	400.5
Brunei	6.4	7.9	10.0	12.3	13.8	18.1	21.6	24.4	27.0	29.1	31.0
Indonesia	81.2	98.5	107.6	139.1	172.2	207.2	245.7	300.4	334.9	284.0	339.3
Thailand	8.8	11.3	14.6	16.6	20.2	27.4	32.2	36.7	40.5	56.3	58.9
Philippines	9.4	14.4	14.2	12.8	17.8	20.0	23.3	27.2	34.1	40.7	46.1
India	20.0	18.7	18.8	21.8	24.3	25.6	23.3	24.5	39.7	52.9	67.8
Pakistan	1.8	2.0	1.8	3.1	3.3	3.7	4.1	5.2	7.0	9.3	12.7
Sri Lanka	3.3	3.5	4.7	6.4	6.5	6.8	6.7	7.3	9.1	11.5	13.5
China & Taiwan	4.8	8.7	11.1	12.9	15.8	17.1	18.1	23.2	30.2	51.4	56.0
Hong Kong	16.9	24.6	29.7	35.7	36.1	37.2	40.2	44.1	48.3	58.1	77.5
Japan	33.6	46.2	71.3	113.4	109.3	118.7	139.5	188.9	199.0	238.7	273.8
Other Countries in Asia	12.9	12.6	14.0	17.1	20.0	18.5	20.7	30.1	44.7	56.8	70.7
Australia	77.0	106.5	139.4	174.1	184.3	194.2	217.0	216.1	212.3	190.9	219.9
New Zealand	8.8	11.2	16.8	21.6	27.4	28.8	34.7	44.1	47.9	56.5	58.8
United Kingdom	37.1	47.9	65.8	76.2	83.2	74.4	72.8	78.2	88.6	104.0	113.9
France	5.9	8.0	11.2	17.3	19.0	22.7	28.8	31.0	33.3	37.5	36.0
Federal Republic of Germany	7.5	11.0	15.3	20.2	25.5	31.0	35.6	39.9	49.5	56.5	64.5
Italy	4.4	5.7	7.8	10.5	11.4	14.0	12.8	15.0	19.7	21.2	24.6
Netherlands	6.3	8.6	11.2	14.1	15.2	18.5	23.1	29.6	34.7	40.4	44.8
Other European Countries	17.2	18.7	25.4	33.2	37.4	39.5	48.9	56.3	65.8	81.1	90.5
United States	76.6	76.2	87.1	98.6	104.1	106.2	122.3	118.1	118.9	111.5	127.7
Canada	6.8	6.2	7.9	9.5	11.1	12.7	14.6	16.4	16.4	15.7	18.6
Other Countries	8.6	7.7	9.7	12.6	15.6	17.3	19.3	21.6	28.8	33.0	39.9

Note: Figures prior to 1978 exclude Malaysian visitors embarking direct from Peninsular Malaysia.

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

Thousand

Country of Embarkation	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
Total	521.7	632.1	783.0	984.7	1,087.4	1,169.3	1,320.6	1,506.7	1,831.7	2,003.0	2,287.0
Peninsular Malaysia	60.8	71.6	81.1	106.7	115.5	122.9	128.8	148.5	338.0	387.2	462.2
Brunei & Sabah-Sarawak	46.1	53.6	60.8	66.2	71.7	78.7	84.6	98.5	102.4	119.2	126.3
Indonesia	117.4	157.0	182.5	238.4	291.4	335.9	371.7	415.9	451.2	424.5	471.5
Thailand	58.8	60.1	80.5	109.8	120.1	119.7	137.2	154.1	175.4	180.5	203.2
Philippines	18.4	22.2	20.4	23.0	29.7	34.1	36.9	45.7	59.2	72.0	79.0
India, Pakistan & Sri Lanka	23.9	24.2	24.8	32.5	36.7	39.6	42.4	47.5	66.0	77.9	84.9
Hong Kong	45.7	51.7	60.6	73.3	71.9	78.1	93.1	106.9	118.0	125.5	153.3
Taiwan	5.2	5.0	7.5	8.0	10.2	12.5	16.7	19.2	22.0	29.1	32.5
Japan	11.6	15.0	28.2	47.5	47.0	56.2	72.5	99.8	106.2	148.3	173.7
Other Countries in Asia	17.9	14.5	14.7	17.6	21.6	17.8	16.1	22.9	31.9	45.3	48.8
Australia & New Zealand	66.1	89.1	107.2	124.0	125.2	126.9	147.6	156.3	158.8	160.6	189.3
United Kingdom	21.1	33.4	69.7	74.2	74.3	64.6	68.6	76.7	78.2	83.4	88.6
Other Countries in Europe	24.1	28.5	38.1	55.0	57.0	62.0	77.5	92.8	100.9	117.2	133.9
United States	2.6	3.1	3.2	3.3	7.9	10.9	14.7	11.6	6.5	14.6	24.2
Africa	0.3	0.4	0.3	0.4	1.3	1.5	1.1	0.3	0.5	0.8	1.3
Other Countries	1.7	2.7	3.4	4.8	5.9	7.9	11.1	10.0	16.5	16.9	14.3

Note: Figures prior to 1978 exclude Malaysian visitors embarking direct from Peninsular Malaysia.

10.15 VISITORS BY PURPOSE OF VISIT
(By Air and Sea)

					Number
Year	Total	Vacation	Business	Business/Vacation	Others
1970	521,654	317,312	83,206	46,617	74,519
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	1,831,676	1,145,212	217,760	138,253	330,451
1979	2,002,999	1,262,102	249,544	139,880	351,473
1980	2,287,015	1,464,464	284,008	149,251	389,292

Note: Figures prior to 1978 exclude Malaysian visitors embarking direct from Peninsular Malaysia.

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	
1970	521.7	62	4,710	70.7	1,376.5	3,170.4
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	1,831.7	72	11,505	86.5	5,758.4	12,574.3
1979	2,003.0	72	12,159	85.4	7,304.6	14,414.9
1980	2,287.0	69	12,756	86.1	9,671.3	17,576.1

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)

Country of Embarkation	Number									
	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
Total	77,920	97,671	127,509	148,192	173,221	186,369	208,973	230,167	265,283	299,876
Peninsular Malaysia	3,163	3,836	4,106	4,241	3,662	3,749	3,807	-	-	-
Brunei & Sabah-Sarawak	9,943	10,035	10,968	13,185	16,008	18,378	20,347	20,194	23,581	26,939
Indonesia	18,845	23,297	34,863	47,982	56,689	56,069	57,012	53,955	65,075	77,322
Thailand	6,108	9,144	14,223	17,964	24,837	25,111	27,693	31,578	37,585	41,477
Philippines	828	749	1,182	3,025	4,498	7,544	11,842	11,722	13,358	13,822
India, Pakistan & Sri Lanka	7,685	8,662	10,740	9,897	9,976	11,374	13,483	14,237	17,832	22,204
Hong Kong	14,653	17,758	21,833	20,220	23,161	28,862	32,819	32,255	40,177	50,458
Taiwan	1,452	2,089	4,047	4,985	5,467	6,188	6,603	7,511	9,672	11,174
Japan	1,092	1,316	1,960	1,854	1,897	2,141	3,327	3,288	4,765	6,936
Other Countries in Asia	4,906	5,841	7,374	7,834	5,852	3,359	5,607	6,375	7,038	7,442
Australia & New Zealand	4,284	4,736	5,135	5,717	6,071	7,131	8,189	8,159	9,477	13,019
United Kingdom	2,492	7,095	7,234	6,965	8,135	8,680	10,443	10,907	11,652	11,889
Other Countries in Europe	1,967	2,030	2,648	2,744	3,274	4,022	5,100	5,931	7,004	8,410
United States	122	85	178	459	643	791	810	1,046	3,860	6,485
Africa	25	26	13	11	27	64	22	27	76	30
Other Countries	355	972	1,005	1,109	3,024	2,906	1,869	22,982	14,131	2,269

Note: Figures prior to 1978 exclude returning residents of Singapore and Malaysian citizenship embarking direct from Peninsular Malaysia. From 1978, all returning residents embarking direct from Peninsular Malaysia are excluded.

10.18 PUBLIC ROADS

End of Year	Total	Major Arterial Roads	Collector Roads	Kilometres	
				Local Roads Improved	Local Roads Unimproved
1970	1,938	240	113	1,011	574
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	2,167	257	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	2,285	313	142	1,502	328
1980	2,314	342	142	1,522	308

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								
1970	290,423	142,568	5,048	2,942	34,119	105,214	532	399,156	372,276	21,117	5,763
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

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
1970	287	9,932	131	3,119	21	945	80	3,364	53	2,465	2	39
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

¹ Include trishaw riders and passengers.

Source: Police Department

10.21 POSTAL ARTICLES HANDLED

Thousand

Year	Total	Letters	Postcards	Printed Matters	Airmail Corres- pondence 1st Class	Registered Articles	Parcels	Unregistered Government Franked Corres- pondence	Others
1970	239,058	56,198	2,026	100,372	42,153	7,061	1,757	29,480	11
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

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		
1970	176	910	33	103	255	161
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

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. Prior to the establishment of the Authority on 1 January 1971, the banking schedules were submitted to the Commissioner of Banking under the Ministry of Finance.

Finance Companies

Finance Companies Statistics are compiled from monthly returns submitted to The Monetary Authority of Singapore under the Finance Companies Act. Prior to the formation of the Authority in January 1971, these statistical returns were submitted to the Commissioner of Finance Companies under the Ministry of Finance.

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 40.

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
1970	753.1	699.9	53.2	681.9	90.5
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

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

Source: Board of Commissioners of Currency

11.2 MONEY SUPPLY

Million Dollars

End of Year	Money Supply (M2)	Money Supply (M1)			Quasi Money ²
		Total	Currency in Active Circulation ¹	Demand Deposits of Private Sector	
1970	3,782.6	1,574.3	681.9	892.4	2,208.3
1971	4,204.6	1,759.9	806.0	953.9	2,444.7
1972	5,281.7	2,384.8	1,004.8	1,380.0	2,896.9
1973	6,103.2	2,632.7	1,144.4	1,518.3	3,470.5
1974	6,924.8	2,858.8	1,306.4	1,552.4	4,066.0
1975	8,164.2	3,472.2	1,637.7	1,834.5	4,692.0
1976	9,202.5	4,000.0	1,946.8	2,053.2	5,520.5
1977	9,806.3	4,412.1	1,242.6	2,169.5	5,394.2
1978	10,862.3	4,925.9	2,582.8	2,343.1	5,936.4
1979	12,899.5	5,706.1	2,941.2	2,764.9	7,193.4
1980	16,065.1	6,134.7	3,137.0	2,997.7	9,930.4

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.

2 Refers to fixed, savings and other deposits of private sector and includes S\$ negotiable certificates of deposit from May 1975.

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	
1970	232.6	540.2	297.1	243.1	78.0	52.1	25.9	153.5	-103.5	-86.4
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	744.1	510.5	233.6	297.6	1,382.8	-1,085.2	1,774.3	-205.8	-189.1
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

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

End of Year	Million Dollars			
	Total Foreign Reserves	Special Drawing Rights ¹	Reserve Position in the International Monetary Fund	Gold and Foreign Exchange
1970	3,097.9	-	23.0	3,074.9
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

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
1970	1.0000	3.0942	7.4137	0.8485	0.5596	0.8639	0.5095	3.4460
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

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

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
Total	5,041.6	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
Cash	43.2	45.8	62.8	70.4	97.1	107.0	105.3	115.1	154.6	161.1	272.4
Amounts Due from Banks	940.8	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
In Singapore	609.8	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
Outside Singapore ¹	331.0	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
Balances with The Monetary Authority of Singapore ²	129.0	147.4	232.7	593.9	444.9	454.1	511.7	546.3	633.1	733.7	923.1
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
S\$ Negotiable Certificates of Deposit Held	-	-	-	-	-	381.2	380.1	292.6	198.4	167.3	127.8
Investments in Securities & Equities	920.8	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
In Singapore	827.6	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
Outside Singapore	93.1	100.3	113.7	89.9	90.6	77.8	81.1	64.1	65.3	51.0	69.2
Loans & Advances including Bills Financing	2,722.1	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
Bills Discounted or Purchased	554.4	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
Payable outside Singapore	199.7	211.1	293.4	418.2	443.6	484.9	714.1	1,090.3	1,424.1	2,085.0	2,089.9
Payable in Singapore	354.7	343.6	434.2	706.5	789.8	841.3	908.4	1,261.9	1,403.4	1,863.3	1,959.5
Loans & Advances	2,167.7	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
All Other Assets	285.7	331.1	410.1	526.2	633.4	738.7	840.1	951.4	1,040.9	1,275.9	1,417.9

1 Commencing March 1971 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

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
Total	5,041.6	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
Deposits of Non-bank Customers	3,194.9	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
Demand Deposits	947.7	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
Fixed Deposits	1,818.3	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
Savings Deposits	412.9	480.4	602.8	708.5	738.5	890.6	999.2	1,069.5	1,211.2	1,394.8	1,692.5
Other Deposits	16.0	14.7	26.3	40.3	40.5	38.4	48.7	57.8	57.1	66.3	70.1
S\$ Negotiable Certificates of Deposit Held	-	-	-	-	-	527.6	617.8	513.4	455.3	515.0	331.9
Amounts Due to Banks	1,045.7	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
In Singapore	599.5	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
Outside Singapore ¹	446.2	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
All Other Liabilities	801.0	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

¹ Commencing March 1971 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

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
Total	2,167.7	2,615.0	3,565.2	5,146.5	5,697.0	6,503.1	7,271.8	7,830.8	9,398.9	12,058.6	16,157.5
Singapore Government & Other Public Authorities	0.5	-	0.3	-	0.1	-	12.3	11.7	13.1	-	2.8
Agriculture	25.1	23.9	22.4	25.3	31.9	26.8	31.0	29.8	28.2	37.8	47.2
Mining & Quarrying	16.2	14.4	8.6	8.1	9.4	6.5	8.5	6.6	10.9	11.0	7.9
Manufacturing	738.5	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
Building & Construction	181.9	238.7	407.6	728.4	879.6	1,013.0	1,112.2	1,193.8	1,345.5	1,434.2	1,835.7
General Commerce	678.6	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
Transport, Storage & Communication	33.1	62.7	154.0	237.7	246.9	242.8	268.7	339.7	378.5	707.6	1,276.1
Financial Institutions	78.8	143.7	282.4	333.1	366.4	543.9	743.4	802.1	993.2	1,546.2	2,028.4
Others	415.0	490.7	630.4	846.5	690.4	783.8	898.8	1,009.0	1,247.8	1,658.4	2,435.2

Source: The Monetary Authority of Singapore

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

Million US Dollars

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
Total Assets	389.8	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
Loans to Non-banks	13.9	188.8	600.9	1,226.1	2,693.2	3,472.5	4,386.6	5,281.2	6,376.8	8,484.0	12,402.3
Interbank Funds	370.2	850.8	2,331.1	4,950.1	7,464.2	8,929.4	12,613.1	15,252.5	19,829.7	28,093.7	39,552.3
In Singapore	13.1	38.5	99.4	261.6	223.0	270.1	414.4	573.4	866.6	1,100.4	1,084.7
Inter-Asian Currency Units	56.4	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
Outside Singapore	300.7	699.7	1,628.1	2,988.1	5,096.5	6,286.6	9,243.8	11,598.7	15,244.2	20,994.0	28,512.2
Other Assets	5.7	23.2	44.1	101.0	199.9	195.5	354.4	484.6	833.6	1,585.0	2,438.0
Total Liabilities	389.8	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
Deposits of Non-banks	243.7	237.8	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
Interbank Funds	141.0	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
In Singapore	5.7	56.4	145.0	405.6	675.6	584.0	799.2	1,382.8	1,442.6	1,881.8	1,304.3
Inter-Asian Currency Units	56.4	112.6	603.6	1,700.4	2,144.7	2,372.7	2,954.9	3,080.4	3,719.0	5,999.5	9,955.2
Outside Singapore	78.9	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
Other Liabilities	5.1	13.8	27.3	115.1	211.7	235.4	326.6	413.4	1,452.9	2,966.4	4,190.8

Source: The Monetary Authority of Singapore

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

Million Dollars

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
Total Assets	521.1	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
Cash	1.1	0.9	1.5	1.5	5.0	3.0	2.1	2.2	2.5	3.2	4.5
Balances with The Monetary Authority of Singapore	13.7	18.7	33.6	76.0	67.7	62.1	70.1	76.2	86.6	105.7	126.0
Deposits with Banks & Other Institutions	171.9	225.0	262.6	275.2	390.0	369.4	384.8	366.0	373.8	368.7	405.0
Investments	18.1	38.6	27.1	33.2	28.0	38.3	56.9	71.3	95.2	111.3	100.5
Loans & Advances	294.7	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
Hire Purchase Finance	98.3	126.2	169.8	221.1	232.0	191.7	192.4	258.6	354.3	532.3	754.3
Housing Loans	90.8	124.8	179.1	266.6	307.5	354.6	440.0	431.4	446.4	551.6	637.2
Other Loans & Advances	105.6	138.4	150.0	237.2	300.8	350.7	394.0	486.9	596.4	744.0	975.6
Other Assets	21.6	33.1	44.0	44.8	61.4	60.6	67.0	68.6	62.1	56.0	72.0
Total Liabilities	521.1	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
Capital & Reserves	89.3	102.1	118.6	181.2	226.7	242.1	267.8	286.1	308.1	363.1	476.0
Deposits from Individuals & Institutions	400.0	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
Savings Deposits	11.1	16.1	19.7	25.7	26.0	36.1	43.9	50.6	55.5	62.8	65.2
Fixed Deposits	365.0	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
Other Deposits	23.9	32.7	42.4	49.1	38.8	47.1	32.2	33.3	35.3	58.4	94.4
Other Liabilities	31.8	50.5	65.9	120.6	134.6	139.9	148.3	169.7	199.2	297.3	477.8

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
Total Assets	1,422.3	1,839.7	2,656.7	2,463.9	3,746.7	8,378.4	13,299.6
Amounts Due from Banks	436.2	474.4	1,001.4	684.7	1,826.7	4,599.8	5,713.8
In Singapore	7.0	32.4	30.9	20.8	41.0	42.8	61.8
Outside Singapore ¹	429.2	442.0	970.5	663.9	1,785.7	4,557.0	5,652.0
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
Securities & Equities	27.1	35.2	54.5	65.0	86.2	136.3	234.9
Other Assets	36.3	36.0	29.4	39.7	48.0	144.7	301.6
Total Liabilities	1,422.3	1,839.7	2,656.7	2,463.9	3,746.7	8,378.4	13,299.6
Capital & Reserves	89.7	113.5	120.2	136.9	195.1	309.3	452.0
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
In Singapore	43.3	57.4	85.1	84.8	195.2	839.9	178.1
Outside Singapore ¹	1,116.1	1,434.5	2,124.5	1,843.2	2,768.3	6,378.0	11,159.5
Borrowings from Non-bank Customers	129.3	195.0	287.7	352.4	516.8	678.8	1,046.8
Other Liabilities	43.9	39.3	39.2	46.6	71.3	172.4	463.2

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

¹ Includes bills refinanced for banks.

Source: The Monetary Authority of Singapore

11.13 DOMESTIC INTEREST RATES
(End of Period)

Per Cent Per Annum

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
Banks¹											
Minimum Lending Rate	8.00	8.00	7.50	9.00	10.25	7.08	6.78	7.02	7.65	9.48	13.60
Average Lending Rate ²	8.90	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	5.50	5.00	6.50	7.50	4.31	3.76	4.54	5.29	7.15	11.22
6 Months	5.75	5.75	5.25	6.75	8.00	4.96	4.34	4.98	5.55	7.40	10.92
12 Months	6.00	6.00	5.75	7.25	9.00	5.79	5.31	5.53	6.01	7.65	10.55
Savings Deposit Rate	3.50	3.50	3.50	4.00	5.50	3.50	3.52	3.68	4.20	6.38	9.52
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	4.00	6.00	5.50	5.50	5.00	5.25	6.00	8.50
Exceeding \$100,000	4.00	4.00	4.00	4.00	6.00	5.50	5.50	5.00	3.50	4.25	6.00

- 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

11.14 DEPOSITS AND WITHDRAWALS OF POST OFFICE SAVINGS BANK

Million Dollars

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
Number of Savings Accounts (End of Period)	508,933	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
Amount											
Deposited	45.1	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
Withdrawn	32.6	42.3	57.5	95.8	134.0	295.5	591.9	1,005.3	1,900.6	2,240.2	3,511.8
Due to Account Holders (End of Period)	72.7	91.2	125.2	170.9	268.5	548.4	996.0	1,589.0	2,029.0	2,525.2	2,756.7

Source: Post Office Savings Bank

11.15 CONTRIBUTIONS AND WITHDRAWALS OF CENTRAL PROVIDENT FUND

Million Dollars

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
Amount											
Contributed	156.4	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
Withdrawn	45.7	56.4	57.9	93.5	154.3	216.9	377.7	503.5	657.8	629.3	779.1
Due to Members (End of Period)	777.5	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

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		Deaths		Others
	\$'000	Number	\$'000	Number	\$'000	Number	\$'000	Number	\$'000	Number	\$'000	\$'000
1970	45,672	6,836	22,920	5,357	15,360	1,843	4,205	179	574	1,136	2,058	555
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 ²
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

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		Industrials ¹		Finance		Hotels		Properties		Mining		Plantation	
	Units	Dollars	Units	Dollars	Units	Dollars	Units	Dollars	Units	Dollars	Units	Dollars	Units	Dollars
1970	454.5	746.9	405.4	698.9	..	..	19.0	17.6	18.4	11.5	2.2	6.2	9.5	12.7
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

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
1970	100.4	99.0	100.2	99.3	99.6	100.5
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

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	
1970	1,814,086	1,614,583	93.9	90.7
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

11.20 LIFE INSURANCE POLICIES

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
	Number									
Policies in Force ¹	66,661	79,009	93,332	111,509	124,177	140,041	155,425	183,099	214,316	246,657
New Policies	11,835	20,059	26,480	28,876	25,570	30,271	34,628	45,303	50,632	61,707
Policies Matured or Discontinued	7,591	7,711	12,157	10,699	12,902	14,407	19,244	17,929	19,415	29,366
	Thousand Dollars									
Policies in Force										
Amount Insured ¹	627,798	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
Premiums	28,898	35,044	42,226	52,365	61,890	73,121	85,058	99,577	117,389	143,178
New Policies										
Amount Insured	155,424	253,290	330,065	471,843	566,543	655,128	765,334	922,908	1,124,796	1,454,410
Premiums	5,980	9,112	10,908	14,237	14,949	18,037	20,764	24,334	29,085	36,700
Policies Matured or Discontinued										
Amount Insured	54,807	68,257	96,129	106,511	158,564	238,206	285,161	318,115	366,389	374,074
Premiums	2,570	2,966	3,725	4,098	5,424	7,165	8,827	9,904	10,222	10,911

1 At end period.

Source: The Monetary Authority of Singapore

11.21 REVENUE AND EXPENDITURE ACCOUNTS OF LIFE INSURANCE FUNDS

Thousand Dollars

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Revenue										
Total	171,233	194,952	227,885	266,325	302,000	344,678	399,984	469,305	552,207	639,339
Balance of Revenue Account at Beginning of Year	129,617	147,832	165,055	192,205	218,297	249,624	290,359	336,363	394,215	460,978
Premiums	29,410	34,222	41,083	49,132	55,122	67,735	81,908	96,855	113,747	139,748
Net Interest, Dividends & Rents	9,598	10,296	11,770	13,560	16,848	20,955	23,270	28,650	32,866	36,641
Miscellaneous	2,608	2,602	9,979	11,428	11,733	6,364	4,447	7,437	11,379	1,972
Expenditure										
Total	171,233	194,952	227,885	266,325	302,000	344,678	399,984	469,305	552,207	639,339
Claims on Death, Disability & Maturity	6,379	8,877	9,520	10,078	13,275	13,878	16,688	18,541	20,874	23,207
Surrenders	4,005	3,799	4,575	5,335	6,852	7,613	8,755	10,477	12,315	13,190
Cash Bonuses & Annuities	1,626	1,594	1,865	2,141	2,395	2,564	2,867	3,147	3,554	4,394
Management Expenses										
Commission	4,976	6,515	8,037	10,284	11,212	14,703	17,542	21,271	25,234	31,708
Salaries	1,846	2,326	2,601	3,075	3,504	4,174	4,367	4,861	5,667	6,592
Other	2,892	3,993	4,509	7,231	7,482	8,423	10,469	10,702	14,115	15,878
Miscellaneous	1,677	2,793	4,573	9,884	7,656	2,964	2,933	6,091	9,470	7,344
Balance of Revenue Account at End of Year	147,832	165,055	192,205	218,297	249,624	290,359	336,363	394,215	460,978	537,026

Source: The Monetary Authority of Singapore

11.22 ASSETS OF LIFE INSURANCE FUNDS
(End of Period)

Thousand Dollars

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Total	164,532	185,895	221,054	251,766	284,057	337,068	387,427	445,416	504,975	585,124
Fixed Assets	14,121	15,627	18,861	20,217	27,336	29,966	31,284	31,188	33,901	34,658
Property	13,794	15,283	18,384	19,490	26,398	28,782	29,760	29,528	32,034	31,853
Furniture	327	344	477	727	938	1,184	1,524	1,660	1,867	2,805
Loans	29,754	30,750	33,430	40,017	53,888	58,908	58,777	57,383	69,216	105,497
On Mortgages	15,120	14,650	16,004	19,645	29,601	31,747	28,031	22,585	22,231	42,014
On Policies	14,416	15,865	17,087	19,837	23,492	26,438	30,047	34,106	40,674	48,187
Other	218	235	339	535	795	723	699	692	6,311	15,296
Investments	95,229	108,451	123,387	162,994	161,874	188,399	224,051	273,050	308,879	338,973
Government & Statutory Authorities	51,378	55,652	65,266	74,816	77,289	84,682	101,189	129,830	149,451	170,819
Debentures & Shares	43,851	52,799	58,121	88,178	84,585	103,717	122,862	143,220	159,428	168,154
Cash & Deposits	18,892	22,062	33,145	19,900	29,105	46,687	56,846	58,317	66,490	75,700
Miscellaneous (including Outstanding Premiums)	6,536	9,005	12,231	8,638	11,854	13,108	16,469	25,478	26,489	30,296

Source: The Monetary Authority of Singapore

11.23 PREMIUMS AND CLAIMS OF GENERAL INSURANCE FUNDS

Thousand Dollars

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Net Premiums¹										
Total	67,953	84,836	106,699	127,948	153,013	171,218	196,217	209,781	236,924	274,545
Marine, Aviation or Transit	14,345	16,377	18,499	25,190	30,468	31,311	38,387	47,313	52,072	58,149
Other	53,608	68,459	88,200	102,758	122,545	139,907	157,830	162,468	184,852	216,396
Fire	10,743	13,634	15,824	21,063	27,004	29,714	34,642	37,521	40,679	45,406
Motor Vehicles	25,982	29,394	34,256	40,028	42,396	41,966	46,020	48,385	59,744	74,042
Miscellaneous	16,883	25,431	38,120	41,667	53,145	68,227	77,168	76,562	84,429	96,948
Net Claims²										
Total	23,432	27,821	35,580	42,184	53,750	60,689	67,202	87,450	94,203	113,911
Marine, Aviation or Transit	6,128	7,159	8,718	10,031	15,636	17,769	15,287	22,061	25,406	30,275
Other	17,304	20,662	26,862	32,153	38,114	42,920	51,915	65,389	68,797	83,636
Fire	1,385	2,498	3,524	5,186	5,780	6,852	9,537	14,565	11,833	19,974
Motor Vehicles	11,884	13,890	16,463	18,091	20,626	22,349	23,152	26,517	29,431	36,172
Miscellaneous	4,035	4,274	6,875	8,876	11,708	13,719	19,226	24,307	27,533	27,490

Source: The Monetary Authority of Singapore

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

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

11.24 REVENUE AND EXPENDITURE ACCOUNTS OF GENERAL INSURANCE FUNDS

Thousand Dollars

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Revenue										
Total	137,356	170,064	214,916	270,144	330,005	377,698	439,716	481,694	527,272	603,653
Balance of Revenue Account at Beginning of Year	7,702	10,437	8,020	5,546	18,112	18,116	33,140	36,814	31,045	34,665
Reserves at Beginning of Year	26,218	31,107	39,619	49,278	59,541	70,496	79,318	87,870	92,632	101,644
Provision for Outstanding Claims	22,681	28,188	35,778	53,234	60,301	71,613	80,598	90,445	98,685	119,783
Premiums	67,953	84,836	106,699	127,949	153,013	171,218	196,217	209,781	236,924	274,545
Net Interest, Dividends & Rents	3,678	4,398	5,322	6,846	10,296	11,604	12,354	13,603	14,770	20,864
Miscellaneous	9,124	11,098	19,478	27,291	28,742	34,653	38,089	43,181	53,216	52,152
Expenditure										
Total	137,356	170,064	214,916	270,144	330,005	377,698	439,716	481,694	527,272	603,653
Claims Paid, Admitted or Intimated	51,620	63,599	88,815	102,362	125,364	138,029	157,071	188,342	215,390	263,637
Management Expenses										
Commission	18,320	22,476	27,879	33,080	39,608	44,565	52,268	55,060	62,151	71,501
Other	15,537	17,900	22,833	26,838	35,326	45,170	55,114	53,828	53,332	57,187
Miscellaneous	10,296	18,450	20,573	29,540	41,098	39,433	52,327	59,806	59,548	59,693
Balance of Revenue Account at End of Year	10,436	8,020	5,546	18,222	18,113	32,526	35,295	30,706	33,681	30,971
Reserves at End of Year	31,147	39,619	49,270	60,102	70,496	77,975	87,641	93,952	103,170	120,664

Source: The Monetary Authority of Singapore

11.25 ASSETS OF GENERAL INSURANCE FUNDS
(End of Period)

Thousand Dollars

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Total	89,962	107,412	137,030	172,676	212,378	250,075	299,809	325,095	392,057	437,793
Fixed Assets	15,402	19,840	20,780	24,217	27,142	28,317	33,963	36,726	35,644	36,160
Loans	2,504	2,070	2,182	6,001	9,109	7,810	7,354	5,795	3,718	5,094
Investments	29,633	36,386	46,059	56,355	58,877	79,755	105,959	122,578	145,083	159,929
Government & Statutory Authorities	16,524	19,598	25,617	28,452	34,885	42,783	52,206	65,831	75,609	82,512
Debentures & Shares	13,109	16,788	20,442	27,903	23,992	36,972	53,753	56,747	69,474	77,417
Cash & Deposits	31,165	33,853	47,349	59,470	85,625	99,746	110,804	106,489	147,363	162,854
Miscellaneous	11,258	15,263	20,660	26,633	31,624	34,447	41,729	53,507	60,249	73,756

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
1970/71	1,333.0	1,254.1	935.4	318.7	78.9	429.8	-508.7
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*	6,616.3	6,305.8	3,736.9	2,568.9	310.5	2,372.9	-2,683.4

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	1970/71	1971/72	1972/73	1973/74	1974/75	1975/76	1976/77	1977/78	1978/79	1979/80	1980/81 ³	1981/82 ³
Economic Classification												
Total¹	1,266.5	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	4,113.0	6,334.8
Transfer Receipts	888.7	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	3,286.5	4,912.1
Taxes on Income	261.7	325.3	429.7	585.7	894.7	1,160.2	1,141.9	1,319.3	1,300.3	1,413.7	1,423.0	2,460.0
Taxes on Production & Expenditure	535.7	591.2	720.9	875.4	942.6	1,022.4	1,157.3	1,298.0	1,481.5	1,813.2	1,698.0	2,237.1
Excise Duties	109.2	127.5	141.6	163.4	170.2	177.9	183.5	194.7	207.4	222.3	223.3	247.3
Import Duties	175.4	162.7	195.7	238.4	222.5	238.1	272.7	313.6	340.4	393.6	349.7	403.5
Property Tax	115.5	142.0	170.5	213.7	271.4	293.9	353.3	350.2	414.0	521.9	481.4	585.8
Motor Vehicle Taxes ²	64.0	74.4	95.1	128.5	151.0	166.6	183.1	260.1	299.1	404.0	360.1	576.6
Stamp Duty	23.8	31.3	54.9	62.7	46.7	49.4	57.0	61.1	88.5	116.3	110.0	216.3
Others	47.8	53.3	63.1	68.7	80.8	96.5	107.7	118.3	132.1	155.1	173.5	207.6
Other Transfer Receipts	91.3	79.5	88.1	107.3	113.0	115.4	120.1	199.8	166.9	174.4	165.5	215.0
Estate Duty	10.4	15.3	17.0	23.9	33.6	21.0	21.9	22.6	35.0	29.6	15.0	20.0
Others	80.9	64.2	71.1	83.4	79.4	94.4	98.2	177.2	131.9	144.8	150.5	195.0
Disposal of Goods & Services	259.9	341.8	300.3	437.6	439.5	578.1	515.2	496.0	491.0	793.3	575.8	998.8
Sales of Goods & Services from Current Operations	225.2	270.6	245.0	273.5	288.1	323.0	350.1	379.3	428.4	485.4	445.4	685.7
Reimbursements for Services & Sales of Lands	34.7	71.2	55.3	164.1	151.4	255.1	165.1	116.7	62.6	307.9	130.4	313.1
Income from Property & Financial Claims	117.9	130.7	210.3	213.2	167.1	216.1	221.7	242.4	299.1	408.4	250.7	423.9
Interest & Dividends Received	110.7	123.4	187.2	150.6	160.5	207.7	211.3	234.4	289.2	400.9	242.8	416.8
Financial Claims and Others	7.2	7.3	23.1	62.6	6.6	8.4	10.4	8.0	9.9	7.5	7.9	7.1

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	1970/71	1971/72	1972/73	1973/74	1974/75	1975/76	1976/77	1977/78	1978/79	1979/80	1980/81 ²	1981/82 ²
Economic Classification												
Total	1,206.5	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	4,113.0	6,334.8
Salaries of Government Employees	292.8	347.4	385.6	433.9	513.8	572.6	611.3	660.9	729.0	840.6	1,055.9	1,167.7
Personal Emoluments & Allowances	286.5	339.9	371.6	407.3	474.8	525.3	561.1	604.6	662.5	743.3	926.7	1,024.3
Contributions to Central Provident Fund	6.3	7.5	14.0	26.6	39.0	47.3	50.2	56.3	66.5	97.3	129.2	143.4
Rental of Fixed Assets	1.9	2.2	1.8	2.3	3.0	8.9	7.6	7.7	8.9	10.9	12.8	15.1
Other Goods & Services for Current Operations	92.2	101.6	107.2	150.7	143.3	154.8	164.2	176.1	206.3	224.8	259.7	378.0
Expenditure on Goods & Services for Fixed Capital Formation	5.9	11.8	11.3	9.3	13.3	20.4	18.2	27.1	24.0	21.0	34.0	38.3
Interest Payments	93.8	114.1	140.9	177.7	207.5	252.1	345.7	462.8	564.1	685.1	784.4	966.5
Transfer Payments	197.6	209.7	244.1	465.8	745.1	721.9	876.1	874.4	1,034.2	975.2	577.2	2,337.1
Transfer to Households	33.5	32.3	34.5	42.4	41.0	42.7	43.3	44.8	43.9	59.9	61.5	107.6
Transfer to Development Fund	40.0	80.0	100.0	272.5	480.0	443.1	583.0	556.4	664.0	511.3	94.0	1,755.8
Other Transfers	124.1	97.4	109.6	150.9	224.1	236.1	249.8	273.2	326.3	404.0	421.7	473.7
Financial Claims	242.1	284.0	315.7	426.8	355.0	625.9	369.4	471.1	329.4	900.2	289.9	111.8
Unallocable ¹	280.2	366.9	372.6	440.9	511.6	627.8	755.8	872.3	834.0	878.4	1,099.1	1,320.3

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	1970/71	1971/72	1972/73	1973/74	1974/75	1975/76	1976/77	1977/78	1978/79	1979/80	1980/81 ¹	1981/82 ¹
Total	1,206.5	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	4,113.0	6,334.8
General Services	89.3	63.8	73.9	118.5	98.9	100.9	102.8	120.1	131.8	141.2	181.2	223.9
Defence, Justice and Police	333.3	424.9	437.6	524.8	613.6	739.3	877.8	1,007.1	986.8	1,051.2	1,316.6	1,569.2
Social & Community Services	311.6	320.4	363.7	483.3	574.9	650.3	693.3	748.1	826.5	948.4	1,151.9	1,329.6
Education	177.6	191.1	206.5	261.4	296.6	328.9	346.0	365.9	408.6	486.0	629.7	723.1
Health	82.8	86.3	101.1	103.6	125.4	142.4	147.7	157.0	178.9	200.9	235.0	293.0
Other Social & Community Services	51.2	43.0	56.1	118.3	152.9	179.0	199.6	225.2	239.0	261.5	287.2	313.5
Economic Services	71.9	92.9	75.8	67.5	114.6	141.5	144.7	153.0	177.7	198.3	245.4	319.8
Agricultural, Non-mineral Resources, Industrial & Commercial Development	14.3	24.9	22.5	12.8	36.8	40.9	39.6	43.5	48.6	56.4	75.7	96.6
Transport & Communication	39.2	47.3	31.7	35.9	43.2	52.9	54.4	56.7	95.1	105.2	124.1	173.8
Other Economic Services	18.4	20.7	21.6	18.8	34.6	47.7	50.7	52.8	34.0	36.7	45.6	49.4
Public Debt	332.6	392.3	453.6	603.4	557.3	875.4	712.7	877.0	892.6	1,583.9	1,072.7	1,076.8
Unallocable	27.8	63.4	74.6	37.4	53.3	33.9	34.0	90.7	50.5	101.9	51.2	59.7
Transfer to Development Fund	40.0	80.0	100.0	272.5	480.0	443.1	583.0	556.4	664.0	511.3	94.0	1,755.8

¹ Based on Budget estimates.

12.5 ECONOMIC-FUNCTIONAL CLASSIFICATION OF GOVERNMENT MAIN AND DEVELOPMENT EXPENDITURE, 1980

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	7,930,394	271,382	1,434,200	674,877	270,208	1,456,751	1,954,703	1,868,273
Salaries of Government Employees	911,107	112,280	152,105	291,754	171,026	107,301	76,641	-
Personal Emoluments & Allowances	798,714	97,513	136,323	259,686	148,561	90,618	66,013	-
Contributions to Central Provident Fund	112,393	14,767	15,782	32,068	22,465	16,683	10,628	-
Rental of Fixed Assets	12,282	6,144	125	63	1,463	1,693	2,794	-
Expenditure on Goods & Services	1,312,375	90,831	145,330	76,708	89,536	289,107	620,680	183
Interest Payments	785,729	-	-	-	-	-	-	785,729
Transfer Payments	736,468	60,800	5,524	306,352	8,183	92,660	188,943	74,006
Transfer to Households	80,263	129	40	21,615	98	4,514	503	53,364
Transfer to Public Authorities & Non-profit Institutions	352,273	889	992	232,784	2,579	65,172	49,857	-
Capital Transfer to Domestic Sector	204,646	25	-	43,878	3,343	21,101	136,299	-
Other Transfers	99,286	59,757	4,492	8,075	2,163	1,873	2,284	20,642
Financial Claims	3,041,314	1,324	-	-	-	965,990	1,065,645	1,008,355
Unallocable ¹	1,131,119	3	1,131,116	-	-	-	-	-

Note: Figures exclude transfer of \$511,255,950 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, 1980

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	4,659,420	211,506	1,321,709	564,409	223,012	242,417	228,094	1,868,273
Salaries of Government Employees	911,107	112,280	152,105	291,754	171,026	107,301	76,641	-
Personal Emoluments & Allowances	798,714	97,513	136,323	259,686	148,561	90,618	66,013	-
Contributions to Central Provident Fund	112,393	14,767	15,782	32,068	22,465	16,683	10,628	-
Rental of Fixed Assets	12,282	6,144	125	63	1,463	1,693	2,794	-
Expenditure on Goods & Services	277,371	30,980	32,839	10,118	45,683	61,572	95,996	183
Interest Payments	785,729	-	-	-	-	-	-	785,729
Transfer Payments	531,822	60,775	5,524	262,474	4,840	71,559	52,644	74,006
Transfer to Households	80,263	129	40	21,615	98	4,514	503	53,364
Transfer to Public Authorities & Non-profit Institutions	352,273	889	992	232,784	2,579	65,172	49,857	-
Other Transfers	99,286	59,757	4,492	8,075	2,163	1,873	2,284	20,642
Financial Claims	1,009,990	1,324	-	-	-	292	19	1,008,355
Unallocable ¹	1,131,119	3	1,131,116	-	-	-	-	-

Note: Figures exclude transfer of \$511,255,950 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
1970/71	370.8	543.6	40.0	372.2	131.4	380.5	149.1	226.8	4.6
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 ¹	8,747.5	4,002.9	94.0	2,179.2	1,729.7	3,405.6	1,236.6	2,169.0	-

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
1970	2,016.6	1,842.8	1,087.7	45.0	649.4	60.7	173.8	119.5	5.4	-	-	48.9
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

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	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
Total	1,087.7	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
Central Provident Fund	681.8	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
Public Authorities	212.2	190.1	177.7	189.8	165.5	211.0	190.3	245.3	359.9	386.9	432.3
Post Office Savings Bank	61.6	86.7	88.9	45.9	44.4	66.4	305.2	667.2	688.2	708.2	728.2
Insurance Companies	35.9	44.8	56.9	80.1	89.4	105.9	133.8	163.2	191.1	228.4	223.7
Commercial Banks	60.0	92.4	140.8	257.3	344.0	352.4	610.5	733.7	782.5	722.3	689.9
Nominees & Trustees	24.5	25.2	43.3	61.8	22.1	114.5	163.2	202.3	236.0	264.2	244.3
Discount Houses	-	-	-	79.9	76.4	28.6	68.4	108.6	124.5	77.7	19.8
Others	11.6	17.7	28.3	45.6	40.6	65.6	107.0	146.9	260.4	277.8	188.3

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				
1970	282,468	60,016	69,732	74,144	14,693	47,670	10,582	1,993	1,426	2,212
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

Source: Customs and Excise Department

12.11 REVENUE COLLECTED BY INLAND REVENUE DEPARTMENT

Thousand Dollars

Year	Total	Income Tax	Property Tax	Estate Duties	Stamp Duties ¹	Payroll Tax	Bets, Sweepstakes and Private Lotteries	Radio and Television Licensing Fees ²	Skill Development Levy ³	Others
1970	428,210	251,083	108,985	9,439	22,843	16,946	9,077	7,099	-	2,738
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	2,175,975	1,389,746	491,356	36,515	106,040	89,459	36,730	16,880	7,731	1,538
1980	2,868,206	1,914,788	531,073	23,548	164,964	107,516	42,524	1,814	80,338	1,641

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

Source: Inland Revenue Department

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

3 Amount credited to Skills Development Fund.

12.12 TAXPAYERS, ASSESSED INCOME AND TAX ASSESSED, 1978 AND 1979

	Taxpayers			Assessed Income			Tax Assessed		
	Total	Resident	Non-resident	Total	Resident	Non-resident	Total	Resident	Non-resident
	Number			Thousand Dollars					
Total Individuals Employees Sole Proprietors Partners Companies Trusts ¹ Clubs & Associations	1978								
	340,205	332,438	7,767	6,987,781	6,620,889	366,892	1,481,771	1,355,673	126,098
	331,842	324,548	7,294	4,248,590	4,194,688	53,902	411,264	395,971	15,293
	265,154	259,452	5,702	3,276,111	3,240,928	35,183	300,465	290,342	10,123
	39,496	38,359	1,137	513,187	502,545	10,642	51,149	49,188	1,961
	27,192	26,737	455	459,292	451,215	8,077	59,650	56,441	3,209
	6,863	6,398	465	2,699,771	2,386,809	312,962	1,053,032	942,238	110,794
	1,066	1,058	8	9,508	9,480	28	3,768	3,757	11
	434	434	-	29,912	29,912	-	13,707	13,707	-
	1979								
	392,319	386,042	6,277	8,127,524	7,804,303	323,221	1,714,685	1,602,888	111,797
	382,643	376,834	5,809	4,937,229	4,887,608	49,621	468,720	454,133	14,587
306,244	300,942	5,302	3,842,487	3,802,828	39,659	347,047	336,352	10,695	
46,659	46,563	96	595,349	594,345	1,004	56,844	56,475	369	
29,740	29,329	411	499,393	490,435	8,958	64,829	61,306	3,523	
8,209	7,745	464	3,140,733	2,867,148	273,585	1,223,345	1,126,141	97,204	
1,046	1,042	4	9,183	9,168	15	3,646	3,640	6	
421	421	-	40,379	40,379	-	18,974	18,974	-	

Note: Figures for 1978 refer to assessments made during the period 1.1.78 to 31.12.79 (24 months).

Source: Inland Revenue Department

Figures for 1979 refer to assessments made during the period 1.1.79 to 31.12.80 (24 months).

¹ Include Hindu Joint Families.

12.13 INCOME TAX ASSESSMENT OF INDIVIDUALS, 1978 AND 1979

Assessed Income Group (\$)	Taxpayers			Assessed Income			Tax Assessed		
	Total	Resident	Non-resident	Total	Resident	Non-resident	Total	Resident	Non-resident
	Number			Thousand Dollars					
	1978								
Total	331,842	324,548	7,294	4,248,590	4,194,688	53,902	411,264	395,971	15,293
6,000 & Below	85,734	80,784	4,950	393,569	384,269	9,300	6,940	4,150	2,790
6,001 - 8,000	66,899	66,446	453	467,825	464,680	3,145	8,828	7,975	853
8,001 - 10,000	49,047	48,665	382	437,972	434,539	3,433	11,454	10,565	889
10,001 - 15,000	61,038	60,450	588	735,803	728,569	7,234	29,148	27,312	1,836
15,001 - 20,000	26,580	26,264	316	458,779	453,259	5,520	27,397	26,093	1,304
20,001 - 30,000	20,639	20,298	341	499,565	491,298	8,267	43,829	41,913	1,916
30,001 - 50,000	13,553	13,398	155	512,588	506,884	5,704	75,496	73,809	1,687
50,001 - 100,000	6,452	6,381	71	428,290	423,476	4,814	101,581	99,967	1,614
100,001 - 200,000	1,568	1,539	29	206,057	201,923	4,134	64,938	63,403	1,535
Over 200,000	332	323	9	108,142	105,791	2,351	41,653	40,784	869
	1979								
Total	382,643	376,834	5,809	4,937,229	4,887,607	49,622	468,720	454,133	14,587
6,000 & Below	87,750	84,043	3,707	403,037	396,759	6,278	6,213	4,247	1,966
6,001 - 8,000	82,249	81,849	400	574,113	571,283	2,830	9,988	9,291	697
8,001 - 10,000	60,505	60,203	302	539,253	536,539	2,714	13,153	12,495	658
10,001 - 15,000	72,102	71,616	486	871,058	865,092	5,966	33,522	32,054	1,468
15,001 - 20,000	30,732	30,420	312	530,965	525,571	5,394	31,238	29,967	1,271
20,001 - 30,000	24,206	23,872	334	582,971	574,729	8,242	50,315	48,449	1,866
30,001 - 50,000	15,430	15,273	157	583,274	577,513	5,761	85,621	83,859	1,762
50,001 - 100,000	7,442	7,368	74	495,481	490,358	5,123	117,914	115,925	1,989
100,001 - 200,000	1,872	1,845	27	246,174	242,540	3,634	78,750	77,310	1,440
Over 200,000	355	345	10	110,903	107,223	3,680	42,006	40,536	1,470

Note: See note to Table 12.12.

Source: Inland Revenue Department

12.14 INCOME TAX ASSESSMENT OF COMPANIES, 1978 AND 1979

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	1978									
	6,863	6,398	465	2,699,771	2,386,809	312,962	1,053,031	942,237	110,794	
	1,890	1,777	113	8,532	8,073	459	3,403	3,219	184	
	875	824	51	13,057	12,286	771	5,212	4,907	305	
	579	544	35	14,588	13,702	886	5,830	5,476	354	
	705	677	28	28,010	26,919	1,091	11,160	10,723	437	
	900	844	56	66,542	62,387	4,155	26,468	24,885	1,583	
	949	883	66	166,201	153,120	13,081	65,963	60,889	5,074	
	302	275	27	119,399	108,624	10,775	47,485	43,375	4,110	
	285	256	29	207,254	185,620	21,634	81,412	73,182	8,230	
	378	318	60	2,076,188	1,816,078	260,110	806,098	715,581	90,517	
	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								
		8,209	7,745	464	3,140,733	2,867,148	273,585	1,223,345	1,126,141	97,204
		2,077	1,985	92	8,973	8,590	383	3,570	3,420	150
		1,103	1,046	57	16,666	15,837	829	6,657	6,325	332
672		625	47	16,980	15,772	1,208	6,778	6,295	483	
894		860	34	35,772	34,432	1,340	14,281	13,745	536	
1,105		1,053	52	80,537	76,509	4,028	32,172	30,561	1,611	
1,240		1,174	66	218,074	206,597	11,477	86,989	82,508	4,481	
341		307	34	134,297	121,244	13,053	53,483	48,371	5,112	
318		286	32	226,970	204,488	22,482	90,596	81,762	8,834	
459		409	50	2,402,464	2,183,679	218,785	928,819	853,154	75,665	

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, building materials and local farm products. The list of items and weighting patterns for the series were derived from data collected in the 1973 Census of Industrial Production and/or the 1973 external trade statistics except those for the

local farm products series which were 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. The weights for the Singapore manufactured products and the imported products series were respectively derived according to the value of production and imports in 1973.

A wholesale price index on exported products with base 1978=100 was constructed in 1980. The list of

items and weighting pattern for this index were derived from the 1978 export statistics.

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 were, prior to 1971, obtained from the Singapore International Chamber of Commerce and currently from the Singapore Chinese Produce Exchange.

13.1 CONSUMER PRICE INDEX, 1973-1980

	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
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

¹ The weights refer to the consumption pattern of 1977/78 and are used in the computation of the 1978, 1979 and 1980 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	Pork, Lean and Fat	Fresh Beef	Hen	Condensed Milk	Hen Eggs	Deodorised Oil	Tenggiri 'Bekah'	Kunning
	6kg	605g	400g	500g Packet	Per kg	605g			397g Tin	Per 10	2kg Bottle	605g	
1970	3.67	.24	.27	.37	3.20	2.00	2.41	1.63	.50	.94	2.40	1.44	.64
1971	3.27	.25	.30	.37	3.22	2.17	2.49	1.61	.55	.98	2.62	1.59	.65
1972	3.47	.26	.30	.36	3.28	1.80	2.75	1.71	.60	1.05	2.64	1.72	.71
1973	8.04	.36	.35	.59	5.40	2.53	3.87	1.92	.68	1.26	3.70	1.94	.89
1974	11.11	.53	.52	.69	6.32	3.11	4.51	2.15	.72	1.41	5.75	2.48	1.38
1975	8.93	.47	.47	.69	5.84	3.35	4.45	2.24	.85	1.30	5.29	2.70	1.65
1976	5.85	.45	.45	.66	5.46	2.78	4.36	2.26	.85	1.40	5.05	2.79	1.87
1977	5.36	.40	.43	.66	6.46	2.83	4.23	2.28	.85	1.41	5.36	2.88	1.98
1978	6.40	.38	.40	.70	7.08	2.95	4.41	2.30	.85	1.26	5.42	3.28	1.97
1979	5.62	.43	.52	.70	7.60	2.85	5.52	2.36	.85	1.51	5.46	3.26	1.96
1980	6.28	.50	.60	.70	8.95	3.56	6.85	2.39	.93	1.47	5.46	3.73	2.00

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 'Enas'	Sugar	Coffee Powder	Tea
	605g						Each			605g	Per kg	605g	100 Tea Bags ¹
1970	1.81	2.59	.36	.23	.96	.26	.28	.20	.19	.28	.56	2.21	1.50
1971	2.02	2.76	.35	.23	.89	.26	.28	.20	.19	.29	.66	2.21	1.52
1972	2.12	2.91	.35	.24	1.00	.27	.29	.21	.20	.30	.66	2.21	1.51
1973	2.33	3.33	.45	.29	1.28	.30	.30	.22	.21	.30	.73	2.54	1.52
1974	2.88	3.98	.44	.32	1.36	.32	.31	.21	.25	.34	.81	2.88	1.59
1975	3.20	4.01	.54	.36	1.36	.34	.35	.18	.24	.41	1.24	2.96	1.66
1976	3.20	4.28	.55	.39	1.62	.38	.37	.19	.25	.43	1.24	3.97	1.68
1977	3.34	4.98	.63	.44	1.64	.40	.40	.22	.29	.45	1.24	8.21	1.98
1978	3.84	5.75	.71	.52	1.65	.40	.41	.28	.31	.46	1.22	7.02	4.08
1979	4.01	6.29	.73	.57	1.72	.45	.43	.29	.36	.49	1.20	7.17	4.26
1980	4.58	6.68	.78	.65	2.16	.47	.50	.30	.32	.56	1.24	7.31	4.50

¹ Figures prior to 1977 refer to average retail price of tea dust (in 227g packets), and figures from 1978 onwards refer to average retail price of 100 tea bags.

13.3 GENERAL WHOLESALE PRICE INDEX

Section	Weights	1976	1977	1978	1979	1980	1976	1977	1978	1979	1980
		1974 = 100					Annual Percentage Change				
All Items	10,000	105.1	109.9	111.6	127.7	152.7	6.7	4.5	1.6	14.4	19.6
Food	1,040	102.0	112.1	110.1	115.5	124.7	3.4	9.9	-1.7	4.9	8.0
Beverages & Tobacco	195	115.2	116.6	121.8	126.3	138.7	2.6	1.2	4.4	3.7	9.9
Crude Materials	1,083	113.3	118.8	127.7	161.5	175.1	29.9	4.8	7.5	26.5	8.5
Mineral Fuels	1,572	112.9	121.1	114.6	157.4	255.6	7.5	7.2	-5.4	37.3	62.4
Animal & Vegetable Oils	74	70.6	89.0	89.9	101.6	89.3	-7.8	26.0	1.1	13.0	-12.1
Chemicals & Chemical Products	567	102.1	103.3	101.6	123.1	148.7	6.1	1.2	-1.7	21.2	20.8
Manufactured Goods	2,066	97.0	99.6	104.8	114.2	124.6	3.7	2.8	5.2	9.0	9.1
Machinery & Equipment	2,544	105.4	107.6	110.1	113.6	121.0	3.6	2.1	2.3	3.1	6.5
Miscellaneous Manufactures	859	105.8	111.0	114.5	125.0	142.6	2.0	4.9	3.2	9.2	14.0

13.4 WHOLESALE PRICE INDEX OF SINGAPORE MANUFACTURED PRODUCTS

Section	Weights	1976	1977	1978	1979	1980	1976	1977	1978	1979	1980
		1974 = 100					Annual Percentage Change				
All Items	10,000	103.5	108.7	106.9	126.9	156.6	6.7	5.0	-1.7	18.7	23.4
Food	840	109.2	120.8	111.0	117.2	126.6	5.9	10.6	-8.1	5.6	8.0
Beverages & Tobacco	263	116.2	117.7	122.3	126.2	138.5	2.1	1.3	3.9	3.2	9.7
Crude Materials	1,286	117.7	122.6	134.1	172.0	183.9	34.8	4.2	9.4	28.3	6.9
Mineral Fuels	2,191	112.3	119.9	112.9	152.0	240.1	7.5	6.8	-5.8	34.6	58.0
Animal & Vegetable Oils	66	66.3	78.9	81.3	92.0	83.9	-9.2	19.0	3.0	13.2	-8.8
Chemicals & Chemical Products	613	103.9	103.8	100.0	127.7	163.9	9.7	-0.1	-3.7	27.7	28.3
Manufactured Goods	1,702	98.7	103.8	107.4	122.6	130.7	5.2	5.2	3.5	14.2	6.6
Machinery & Equipment	2,013	85.2	86.2	77.7	79.0	88.4	-7.1	1.2	-9.9	1.7	11.9
Miscellaneous Manufactures	1,026	105.0	112.4	114.9	127.7	149.8	2.5	7.0	2.2	11.1	17.3

13.5 WHOLESALE PRICE INDEX OF IMPORTED PRODUCTS

Section	Weights	1976	1977	1978	1979	1980	1976	1977	1978	1979	1980
		1974 = 100					Annual Percentage Change				
All Items	10,000	107.2	112.6	116.9	132.0	154.2	9.0	5.1	3.8	12.9	16.8
Food	997	102.8	118.7	118.9	124.5	131.6	6.5	15.5	0.2	4.7	5.7
Beverages & Tobacco	85	113.7	114.1	120.0	125.9	137.9	4.8	0.3	5.2	4.8	9.6
Crude Materials	1,622	110.0	115.5	126.6	155.2	169.3	33.7	5.0	9.6	22.6	9.1
Mineral Fuels	1,293	115.3	123.1	117.4	163.6	269.0	8.5	6.8	-4.6	39.4	64.4
Animal & Vegetable Oils	144	72.1	96.7	95.1	107.1	93.4	-13.5	34.3	-1.7	12.7	-12.8
Chemicals & Chemical Products	550	104.7	103.9	104.2	117.6	135.4	-0.6	-0.7	0.3	12.9	15.2
Manufactured Goods	1,959	98.5	101.3	107.7	116.2	126.4	3.6	2.8	6.3	7.9	8.8
Machinery & Equipment	2,657	111.9	114.7	121.1	124.9	132.6	6.2	2.4	5.6	3.2	6.2
Miscellaneous Manufactures	693	106.9	111.8	115.1	119.1	128.5	4.8	4.6	3.0	3.4	7.8

13.6 WHOLESALE PRICE INDEX OF BUILDING MATERIALS

Section	Weights	1976	1977	1978	1979	1980	1976	1977	1978	1979	1980
		1974 = 100					Annual Percentage Change				
All Items	10,000	93.8	94.7	99.0	111.1	127.7	3.0	1.0	4.5	12.2	14.9
Timber & Wood Products	586	112.2	118.6	119.6	143.8	159.0	18.4	5.7	0.8	20.2	10.6
Concrete Ingredients (Granite)	603	138.9	123.6	115.5	125.6	212.7	23.5	-11.0	-6.6	8.7	69.3
Paints	517	99.7	99.7	99.7	106.9	121.0	-0.1	-	-	7.2	13.2
Cement	1,978	94.8	92.2	95.7	108.2	115.0	-7.6	-2.7	3.8	13.1	6.3
Bricks & Concrete Blocks	330	107.5	108.9	107.5	127.4	187.2	4.2	1.3	-1.3	18.5	46.9
Tiles	986	92.5	107.3	120.9	130.1	146.8	2.8	16.0	12.7	7.6	12.8
Iron & Steel Products	3,466	82.2	82.3	89.2	100.8	110.0	2.6	0.1	8.4	13.0	9.1
Cables	625	64.8	64.1	63.6	81.7	88.4	0.9	-1.1	-0.8	28.5	8.2
Sanitary & Plumbing Fixtures	173	104.0	101.9	103.8	114.4	129.6	3.4	-2.0	1.9	10.2	13.3
Others	736	107.5	114.6	118.6	123.3	135.5	4.8	6.6	3.5	4.0	9.9

13.7 WHOLESALE PRICE INDEX OF LOCAL FARM PRODUCTS

Section	Weights	1976	1977	1978	1979	1980	1976	1977	1978	1979	1980
		1974 = 100					Annual Percentage Change				
All Items	10,000	93.2	104.0	100.9	106.6	118.0	-12.8	11.6	-3.0	5.7	10.8
Pigs	4,879	80.8	97.2	92.4	92.2	109.3	-29.8	20.4	-4.9	-0.2	18.5
Fowls	2,384	98.0	96.5	96.0	102.2	101.5	4.2	-1.6	-0.5	6.6	-0.7
Ducks	272	95.4	106.2	97.9	99.7	126.8	-3.0	11.3	-7.8	1.9	27.2
Hen Eggs	1,084	99.1	98.3	82.3	103.0	97.7	8.5	-0.8	-16.3	25.1	-5.2
Leafy Vegetables	435	102.5	124.5	142.0	155.2	207.4	-9.2	21.4	14.1	9.2	33.6
Fruit Vegetables	99	119.7	133.9	127.9	153.8	173.0	10.7	11.9	-4.5	20.3	12.5
Root Vegetables	22	96.6	142.3	141.0	153.7	179.4	0.9	47.4	-0.9	9.0	16.7
Fresh Fish	825	135.9	156.6	164.1	178.4	185.7	17.1	15.2	4.8	8.7	4.0

13.8 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 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
1980 January	139.2	109.5	112.3	135.3	194.6	107.7	133.8	120.3	103.4	106.5
February	142.7	109.4	112.3	142.3	202.5	109.7	134.6	120.7	103.5	107.2
March	145.0	110.3	112.3	134.7	211.9	108.8	137.8	121.6	104.2	107.5
April	144.1	109.2	113.2	133.6	208.8	106.1	138.0	122.6	105.0	107.6
May	143.5	108.4	113.8	125.7	210.1	99.7	138.3	121.9	106.5	108.0
June	142.9	105.8	116.2	124.1	209.8	96.7	138.2	120.7	106.5	108.3
July	144.8	103.8	116.5	122.0	217.1	95.2	138.2	121.0	106.8	109.9
August	145.1	104.2	117.4	123.2	217.5	93.0	138.1	121.2	106.5	110.2
September	144.9	105.6	117.5	124.5	216.6	91.9	138.7	121.2	106.1	109.7
October	145.3	106.9	120.0	121.6	219.1	90.4	138.3	120.8	105.9	110.1
November	146.0	109.0	120.0	119.7	222.1	92.2	138.3	119.9	105.8	110.2
December	146.2	108.1	120.9	118.5	222.6	93.7	138.3	119.9	106.5	110.7

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)	
1970	124.69	121.76	119.60	117.62	..	..	115.21	365.74	297.55	186.08	97.59	639	11.00
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

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 19 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 Singapore Polytechnic, the Ngee Ann Technical College 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 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 Technical College 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 provi-

sion has been increasing steadily. The total recurrent expenditure in the fiscal year 1980/81 was \$606 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		
1970	527,668	363,518	145,740	136,782	7,852	1,106	4,727	13,683
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

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

Number

	Schools	Students			Teachers		
		Total	Males	Females	Total	Males	Females
Total	507	501,978	263,264	238,714	22,145	9,413	12,732
Primary Schools	342	296,608	156,521	140,087	11,267	3,626	7,641
Secondary Schools & Junior Colleges	144	170,316	82,585	87,731	8,019	3,521	4,498
Technical & Vocational Institutes	17	12,543	10,129	2,414	912	692	220
Technical Colleges	2	11,105	8,611	2,494	613	515	98
Institute of Education	1	2,328	351	1,977	194	120	74
Universities	1	9,078	5,067	4,011	1,140	939	201

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

Number

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
Total Schools	427	419	414	410	396	391	379	376	364	351	342
Government	198	197	197	196	193	193	190	199	196	193	203
Government-aided	220	215	211	208	199	194	185	174	165	156	137
Private	9	7	6	6	4	4	4	3	3	2	2
Total Students	363,518	357,936	354,748	345,284	337,816	328,401	316,265	308,342	300,398	297,873	296,608
Government	233,692	229,562	227,588	222,973	219,281	215,657	213,149	214,749	214,727	217,163	219,956
Government-aided	129,150	128,001	126,798	121,925	118,170	112,377	102,824	93,392	85,491	80,527	76,565
Private	676	373	362	386	365	367	292	201	180	183	87
Total Teachers ¹	12,248	11,949	10,858	11,714	11,511	11,190	11,432	11,137	11,112	11,052	11,267
Government	8,044	7,811	6,975	7,664	7,510	7,344	7,684	7,699	7,857	7,687	8,080
Government-aided	4,172	4,124	3,868	4,036	3,988	3,831	3,732	3,424	3,247	3,349	3,184
Private	32	14	15	14	13	15	16	14	8	16	3

Note: Data refer to end-June except those for 1980 which are at 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

Year		1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
Language Stream		Students										
Total		363,518	357,936	354,748	345,284	337,816	328,401	316,265	308,342	300,398	297,873	296,608
		193,825	190,079	187,987	182,556	178,462	173,406	166,678	163,292	158,776	157,694	156,521
	Females	169,693	167,857	166,761	162,728	159,354	154,995	149,587	145,050	141,622	140,179	140,087
English		227,239	227,190	229,386	229,492	232,834	234,251	234,700	237,994	241,469	248,507	250,537
		122,182	121,167	121,787	121,249	122,804	123,713	123,664	125,875	127,556	131,423	131,830
	Females	105,057	106,023	107,599	108,243	110,030	110,538	111,036	112,119	113,913	117,084	118,707
Chinese		115,349	113,771	112,509	106,387	98,647	89,823	78,712	68,315	57,455	48,283	45,316
		63,331	62,142	61,116	57,587	53,156	47,939	41,845	36,539	30,547	25,754	24,317
	Females	52,018	51,629	51,393	48,800	45,491	41,884	36,867	31,776	26,908	22,529	20,999
Malay		19,749	15,885	11,891	8,587	5,712	3,883	2,567	1,837	1,362	1,029	739
		7,881	6,341	4,698	3,387	2,252	1,571	1,055	798	621	489	362
	Females	11,868	9,544	7,193	5,200	3,460	2,312	1,512	1,039	741	540	377
Tamil		1,181	1,090	962	818	623	444	286	196	112	54	16
		431	429	386	333	250	183	114	80	52	28	12
	Females	750	661	576	485	373	261	172	116	60	26	4
		Teachers										
Total		12,248	11,949	10,858	11,714	11,511	11,190	11,432	11,137	11,112	11,052	11,267
		4,165	4,055	3,757	3,747	3,665	3,702	4,020	3,938	3,957	3,760	3,626
	Females	8,083	7,894	7,101	7,967	7,846	7,488	7,412	7,199	7,155	7,292	7,641
English		7,522	7,405	6,686	7,442	7,416	7,413	7,723	7,935	8,207	8,256	6,815
		2,058	2,046	1,905	1,952	1,974	2,112	2,318	2,473	2,630	2,601	1,782
	Females	5,464	5,359	4,781	5,490	5,442	5,301	5,405	5,462	5,577	5,655	5,033
Chinese		3,781	3,714	3,482	3,645	3,557	3,322	3,262	2,906	2,668	2,629	3,311
		1,636	1,590	1,499	1,463	1,399	1,335	1,441	1,284	1,184	1,051	1,329
	Females	2,145	2,124	1,983	2,182	2,158	1,987	1,821	1,622	1,484	1,578	1,982
Malay		874	764	636	568	487	420	413	269	219	152	924
		442	395	330	312	274	240	244	169	134	99	447
	Females	432	369	306	256	213	180	169	100	85	53	477
Tamil		71	66	54	59	51	35	34	27	18	15	217
		29	24	23	20	18	15	17	12	9	9	68
	Females	42	42	31	39	33	20	17	15	9	6	149

Note: Data refer to end-June except those for 1980 which are at end-December.

Source: Ministry of Education

14.5 ENROLMENT IN PRIMARY SCHOOLS BY AGE AND LEVEL, DECEMBER 1980

Number

Age As At 1.1.80	Total	Primary I	Primary II	Primary III	Primary IV	Primary V	Primary VI
Males							
Total	149,208	22,461	25,156	24,534	28,300	23,263	25,494
Under 6	1	1	-	-	-	-	-
6 & Under 7	22,356	22,352	4	-	-	-	-
7 & Under 8	23,680	94	23,583	3	-	-	-
8 & Under 9	22,870	10	1,362	21,389	109	-	-
9 & Under 10	22,595	4	196	2,486	19,789	120	-
10 & Under 11	21,856	-	6	637	5,314	15,765	134
11 & Under 12	22,877	-	3	16	3,055	4,540	15,263
12 & Under 13	8,886	-	2	3	31	2,790	6,060
13 & Under 14	4,055	-	-	-	2	42	4,011
14 & Under 15	24	-	-	-	-	6	18
15 & Under 16	8	-	-	-	-	-	8
16 & Over	-	-	-	-	-	-	-
Females							
Total	136,565	21,167	23,191	22,280	24,165	21,919	23,843
Under 6	3	3	-	-	-	-	-
6 & Under 7	21,098	21,091	7	-	-	-	-
7 & Under 8	22,262	64	22,186	11	1	-	-
8 & Under 9	21,364	9	895	20,401	56	3	-
9 & Under 10	21,100	-	100	1,539	19,404	57	-
10 & Under 11	20,422	-	3	324	3,269	16,762	64
11 & Under 12	21,394	-	-	4	1,427	3,470	16,493
12 & Under 13	6,475	-	-	1	8	1,598	4,868
13 & Under 14	2,431	-	-	-	-	23	2,408
14 & Under 15	14	-	-	-	-	5	9
15 & Under 16	2	-	-	-	-	1	1
16 & Over	-	-	-	-	-	-	-

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

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
Total Schools	123	122	121	124	123	124	126	131	135	135	144
Government	68	68	68	69	69	70	72	77	79	80	89
Government-aided	47	46	45	47	48	48	48	49	51	51	51
Private	8	8	8	8	6	6	6	5	5	4	4
Total Students	145,740	153,522	161,371	173,109	174,177	176,224	177,992	178,186	179,811	176,521	170,316
Government	103,874	111,030	118,174	127,942	127,384	127,651	128,148	127,769	128,509	126,017	121,700
Government-aided	39,816	40,451	41,192	43,315	45,017	46,687	48,022	48,724	49,612	48,735	46,678
Private	2,050	2,041	2,005	1,852	1,776	1,886	1,822	1,693	1,690	1,769	1,938
Total Teachers ¹	6,550	6,685	6,398	7,442	7,543	7,559	7,592	7,753	7,828	8,418	8,019
Government	4,847	4,979	4,800	5,750	5,777	5,761	5,739	5,799	5,787	6,222	6,131
Government-aided	1,618	1,623	1,510	1,600	1,694	1,724	1,784	1,881	1,974	2,130	1,822
Private	85	83	88	92	72	74	69	73	67	66	66

Note: Data refer to end-June except those for 1980 which are at end-December.

Source: Ministry of Education

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

Language Stream	Year	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
		Students										
Total		145,740	153,522	161,371	173,109	174,177	176,224	177,992	178,186	179,811	176,521	170,316
Males		75,050	78,267	81,283	86,809	86,735	86,753	86,731	86,362	87,071	85,467	82,585
Females		70,690	75,255	80,088	86,300	87,442	89,471	91,261	91,824	92,740	91,054	87,731
English		90,096	98,700	105,478	114,548	115,145	116,094	117,946	119,514	123,936	130,699	129,941
Males		45,670	49,514	52,370	56,837	56,718	56,322	56,546	56,988	59,201	62,511	62,738
Females		44,426	49,186	53,108	57,711	58,427	59,772	61,400	62,526	64,735	68,188	67,203
Chinese		46,762	45,874	46,522	48,823	49,993	52,263	53,917	54,093	52,715	43,986	39,226
Males		25,976	25,477	25,590	26,622	26,924	27,820	28,315	27,995	26,920	22,373	19,483
Females		20,786	20,397	20,932	22,201	23,069	24,443	25,602	26,098	25,795	21,613	19,743
Malay		8,591	8,647	9,055	9,374	8,657	7,507	5,794	4,301	2,944	1,668	1,042
Males		3,322	3,200	3,218	3,201	2,920	2,441	1,736	1,272	878	526	323
Females		5,269	5,447	5,837	6,173	5,737	5,066	4,058	3,029	2,066	1,142	719
Tamil		291	301	316	364	382	360	335	278	216	168	107
Males		82	76	105	149	173	170	134	107	72	57	41
Females		209	225	211	215	209	190	201	171	144	111	66
		Teachers										
Total		6,550	6,685	6,398	7,023	6,979	7,120	7,592	7,753	7,828	8,418	8,019
Males		3,570	3,532	3,414	3,557	3,462	3,515	3,977	3,954	3,871	4,105	3,521
Females		2,980	3,153	2,984	3,466	3,517	3,605	3,615	3,799	3,957	4,313	4,498
English		3,977	4,110	3,969	4,463	4,431	4,562	4,857	5,043	5,142	5,721	5,701
Males		1,979	1,953	1,924	2,049	1,998	2,042	2,309	2,329	2,311	2,572	2,327
Females		1,998	2,157	2,045	2,414	2,433	2,520	2,548	2,714	2,831	3,149	3,374
Chinese		2,147	2,140	2,006	2,131	2,133	2,170	2,334	2,343	2,354	2,406	1,910
Males		1,330	1,319	1,240	1,242	1,202	1,227	1,397	1,375	1,334	1,339	921
Females		817	821	766	889	931	943	937	968	1,020	1,067	989
Malay		411	421	409	409	401	375	391	357	321	276	360
Males		251	252	242	254	253	238	266	245	221	188	238
Females		160	169	167	155	148	137	125	112	100	88	122
Tamil		15	14	14	20	14	13	10	10	11	15	48
Males		10	8	8	12	9	8	5	5	5	6	35
Females		5	6	6	8	5	5	5	5	6	9	13

Note: Data refer to end-June except those for 1980 which are at end-December.

Source: Ministry of Education

1979 and 1980 data for Chinese stream pupils include those in bilingual courses.

14.8 ENROLMENT IN SECONDARY SCHOOLS BY AGE AND LEVEL, DECEMBER 1980

Number

Age As At 1.1.80	Total	Secondary I	Secondary II	Secondary III	Secondary IV	Pre-univer- sity I	Pre-univer- sity II
Males							
Total	81,559	23,337	19,816	16,737	16,016	2,534	3,119
Under 12	23	23	-	-	-	-	-
12 & Under 13	13,596	13,545	51	-	-	-	-
13 & Under 14	18,043	6,304	11,713	26	-	-	-
14 & Under 15	19,143	3,426	5,395	10,292	30	-	-
15 & Under 16	17,261	32	2,600	4,408	10,208	11	2
16 & Under 17	8,551	2	52	1,984	4,361	2,130	22
17 & Under 18	4,064	1	3	21	1,384	358	2,297
18 & Under 19	751	-	2	5	30	32	682
19 & Under 20	118	4	-	1	3	3	107
20 & Under 21	9	-	-	-	-	-	9
Females							
Total	86,471	23,075	20,558	17,713	16,826	3,739	4,560
Under 12	15	15	-	-	-	-	-
12 & Under 13	15,156	15,145	11	-	-	-	-
13 & Under 14	19,020	5,357	13,636	27	-	-	-
14 & Under 15	19,775	2,508	4,903	12,334	30	-	-
15 & Under 16	18,544	43	1,978	3,918	12,602	3	-
16 & Under 17	8,236	7	26	1,413	3,368	3,389	33
17 & Under 18	5,000	-	3	19	810	321	3,847
18 & Under 19	656	-	-	2	16	24	614
19 & Under 20	66	-	1	-	-	2	63
20 & Under 21	3	-	-	-	-	-	3

Source: Ministry of Education

14.9 ENROLMENT IN UNIVERSITIES AND COLLEGES

Number

Year	Total		Singapore & Nanyang Universities ¹		Singapore Polytechnic		Ngee Ann Technical College		Institute of Education	
	Males	Females	Males	Females	Males	Females	Males	Females	Males	Females
1970	9,484	4,199	4,559	2,431	3,877	217	437	161	611	1,390
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

¹ The University of Singapore and Nanyang University were merged to form the National University of Singapore on 8 August 1980.

Source: Ministry of Education

14.10 MALE STUDENTS ADMITTED TO UNIVERSITIES AND COLLEGES

Number

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
Total	3,665	3,851	4,106	4,546	4,239	4,706	4,754	4,397	4,406	4,531	5,370
Singapore & Nanyang Universities ¹	1,265	1,366	1,577	1,519	1,232	1,684	1,703	1,566	1,552	1,725	1,767
Arts & Social Sciences	137	172	222	201	181	305	269	293	234	229	197
Science ²	210	226	271	267	157	251	278	264	328	375	220
Law	51	54	60	68	35	70	58	51	44	36	60
Medicine	154	199	195	163	163	123	122	133	82	92	107
Dentistry	31	29	33	17	29	25	29	26	16	25	20
Engineering	331	297	255	307	247	317	353	362	381	521	644
Architecture & Building/Estate Management	68	60	75	96	77	91	88	71	80	91	143
Accountancy & Business Administration	283	329	464	394	340	499	500	366	387	356	376
Education	-	-	2	6	3	3	6	-	-	-	-
Singapore Polytechnic	1,558	1,769	2,181	2,492	2,475	2,184	2,241	2,102	2,143	2,022	2,743
Engineering	1,283	1,406	1,795	2,113	2,083	1,774	1,800	1,784	1,848	1,810	2,316
Architecture & Building	173	261	273	258	250	247	266	154	170	124	332
Nautical	102	102	113	121	142	163	175	164	125	88	95
Ngee Ann Technical College	365	481	255	332	492	732	604	595	584	547	733
Institute of Education	477	235	93	203	40	106	206	134	127	237	127

1 The University of Singapore and Nanyang University were merged to form the National University of Singapore on 8 August 1980.

2 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.

Source: University of Singapore
Nanyang University
Singapore Polytechnic
Ngee Ann Technical College
Institute of Education

14.11 FEMALE STUDENTS ADMITTED TO UNIVERSITIES AND COLLEGES

Number

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
Total	2,132	1,720	1,791	1,861	2,047	2,259	2,699	2,298	2,366	2,850	3,457
Singapore & Nanyang Universities ¹	892	941	1,138	1,177	1,243	1,256	1,376	1,154	1,034	1,173	1,594
Arts & Social Sciences	348	338	408	423	444	471	453	367	366	430	499
Science ²	177	177	174	223	125	167	283	264	250	258	402
Law	42	53	73	74	88	81	59	48	40	61	62
Medicine	47	55	62	61	76	78	77	70	57	49	66
Dentistry	8	17	23	20	13	21	16	18	19	11	18
Engineering	10	17	22	27	18	28	19	55	45	27	50
Architecture & Building/Estate Management	15	14	25	29	44	34	34	70	31	37	63
Accountancy & Business Administration	245	270	348	319	435	376	434	262	226	300	434
Education	-	-	3	1	-	-	1	-	-	-	-
Singapore Polytechnic	121	242	262	422	451	391	541	457	442	505	736
Engineering	109	119	143	309	344	253	421	365	369	426	531
Architecture & Building	12	123	119	113	107	138	120	92	73	79	205
Ngee Ann Technical College	116	144	175	133	157	228	191	170	148	265	379
Institute of Education	1,003	393	216	129	196	384	591	517	742	907	748

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

Source: University of Singapore
Nanyang University
Singapore Polytechnic
Ngee Ann Technical College
Institute of Education

14.12 MALE STUDENTS GRADUATED FROM UNIVERSITIES AND COLLEGES

Number

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
Total	2,222	2,726	2,676	2,627	3,228	3,562	2,947	3,556	4,031	4,096	3,649
Singapore & Nanyang Universities	1,231	1,426	1,349	1,205	1,241	1,343	1,293	1,204	1,337	1,481	1,496
Arts & Social Sciences	315	377	282	226	171	234	232	220	278	314	308
Science ¹	463	480	429	295	232	267	264	170	193	281	300
Law	48	73	53	53	46	43	47	49	30	57	43
Medicine	111	114	113	119	124	90	99	105	120	78	93
Dentistry	32	34	25	30	23	30	15	24	28	16	15
Engineering	66	85	92	111	279	222	223	267	231	247	271
Architecture & Building/Estate Management	4	3	37	53	45	45	62	49	58	78	77
Accountancy & Business Administration	192	257	315	318	321	411	351	320	398	410	388
Education	-	3	3	-	-	1	-	-	1	-	1
Singapore Polytechnic	429	733	848	1,166	1,695	1,904	1,382	1,899	2,011	2,014	1,590
Engineering	277	548	693	1,012	1,491	1,651	1,063	1,595	1,692	1,687	1,390
Architecture & Building	100	117	79	84	125	144	190	171	181	230	179
Nautical	52	68	76	70	79	109	129	133	138	97	21
Ngee Ann Technical College	-	40	109	147	259	264	222	332	528	492	452
Institute of Education	562	527	370	109	33	51	50	121	155	109	111

1 Includes Pharmacy.

Source: University of Singapore
Nanyang University
Singapore Polytechnic
Ngee Ann Technical College
Institute of Education

14.13 FEMALE STUDENTS GRADUATED FROM UNIVERSITIES AND COLLEGES

Number

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
Total	1,485	1,370	1,585	1,492	1,319	1,627	1,682	2,176	1,998	2,480	2,069
Singapore & Nanyang Universities	545	706	683	901	941	1,037	1,095	1,153	1,085	1,282	1,149
Arts & Social Sciences	242	323	260	395	421	430	439	482	463	475	421
Science ¹	198	222	210	207	206	199	226	165	154	247	273
Law	14	12	27	35	36	39	61	67	79	73	56
Medicine	24	44	41	28	23	48	50	50	46	50	53
Dentistry	12	13	5	13	9	11	22	15	20	18	18
Engineering	-	1	1	4	10	14	18	23	9	25	17
Architecture & Building/Estate Management	-	2	3	5	5	11	11	23	23	21	40
Accountancy & Business Administration	55	89	136	214	231	284	268	328	290	373	270
Education	-	-	-	-	-	1	-	-	1	-	1
Singapore Polytechnic	7	34	54	144	176	319	289	464	376	478	379
Engineering	4	27	49	93	113	211	175	336	236	317	261
Architecture & Building	3	7	5	51	63	108	114	128	140	161	118
Ngee Ann Technical College	-	1	51	63	63	94	90	105	188	171	128
Institute of Education	933	629	797	384	139	177	208	454	349	549	413

¹ Includes Pharmacy.

Source: University of Singapore
Nanyang University
Singapore Polytechnic
Ngee Ann Technical College
Institute of Education

14.14 INTAKES OF VOCATIONAL AND INDUSTRIAL TRAINING INSTITUTES

Number

Course Level	1976			1977			1978			1979			1980		
	Total	Males	Females	Total	Males	Females	Total	Males	Females	Total	Males	Females	Total	Males	Females
Total	10,953	10,244	709	8,521	7,794	727	8,429	7,734	695	8,705	7,854	851	8,765	7,839	926
Full-time	8,309	7,711	598	7,336	6,676	660	7,004	6,402	602	7,116	6,377	739	6,140	5,386	754
Part-time	2,644	2,533	111	1,185	1,118	67	1,425	1,332	93	1,589	1,477	112	2,625	2,453	172
Diploma Certificate	-	-	-	-	-	-	-	-	-	-	-	-	43	16	27
Full-time	-	-	-	-	-	-	-	-	-	-	-	-	43	16	27
Industrial Technician Certificate	1,348	1,203	145	1,177	1,030	147	1,076	934	142	1,187	1,024	163	1,736	1,545	191
Full-time	1,144	1,010	134	986	848	138	1,024	886	138	1,049	909	140	1,541	1,373	168
Part-time	204	193	11	191	182	9	52	48	4	138	115	23	195	172	23
National Trade Certificate (Grade 2)	350	336	14	506	471	35	485	412	73	473	407	66	461	424	37
Full-time	-	-	-	-	-	-	-	-	-	-	-	-	125	118	7
Part-time	350	336	14	506	471	35	485	412	73	473	407	66	336	306	30
National Trade Certificate (Grade 3)	7,961	7,532	429	5,792	5,322	470	6,176	5,712	464	6,749	6,151	598	6,139	5,515	624
Full-time	6,429	6,086	343	5,304	4,857	447	5,288	4,840	448	5,771	5,196	575	4,153	3,604	549
Part-time	1,532	1,446	86	488	465	23	888	872	16	978	955	23	1,986	1,911	75
Artisan Certificate/Certificate of Competency	1,294	1,173	121	1,046	971	75	692	676	16	296	272	24	386	339	47
Full-time	736	615	121	1,046	971	75	692	676	16	296	272	24	278	275	3
Part-time	558	558	-	-	-	-	-	-	-	-	-	-	108	64	44

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	1976			1977			1978			1979			1980		
	Total	Males	Females	Total	Males	Females	Total	Males	Females	Total	Males	Females	Total	Males	Females
Total	6,311	5,885	426	6,785	6,287	498	6,446	5,908	538	5,893	5,299	594	8,162	7,425	737
Full-time	5,094	4,703	391	5,646	5,203	443	5,611	5,120	491	5,022	4,476	546	5,227	4,609	618
Part-time	1,217	1,182	35	1,139	1,084	55	835	788	47	871	823	48	2,935	2,816	119
Industrial Technician Certificate	739	653	86	916	807	109	1,214	1,052	162	966	841	125	1,065	937	128
Full-time	682	598	84	839	739	100	1,010	868	142	883	762	121	970	848	122
Part-time	57	55	2	77	68	9	204	184	20	83	79	4	95	89	6
National Trade Certificate (Grade 2)	319	306	13	383	373	10	238	226	12	276	241	35	549	493	56
Full-time	-	-	-	-	-	-	-	-	-	-	-	-	14	14	-
Part-time	319	306	13	383	373	10	238	226	12	276	241	35	535	479	56
National Trade Certificate (Grade 3)	4,285	4,066	219	4,805	4,516	289	4,415	4,051	364	4,427	3,995	432	6,135	5,587	548
Full-time	3,636	3,437	199	4,147	3,894	253	4,022	3,673	349	3,915	3,492	423	3,830	3,339	491
Part-time	649	629	20	658	622	36	393	378	15	512	503	9	2,305	2,248	57
Artisan Certificate/Certificate of Competency	968	860	108	681	591	90	579	579	-	224	222	2	413	408	5
Full-time	776	668	108	660	570	90	579	579	-	224	222	2	413	408	5
Part-time	192	192	-	21	21	-	-	-	-	-	-	-	-	-	-

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.

14.16 GOVERNMENT EXPENDITURE ON EDUCATION

Thousand Dollars

	1970/71	1971/72	1972/73	1973/74	1974/75	1975/76	1976/77	1977/78	1978/79	1979/80	1980/81 ⁵
Total	184,492	200,478	210,298	264,877	334,462	391,264	405,872	415,823	459,105	556,419	682,527
Recurrent Expenditure	173,599	187,144	201,512	255,090	308,005	339,870	361,222	381,368	426,354	505,207	606,296
Primary Schools	77,030	80,895	85,443	95,175	119,000	129,351	133,386	139,734	156,499	186,266	212,097
Secondary Schools & Junior Colleges	41,090	44,466	46,488	62,280	80,004	88,900	95,146	103,200	119,794	181,545	209,865
Technical/Vocational ¹	17,402	21,176	22,402	32,782	40,188	43,243	43,275	46,034	47,923	22,190	36,483
Tertiary	24,931	27,953	31,065	40,134	50,375	59,865	70,387	71,649	78,867	90,186	121,825
Singapore & Nanyang Universities	18,797	21,185	22,985	30,026	36,630	41,048	43,563	42,568	48,570	58,185	80,757
Institute of Education ²	2,534	2,568	2,630	3,593	5,785	6,487	9,113	11,043	10,257	7,831	13,476
Singapore Polytechnic & Ngee Ann Technical College ³	3,600	4,200	5,450	6,515	7,960	12,330	17,711	18,038	20,040	24,170	27,592
Adult Education	1,325	1,350	1,500	1,810	1,974	2,384	1,896	2,021	2,106	2,810	-
Others ⁴	11,821	11,304	14,614	22,909	16,464	16,127	17,132	18,730	21,165	22,210	26,026
Development Expenditure	10,893	13,334	8,786	9,787	26,457	51,394	44,650	34,455	32,751	51,212	76,231

1 Figures refer to Technical/Vocational Institutes under VITB, whose expenditure for 1980/81 was included under the Ministry of Science & Technology.

Source: Ministry of Education

2 Formerly known as Teachers' Training College.

3 From 1970 to 1974/75, figures for Ngee Ann Technical College are classified under 'Others'. The expenditures for 1979/80 and 1980/81 were covered by the Ministry of Science & Technology.

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

5 Based on Budget estimates.

15. HEALTH

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 135 dental clinics located at various hospitals, out-patient/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 comprehen-

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			
1970	11	5	79	27	49
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	134	27	30
1980	13	13	135	27	29

Source: Ministry of Health

15.2 REGISTERED MEDICAL PERSONNEL

Year	Doctors		Dentists		Pharmacists		Nurses ¹		Midwives ¹		Number
	Government	Private	Government	Private	Government	Private	Government	Private	Government	Private	
1970	496	867	102	296	47	198	2,840	1,461	1,493	601	
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	

¹ Include midwives who are registered nurses and vice versa.

Source: Ministry of Health

15.3 GOVERNMENT HOSPITAL BEDS

Number

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
Total	6,891	7,346	7,981	8,031	7,872	8,005	8,609	8,574	8,493	8,485	8,078
General Hospitals											
Alexandra Hospital	-	217	282	380	372	438	479	479	483	503	503
Changi Hospital ¹	-	-	-	-	36	36	180	180	180	180	202
Sembawang Hospital	-	34	64	64	64	64	64	64	64	64	64
Singapore General Hospital	1,328	1,491	1,521	1,521	1,521	1,521	1,521	1,521	1,521	1,459	1,397
Tan Tock Seng Hospital	1,306	1,304	1,303	1,303	1,303	1,369	1,369	1,358	1,311	1,345	1,335
Toa Payoh Hospital	338	344	384	384	384	388	410	410	412	412	412
Specialised Hospitals											
Kandang Kerbau Hospital ²	539	554	553	560	560	560	751	727	687	687	687
St Andrew's Hospital	120	120	120	120	120	120	120	120	120	120	80
Middleton Hospital	250	272	273	272	272	272	272	272	272	272	272
Middle Road Hospital	51	51	51	51	47	44	-	-	-	-	-
Trafalgar Hospital	785	785	785	731	731	731	731	731	731	731	434
Woodbridge Hospital ³	2,174	2,174	2,645	2,645	2,462	2,462	2,462	2,462	2,462	2,462	2,442
View Road Hospital	-	-	-	-	-	-	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

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
Total	135,952	146,714	154,849	159,971	156,760	164,205	184,146	190,332	209,130	234,328	234,502
Alexandra Hospital	-	955	8,094	11,666	13,897	20,159	23,983	24,095	28,339	33,089	34,841
Changi Hospital	-	-	-	-	-	71	597	1,853	2,520	3,157	4,113
Sembawang Hospital	-	109	593	775	989	1,115	1,090	874	745	994	1,076
Singapore General Hospital	58,235	61,939	60,144	63,709	58,306	53,956	53,515	54,444	53,036	60,208	58,637
Tan Tock Seng Hospital	8,330	8,663	8,592	9,271	9,558	13,019	15,014	19,490	28,590	37,789	37,680
Toa Payoh Hospital	19,158	21,753	23,524	22,226	21,635	21,819	25,193	25,245	26,740	30,414	31,937
Kandang Kerbau Hospital	43,077	46,167	46,522	45,244	43,391	40,028	54,052	49,879	53,451	55,236	53,437
St Andrew's Hospital	365	399	339	333	301	226	251	219	265	180	192
Middle Road Hospital	1,000	906	875	655	666	627	-	-	-	-	-
Middleton Hospital	2,553	2,743	3,474	3,118	4,953	9,974	6,591	9,619	10,634	7,965	6,748
Trafalgar Hospital	224	250	235	213	223	252	228	238	223	200	162
Woodbridge Hospital ¹	3,010	2,830	2,457	2,761	2,841	2,872	3,478	4,304	4,534	5,043	5,576
View Road Hospital	-	-	-	-	-	87	154	72	53	53	103

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
1970	2,147,576	1,970,702	21,177	18,456	32,721	104,520
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

¹ Closed with effect from 31 December 1977.

Source: Ministry of Health

15.6 VISITS TO GOVERNMENT DENTAL CLINICS

						Number
Year	Total	School	Hospital	Maternal and Child Health Clinic	Outpatient Clinic	Others ¹
1970	593,514	431,723	122,611	34,398	-	4,782
1971	591,457	438,683	110,619	35,688	-	6,467
1972	596,714	436,132	116,369	38,176	-	6,037
1973	650,509	465,435	127,456	38,415	12,372	6,831
1974	698,114	473,233	139,460	48,297	29,336	7,788
1975	757,026	485,076	164,431	52,560	49,308	5,651
1976	786,921	487,766	174,435	25,147	67,126	32,447
1977	900,127	551,787	178,014	21,192	105,975	43,159
1978	907,450	534,476	178,695	17,627	122,315	54,337
1979	1,046,167	609,314	198,186	18,159	137,819	82,689
1980	1,009,019	539,459	201,638	15,089	152,457	100,376

¹ Refers to 4 dental clinics attached to Police Academy, Community Centres as well as visits to Institute of Dental Health.

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
1970	144,928	582	232,815	..	35,805
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	33,961

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
1970	1	32	52	158	153	473	-	3,292	-	-
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

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

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
BCG Vaccination	41.6	43.0	45.6	44.2	39.3	36.1	38.2	34.2	34.6	35.3	35.0
Smallpox Vaccination	35.3	35.8	38.0	39.6	37.5	35.1	36.3	33.0	31.6	32.4	31.5
Diphtheria Immunization											
Diphtheria Tetanus											
1st Dose	8.3	7.6	6.6	5.5	5.0	4.0	3.0	2.2	2.0	1.8	1.7
2nd Dose	8.2	7.5	6.2	5.1	5.0	4.0	3.0	2.1	2.1	1.8	1.9
Boosters	52.6	46.8	44.9	47.2	54.5	47.4	20.4	14.5	14.2	11.9	10.8
Triple Antigen											
1st Dose	37.0	37.8	41.1	41.1	36.5	32.5	33.2	32.8	30.0	31.1	29.8
2nd Dose	35.6	35.7	39.5	39.0	35.5	31.7	31.4	31.7	28.4	29.5	28.3
3rd Dose	35.0	35.2	38.8	38.6	36.1	31.3	30.2	31.3	27.8	28.5	27.6
Boosters	11.2	11.9	13.6	15.3	7.2	8.8	20.9	19.8	21.4	20.2	20.2
Polioyelitis Immunization											
1st Dose	45.2	44.3	46.7	45.8	40.7	35.8	35.6	34.5	31.6	32.5	31.2
2nd Dose	44.4	43.1	46.0	43.7	40.5	36.1	34.2	33.8	30.5	31.3	30.1
3rd Dose	44.3	43.4	45.8	44.0	41.6	35.8	33.6	34.0	30.2	30.8	30.0
Boosters	67.7	58.3	57.4	62.2	62.1	63.9	67.3	59.4	62.7	58.4	55.7
Measles	-	-	-	-	-	-	3.4	10.3	9.2	10.0	18.0

Source: Ministry of Health

15.10 VACCINATION AND IMMUNIZATION OF SCHOOL CHILDREN

Thousand Doses

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
BCG Vaccination	35.0	23.6	22.4	21.4	31.1	31.4	31.1	26.1	30.9	29.8	27.4
Smallpox Revaccination	51.7	51.6	47.6	46.4	44.3	41.8	37.4	43.5	40.0	43.5	42.9
Diphtheria Tetanus											
1st Dose	8.0	3.3	2.9	1.8	1.2	1.0	0.6	0.9	0.4	0.4	0.5
2nd Dose	6.8	3.3	2.3	1.6	1.2	0.9	0.5	0.8	0.4	0.4	0.4
Boosters	31.3	24.5	23.2	23.3	21.1	19.6	119.3	99.6	118.0	120.4	111.8
Poliomyelitis Immunization											
1st Dose	40.1	33.9	41.1	38.2	35.3	29.0	1.1	1.2	0.5	0.5	0.5
2nd Dose	46.6	36.7	40.3	38.9	36.7	33.2	1.1	1.3	0.6	0.5	0.4
3rd Dose	-	-	-	-	-	-	0.5	1.4	0.7	0.6	0.6
Boosters	-	-	-	-	-	-	125.8	98.7	102.6	104.5	97.7
Rubella	-	-	-	-	-	-	9.8	20.1	20.9	36.3	26.9

Source: Ministry of Health

15.11 STUDENT MEDICAL CHECK-UP

Thousand

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
Total	161.6	181.1	140.1	180.6	217.8	184.6	220.3	205.4	214.2	214.7	218.5
By Category:											
New Entrants	50.9	54.1	36.4	41.0	45.8	41.3	41.6	43.6	44.4	46.5	45.8
Primary School Leavers	53.4	57.1	40.9	48.0	54.4	49.8	51.8	39.2	44.0	42.9	40.3
Secondary School Leavers	22.9	25.7	21.2	24.3	30.8	17.0	36.9	17.1	18.0	17.8	15.2
Re-examination	31.4	41.3	41.0	48.0	66.8	73.5	85.5	103.0	106.9	106.3	115.1
Others	3.0	2.9	0.6	19.3	20.0	3.0	4.5	2.5	0.9	1.2	2.0
By Sex:											
Males	70.2	85.0	60.3	76.2	106.0	84.6	109.8	96.3	100.3	98.8	101.9
Females	91.4	96.1	79.8	104.4	111.8	100.0	110.5	109.1	113.9	115.9	116.6

Source: Ministry of Health

15.12 RESULTS OF STUDENT MEDICAL CHECK-UP

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
Per 10,000 Males Examined											
Incidence of:											
Dental Caries	2,656	2,725	2,628	1,953	1,661	1,623	1,566	1,741	1,421	1,286	1,109
Skin Infection	595	641	559	306	253	218	332	81	129	253	282
Eyes: Infection	59	30	53	5	2	7	3	2	33	73	114
Defective Vision	2,177	1,722	2,251	1,766	2,844	3,295	2,722	2,382	2,476	2,885	2,939
ENT : Deafness	-	-	-	2	2	4	1	2	9	7	12
Ear Infections	7	8	43	12	7	6	3	2	27	73	3
Cardiac Disease	121	134	171	69	52	86	92	141	206	202	191
Respiratory Infection	68	79	57	9	24	7	11	1	6	7	8
Genito - Urinary	651	716	793	557	590	572	280	442	717	606	786
Anaemia (Under 60% Haemoglobin)	81	16	7	5	7	2	1	1	2	3	2
Worm Infestation	53	77	93	6	39	6	1	2	1	4	-
Others ¹	168	139	339	102	173	220	103	193	141	110	110
Per 10,000 Females Examined											
Incidence of:											
Dental Caries	2,584	2,300	1,740	1,687	1,300	1,093	1,175	1,199	892	912	938
Skin Infection	1,167	970	508	424	189	313	279	231	237	358	295
Eyes: Infection	125	58	64	9	3	6	1	1	15	107	23
Defective Vision	2,006	2,640	2,832	2,111	3,080	4,064	3,257	3,439	3,433	3,851	3,779
ENT : Deafness	-	-	-	1	2	3	2	1	8	8	12
Ear Infections	18	19	23	11	6	3	3	1	64	107	1
Cardiac Disease	60	49	38	62	53	50	90	86	206	198	231
Respiratory Infection	124	102	78	52	37	8	18	2	6	5	6
Genito - Urinary	59	47	38	67	36	31	14	18	22	4	5
Anaemia (Under 60% Haemoglobin)	8	5	4	6	4	3	1	3	2	2	2
Worm Infestation	337	336	188	132	56	8	6	8	6	2	-
Others ¹	262	140	171	71	128	216	137	187	107	97	124

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

Source: Ministry of Health

15.13 FAMILY PLANNING

Number

Year	Visits to Family Planning Clinics ¹							Sterilization		
	Total	First Visit			Re-visits			Total	Females	Males
		Contraceptive Pill	Condom	Others	Contraceptive Pill	Condom	Others			
1970	403,566	12,365	10,088	1,777	297,436	61,361	20,539	2,372	2,321	51
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	6,945	6,487	458

¹ Figures refer to visits to Government Clinics only.

Source: Singapore Family Planning & Population Board

15.14 BLOOD DONATIONS AND TRANSFUSIONS

Year	Donors	Blood Donated	Transfusion 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

¹ One unit refers to a packet of 400-450cc of blood.

Source: Ministry of Health

16. CULTURE AND RECREATION

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 all four official languages, namely, Malay, Chinese, Tamil and English. Commercial broadcasting is also incorporated in the services.

Each language service of the radio service of the SBC operates on a separate channel, both on AM (medium and shortwave bands) and FM in the VHF Band II. A FM Stereo Service was introduced in July 1969 and mainly music is featured over this service.

Television services were first

introduced in Singapore in February 1963. Programmes are transmitted on two channels in all the official languages and are usually subtitled in one other language to cater for a greater number of viewers.

The conversion of the television service from monochrome to colour began on 2 May 1974 with trade and test transmissions. On 1 August 1974, the "pilot" colour service utilizing only film material was introduced. In the last few years the proportion of colour transmission time has doubled, from 43 per cent in August 1975 to 86 per cent in August 1979. The transmission in black and white is confined to occasional feature films and some serials televised during off-peak hours. News and newsreels, locally produced documentaries, most 'live' or pre-recorded outside telecasts and all local studio productions are now televised in colour.

Under the Singapore Broadcasting Corporation Act, 1979, a licence has to be obtained by all persons 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 Service, 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, Queens-town and Toa Payoh, part-time branch libraries in Bedok, Siglap and Jurong and three mobile library vehicles providing weekly services to 11 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.

16.1 RADIO AND TELEVISION LICENCES AND REDIFFUSION SUBSCRIBERS

End of Year	Radio Licences	Radio and Television Licences	Rediffusion Subscribers
1970	80,008	156,848	60,704
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	62,230	396,837	107,080

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		
1970	581	133	154	112	126	56	106.5
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

Source: Singapore Broadcasting Corporation

16.3 CINEMAS

Year	Cinemas			Total Seating Capacity	Attendances
	Total	Air Conditioned	Other		
	Number			Thousand	
1970	72	36	36	55	27,980
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

Source: Customs & Excise Department

16.4 BOOKS AT THE NATIONAL LIBRARY

Year	Number				
	Total	Malay	Chinese	Indian	English
1970	460,552	56,299	124,946	33,259	246,048
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

Source: Singapore National Library

16.5 NATIONAL LIBRARY MEMBERSHIP

Year	Total	Persons Aged 15 Years and Over	Children Under 15 Years
1970	177,513	60,022	117,491
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

Source: Singapore National Library

16.6 DAILY NEWSPAPERS CIRCULATION

Number

Year	Total	English	Chinese	Malay	Others
1970	394,204	163,525	196,786	20,646	13,247
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

PUBLICATIONS BY DEPARTMENT OF STATISTICS

TITLES		Prices in S\$ (excluding postage)
1	Monthly Digest of Statistics	3.50
2	Yearbook of Statistics, 1980/81	5.00
3	Singapore Statistical Charts, 1980/81	11.00
*4	Singapore Annual Key Indicators, 1971-1980	2.10
5	Singapore Trade Statistics, Imports & Exports (Monthly) (last issue December 1979)	8.00
6	Singapore Half-Yearly Trade Statistics, Imports & Exports (last issue July-December 1979)	28.50
7	Singapore Trade Statistics, Imports & Exports (Monthly) (w.e.f. January 1980)	23.00
*8	Memorandum on Unit Value and Volume Indices of External Trade (Base Year 1972=100)	2.00
9	Report on the Census of Industrial Production, 1979	6.00
10	Singapore Manufacturers and Products Directory, 1980	8.00
11	Report on the Census of Population, 1970, Singapore Volume I & II	40.00
12	The Consumer Price Index, Singapore (Based on Household Expenditure Survey, 1972/73)	2.00
13	Report on the Household Expenditure Survey, 1972/73	3.50
14	The General Wholesale Price Index of Singapore	2.00
15	Report on Survey of Households, April 1977	5.00
16	The Consumer Price Index, Singapore (Based on Household Expenditure Survey 1977/78)	2.00
17	Report on the Household Expenditure Survey, 1977/78	5.00
18	Report on the Labour Force Survey, June 1973	2.00
19	Singapore National Accounts, 1960-1973	2.50
20	Singapore Balance of Payments, 1972-1974	2.00
21	Singapore Input-Output Tables, 1973	10.00
*22	Shipping and Cargo Statistics (Monthly)	2.10
*23	Air Transport Statistics (Monthly)	3.00
24	Report on the Census of Services, 1972	2.50
25	Report on the Census of Wholesale and Retail Trades, Restaurants and Hotels, 1973	4.00
26	Report on the Census of Services, 1974 Volume I Real Estate, Business, Social and Personal Services	3.00
27	Report on the Census of Services, 1974 Volume II Transport, Storage, Communication, Financing and Insurance Services and Non-Profit Organisations	5.00
28	Report on the Census of Wholesale and Retail Trades, Restaurants and Hotels, 1975	4.00
29	Report on the Survey of Services, 1976	7.50
30	Report on the Survey of Wholesale and Retail Trades, Restaurants and Hotels, 1977	7.00
31	Report on the Survey of Services, 1978	9.50
32	Singapore Standard Occupational Classification, 1978	6.50
33	Singapore Standard Industrial Classification, 1978	4.00
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