

**FOR
AGENDA**

SM/82/99

CONTAINS CONFIDENTIAL
INFORMATION

May 27, 1982

To: Members of the Executive Board
From: The Secretary
Subject: Ethiopia - Recent Economic Developments

This paper provides background information to the staff report on the 1982 Article IV consultation discussions with Ethiopia and a review of the stand-by arrangement, which was circulated as EBS/82/83 on May 10, 1982.

Att (1)

Other Distribution:
Department Heads

INTERNATIONAL MONETARY FUND

ETHIOPIA

Recent Economic Developments

Prepared by a staff mission consisting of
Messrs. A. Basu (Head-APR), J.P. Briffaux (APR),
C.F.J. Boonekamp (ETR), A.M. Feltenstein (FAD),
and A. Salehizadeh (STAT)

Approved by the African, the Exchange and Trade Relations,
and the Fiscal Affairs Departments

May 24, 1982

Contents

Basic Data	i
I. Production and Demand	1
1. Introduction	1
2. Developments in aggregate supply and demand	2
3. Agricultural sector	3
a. Introduction	2
b. Production and marketing	5
c. Coffee	7
4. Manufacturing	8
5. Energy and mining	10
6. Housing and Construction	11
7. Transportation	12
8. Prices, wages, and employment	12
9. Development planning	13
a. Macroeconomic objectives, 1980/81-1989/90	13
b. Financing of investments	14
c. Major projects	14
II. Public Finance	15
1. Introduction	15
2. Overall budgetary developments	16
3. Revenues	18
4. Expenditures	21

<u>Contents</u>	<u>Page</u>
III. Money and Credit	22
1. Introduction	22
2. Overall developments in broad money and domestic credit	24
3. Commercial bank's liquidity and credit	27
4. Specialized banks	27
5. Interest rates	29
IV. International Transactions	30
1. Overall balance of payments developments	30
2. Merchandise trade	32
a. Exports	32
b. Imports	36
c. Direction of trade	37
3. Services and transfers	38
4. Capital account and external debt	38
5. External reserves	40
V. Exchange and Trade System	41
1. Exchange rate system	41
2. Administration of control	42
3. Prescription of currency	42
4. Nonresident accounts	43
5. Imports and import payments	43
6. Payments for invisibles	44
7. Exports and export proceeds	44
8. Proceeds from invisibles	45
9. Capital	45
Text Tables	
1. Sectoral Composition and Growth of Sectoral GDP, 1977/78-1981/82	2
2. Composition and Growth of Expenditure on GDP at Market Prices, 1978/79-1981/82	4
3. Summary of Central Government Finances, 1977/78-1981/82	17
4. Central Government Revenue, Composition and Growth, 1977/78-1981/82	19
5. Ratios to GDP, and Bouyancy Rates for Selected Government Revenues, 1977/78-1981/82	20
6. Central Government Expenditure, Composition and Growth, 1977/78-1981/82	23
7. Monetary Indicators, 1976/77-1980/81	25
8. Commercial Bank's Reserves, Liquidity, and Lending Positions, 1977-81	28
9. Balance of Payments, 1977/78-1980/81	31

	<u>Contents</u>	<u>Page</u>
Appendix Tables		
I.	Gross Domestic Product by Sector at Current Factor Cost, 1977/78-1981/82	46
II.	Gross Domestic Production by Sector at Constant 1960/61 Factor Cost, 1977/78-1981/82	47
III.	Indices of Implicit GDP and Sectoral Deflators, 1977/78-1981/82	48
IV.	Expenditure on Gross Domestic Product at Current Market Prices, 1977/78-1981/82	49
V.	Production of Major Food Crops, 1977/78-1981/82	50
VI.	Yields for the Major Food Crops, 1977/78-1981/82	51
VII.	State Farms' Production of Major Crops, 1977/78-1982/83	52
VIII.	Major Crop Yields on State Farms, 1977/78-1982/83	53
IX.	AMC's Purchase and Cost Prices for Major Food Crops, 1981/82	54
X.	Estimates of Coffee Production, Marketing, and Stocks, 1977/78-1980/81	55
XI.	Coffee Export Marketing and Price Structure, 1980/81-1981/82	56
XII.	Gross Value of Manufacturing Production at Current Prices, 1977/78-1979/80	57
XIII.	Public Sector Industrial Output at Constant 1971 Prices, 1977/78-1981/82	58
XIV.	Selected Data on Public and Private Sector Manufacturing Industry, 1979-80	59
XV.	Employment in Public Sector Industries, 1977/78-1981/82	60
XVI.	Consolidated Income Statement for the Public Sector Companies, 1977/78-1979/80	61
XVII.	Consumption of Petroleum Products, 1977-81	62
XVIII.	Ex-refinery and Retail Prices of Petroleum Products, 1978-82	63
XVIX.	Retail Price Index for Addis Ababa (Excluding Rent), 1977/78-1981/82	64
XX.	Retail Price Index for Food Items in Addis Ababa, 1977/78-1981/82	65
XXI.	Export Commodities, Addis Ababa Wholesale f.o.b. Price Index, 1977/78-1981/82	66
XXII.	Central Government Revenue, 1977/78-1981/82	67
XXIII.	Central Government Current Expenditure Functional Classification, 1977/78-1981/82	68
XXIV.	Central Government Current Expenditure Economic Classification, 1977/78-1981/82	69

	<u>Contents</u>	<u>Page</u>
Appendix Tables (concluded)		
XXV.	Central Government Capital Expenditure, 1977/78-1981/82	70
XXVI.	Central Government External Borrowing, 1977/78-1980/81	71
XXVII.	Central Government Domestic Financing, 1977/78-1981/82	72
XXVIII.	Central Government Domestic Debt and Deposits by Holder, 1977-81	73
XXIX.	Summary of Tax System as of March 1982	74-79
XXX.	Monetary Survey, 1977-81	80
XXXI.	Statement of the National Bank of Ethiopia, 1977-81	81
XXXII.	Consolidated Statement of the Commercial Bank, 1977-81	82
XXXIII.	Sectoral Breakdown of Commercial Bank Claims on Enterprises, Etc., 1977-81	83
XXXIV.	Consolidated Statement of the Specialized Banks, 1977-81	84
XXXV.	AIDB Loans Outstanding, 1977-81	85
XXXVI.	Structure of Interest Rates	86
XXXVII.	International Reserves and Net Foreign Assets, 1977-81	87
XXXVIII.	Balance of Payments, 1977/78-1980/81	88
XXXIX.	Value of Major Exports, 1977/78-1980/81	89
XL.	Volume of Major Exports, 1977/78-1980/81	90
XLI.	Value of Imports by End-Use, 1977/78-1980/81	91
XLII.	Volume of Crude Oil Imports, 1977-81	92
XLIII.	Value of Crude Oil Imports, 1977-81	93
XLIV.	Exports by Country of Destination, 1977-80	94
XLV.	Recorded Imports by Country of Origin, 1977-80	95
XLVI.	Services and Transfers, 1977/78-1980/81	96
XLVII.	Nonmonetary Capital, 1977/78-1980/81	97
XLIII.	External Public Debt Disbursements by Sector and Lender, 1977/78-1980/81	98
XLIX.	Summary of External Public Debt, 1977/78-1982/83	99
L.	External Public Debt Outstanding By Lender, 1978-81	100
LI.	External Public Debt Service, 1977/78-1985/86	101
LII.	Suppliers' and Commercial Bank Credits Contracted, 1968/69-1981/82	102
LIII.	New External Public Debt Commitments, 1977/78-1980/81	103
LIV.	Real Effective Exchange Rate Indices, 1975-1982	104-105

	<u>Contents</u>	<u>Page</u>
<u>Charts</u>		
1.	Structure and Real Growth of GDP, 1977/78-1981/82	2a
2.	Resource Gap, Gross Fixed Investment, Domestic Savings, and Terms of Trade Losses as Ratios to Nominal GDP, 1978/79-1981/82	2b
3.	Yields of Major Cereal Crops: National Average and State Farms, 1978/79-1981/82	6a
4.	Export Volume and Prices of Unwashed and Washed Coffee, 1975/76-1981/82	3a
5.	Labor Productivity in the Major Industrial Enterprises, 1977/78-1981/82	10a
6.	Summary of Central Government Finance, 1977/78-1981/82	16a
7.	Central Government Revenue: Selected Indicators, 1976/77-1981/82	18a
8.	Central Government Expenditure: Composition, 1977/78-1981/82	22a
9.	Factors Affecting Changes in Broad Money, 1976/77-1980/81	24a
10.	Growth of Domestic Credit by Debtor and by Origin, 1976/77-1980/81	26a
11.	Balance of Payments, 1977/78-1980/81	30a
12.	Merchandise Exports, 1977/78-1980/81	32a
13.	Merchandise Imports, 1977/78-1980/81	36a
14.	Nominal and Real Effective Exchange Rates, January 1975-December 1981 (Trade-Weighted)	42a
15.	Nominal and Real Effective Exchange Rates, January 1975-December 1981 (Import-Weighted and Export-Weighted)	42b

ETHIOPIA--Basic Data

Area, population, and GDP per capita

Area:	1.2 million square kilometers
Population:	
Total (mid-1982 estimate)	33.5 million
Growth rate	2.3 per cent
GDP per capita (1982):	SDR 118 (Br 279)

<u>1978/79</u>	<u>1979/80</u>	<u>1980/81</u>	<u>1981/82</u>	<u>1/1982/83</u>	<u>1/</u>
<u>Fiscal year ended July 6</u>					

Gross domestic product (GDP) (In millions of birr)

GDP at current market prices	7,967.2	8,462.2	8,784.7	9,346.4	10,468.0
Agriculture (per cent of total)	44.1	44.0	44.1	43.4	...
Manufacturing (per cent of total)	5.9	6.3	6.6	6.6	...
Distribution services (per cent of total)	13.5	13.8	14.2	14.1	...
GDP at constant 1960/61 factor cost	4,217.5	4,456.2	4,603.9	4,811.0	5,052.0

Government finance

Revenues and cash grants	1,375.2	1,559.9	1,743.3	1,769.0	1,900.0
Expenditure	1,614.8	1,937.3	2,096.9	2,261.8	2,494.9
Current	(1,281.9)	(1,548.0)	(1,658.7)	(1,763.0)	(1,894.9)
Capital	(332.9)	(389.3)	(438.2)	(498.8)	(600.0)
Overall deficit and financing	239.6	377.4	353.6	492.8	594.9
External borrowing (net)	(161.1)	(142.5)	(124.1)	(384.3)	(...)
Domestic financing (net)	(78.5)	(234.9)	(229.5)	(108.5)	(...)

1/ Planned or budgeted.

ETHIOPIA--Basic Data (continued)

	<u>1979</u>	<u>1980</u>	<u>1981</u>	<u>1982 1/</u>	<u>1983 1/</u>
	<u>End of June</u>				
<u>Money and credit</u>	<u>(In millions of birr)</u>				
Domestic credit	2,085.0	2,612.3	2,829.7	3,011.4	...
Claims on Government					
(net)	(862.3)	(968.1)	(1,107.9)	(1,181.4)	(...)
Other credit	(1,222.7)	(1,644.2)	(1,721.8)	(1,830.0)	(...)
Money and quasi-money	1,859.3	2,332.2	2,377.6	2,496.5	...
	<u>1978/79</u>	<u>1979/80</u>	<u>1980/81</u>	<u>1981/82 1/</u>	<u>1982/83 1/</u>
	<u>Fiscal year ended July 6</u>				
<u>Balance of payments</u>	<u>(In millions of SDRs)</u>				
Exports, f.o.b.	280.8	364.5	322.6	352.2	385.9
Of which: coffee	(204.1)	(234.5)	(201.4)	(215.1)	(221.7)
Imports, c.i.f.	459.5	545.1	562.0	734.3	780.8
Trade balance	<u>-178.7</u>	<u>-180.6</u>	<u>-239.4</u>	<u>-382.1</u>	<u>-394.9</u>
Services (net)	16.4	21.0	27.5	37.3	42.6
Private unrequited transfers	18.2	15.4	19.6	33.7	36.2
Current account balance	<u>-144.1</u>	<u>-144.2</u>	<u>-192.3</u>	<u>-311.1</u>	<u>-316.1</u>
Official unrequited transfers	46.6	46.0	41.5	54.0	81.0
Capital account (net)	42.2	62.9	84.7	277.6	170.6
Errors and omissions	16.0	1.5	15.3	--	--
SDR allocations	3.6	3.7	3.8	--	--
Overall balance (deficit -)	<u>-35.7</u>	<u>-30.1</u>	<u>-47.0</u>	<u>20.5</u>	<u>-64.5</u>
<u>Exchange rate (Bt/SDR, period average)</u>	2.6531	2.6934	2.6030	2.3707	2.3451

1/ Staff projections.

ETHIOPIA--Basic Data (concluded)

1978/79 1979/80 1980/81 1981/82 1/ 1982/83 1/

(In millions of SDRs)

External public debt
(end of period)

Disbursed and out-standing	453.9	516.7	625.2	901.1	1,114.3
Debt service payments (including Fund charges and repurchases)	21.7	23.7	27.7	46.8	64.0

1979 1980 1981 1982 1983

Gross official interna-tional reserves
(end of June)

				<u>Feb.</u>	
84.9	117.9	124.7	213.0	...	

1/ Staff projections.

I. Production and Demand

1. Introduction

Since mid-1978 Ethiopia has made substantial progress in overcoming the economic disruptions caused by the institutional changes and the hostilities on the Somalian and Eritrean fronts during the four preceding years. To alleviate food shortages and reduce food imports, the Government made considerable efforts to develop agricultural production in the peasant sector and on the state farms, and succeeded in raising the volume of agricultural output marketed through the official marketing channels. Efforts were also made to improve the management of public enterprises and alleviate transportation bottlenecks. The development effort was organized under annual plans called National Revolutionary Development Campaigns (NRDC). The Central Planning Supreme Council (CPSC) closely supervised the achievement of the plan's various quantitative targets for production, investment, and financial operations of the public sector, and the establishment of prices according to the Government's economic and social objectives.

The annual campaigns successfully revitalized the economy and induced a recovery which was reflected in significant increases in export volume and in the growth rate of real gross domestic product (GDP). However, with the rapid growth of investment and GDP, domestic and external financial constraints became increasingly tighter, and by 1980/81 ^{1/} imposed severe limits to further expansion of investment and the economy. Against this background the CPSC has issued a ten-year development plan (1980/81-1989/90) which outlines an investment strategy for achieving the broad macroeconomic and developmental objectives of the Government.

2. Developments in aggregate supply and demand

During the two-year period 1980/81-1981/82 real GDP at factor cost grew at an average rate of 3.9 per cent, which was higher than the population growth rate (Table 1, and Appendix Tables I-III). However, compared to the previous two-year period, which was characterized by rapid economic recovery, there has been a significant slowdown in the real growth rate in 1980/81-1981/82. This slowdown has been the result primarily of the slower growth in the production of tradeable goods, ^{2/} in particular in the agricultural sector, which accounts for about half of GDP, and in the manufacturing and construction sectors (Chart 1). In the agricultural sector, where subsistence farming is predominant, the crops were affected by adverse weather conditions in 1980/81 and (to a lesser extent) in 1981/82. Moreover, with a declining trend in world prices, the domestic producer prices for coffee (the major export crop) declined in real terms and in relation to prices in the unofficial domestic market, which weakened the incentives for growth in production and marketing. In the manufacturing sector the near full utilization of capacity in a number of industries,

^{1/} Fiscal year ended July 6, 1981.

^{2/} Defined to include agriculture and other commodity sectors.

Table 1. Ethiopia: Sectoral Composition and Growth of Sectoral GDP, 1978/79-1981/82

(In per cent)

Fiscal Year Ended July 6 Ethiopian Fiscal Year	1978/79		1979/80		1980/81 1/		1981/82 2/		1980/81 1/		1981/82 2/	
	1971	1972	1972	1973	1973	1974	1974	1974	1973	1974	1974	1974
	Composition 3/								Annual growth rate in constant prices			
GDP at factor cost	88.9	90.1	90.1	91.1	91.1	91.1	91.1	91.1	5.2	5.7	3.3	4.5
Agricultural sector	45.9	45.7	45.7	45.8	45.8	45.1	45.1	45.1	2.4	4.8	2.4	3.6
Of which:												
agriculture	(44.1)	(44.0)	(44.0)	(44.1)	(44.1)	(43.4)	(43.4)	(43.4)	(2.4)	(4.9)	(2.4)	(3.7)
Other commodity sectors	13.1	14.1	14.1	14.4	14.4	15.2	15.2	15.2	12.0	10.4	3.9	7.8
Of which:												
manufacturing	(5.9)	(6.3)	(6.3)	(6.6)	(6.6)	(6.6)	(6.6)	(6.6)	(24.8)	(12.7)	(5.6)	(5.2)
handicraft	(3.6)	(3.5)	(3.5)	(3.5)	(3.5)	(3.4)	(3.4)	(3.4)	(4.0)	(2.5)	(2.5)	(2.5)
building construction	(2.9)	(3.5)	(3.5)	(3.6)	(3.6)	(4.4)	(4.4)	(4.4)	(7.7)	(16.7)	(2.8)	(16.5)
Distribution services	13.5	13.8	13.8	14.2	14.2	14.1	14.1	14.1	12.1	5.7	5.3	4.8
Other services	16.4	16.5	16.5	16.6	16.6	16.7	16.7	16.7	2.5	4.2	3.3	3.7
Of which:												
public administration	(6.1)	(6.0)	(6.0)	(6.0)	(6.0)	(6.1)	(6.1)	(6.1)	(1.0)	(3.7)	(2.0)	(3.0)
Memorandum items:												
Tradeable GDP 4/	59.0	59.8	59.8	60.2	60.2	60.3	60.3	60.3	4.6	6.2	2.8	4.2
Nontradeable GDP	29.9	30.3	30.3	30.8	30.8	30.8	30.8	30.8	6.1	4.8	4.1	4.2
Nonagricultural GDP	43.0	44.4	44.4	45.3	45.3	46.0	46.0	46.0	7.8	6.4	4.1	5.3

Source: Appendix Tables I and II.

1/ Provisional.

2/ Projections.

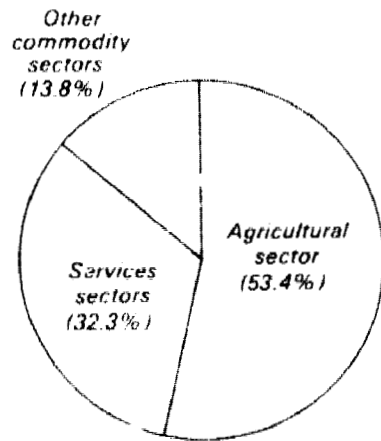
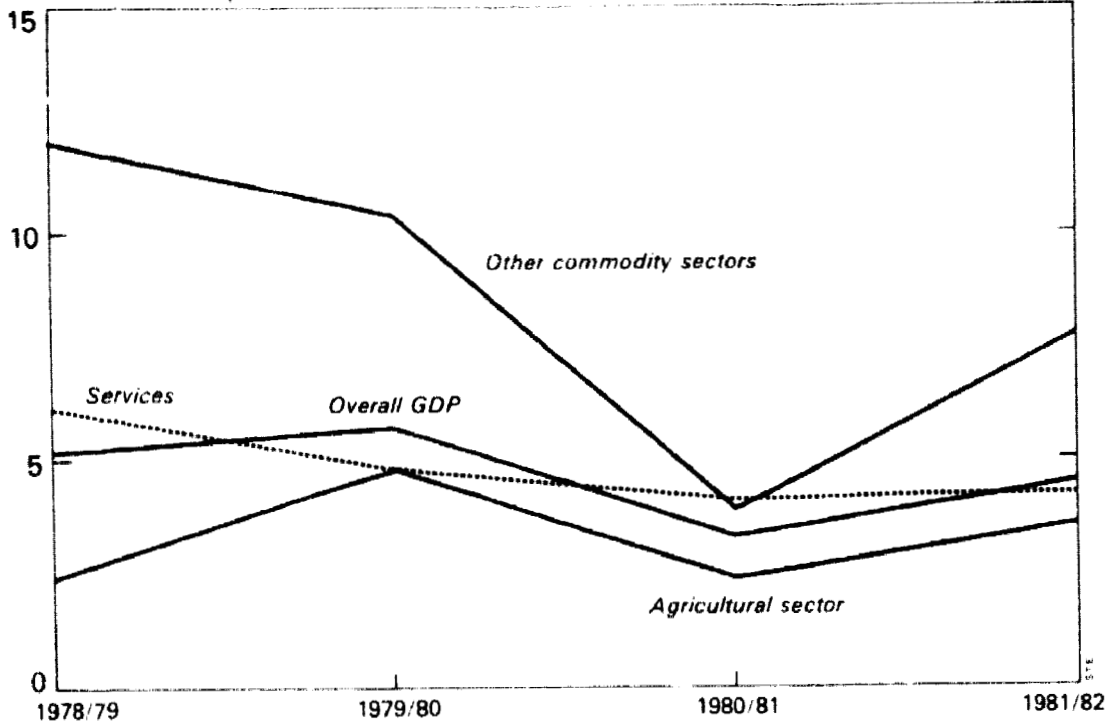
3/ In per cent of GDP at current market prices.

4/ Consists of the agricultural sector and the other commodity sectors.

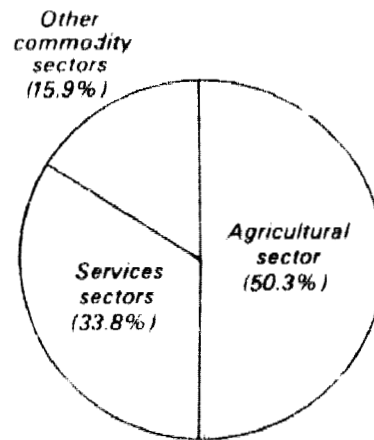
CHART 1
ETHIOPIA

STRUCTURE AND REAL GROWTH OF GDP, 1977/78-1981/82

Annual increases in per cent



1977/78

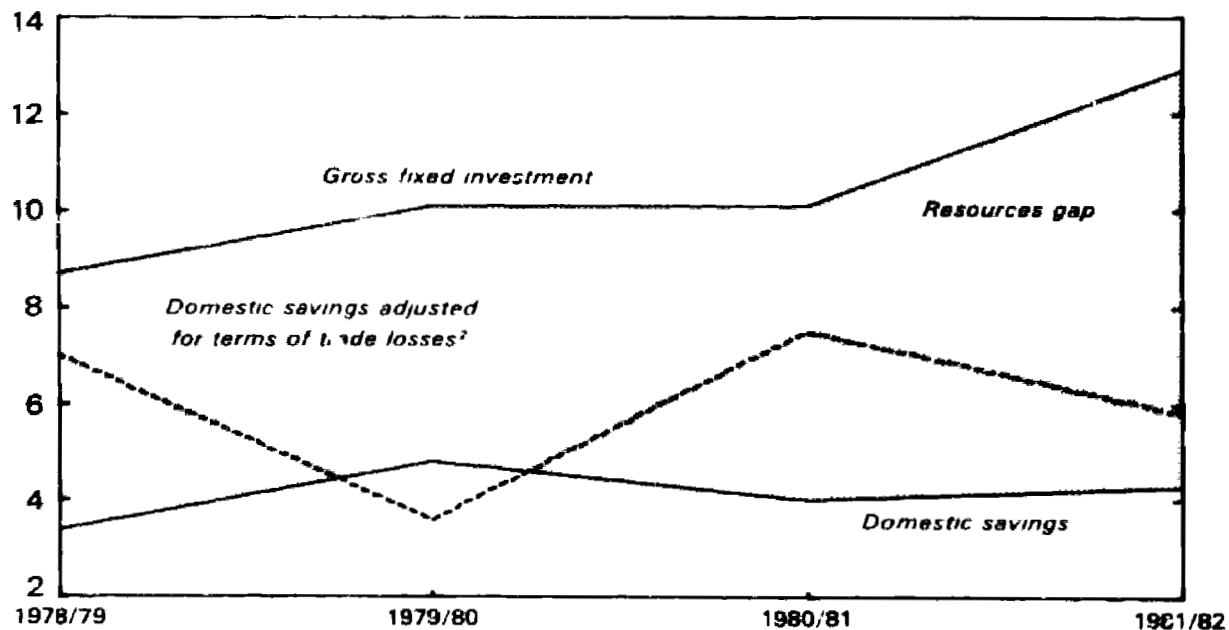
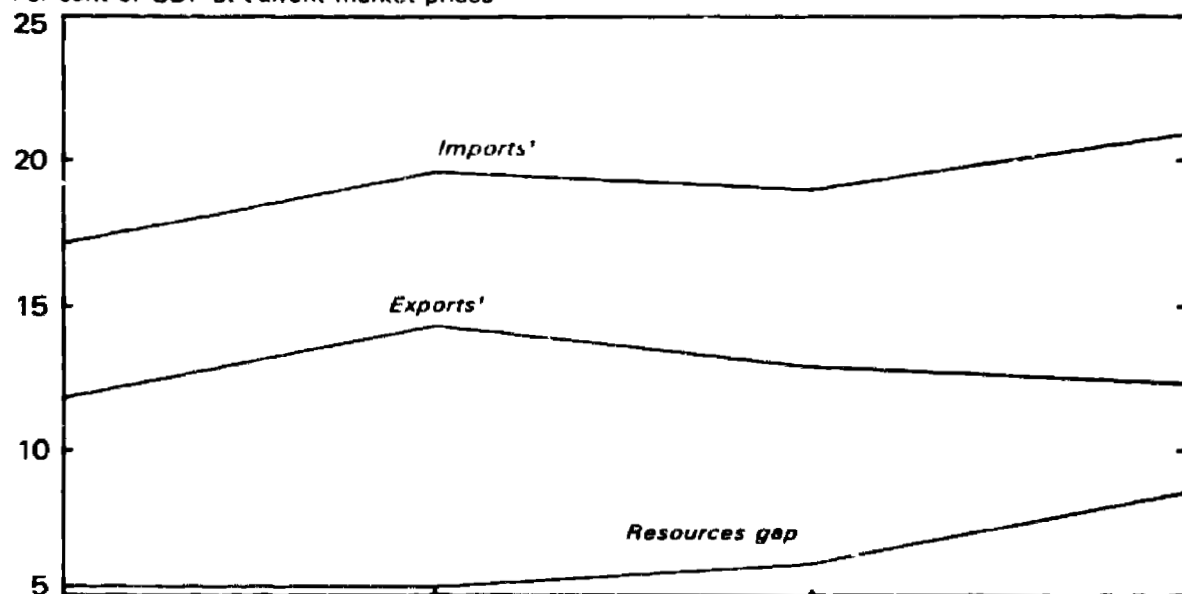


1980/81

CHART 2
ETHIOPIA

RESOURCE GAP, GROSS FIXED INVESTMENT, DOMESTIC SAVINGS,
AND TERMS OF TRADE LOSSES AS RATIOS TO NOMINAL GDP,
1978/79-1981/82

Per cent of GDP at current market prices



¹Exports and imports of goods and non factor services

²Terms of trade losses +

and the shortage of primary materials in others, limited the growth of output. Inadequate capacities, and sometimes shortage of cement, also limited the output of the building and construction sector, which caused delays in the completion of investment projects. Reflecting the slower growth in the sectors producing tradeable goods, the value added by the services sectors also increased at a slower rate.

Data on GDP by expenditure categories (Appendix Table IV) show a significant widening of the resource gap in 1980/81 and 1981/82. This deterioration was largely due to a decline in the external terms of trade in 1980/81, and in 1981/82 mainly reflected a relatively large increase in planned gross fixed investment (Table 2 and Chart 2). In 1980/81 the income loss due to the decline in the terms of trade was around 3.0-4.0 per cent of GDP, and the ratio of gross fixed investment to GDP rose by about 1 percentage point to 10.1 per cent. Consumption grew at a modest but slightly faster rate than GDP, and the domestic savings ratio went down from 4.8 to 4.0 per cent. In 1981/82 the resource gap is expected to widen by 46 per cent, mainly because gross fixed investment would be increasing by 32 per cent to reach an investment ratio of 12.9 per cent of GDP. Consumption is expected to grow at a rate slightly slower than GDP because of strict demand management policies.

3. Agricultural sector

a. Introduction

The agricultural sector is the principal branch of economic activity in Ethiopia, accounting for about half of GDP at factor cost and providing employment to about 90 per cent of the population. Besides supplying most domestic food requirements, agricultural output provides raw materials for production to other sectors of the economy and accounts for about 90 per cent of Ethiopia's exports. Of the country's total area of 120 million hectares, some 78 million hectares is agricultural, of which 65 million hectares is permanent pasture. Most of the cultivated land is in the high-land areas and is rain fed. The lowlands include the vast range land, where nomadic and seminomadic livestock grazing is the principal activity, and the Awash River basin, where irrigated agriculture is feasible and is being developed by the Awash Valley Authority (AVA). Accelerating the growth of agricultural production has been accorded a high priority by the Government in order to alleviate food shortages, particularly in the urban areas, and reduce dependence on grain imports. Coffee is the principal agricultural crop for export. The major food crops are maize, teff, sorghum, barley, and wheat, and the other cash crops include pulses, oilseeds, and long-staple cotton. Livestock raising is also an important activity, which supports the production of meat, hides and skins, and other leather goods.

Following the revolution, a land proclamation was issued in 1975, abolishing private ownership of rural land and eliminating all rental arrangements but establishing land use rights for individual farmers and for farmers' associations and cooperatives. Since then individual peasant and subsistence farming has remained predominant for all major crops. The

Table 2. Ethiopia: Composition and Growth of Expenditure on GDP at Market Prices, 1978/79-1981/82

(In per cent)

	1978/79				1979/80		1980/81 1/		1981/82 2/		Annual growth rate in constant prices			
	1971	1972	1973	1974	1971	1972	1973	1974	1971	1972	1973	1974	1974	
	Composition													
GDP at market prices	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	6.2	4.3	2.2	4.5		
Gross domestic expenditure	105.3	105.3	106.1	108.6	108.6	108.6	108.6	108.6	5.9	4.5	2.7	7.0		
Consumption	96.6	95.2	95.0	95.7	95.7	95.7	95.7	95.7	4.6	3.1	2.7	4.3		
Private 3/	(81.9)	(80.0)	(80.9)	(80.4)	(80.4)	(80.4)	(80.4)	(80.4)	(7.0)	(2.3)	(3.0)	(3.8)		
Public	(14.7)	(15.2)	(15.1)	(15.3)	(15.3)	(15.3)	(15.3)	(15.3)	(-7.1)	(7.8)	(1.4)	(6.6)		
Gross fixed investment	8.7	10.1	10.1	12.9	12.9	12.9	12.9	12.9	23.3	20.2	2.8	32.4		
Resource gap (-)	-5.3	-5.3	-6.1	-8.6	-8.6	-8.6	-8.6	-8.6	1.2	8.9	12.4	46.5		
Terms of trade effect	(-3.6)	(1.2)	(-3.5)	(-1.5)	(-1.5)	(-1.5)	(-1.5)	(-1.5)	--	--	--	--		
(loss -)	(-1.7)	(-6.5)	(-1.6)	(-7.1)	(-7.1)	(-7.1)	(-7.1)	(-7.1)	--	--	--	--		
Adjusted external gap	11.8	14.3	12.9	12.3	12.3	12.3	12.3	12.3	4.9	23.2	-5.5	-0.1		
Exports 4/	17.1	19.6	19.0	20.9	20.9	20.9	20.9	20.9	3.7	18.8	-0.4	14.8		
Imports 4/	3.4	4.8	4.0	4.3	4.3	4.3	4.3	4.3	87.3	37.7	-9.0	11.0		
Domestic savings														

Source: Appendix Table IV.

- 1/ Provisional.
2/ Projections.
3/ Includes changes in stocks.
4/ Goods and nonfactor services.

number of producers' cooperatives is small and growing slowly. During the period of land reform, state farms were established with an area totaling 67,300 hectares. Since 1979/80, and particularly during that year, the acreage under state farming was expanded in rain fed and previously uncultivated areas, with the objective of rapidly increasing the marketed quantities of food crops. In 1981/82 the acreage of state farms is 228,550 hectares, which represents less than 4 per cent of the total acreage under food crops. For the coming 2-3 years the expansion of state farm acreage will be limited. In the medium term, state farms are expected to be expanded into the Awash River basin, as irrigation schemes are being developed by the Awash Valley Authority. Marketing the output of state farms is handled by the Agricultural Marketing Corporation (AMC), which also purchases grain and pulses from the peasant sector.

b. Production and marketing

Revised official estimates for the recent crop years ^{1/} indicate that the production of cereal crops increased in 1978/79-1979/80 to catch up with levels that were attained in 1976/77 (Appendix Table V). This recovery occurred because of increases in cultivated acreages, and to a lesser extent due to some gains in crop yields (Appendix Table VI). In 1979/80 the cultivated acreages were 6 per cent higher than in 1976/77, with three quarters of the expansion occurring in the peasant sector. During the crop year 1980/81 the production of cereal crops increased significantly because of both a further expansion in cultivated acreages and an increase in average yields. During that year the total acreage expansion was 6 per cent, of which four fifths were in the peasant sector. The higher yields reflected better weather conditions and also the use of improved farming techniques. For maize, which is a major staple food item in large sections of the rural areas, production increased by 22.3 per cent, acreage by 12.2 per cent, and average yield by 9 per cent. For teff, the second major staple food, production and acreage continued to rise. The production of pulses, some of which are exported, generally decreased and in 1980/81 was about 82 per cent of the level of production in 1976/77. This was partly due to a reduction in cultivated acreages, and partly also to declining yields. Production of other crops, mainly oilseeds, showed little increase during recent years. Overall projections for the crop year 1981/82 are based mainly on prospects for higher yields.

In the peasant farming sector, where the average land plot and marketable surplus are small, over the last three years the Government has been concentrating its development effort on the improvement of productivity. Since 1979 an important vehicle of this development effort has been the Minimum Package Program (MPP), through which peasants have been provided with improved seeds, pesticides, fertilizers, and other inputs (including livestock feeds), along with extension services and credit facilities. Credit financing is extended by the Agricultural and Industrial Development

^{1/} The harvests of a given crop year (e.g., 1980/81) affect the GDP of the following fiscal year (1981/82).

Bank (AIDB) through the AMC, which is the official distribution and collection agent. In 1981 the productivity program was extended into a second two-year period, the MPP II, to end at the beginning of 1983. MPP II, whose total cost is Br 160 million (US\$77.2 million), is to be partly financed by foreign development institutions under World Bank leadership in the amount of Br 61.9 million (US\$29.9 million). However, progress in the peasant sector's productivity is slow because of the insufficient quantities of seeds and fertilizer (as they presently cover only about 6 per cent of total cultivated areas). In recent years fertilizers have been sold to the peasants at increasingly higher prices, which rose from Br 65 per quintal in 1979/80 to Br 85 per quintal in 1980/81 and Br 116 per quintal in 1981/82, when the government fertilizer subsidy was completely phased out. Simultaneously, fertilizer consumption has decreased from 39.1 thousand tons in 1979/80 to 25.7 thousand tons in 1981/82. Other aspects of the Government's agricultural development program include the livestock projects on the range lands, which provide cattle feeds, veterinarian services, and new infrastructure for the nomadic livestock sector. In the livestock sector the major objectives are to achieve improvements in breeding, and to increase the quantity and quality of meat production for the domestic and export markets. The Government has also pursued programs for the resettlement of inhabitants of drought-stricken areas to less populous and more fertile regions, for soil and water conservation, and for reforestation.

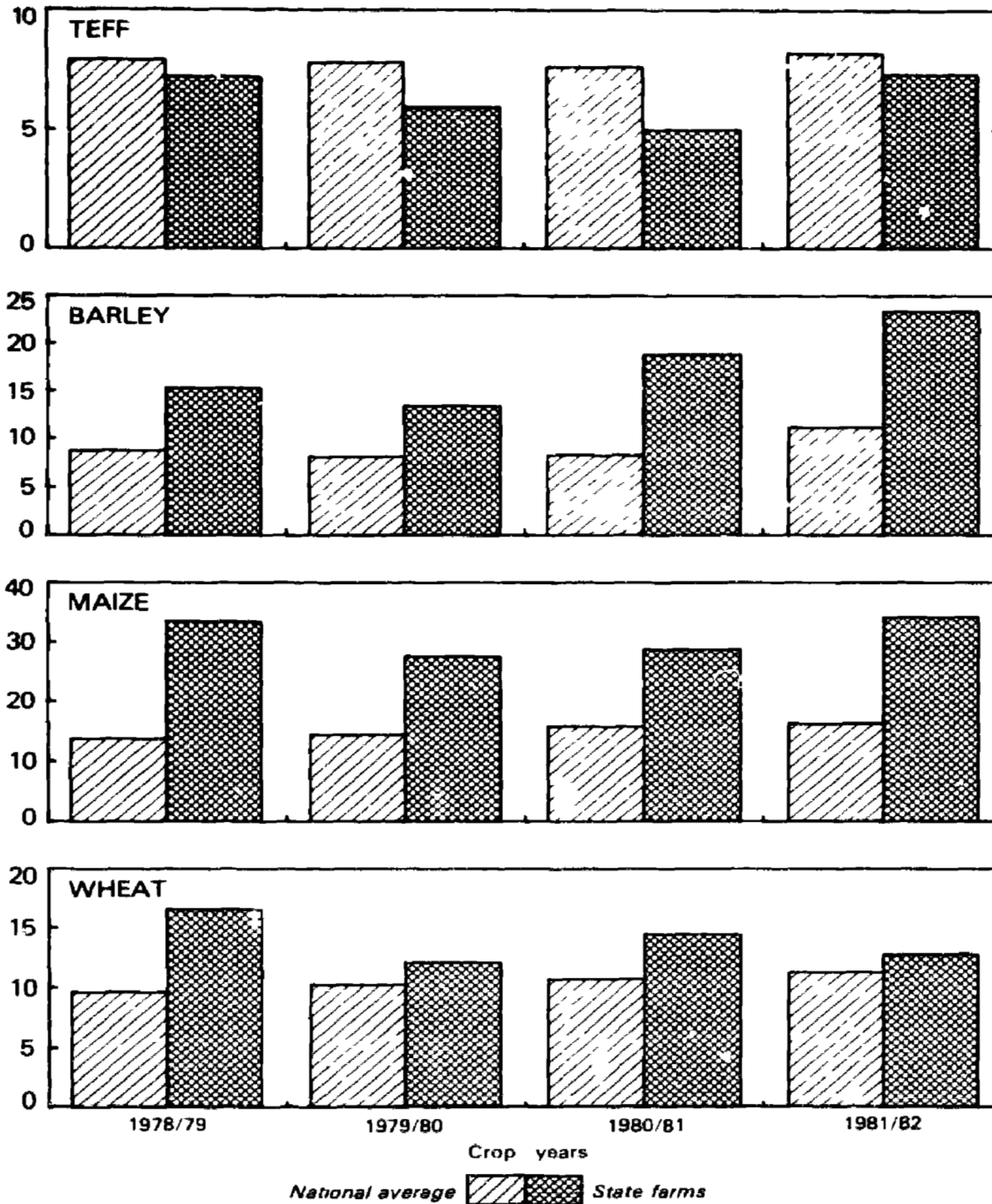
State farm acreages expanded substantially in 1979/80 and 1980/81, but output rose by considerably less as the economies of scale did not materialize concurrently (Appendix Tables VII and VIII). The largest acreage expansion was for wheat, mainly to meet urban consumption requirements rapidly. For teff and barley, which are consumed mainly in the rural areas, state farm acreages remained small. The major state farm grain crops rely on mechanized production methods due to the large-scale nature of their operations; however, the lack of experience, equipment breakdowns, and the rapidity of the acreage expansion have created technical and management problems which have held down yields. Although for most crops the yields are higher than the national average, they are not high enough to make state farms' operations profitable (Chart 3). Besides cereals, the state farms also increased acreages planted with pulses, while acreage under other crops, including the industrial and export crops, showed no significant increase. For 1981/82, except for wheat crops, no further sizable increases in state farm acreages are expected. However, there are good prospects for improving crop yields and the financial performance of the state farms. In support of the latter, in 1981/82, the Government rescheduled the state farm sector's medium- and long-term debts vis-a-vis the AIDB. For the next two to three years, when the AVA's irrigation schemes are to be developed, no significant growth of state farm acreage has been planned.

Marketing the output of the food crops is done largely by private traders and to a lesser but growing extent by the AMC. Grain purchases by the AMC are made from peasants' associations, each of which is required to sell at least 150 quintals, and from private wholesalers, who in principle

CHART 3
ETHIOPIA

**YIELDS OF MAJOR CEREAL CROPS: NATIONAL
AVERAGE AND STATE FARMS, 1978/79-1981/82**

Quintals per hectare



must sell 50 per cent of their purchases to the AMC. Peasants' associations which increase their deliveries to the AMC receive prizes (such as quantities of free fertilizers). The prices paid by the AMC are set by the CPSC and are generally below free market prices. The official prices have remained basically unchanged since last year (Appendix Table IX). Grain quantities purchased by the AMC from peasants and traders increased by 8 per cent in 1980/81 and by about 20 per cent in 1981/82. However, the AMC has increasingly relied on grain supplied by the state farms. In 1979/80 the state farms supplied about one third of the AMC's total domestic grain purchases, whereas in 1981/82 they supplied almost two thirds. The AMC's total grain purchases rose from 2.4 million quintals in 1979/80 to 5.0 million quintals in 1981/82 (about 9 per cent of total grain output). Concurrently, the AMC reduced its grain imports from 1.4 million quintals in 1979/80 to 0.4 million quintals in 1981/82. Its grain sales are made at the fixed price of Br 34.2 per quintal to the flour mills and are subsidized by the Central Government for social reasons. In 1980/81 the subsidies were equivalent to 36 per cent of the cost price of the local wheat and 50 per cent of the cost price of imported wheat. Total grain subsidies amounted to Br 45-50 million in 1980/81 and Br 24 million in 1981/82.

c. Coffee

Coffee, a traditional crop in Ethiopia, is grown mainly on small private farms in rain-fed areas, on an estimated 400,000-450,000 hectares in the highlands in the southwestern and southern regions of the country. In these traditional coffee-growing regions a large proportion of the coffee trees are old, and 20 per cent of them are affected by the coffee berry disease (CBD). As a result, yields are low, averaging 400 kg per hectare, whereas potential yields could be higher than 800 kg per hectare. Outside the traditional regions some special coffee varieties are cultivated on private irrigated farms near the city of Harar and on seven state farms totaling 7,200 hectares. The coffee crop is processed by means of sun drying, but a small proportion is wet-processed ("washed") and is, therefore, of a high quality. Coffee marketing is operated by private and official traders, who are required to sell all coffee quantities to authorized wholesalers at official public auctions in Addis Ababa. Since 1980 the Government has had the monopoly of the washed coffee trading. At the auction the selection of quantities destined for the domestic or the export markets is made under the control of the Ministry of Coffee and Tea Development. In practice, a large proportion of the production remains out of the official channels and is either domestically consumed or smuggled out to neighboring countries.

Total production is estimated at about 180,000-200,000 tons annually, of which less than half is exported. Between 1977/78 and 1980/81 the volume of exports grew at an average annual rate of 6 per cent to 88,400 tons (Chart 4 and Appendix Table X). Although washed coffee exports fetch a premium price in the world market, and the Government expanded washing facilities during the period, production and export of washed coffee accounted for only 9 per cent of total coffee exports in 1980/81, when the production was equivalent to about half the existing level of washing capacity.

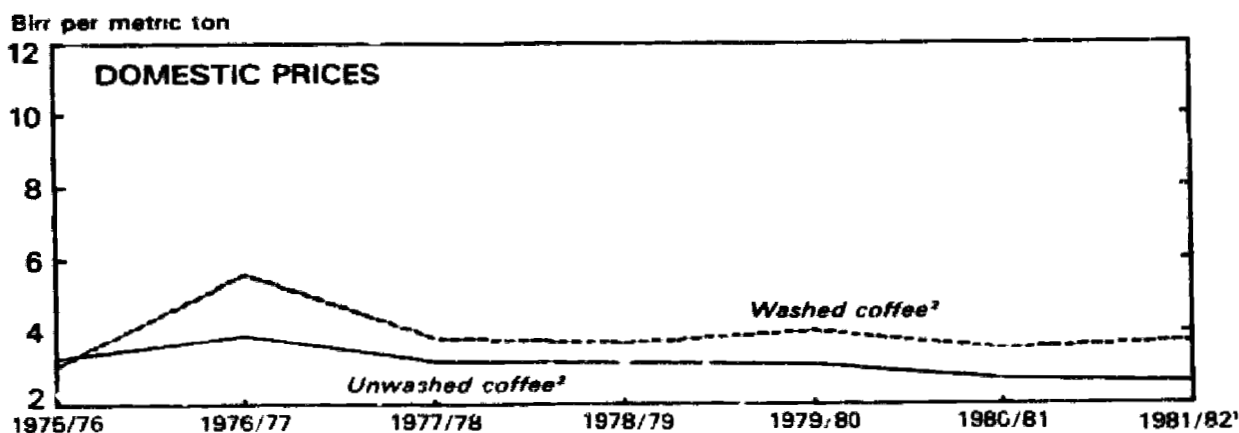
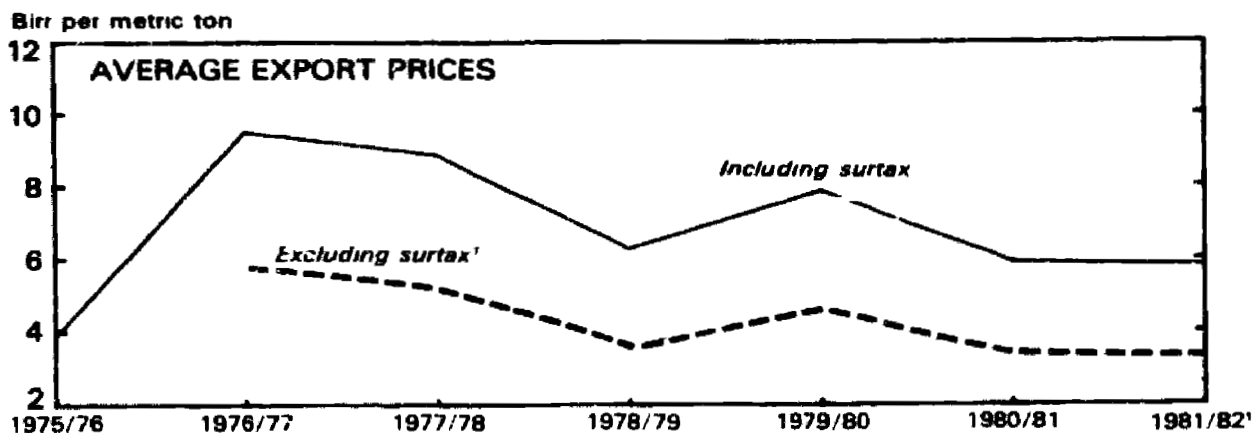
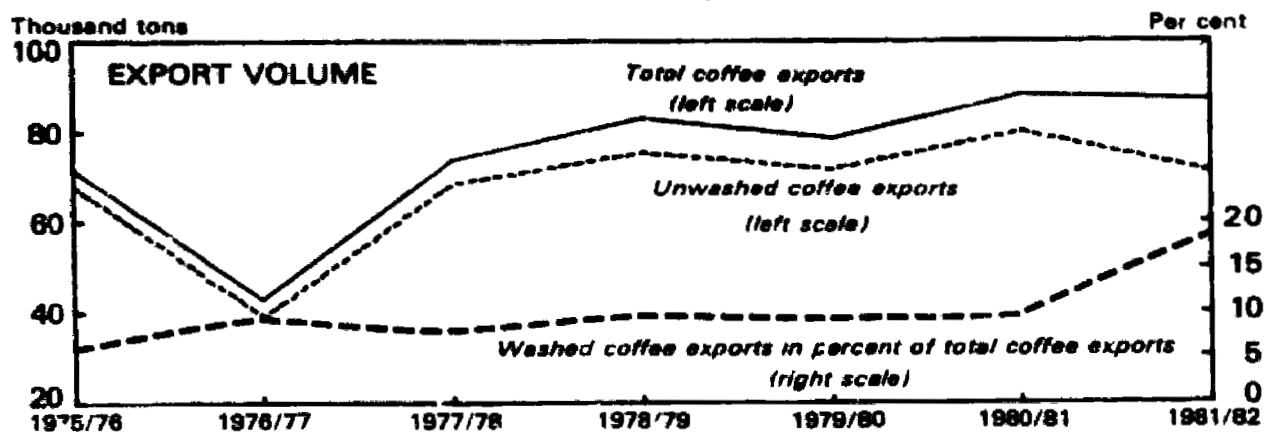
Official farm-gate prices have declined substantially since 1977/78 because of a decline in export prices, despite downward adjustments in the coffee export surtax (Chart 4 and Appendix Table XI). As a result, at official prices the earnings of the coffee farmers have tended to fall relative to those of food crop farmers. However, coffee prices in the unofficial domestic market are reported to be considerably higher than the official producer price, which makes it difficult to raise the volume of coffee marketed through official channels. In 1981/82 the farm-gate price for unwashed coffee decreased by 4 per cent, but the Government slightly raised (by about 2 per cent) the farm-gate price for the washed coffee. Nevertheless, a decline of 1 per cent in the total marketed quantities for export is estimated, since a reduction in deliveries of unwashed coffee is expected to be barely offset by an anticipated doubling of deliveries of washed coffee (to 16,000 tons or the equivalent to 18.4 per cent of total coffee exports). Ethiopia, as a member of the International Coffee Organization (ICO), is subject to a quota for coffee exports to the organization's member countries, but may export freely to nonmember countries. The latter accounted for 18 per cent of total coffee exports in 1980/81.

The Government has undertaken programs to develop coffee production through improvement in productivity and increase in acreages. In order to eradicate coffee berry disease, in 1975/76 the Government started the first phase of a Coffee Improvement Project (CIP I) with the assistance of the European Communities (EC). During the four years of the project, which covered 5,000 hectares, programs of spraying, of promoting the use of fertilizers, and of rejuvenation of old plantations were implemented. The project also included a research component for CBD resistant varieties of trees. The second phase of the project (CIP II), which includes re-planting, is now being negotiated with foreign donors for a total cost of Br 60 million over four years. This project is expected to contribute to increasing coffee production by 10,000 tons. To enhance the value of the coffee crop, the Government has also prepared a second Coffee Processing Project in order to add 60 new washing stations to the existing 140 stations. Thus, washing capacities will increase from 16,000 tons to 30,000 tons in four years. This project, the first phase of which was financed by IDA, will cost about Br 100 million, of which Br 25 million represents the foreign exchange component. The Government is also considering additional state farm projects, with a view to increasing the coffee acreage by 13,500 hectares and the annual production of washed coffee by some 11,000 tons within the next ten years.

4. Manufacturing

Manufacturing accounted for about 7 per cent of GDP in 1981/82 (see Table 1). Most of the manufacturing establishments are concentrated around the two principal cities, Addis Ababa and Asmara, and are engaged in the processing of local raw materials to produce such items as textiles, shoes and leather goods, and foodstuffs; a number of other manufacturing units process imported raw materials for the production of import substitutes, such as metal works, cement, and chemicals (Appendix Tables XII-XVI).

CHART 4
ETHIOPIA
EXPORT VOLUME AND PRICES OF UNWASHED
AND WASHED COFFEE, 1975/76-1981/82



¹Estimates.

²Addis Ababa post auction prices

About 95 per cent of the value added by the manufacturing enterprises is accounted for by publicly owned establishments, including a limited number of corporations in which the Government is the major shareholder. The financial operations of the public enterprises are regulated by the Public Enterprise Proclamation of June 30, 1979. 1/ This proclamation has four major aspects. First, the work program and budget of each enterprise must be submitted to the Ministry of Finance for examination prior to the start of the fiscal year, to ensure that these are consistent with approved development plans and the need to generate adequate internal savings. Second, the budget for each enterprise is to be drawn up in such a way that its income is sufficient to cover all current expenses and payments due to the Government, including a capital charge and a specified appropriation to a general reserve fund. 2/ The general reserve fund is to be used for increasing working capital, amortizing debt, and covering losses. Third, the savings of public enterprises in the form of residual surpluses (operating surplus minus contributions to the general reserve fund) must be paid to the Government. Fourth, if an enterprise incurs losses for three consecutive years, or if the loss in any one year reaches an unsupportable level, the long-term viability of the enterprise is to be investigated, and, if circumstances warrant it, a recommendation for dissolution is to be made to the Council of Ministers.

Pricing policy for public enterprises is flexible in principle. A new division of the Central Planning Supreme Council (CSPC) was established in 1980/81 to deal with enterprises' requests for price increases to cover rising costs. While enterprises are generally encouraged to improve productivity and efficiency to offset higher material costs as far as possible, the new division grants price increases whenever it is necessary to cover unavoidable cost increases. To limit cost pressures arising from wage increases, the official guidelines require such increases to be limited to 7 per cent per annum for workers earning less than Br 650 per month (Br 600 per month in the government services). In principle, this maximum increase comprises a reward of 5 per cent for increasing production and of 1 per cent each for improvements in productivity and profitability, but its apportionment among wage earners is subject to labor-management negotiation at the level of each enterprise. In the case of some public enterprises, in addition to rising prices of imported raw materials and capital goods, domestic borrowing costs have contributed importantly to increases in

1/ The proclamation applies to all public enterprises, which include all commercial, industrial, agricultural, and service-rendering enterprises that are designated as such by the Minister of Finance.

2/ A public enterprise or financial agency is required to pay to the Government annually, within seven months following the end of its fiscal year, a capital charge that is equal to 5 per cent of the total of its state capital and general reserve fund as shown in the balance sheet at the end of the previous fiscal year. Public enterprises are required to put 10 per cent of their surplus into the general reserve fund annually until such reserve funds equal 30 per cent of the state capital. The corresponding ratios for each state-owned financial agency are 30 per cent and 60 per cent, respectively.

overall costs of production. This problem has arisen mainly because these enterprises have inadequate capital funds and unduly high debt/equity ratios. The authorities are presently considering various proposals to alleviate this problem.

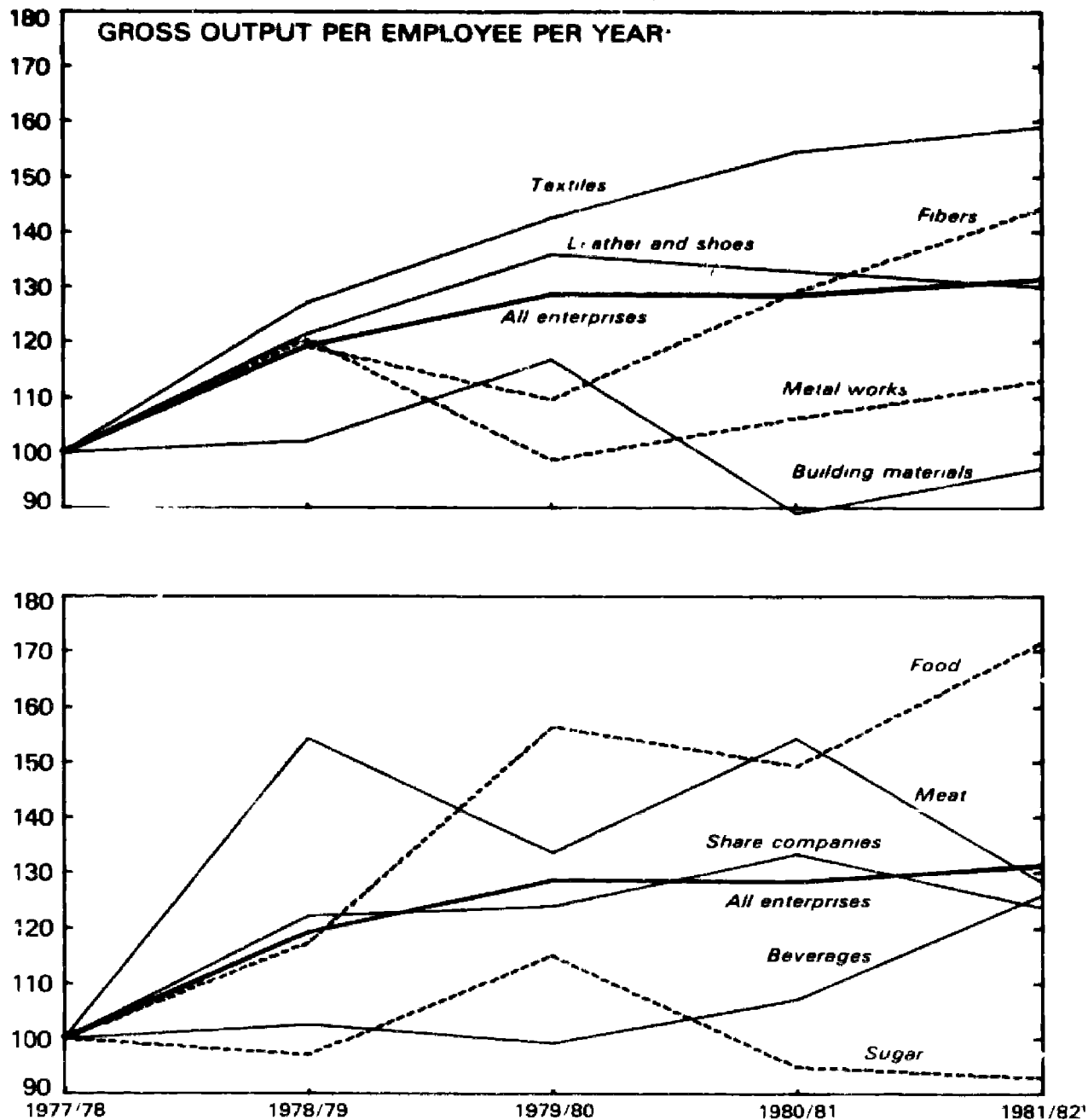
During the period 1979/80-1981/82 there has been only a slight increase in the manufacturing sector's contribution to GDP, from 6.3 per cent to 6.6 per cent. This was the result of a slowdown in the real growth of the value added by the manufacturing enterprises, as well as in their gross output (see Table 2 and Appendix Table XII). In some sectors, such as those producing foodstuffs and textiles, real growth slowed because the production of most enterprises had reached full utilization of capacity. In other sectors, such as those producing edible oils and wood products, growth was limited by shortages of raw materials although there was a substantial excess capacity. In the leather and shoes sector, which produces semifinished leather goods for export, output growth was constrained by a weakening of demand conditions in export markets. For the manufacturing sector as a whole, the growth in real value added (7.5 per cent per annum) and in gross output (8.9 per cent per annum) was more rapid than the growth in employment (5.4 per cent per annum), (Appendix Tables XIII and XV). These developments explain the rise in productivity per employee per year in recent years (Chart 5). Available data for the period 1977/78-1979/80 show that public enterprises as a whole have remained profitable with a rising trend in the ratio of profits to total sales (Appendix Table XVI).

The major new industrial projects under way in Ethiopia include a textile mill, due to be completed by 1985, with a capacity of 20 million square meters of cloth, or 24 per cent of the existing textile producing capacity, and a cement plant, to be completed by 1986 with a capacity of 300,000 tons per year. Both of these projects are intended for meeting domestic requirements. In the planning stage are another textile mill and a 600,000-ton per year sugar refinery (which would double existing refining capacity) to meet domestic requirements. Smaller projects include a brewery now under construction and two oilseed factories in the study stage.

5. Energy and mining

Wood, charcoal, agricultural waste, and animal manure account for 96 per cent of the total energy consumption in Ethiopia; the remainder is covered by power based on hydroelectricity and imported fuel. Considerable potential exists for utilizing hydroelectric and geothermal sources of power. It is estimated that only 2 per cent of the potential hydroelectric power capacity has been tapped. At present, electric power is supplied through an interconnected grid system and is generated by four hydroelectric stations and by self-contained diesel fuel powered generating stations. To reduce Ethiopia's dependence on imported petroleum, the grid is being extended, along with steps to replace diesel generators gradually by hydroelectric power and to convert petroleum-fueled boilers to electricity in the nation's factories. The Government has also decided to proceed with the construction of a 152-megawatt hydroelectric power plant, to be completed by 1986. While geothermal power sources have not yet been tapped, test drilling for this purpose is currently being made.

CHART 5
ETHIOPIA
LABOR PRODUCTIVITY IN THE MAJOR
INDUSTRIAL ENTERPRISES, 1977/78-1981/82
(Indices 1977/78 = 100)



*Planned

The Government's pricing policy with regard to petroleum products has aimed at setting retail prices at levels that cover production and distribution costs. Thus, retail prices were raised substantially (Appendix Table XVIII) on March 27, 1981, and petroleum subsidies were completely phased out. Electricity tariffs do not require the payment of government subsidies, but different tariffs are applied to different users or regions and do entail cross-subsidies among the various users of the interconnected grid.

Ethiopia's energy imports consist of crude oil, which is refined at the Assab refinery for sales in the domestic market and for export. Net imports of petroleum products are equivalent to 4 per cent of GDP. As a result of energy saving policies, the growth of domestic consumption went down from 10.8 per cent in 1977 to 6.6 per cent in 1980, and stagnated in 1981 (Appendix Table XVII).

Ethiopia's mining output is relatively insignificant, consisting mainly of gold, of which about 400 kilograms per year is mined. A project for opening a new gold mine is under preparation. Other mining projects presently under preparation or in an early stage of implementation include the mining of copper and potash, and oil exploration in the Ogaden region.

6. Housing and construction

Since the nationalization of all urban land and all but owner-occupied buildings in August 1975, private land ownership has been replaced by user rights on holdings limited to 500 square meters (about one eighth acre), and private ownership is permitted for only a single dwelling. The Ministry of Urban Development and Housing supervises municipal affairs, and the Rental Housing Administration under it manages high-rental buildings. Neighborhood associations of urban dwellers ("kebeles") are responsible for the administration of low-rental nationalized housing as well as for other neighborhood activities. The Ethiopian Building Construction Authority is charged with alleviating the long-standing housing shortage through low-cost building programs. In recent years there has been a strong movement in urban areas toward formation of housing cooperatives, which realize economies of scale for their members in home construction through bulk purchases of materials, development of common facilities, and easier access to credit.

The Ministry provides assistance for five types of housing programs: an aid and self-help scheme for low-income earners whereby construction is carried out by the individual concerned with a Br 2,500 loan for 15 years at an interest rate of 6 per cent, a conventional housing program in which free house plans are provided, an apartment building program in Addis Ababa; an apartment building program in 16 other urban areas; and a special guest house construction project.

The contribution of construction activity to GDP in 1981/82 is estimated at about 4 per cent. Construction activity in recent years has been hampered by shortages of building materials and skilled workers, and the problem is expected to persist over the immediate future. The shortages

have been acute in the case of cement, reflecting the old age of the existing cement plants and equipment breakdowns. To combat the problem the Ministry of Urban Development and Housing has established priorities for the allocation of building materials, with top priority given to development projects followed by cooperative and private housing. The Ministry has also been seeking to cut down on the consumption of cement through standardization and by denying permits for luxury construction. In addition, pending construction of a new plant, cement is being imported to help alleviate the shortage.

7. Transportation

Road transport is the dominant mode of transportation, accounting for about 90 per cent of the movements of people and freight. Complementing the road network are three harbors--Assab, Massawa, and Djibouti (in the Republic of Djibouti)--the Addis Ababa-Djibouti railway, and more than 40 domestic airports, although many of these are open only during the dry season. Transportation has been severely hindered in the past, particularly between 1975 and 1978 due to the worsening security conditions. The civil disturbances limited the use of the Massawa port, while at the end of May 1977 the railway was put out of operation and the ensuing diversion of all export and import flows to the port of Assab created serious congestion there.

To deal with the problem of transportation, a National Road Transport Corporation (NRTC) was formed to regulate all commercial vehicle use. Private commercial vehicle owners, whose vehicles comprise about 75 per cent of the commercial fleet, must operate as associates of NRTC, charging fixed tariffs and operating on routes and schedules as determined by NRTC. The central coordination of freight movements has reduced transport bottlenecks, as have recent additions to the trucking and busing fleet. The all-weather road network has also been upgraded in recent years. While there is at present no congestion at the port of Assab, a program of modernizing loading and unloading equipment is under way as part of the 1981/82 investment plan. The railway link to Djibouti was restored in mid-1978, but the line operates only during daylight hours in the vulnerable area between Dire Dawa and Djibouti.

8. Prices, wages, and employment

The available retail and wholesale price indices can serve only as rough indicators of price movements in Ethiopia (Appendix Tables XIX-XXI). The three indices that are compiled cover only Addis Ababa, and the index with the broadest coverage, the retail price index, utilizes weights derived from a 1963 consumption survey. In addition, as some officially controlled prices are included in the index, the rate of inflation is probably somewhat understated.

The rate of increase in the retail price index declined from 18.6 per cent in 1977/78 to 12.5 per cent in 1979/80, and then dropped to 1.9 per cent in 1980/81. This pattern paralleled that of movements in the food

component of the index, which accounts for 57 per cent of the weight of the index. The growth in crop production and marketing, the increasing scale of AMC's operations, and the reduction in the transportation bottlenecks (including the elimination of port congestion) are the major causes explaining the lower rate of inflation. In 1980/81 food prices increased by only 2.0 per cent, and cereal prices declined by 2.8 per cent, reflecting the impact of the good 1979/80 harvest on supply conditions in 1980/81. On the demand side, the reduction in the rate of monetary expansion in 1977/78-1980/81 (especially in 1980/81) contributed to the lower rate of inflation. For 1981/82 the increase in the general index is estimated at about 6-9 per cent, primarily because of a deterioration in crop harvests.

Comprehensive and reliable data on employment and unemployment in Ethiopia are not available. Unemployment exists among the unskilled workers, but the data are not adequate to give good estimates. For most skilled workers and college graduates, job assignments are made by an agency of the central planning office. A notable increase has taken place in the labor force in recent years as more women have been seeking employment.

To formulate a consistent overall wage policy, a Wage Board was established in 1979/80 to conduct a study and make recommendations; the study, however, is not expected to be finished before 1982/83. At present a national minimum wage of Br 50 per month prevails in practice, although this minimum is not a legal requirement. Annual increases of 7 per cent may be granted for monthly salaries of up to Br 600 in the government sector and Br 650 elsewhere. Workers in the civil service may receive pay raises (usually once every two years) up to a maximum of Br 285 per month, while the comparable figure for public enterprises is Br 450 per month. Within these limits salaries may increase through promotions. In the private sector there are no wage limitations, but wage increases are permitted subject to approval by the Ministry of Labor. Wage differentials exist for different skills as well as for the same skill, and salary differentials are used as a means of recruiting new employees.

9. Development planning

Following the subsiding of hostilities in the country's Fritrea and Ogaden regions in mid-1978, the Ethiopian authorities began the implementation of annual development campaigns to promote the process of economic recovery and raise the domestic investment effort. The first two development campaigns covered the years 1978/79-1979/80. Subsequently, work was begun on the formulation of a Ten-Year Development Plan for the period 1980/81-1989/90, which provides a framework for the annual investment programs of the 1980s.

a. Macroeconomic objectives, 1980/81-1989/90

The ten-year plan envisages an acceleration in the growth rate of real GDP, from about 5-6 per cent during 1978/79-1979/80 to 7.5 per cent in the current decade. The rates of expansion for industry (15.4 per cent) and

services (9.5 per cent) are projected to be more rapid than that of agriculture (4.5 per cent). Hence, the plan foresees a considerable structural transformation of the economy. The share of agriculture in GDP would decline from about one half to around 35 per cent, while that of industry would rise from 16 per cent to 29 per cent and that of services would increase only slightly.

To achieve the plan's objectives for overall growth and sectoral transformation, the total investment requirements are estimated at Br 27.6 billion. The largest sectoral investment allocations are for economic infrastructure, mainly transport and communications (26 per cent), and agriculture (20 per cent). The other important investment allocations are for mining, energy, water supplies, and construction (18 per cent), for manufacturing (15 per cent), and for education, health, and housing (15 per cent). The planned investments are to be implemented in a phased manner, about one tenth of the total during 1980/81-1981/82, roughly 40 per cent during the next three years, and the remainder during the final five years of the plan. This rate of implementation entails a marked increase in the investment/GDP ratio during the first five years, from 10 per cent in 1979/80 to 24 per cent by 1984/85; subsequently, this ratio is expected to decline to 21 per cent by 1989/90. By far the major share of planned investments (about 85 per cent) is expected to be undertaken in the public sector, and the remainder in the private sector.

b. Financing of Investments

The actual phasing of the planned investments noted above is based on forecasts of the time profile of foreign aid disbursements and domestic resource mobilization, and hence is predicated upon the availability of adequate domestic and external financial resources. The plan's high priority projects, that is, those with starting dates during 1980/81-1981/82 and/or in a relatively advanced stage of preparation, are estimated to cost about Br 13.3 billion (48 per cent of total investment), of which the foreign exchange component amounts to about 62.5 per cent. The projects of the next highest (or medium) priority entail a total cost of Br 10.7 billion (39 per cent of total investment), and roughly three quarters of this amount represents the foreign exchange component. Projects for the remainder of the plan's investments (Br 3.6 billion) are expected to be prepared and launched during the second half of the plan period. The planned large increase in the investment/GDP ratio, and its substantial foreign exchange component, is predicated upon a doubling of the ratios of both foreign savings to GDP (to about 13 per cent) and domestic savings to GDP (to about 11 per cent) by 1984/85. Thereafter, in the years leading up to 1989/90, the domestic savings ratio is targeted to continue to rise rapidly to a level that is nearly equivalent to the investment/GDP ratio (20-21 per cent in 1989/90).

c. Major projects

A major project in the agricultural sector is the World Bank-supported Minimum Package Programme, the main objective of which is to increase production by peasant farmers through the provision of farm inputs, credit

facilities, and extension services. Its main benefit would be greater self-sufficiency in food through increases in cereal output. In the coffee sector the main projects aim at expansion and rejuvenation of plantations, about 10,000 hectares under the Bebekka Project and 45,000 hectares under the second phase of the Coffee Improvement Project. In addition, there will be a chemical spraying project covering 45,000 hectares and a program for establishing new washing stations under the second phase of the Coffee Processing Project. Important programs of investment are expected to be undertaken to expand exports of fruits, vegetables, and livestock products and to cultivate high-value cash crops with the help of irrigation schemes near the country's lakes and river valleys.

The plan envisages a sizable expansion of industry to increase domestic supplies of basic consumer goods, intermediate inputs, and certain capital goods (mainly agricultural machinery and inputs). It would also allow for diversifying exports beyond agricultural produce. In addition to the manufacturing sector, due emphasis will also be given to developing small-scale industries and handicrafts. Some of the important projects in the manufacturing sector include two flour mills, one edible oil factory, a plant for solvent extraction from oilcake, a maize processing plant, a number of textile plants, a sugar refinery, two cement factories, a fertilizer plant, two factories for producing shoes and leather goods, and plants for producing soda ash and caustic soda.

Investments in the mining sector will aim at the exploitation of the country's mineral resources, especially copper, potash, and platinum. Exploration for petroleum and natural gas is also expected to be undertaken. In the energy sector, projects are also to be launched for exploiting the country's significant geothermal resources and for expanding hydroelectricity power generation.

In the transportation sector planned investments involve the rehabilitation and construction of 24,990 kilometers of roads; the development and expansion of the two ports of Massawa and Assab; the rehabilitation of the Addis Ababa-Djibouti railway and the construction of the Assab-Awash rail link, the consolidation and expansion of the liner and coastal services of the Ethiopian Shipping Corporation, and the improvement of airports and of the Ethiopian Airlines' fleet of aircraft.

II. Public Finance

1. Introduction

Since 1977/78 central government operations have grown relative to GDP, as budgetary expenditures have been equivalent to almost 24 per cent of GDP in 1980/81, as compared to an average of just over 21 per cent of GDP for the period 1977/78-1978/79. According to the most recent estimates, this figure will rise to over 24 per cent in 1981/82. This increase represents a significant enlargement in the activity of the Government and reflects mainly increases in government employment and the wage bill. All but a

small portion of general government activities, relating chiefly to external grant aid received in kind and municipal functions, are reflected in the budgetary accounts presented below. All municipal budgets together, however, were equivalent to only about 5 per cent of central government expenditures in the latest year for which data are available. The "kebeles" receipts from and outlays for low-rental housing and related activities are not reflected in the central government accounts, but their net income is believed to be negligible. As a result of the Public Enterprise Proclamation of June 30, 1979 (Section I, subsection 4), the public enterprises have lost a large measure of their previous financial autonomy and are now required to transfer a large part of their financial surpluses to the Government. The last new tax measures to have been undertaken were the reform of the direct tax system in 1978/79; although a reform of the indirect tax system is currently being considered, it has not yet been implemented. A summary of the current tax system is given in Appendix Table XXIX.

2. Overall budgetary developments

The overall fiscal deficit, which had increased sharply in 1979/80 to equal 4.5 per cent of GDP, declined in 1980/81 to 4.0 per cent of GDP. Accordingly, the Government reduced its recourse to domestic bank financing and to foreign borrowing (Table 3). These nonetheless remained the main instruments for financing the deficit. The relative share of foreign borrowing in financing the aggregate government deficit declined slightly in 1980/81, while net domestic financing remained practically constant. The Government reduced its reliance on financing from the banking system, while borrowing from the pension commission and other nonbank sources more than doubled, a positive development that tends to reduce the inflationary pressure that might be caused by deficit financing.

The ratio of revenues to GDP rose in 1980/81 for the third year in a row, going from 16.4 per cent in 1977/78 to 19.8 per cent in 1980/81 (Chart 6). In this last year, despite a slow down in the rate of growth of nominal GDP, there was a considerable growth in noncoffee revenues as tax collection efforts were strengthened and public enterprises' contributions to the budget increased significantly. There was a slowdown in the growth of revenue in 1980/81, which was compensated for by a somewhat more rapid deceleration in the rate of growth of total expenditure. Because of restraints imposed on current expenditure, in particular by a wage freeze imposed in the public sector, the current surplus improved markedly, while capital expenditure grew by only 12.6 per cent in 1980/81 (excluding external grants), as compared with 16.9 per cent in 1979/80.

For 1981/82 the overall fiscal situation for the first half of the year was somewhat less expansionary than that targeted for the fiscal year as a whole. The current budget recorded a larger (Br 48 million) surplus than that estimated to result for the entire year (Br 6 million). The amount of capital expenditures implemented in the first six months was much less than half the total amount estimated to be implemented for the whole year, while the magnitude of the central government deficit, which was only Br 194 million in the first half of the year, is estimated to grow by almost Br 300

CHART 6
ETHIOPIA
SUMMARY OF CENTRAL GOVERNMENT FINANCES,
1977/78-1981/82

(In per cent)

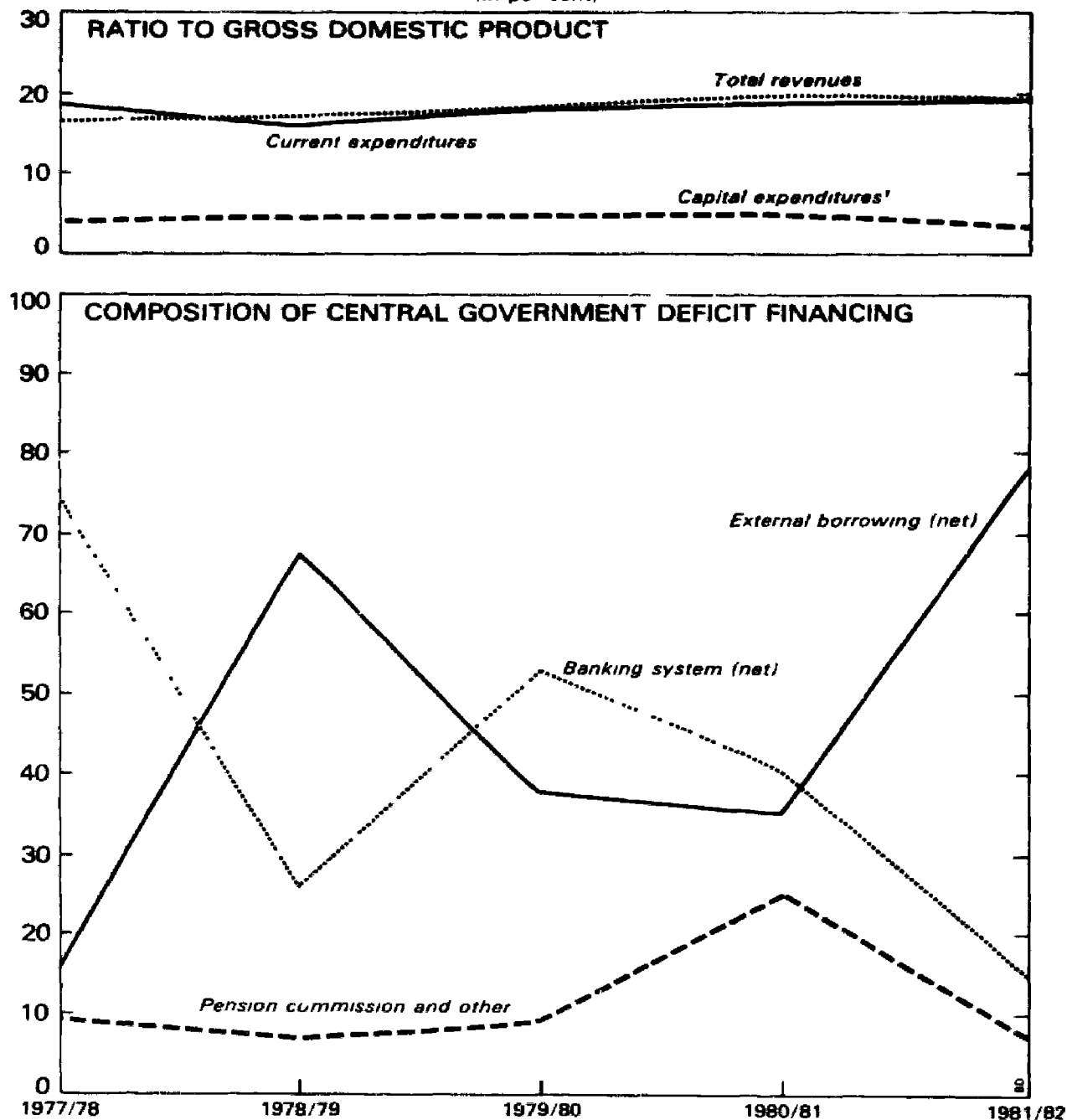
¹Excludes capital external grants in kind

Table 3. Ethiopia: Summary of Central Government Finances, 1977/78-1981/82 ^{1/}

Fiscal Year Ended July 7 Ethiopian Fiscal Year	Actual				Projections
	1977/78 1970	1978/79 1971	1979/80 1972	1980/81 1973	1981/82 1974
(In millions of birr)					
Revenue	1,187.1	1,375.2	1,559.9	1,743.3	1,769.0
Of which: coffee surtax	(254.7)	(203.4)	(275.9)	(147.6)	(149.4)
Current expenditure	-1,346.5	-1,281.9	-1,548.0	-1,658.7	1,763.0
Current surplus or deficit (-)	-159.4	93.3	11.9	84.6	6.0
Capital expenditure ^{2/}	-273.5	-332.9	-389.3	-438.2	-498.8
Overall deficit (-)	-432.9	-239.6	-377.4	-353.6	-492.8
External borrowing (net)	71.6	161.0	142.5	124.1	384.3
Loans and credits	(87.5)	(179.4)	(158.3)	(141.2)	(405.3)
Repayments	(-15.9)	(-18.4)	(-15.8)	(-17.1)	(-21.0)
Domestic financing (net)	361.3	78.5	234.9	229.5	108.5
Banking system (net)	(321.4)	(62.4)	(199.3)	(142.0)	(73.5)
Pension Commission and other	(39.9)	(16.1)	(35.6)	(87.5)	(35.0)
(In per cent)					
Changes over the previous year					
Revenue	13.8	15.8	13.4	11.8	1.5
Current expenditure	37.4	-4.8	20.8	7.2	6.3
Capital expenditure	-7.6	21.7	16.9	12.6	13.8
Ratio of current surplus or deficit (-) to revenue	-13.4	6.8	0.8	4.9	0.4
Ratios to GDP					
Revenue	16.4	17.3	18.4	19.8	18.9
Current expenditure	18.6	16.1	18.3	18.9	18.9
Current surplus or deficit (-)	-2.2	1.2	0.1	1.0	0.1
Capital expenditure	3.8	4.2	4.6	5.0	5.3
Overall deficit (-)	-6.0	-3.0	-4.5	-4.0	-5.3
External borrowing (net)	1.0	2.0	1.7	1.4	4.1
Bank financing (net)	4.4	0.8	2.4	1.6	0.8

Sources: Appendix Tables XXII-XXVIII; and data provided by the Ministry of Finance.

^{1/} Data are on a cash basis.

^{2/} Net of imputed value of external grants in kind.

million in the second half. During the first half of 1981/82 the Government financed its fiscal deficit and, in addition, reduced its net indebtedness to the banking system (by Br 168 million) by recourse to a sizable amount of foreign borrowing. Gross foreign borrowing under the budget in the first half of the year amounted to Br 375 million, of which Br 300 million came from a single foreign loan contracted in September 1981.

The only nonbank financing of the central government deficit via bond sales takes place through the Pension Commission, although the possibility of selling bonds to private enterprises is currently being considered. State enterprises, however, by surrendering their residual surpluses and capital charges to the Central Government, are implicitly behaving as if they had purchased bonds. In particular, if they require resources in the future, they can draw upon the pool that has been formed by these surpluses and charges. Since 1978/79 there has been a heavy reliance on foreign borrowing to finance the central government deficit, as the gross drawings of foreign loans by the Central Government has risen from Br 87.5 million in 1977/78 to an estimated Br 405.3 million in 1981/82. Despite this increase, the budgetary external debt service payments do not currently pose a serious difficulty to the Government, and it is anticipated that increases in nominal GDP, combined with the reform in indirect taxes that is currently being considered, will increase tax revenues, thereby containing the need for foreign borrowing.

3. Revenues

The annual rate of growth in total central government revenues has slowed from 17.4 per cent in 1977/78 to 11.8 per cent in 1980/81, and is estimated to grow at only 1.5 per cent in 1981/82 (Table 4). New measures, designed to reform the system of direct taxes, led to a 23.1 per cent increase in tax revenues in 1978/79, but by 1980/81 the corresponding rate of increase had declined to 3.1 per cent, and is estimated to be 3.8 per cent in 1981/82. Similarly, the buoyancy of tax revenues, which was 2.26 in 1978/79, has declined to an estimated 0.60 by 1981/82 (Table 5). In particular, the ratio of export taxes to GDP has declined from 3.9 per cent in 1977/78 to an estimated 2.0 per cent in 1981/82.

The slowdown in the rate of growth of tax revenues in 1980/81 was strongly affected by a decline in proceeds from coffee exports, due primarily to a sharp decline in the world price of coffee (Chart 7). In a number of other areas, however, tax collection efforts have been quite successful. Income and profit taxes rose by 32 per cent in 1980/81, import taxes by 17.7 per cent, and nontax revenues by 55.7 per cent. These increases were more than offset by a 45 per cent decline in revenues from coffee taxes, and a corresponding 40.3 per cent decline in overall export taxes. This decline in coffee tax revenues was entirely the result of a fall in world prices, as the export volume increased.

In 1981/82 a slight improvement in the rate of growth of tax revenues is estimated to take place (see Table 4), primarily because of better payments of arrears by certain firms and also because a number of enterprises

CHART 7

ETHIOPIA

CENTRAL GOVERNMENT REVENUE: SELECTED INDICATORS, 1976/77-1981/82

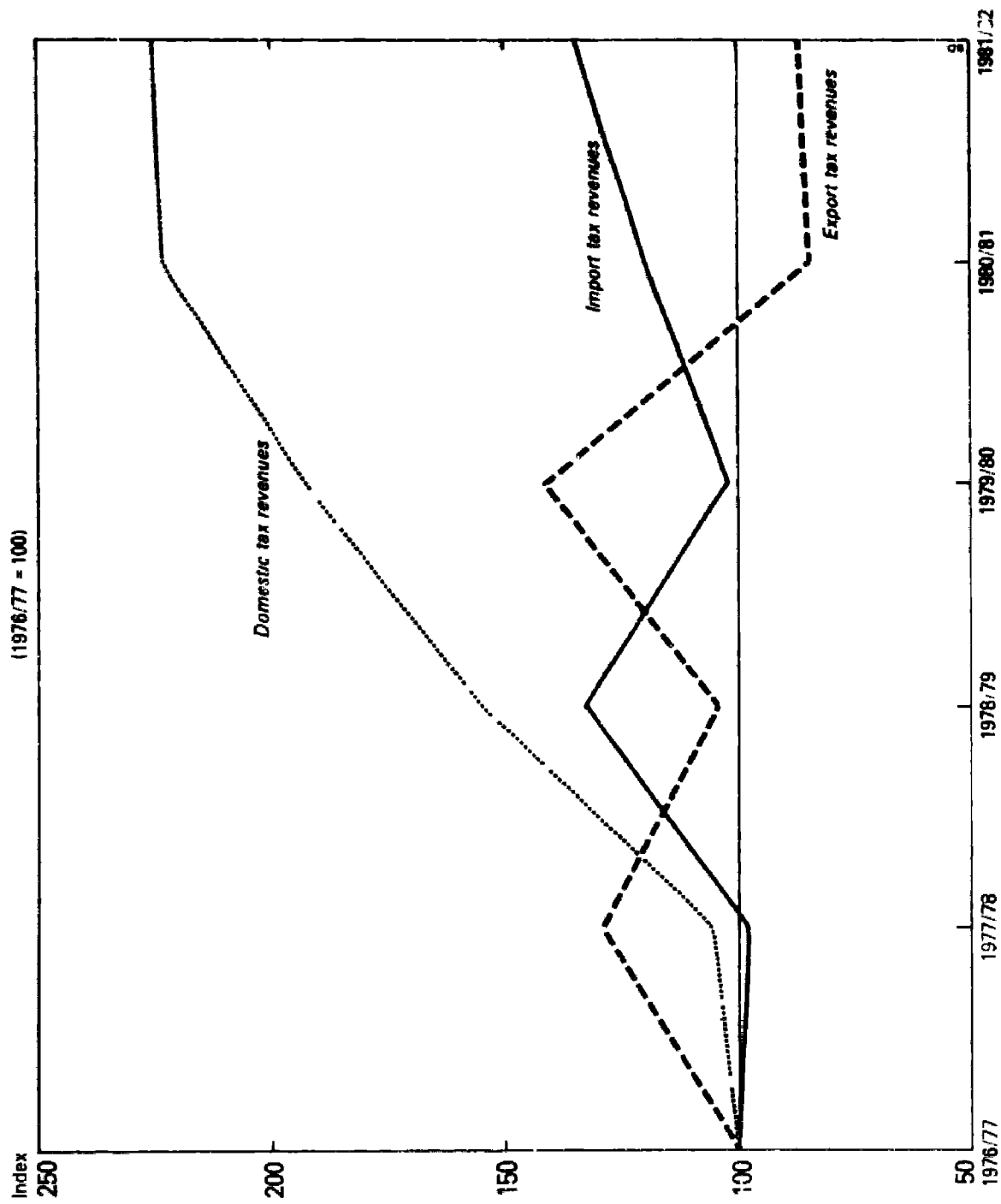


Table 4. Ethiopia: Central Government Revenue, Composition and Growth, 1977/78-1981/82
(In per cent)

Fiscal Year Ended July 7 Ethiopian Fiscal Year	Actual				Projections
	1977/78 1970	1978/79 1971	1979/80 1972	1980/81 1973	1981/82 1974
<u>Composition of total revenues</u>	<u>100.0</u>	<u>100.0</u>	<u>100.0</u>	<u>100.0</u>	<u>100.0</u>
<u>Tax revenues</u>	<u>79.1</u>	<u>84.0</u>	<u>83.5</u>	<u>77.1</u>	<u>78.8</u>
Domestic taxes	35.3	43.9	47.9	49.8	49.5
Income and profit taxes	17.4	19.8	21.1	25.0	24.5
Of which:					
business profits	(8.8)	(8.3)	(10.6)	(14.8)	(14.5)
Rural land fees and taxes	1.6	3.5	3.1	2.8	2.7
Domestic excise and sales taxes	16.3	20.6	23.7	22.0	22.3
Of which:					
excises	(9.4)	(12.1)	(14.2)	(12.8)	(13.0)
Import taxes	20.1	23.5	15.8	16.7	18.5
Export taxes	23.7	16.6	19.8	10.6	10.8
Of which:					
coffee tax and surtax	(22.2)	(15.7)	(18.7)	(9.2)	(8.8)
<u>Nontax revenues</u>	<u>20.9</u>	<u>16.0</u>	<u>16.5</u>	<u>22.9</u>	<u>21.2</u>
Of which:					
property and investment	(7.1)	(5.7)	(9.4)	17.3	(15.4)
<u>Annual growth</u>					
<u>Total revenues</u>	<u>17.4</u>	<u>15.8</u>	<u>13.4</u>	<u>11.8</u>	<u>1.5</u>
<u>Tax revenues</u>	<u>9.3</u>	<u>23.1</u>	<u>12.8</u>	<u>3.1</u>	<u>3.8</u>
Domestic taxes	5.5	46.9	24.0	16.1	0.9
Of which:					
excise and sales taxes	(2.3)	(49.7)	(30.4)	(3.6)	(2.9)
Import taxes	-2.1	35.7	-23.6	17.7	12.5
Export taxes	28.9	-18.7	34.6	-40.3	3.7
Of which:					
coffee export taxes	(31.8)	(-18.1)	(35.6)	(-45.0)	-3.7
<u>Nontax revenues</u>	<u>63.5</u>	<u>-11.5</u>	<u>16.9</u>	<u>55.7</u>	<u>6.4</u>

Source: Appendix Table XXII.

Table 5. Ethiopia: Ratios to GDP and Buoyancy Rates for Selected Government Revenues, 1977/78-1981/82

Fiscal Year Ended July 7 Ethiopian Fiscal Year	Actual				Projections
	1977/78 1970	1978/79 1971	1979/80 1972	1980/81 1973	1981/82 1974
<u>Ratios (in per cent of GDP)</u>					
Total revenues	16.4	17.3	18.4	19.8	18.9
Tax revenues	13.0	14.5	15.4	15.3	14.9
Domestic tax revenues	6.3	7.6	8.8	9.9	9.4
Domestic excise and sales taxes	2.7	3.6	4.4	4.4	4.2
Import taxes	3.3	4.1	2.9	3.3	3.5
Export taxes	3.4	2.8	3.0	4.6	4.0
Nontax revenues	3.4	2.8	3.0	4.6	4.0
<u>Buoyancy rates 1/</u>					
Total revenues	2.95	1.55	2.16	3.09	0.23
Tax revenues	1.57	2.26	2.05	0.81	0.60
Domestic tax revenues	0.93	4.31	3.85	4.24	0.15
Income and profit taxes	(1.31)	(3.13)	(3.37)	(8.48)	--
Domestic excise and sales taxes	(0.45)	(4.59)	(4.90)	(0.95)	0.46
Import taxes	--	3.49	--	(4.66)	1.95
Export taxes	4.89	--	5.57	--	0.59
Nontax revenues	10.75	--	2.73	14.64	--

Source: Appendix Tables IV and XXI.

1/ Calculated as the ratio of percentage growth in the indicated tax or revenue categories to the percentage growth in GDP.

have changed from the Gregorian to the Ethiopian calendar, leading to more timely payments of taxes. Nonetheless, it is estimated that total revenues will drop by about 0.9 per cent (as a percentage of GDP), while tax revenues will decline by about 0.4 per cent. The problems in increasing tax revenues may be traced, in part, to the structure of the system of indirect taxes. In the case of coffee taxes, it is believed that the current system tends to impede a supply response, and hence an increase in revenues, since the reference price for the surtax is based upon the world ICO price, which tends to be lower than the price the coffee exporters actually receive. This tax functions progressively, based upon the world price, in the following way. If the reference price is below US\$0.30 per pound, the surtax is zero. The tax rate is then Br 1 per quintal for each US\$0.01 per pound for a reference price between US\$0.30 and US\$0.50 per pound, Br 2 per quintal for each US\$0.01 per pound for a reference price between \$0.50 and \$1.00 per pound, and Br 3 per quintal for each US\$0.01 per pound for a reference price above US\$1.00 per pound. Two proposals are currently under consideration for the coffee surtax. The first of these would consolidate all coffee charges into a single surtax that would be based upon the price actually received by the exporter, rather than a world reference price, while the second proposed change would entail an across-the-board lowering of the current surtax by Br 0.5 per quintal.

There are no increases planned in any direct tax rates, but several measures are being proposed to make indirect taxes more responsive to price changes. The buoyancy rate of domestic excise and sales taxes has fallen from 4.59 in 1978/79 to an estimated 0.46 in 1981/82. This decline is primarily attributable to the fact that a number of indirect taxes are specific rather than ad valorem, and, accordingly, it is currently being proposed that specific taxes be changed to ad valorem, that the current tax structure be simplified, and, in particular, that a number of ad valorem rates be increased. There are currently 15 categories of indirect taxes, which may be reduced to 3. Tax rates, which currently range from zero to 25 per cent, may possibly be raised. Imports include a relatively large share of capital goods, which are exempt from tariffs, so that it has been difficult to obtain higher revenues from that sector. Finally, the authorities are currently studying the possibility of raising receipts from sales and profit taxes, and, in particular, of taxing luxury goods, both domestic and foreign, at increased rates.

4. Expenditures

Government current expenditures include certain items that might sometimes be included under the heading of capital expenditures. Recurrent expenditures associated with a particular investment project are included under current expenditures until the project becomes fully operational. As a percentage of GDP, total expenditures have risen by almost 3 per cent since 1977/78, (see Table 4), mainly as the result of a rise in the level of capital expenditures. In addition, the share of economic sectors in total expenditure has risen from 22.9 per cent in 1977/78 to an estimated 28.2 per cent in 1981/82, primarily at the expense of current expenditures on general services, whose share has declined by more than 10 per cent during

the same period (Table 6 and Chart 8). In 1980/81 both current and capital outlays increased at a much slower rate than in the previous year, so that the current budgetary surplus was larger and the overall fiscal deficit was smaller. The area of current expenditures where the greatest increase was recorded in 1981/82 was that of central government wages, which experienced a rise of almost 17 per cent (Appendix Table XXIV). This increase came about mainly through higher levels of government employment, although there were also wage increases, as described in Section I(8). Price subsidies declined sharply in 1981/82, as petroleum subsidies were totally eliminated. Only grains and fertilizers are currently being subsidized, and fertilizer subsidies are given only to cooperatives.

The fiscal policies followed over the current and the preceding two fiscal years have put considerable emphasis on raising the levels of capital expenditures. This policy, which has been implemented in the area of economic rather than social development (Appendix Table XXV), has been supported to some extent by various domestic measures, which have included increases in rates of direct taxation in 1978/79, the mobilization of a sizable part of the public enterprises' surpluses since 1979/80, the reduction in budgetary price subsidies in 1980/81, and very tight restraints on current budgetary outlays. The current budget has been in near equilibrium since 1979/80, indicating that revenues have been used to cover current rather than capital expenditures. Attempts are currently being made, however, to restrain current expenditure in order to save revenue for capital formation. There was, for example, no increased budgetary allowance given to state enterprises to compensate them for the increase in petroleum prices that occurred after the removal of subsidies, and these firms have had to rely on their own resources for financing. In addition, consideration is being given to at least partially matching increases in capital expenditures with increases in revenues, since such a policy would help to limit the Government's recourse to domestic bank financing, thereby easing the monetary authorities' task of ensuring that the overall expansion of domestic bank credit is consistent with containing pressure on the balance of payments and the domestic price level. At the same time, such a policy would help to limit the Government's recourse to foreign borrowing, which has in the past been used almost entirely for financing capital formation.

III. Money and Credit

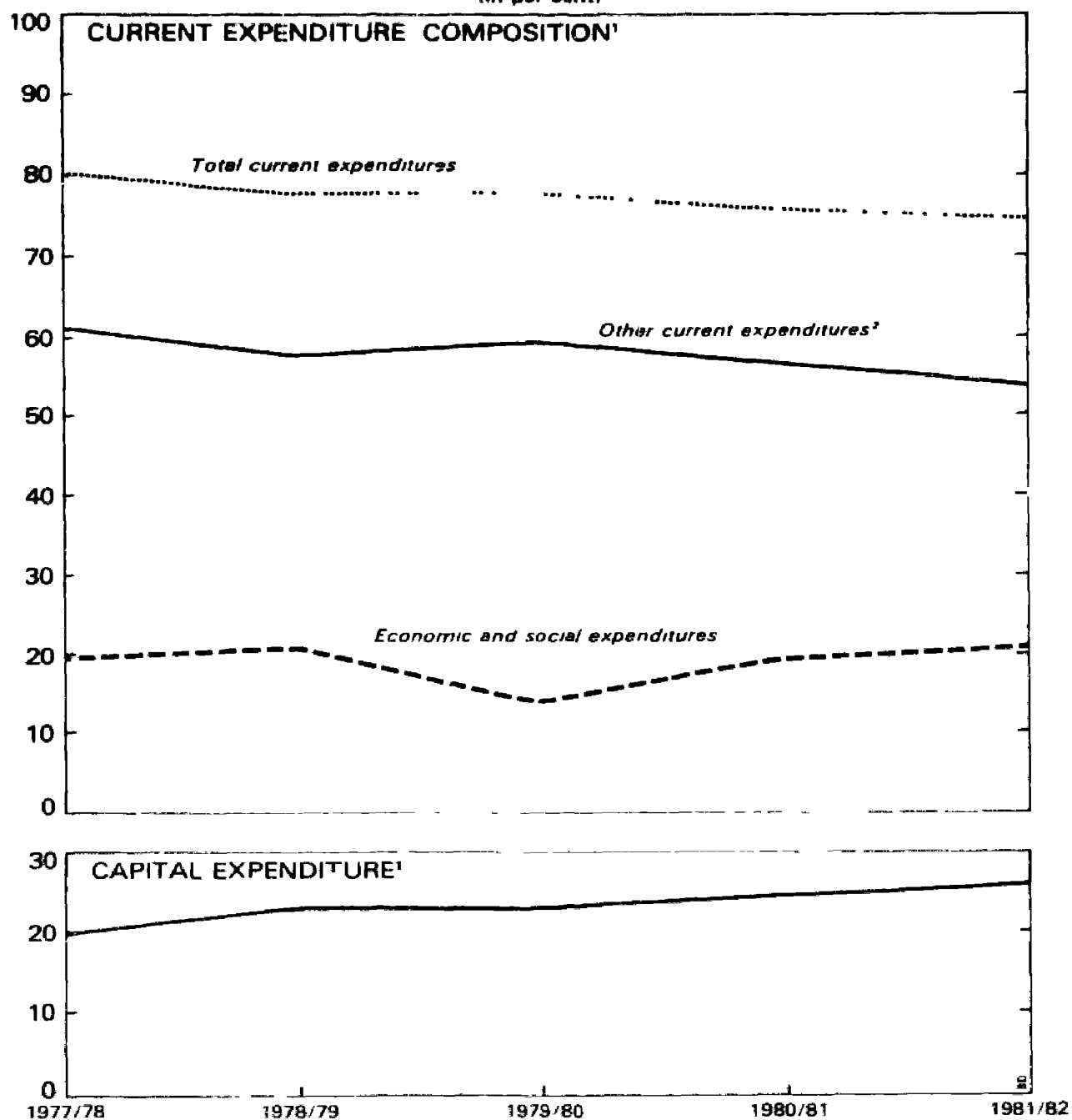
1. Introduction

Ethiopia's major financial institutions are the country's central bank, the National Bank of Ethiopia (NBE); one commercial bank, the Commercial Bank of Ethiopia (CBE), two specialized banks, the Agricultural and Industrial Development Bank (AIDB) and the Housing and Savings Bank (HSB), and one insurance company, the Ethiopian Insurance Corporation (EIC). 1/ The present

1/ Savings and Credit Cooperatives (SACCs), although a part of the financial system, remain very small and negligible and therefore have been excluded from the description.

CHART 8
ETHIOPIA
CENTRAL GOVERNMENT EXPENDITURE:
COMPOSITION, 1977/78-1981/82

(In per cent)



¹As a per cent of total expenditure

²Includes general services, pensions, interest, and miscellaneous

Table 6. Ethiopia Central Government Expenditure
Composition and Growth, 1977/78-1981/82

(In per cent)

Fiscal Year Ended July 7 Ethiopian Fiscal Year	Actual				Projections
	1977/78 1970	1978/79 1971	1979/80 1972	1980/81 1973	1981/82 1974
<u>Composition</u>					
General services (current)	54.6	48.9	45.3	44.4	44.3
Pensions, interest, and miscellaneous (current)	6.7	8.1	13.5	12.6	9.4
Economic sectors <u>1/</u>	22.9	24.0	23.0	24.8	28.2
Agriculture	(11.4)	(11.7)	(8.8)	(8.4)	(8.6)
Transport and communications	(8.3)	(8.1)	(8.9)	(8.1)	(9.1)
Other economic	(3.2)	(4.2)	(5.3)	(8.3)	(10.5)
Social sectors <u>2/</u>	15.8	19.0	18.2	18.2	18.1
Total expenditure	<u>100.0</u>	<u>100.0</u>	<u>100.0</u>	<u>100.0</u>	<u>100.0</u>
Current	80.1	77.5	77.4	75.7	74.6
Economic and social	(18.9)	(20.6)	(18.6)	(19.3)	(21.0)
Other	(61.2)	(56.9)	(58.8)	(56.4)	(53.6)
Capital <u>3/</u>	19.9	22.5	22.6	24.3	25.4
<u>Annual growth</u>					
General services (current)	55.6	-11.8	12.0	7.3	7.6
Pensions, interest, and miscellaneous (current)	17.3	18.4	102.9	-2.3	-16.2
Economic sectors <u>1/</u>	14.7	3.2	15.7	18.0	22.6
Agriculture	(48.3)	(0.7)	(-8.9)	(4.3)	(11.1)
Transport and communications	(-15.6)	(9.4)	(32.2)	(0.6)	(19.9)
Other economic	(29.8)	(-9.9)	(52.3)	(68.9)	(36.9)
Social sectors <u>2/</u>	34.8	16.8	14.5	12.8	(4.2)
Total expenditure	<u>31.7</u>	<u>-1.6</u>	<u>21.0</u>	<u>9.5</u>	<u>7.8</u>
Current	37.4	-4.8	20.8	7.2	6.3
Economic and social	(22.8)	(7.1)	(9.3)	(13.7)	(17.4)
Other	(50.2)	(-8.5)	(24.9)	(5.1)	(2.5)
Capital <u>3/</u>	2.4	11.3	21.9	17.5	12.5
<u>Ratios to GDP</u>					
Total expenditure	22.4	20.8	23.6	24.9	25.3
Current	18.6	16.1	18.3	18.9	18.9
Capital	4.6	4.7	5.3	6.1	6.4

Sources Appendix Tables XXIII and XXIV.

1/ Current and capital.

2/ Current and capital; Includes public buildings.

3/ Includes external grants in kind.

financial system is the result of considerable restructuring which was done after the nationalization in 1975. ^{1/} As part of the reorganization, a new banking law was introduced in 1976, abolishing the separate governing boards of all banks and the EIC and placing them under the overall policy direction and control of the NBE's Board of Directors.

According to the Monetary and Banking Proclamation of 1976, the NBE has extensive powers to regulate credit to the nongovernment sectors, including control of credit to all types of borrowers, and of lending conditions such as the activities to be financed, maturities, and security requirements. It is empowered to monitor the accounts of public enterprises and cooperatives with a view to assessing their efficiency and ensuring proper utilization of their funds. It could not, however, extend credit to them directly, as its lending is restricted to banks, other financial institutions, ^{2/} and the Government. With respect to its domestic financing of the government deficit, the law provides that the NBE participates in the budgetary process for the purpose of ensuring compatibility of deficit financing with monetary stability and external equilibrium. The overall level of domestic borrowing is subject to central planning determination, but the principle of legal ceilings on credit from the banking system is also retained. The law gives the NBE complete control over the establishment, dissolution, consolidation, and expansion of banks and other financial institutions, thus empowering it to make future changes in the financial system as needed. The NBE is also implicitly empowered to determine foreign exchange rates and exchange controls, and participates in planning the use of foreign exchange.

Considerable overlapping exists in the types of credit provided by various banks. While long-term agricultural and industrial lending is entrusted to the AIDB, both the CBE and the AIDB engage in medium- and short-term financing of the agricultural and industrial sectors. The HSB specializes in mortgage loans and in financing building contractors, but the CBE extends such loans as well. As the CBE has the only extensive branch network, it often acts as an agent for the specialized banks as well.

2. Overall developments in broad money and domestic credit

The rate of expansion of broad money, which had amounted to 3 per cent in 1976/77, accelerated to an average annual rate of 12.8 per cent during 1977/78-1979/80, and was marginal in 1980/81 (Table 7 and Chart 9). In 1977/78 the acceleration in the growth rate of broad money reflected a large increase in the banking system's net domestic assets, which exceeded a rather sizable contemporaneous decline in net foreign assets. In that year credit both to the Government and to the other sectors rose sharply

^{1/} For a more detailed description, see SM/81/61 and SM/77/166.

^{2/} Banks were defined in the law to include the AIDB and the HSB as well as deposit money banks. Other financial institutions were defined to include the insurance corporation, savings and credit cooperatives, and similar entities. To avoid ambiguity, the term "specialized banks" has been used in this report for the AIDB and the HSB.

CHART 3
ETHIOPIA
FACTORS AFFECTING CHANGES IN
BROAD MONEY, 1976/77-1980/81

(In millions of birr)

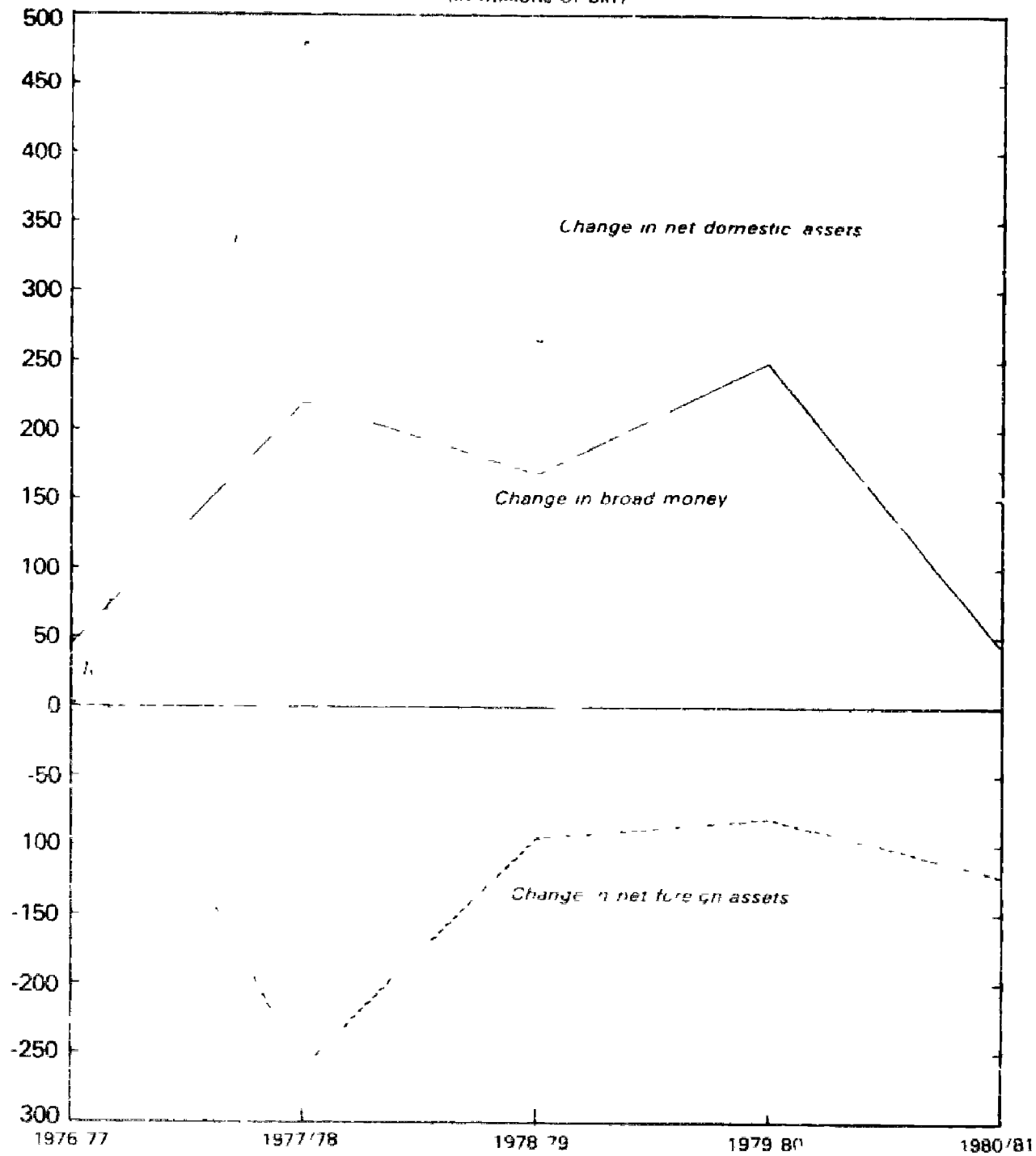


Table 7. Ethiopia: Monetary Indicators, 1976/77-1980/81

(In millions of birr, unless otherwise indicated)

	July - June				
	1976/77	1977/78	1978/79	1979/80	1980/81
<u>Factors Affecting Changes in Reserve Money</u>					
Change in net foreign assets of NBE	34.5	-214.1	-161.5	-52.2	-103.1
Change in net domestic assets of NBE	-64.5	303.5	253.6	116.5	325.1
Of which: Government	(-3.6)	(257.3)	(143.4)	(22.8)	(180.0)
Change in reserve money	-30.2	89.6	92.1	64.3	222.1
Of which: currency outside banks	(-113.6)	(160.6)	(94.8)	(110.8)	(-35.7)
<u>Factors Affecting Changes in Broad Money</u>					
Change in net foreign assets	49.0	-260.5	-94.7	-80.9	-122.2
Change in net domestic assets	-4.2	480.9	263.3	330.3	167.1
Of which: Government	(35.8)	(323.1)	(96.0)	(105.8)	(139.0)
Change in broad money	44.8	220.4	168.5	249.4	45.4
Of which: net demand deposits	(15.8)	(36.4)	(61.9)	(35.2)	(29.2)
<u>Growth Rates and Ratios (In per cent) ^{1/}</u>					
Growth rate of overall domestic credit	10.4	54.6	24.2	25.3	8.2
Government	8.8	72.9	12.5	12.3	14.4
Other sectors	11.6	42.0	34.1	34.5	4.7
National Bank	-2.0	77.5	35.6	20.3	30.8
Commercial Bank	17.8	37.7	13.5	30.9	-15.1
Growth rate of broad money	3.1	15.0	10.0	13.4	1.1
Ratio of broad money to GDP	21.5	23.4	23.3	24.9	23.1
Ratio of broad money to reserve money	1.5	1.6	1.6	1.7	1.4
Ratio of commercial bank's reserves to its total deposits ^{2/}	36.4	26.8	22.9	13.8	39.2
Ratio of currency outside banks to broad money	47.4	50.7	51.2	50.4	49.2
Ratio of quasi-money to broad money	32.1	29.3	27.3	28.9	31.7

Sources: Appendix Tables IV and XXX-XXXII.

^{1/} All ratios are calculated by using the end of period figures and are all expressed in percentages.

^{2/} Net demand deposits plus time and savings deposits.

(Chart 10); as a result, domestic credit increased by about 55 per cent. Both the NBE and the commercial bank expanded credit at accelerated rates (of 77.5 per cent and 37.7 per cent, respectively).

During 1978/79 and 1979/80 overall domestic credit expansion slowed substantially (annually averaging 24.8 per cent), and the increases in the banking system's net domestic assets were on average considerably less than in 1977/78. Net claims on the Government rose by about 12-13 per cent in each of these two years, compared with an increase of 73 per cent in 1977/78. Claims on other sectors rose at an average annual rate of 34 per cent, following an increase of 42 per cent in 1977/78. In these years the NBE slowed its rate of credit expansion markedly. The growth rates of commercial bank credit were also well below the exceptionally high rate of 1977/78. During 1978/79-1979/80, as in 1977/78, the balance of payments had a contractionary impact on domestic liquidity creation, but the loss in net foreign assets was contained to Br 95 million in 1978/79 and Br 81 million in 1979/80, compared with Br 260 million in 1977/78.

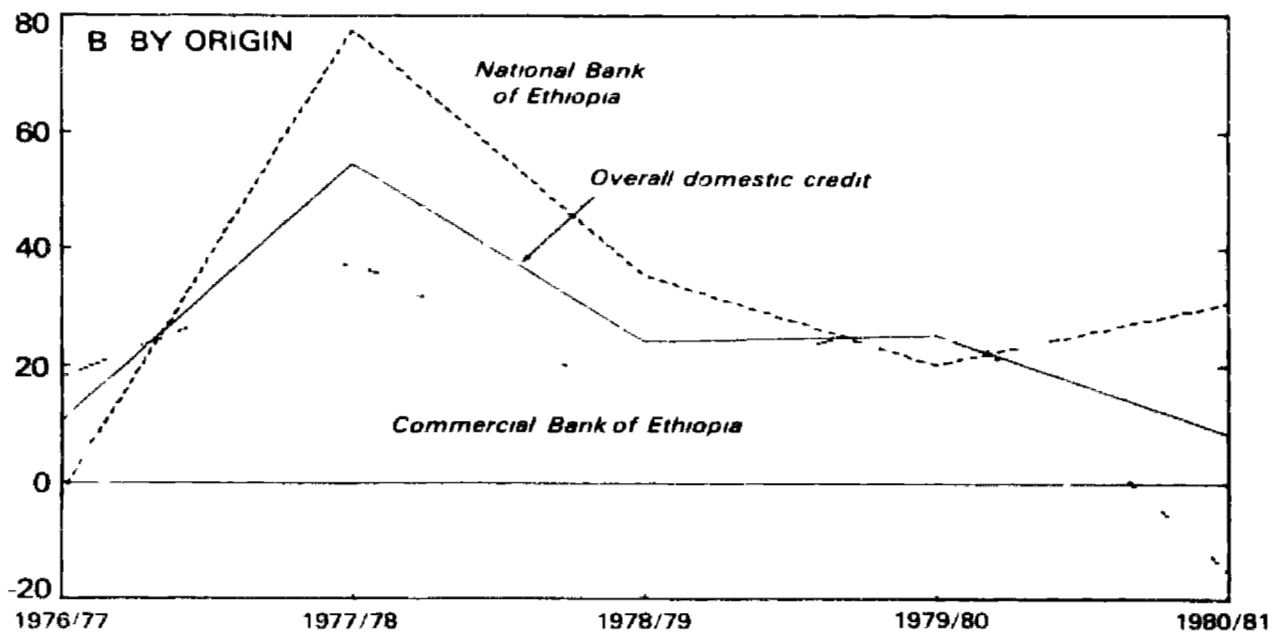
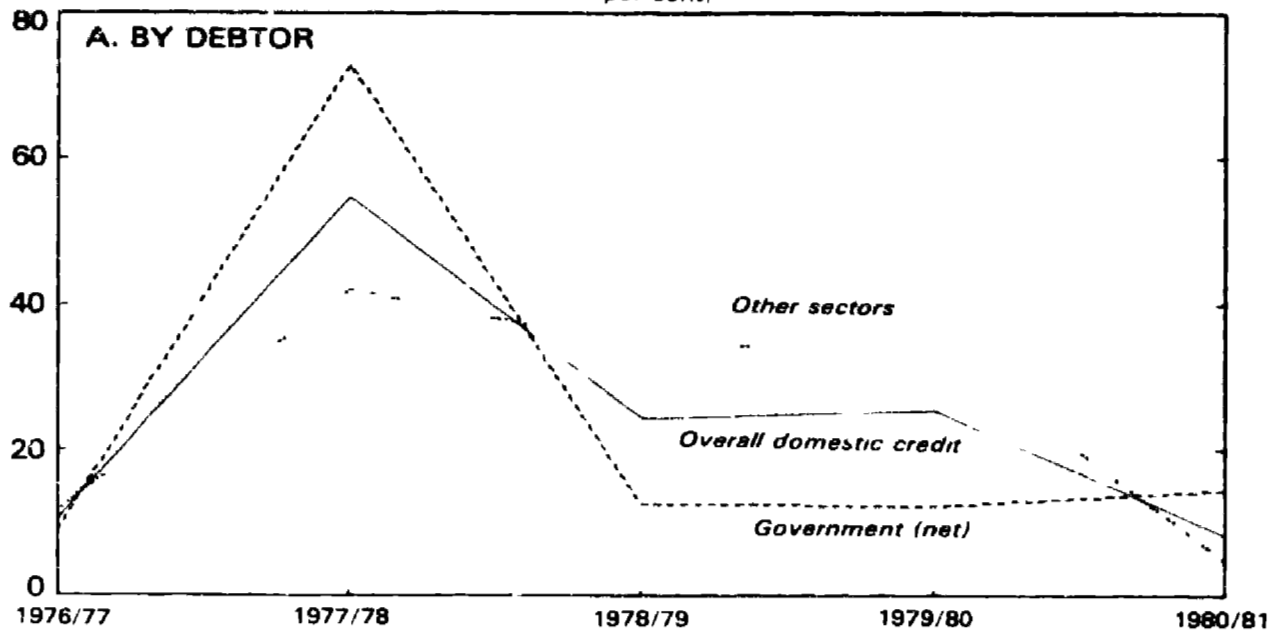
In 1980/81 broad money rose only marginally, because the balance of payments again had a contractionary impact, and the increase in net domestic assets was one half the increase in the previous year. The loss in net foreign assets amounted to Br 122 million, or about one third of its level at the end of June 1980. The growth of overall domestic credit slowed sharply (to 8.3 per cent) and originated from the NBE; credit extended by the commercial bank actually declined by some 15 per cent. The growth rate of net claims on the Government rose slightly (to 14.4 per cent), while that of credit to the rest of the economy slowed sharply and was much less (4.7 per cent). The relatively slow expansion of credit to the nongovernment sectors was partly due to the timely repayment of domestic bank loans and also due to tight restraints on bank lending for import financing.

Over the first six months of 1981/82 (July to December 1981) the Government increased net foreign borrowing substantially and used part of the proceeds of a foreign loan to reduce its net indebtedness to the banking system (Appendix Table XXX). In this period total domestic credit rose by about 1.3 per cent, entirely because credit to nongovernment sectors increased by some 4.6 per cent. The National Bank increased its credit (to AIDB) by about 7.2 per cent, and the commercial bank expanded its credit to the nongovernment sectors by about 2.4 per cent. In the first six months of 1981/82, net foreign assets increased by Br 97 million and broad money grew at a rate of 2.6 per cent.

During the period 1976/77-1980/81 the composition of broad money fluctuated. The ratio of currency outside banks to broad money, which was 47.4 per cent in 1976/77, increased by about 4 percentage points in the following two years to 51.2 per cent in 1978/79. With the ratio of net demand deposits to broad money increasing from 20.5 per cent in 1976/77 to 21.5 per cent in 1978/79, the ratio of quasi-money to broad money declined from 32.1 per cent to 27.3 per cent. These trends seem to have been reversed more recently, as in 1980/81 the ratios of currency outside banks and of net demand deposits to broad money declined to 49.2 per cent and 19.1 per

CHART 10
ETHIOPIA
GROWTH OF DOMESTIC CREDIT BY DEBTOR
AND BY ORIGIN, 1976/77-1980/81

(In per cent)



cent, respectively, and the corresponding ratio of quasi-money increased to 31.7 per cent. Data for December 1981 show the continuation of these trends, as the share of net demand deposits in broad money declined further to 17.1 per cent and that of currency outside banks to 49.0 per cent. The share of quasi-money in broad money increased to about 34 per cent.

3. Commercial bank's liquidity and credit

For the period 1976/77-1980/81 the commercial bank's liquidity and lending positions, as measured by excess reserves, liquidity ratio, and credit/deposit ratios, are shown in Table 8. Between 1976/77 and 1979/80, primarily due to the recovery of economic activity, the demand for credit grew, and the bank's credit/deposit ratios rose steadily. The latter was accompanied by a declining trend in the bank's excess reserve position. With decreases in actual reserves, the bank's liquidity ratio also showed a marked downward trend. In 1981 the bank's excess reserves position improved considerably and its credit/deposit ratios decreased markedly, mainly because of the adoption of tight domestic credit policies.

The allocation of commercial bank credit was expected to reflect a gradual shift since 1977 toward the nationalized sectors and productive activities, in particular agriculture and industry. This shift, however, has not been evident, as the share of industry declined by some 2 percentage points (to 13.3 per cent) and the share of agriculture was halved (to 4.8 per cent) over the period 1976/77-1980/81 (Appendix Table XXXIII). The share of export credit in total commercial bank credit was also halved (to 9.4 per cent) over the same period. On the other hand, the shares of credit for imports, domestic trade, and services rose, and that for construction activities remained virtually unchanged.

4. Specialized banks

In recent years specialized banks have played an increasing role in the provision of credit to the nongovernment sectors of the economy. The ratio of their claims on nongovernment sectors to those of the commercial bank has risen from about 0.8 in June 1977 to about 1.4 in June 1981 (Appendix Tables XXXIV and XXXV). The expansion of specialized banks' activities has been based largely on funds provided to them by the banking system proper (mainly the National Bank of Ethiopia). The share of the commercial bank's claims on specialized banks in total banking system claims on nongovernment sectors has remained steady at 5 per cent during the period 1976/77-1980/81, but the share of the National Bank of Ethiopia's claims on specialized banks in total banking system claims on nongovernment sectors has increased from 18 per cent in June 1977 to 46 per cent in June 1981. Thus the banking system's credit to specialized banks now accounts for about 50 per cent of total credit to the nongovernment sectors as compared with 23 per cent in 1976/77. The AIDB remains by far the largest of the two specialized banks, with its share of claims on nongovernment sectors in total specialized banks' claims on such sectors amounting to more than 80 per cent. The AIDB has practically no domestic deposit base, and its main sources of funds are advances from the NBE, foreign borrowing, and its own capital. The HSB remains virtually entirely dependent on deposits from insurance and pension funds.

Table 8. Ethiopia: Commercial Bank's Reserves, Liquidity, and Lending Positions, 1977-81

End of Month	Reserves		Liquidity ratio 2/	Credit/Deposit Ratios	
	Required 1/ (In millions of birr)	Actual		Non- government 3/ (In per cent)	Including Government 4/
<u>June</u>					
1977	53.8	281.4	107.6	59.5	71.9
1978	58.6	223.3	69.1	69.7	86.8
1979	65.3	207.4	65.8	77.2	88.4
1980	74.1	144.7	48.2	84.1	99.9
1981	72.9	415.7	80.8	68.1	81.4
<u>December</u>					
1980	54.0	324.6	68.8	79.9	92.8
1981	72.0	514.3	80.4	67.1	82.6

Source: Appendix Table XXXII.

1/ Ten per cent of net demand deposits plus 5 per cent of time and savings deposits.

2/ Reserves plus foreign assets divided by gross demand deposits plus short-term foreign liabilities.

3/ Total claims on nongovernment sectors divided by gross demand, time, and savings deposits.

4/ Total claims on government and nongovernment sectors divided by gross demand, time, savings, and government deposits.

Increases in AIDB overall lending have generally moved concomitantly with credit received from the NBE (Appendix Table XXXIV). This lending has been increasingly directed toward agriculture, the share of which in total AIDB lending has risen from 67 per cent in June 1977 to 76 per cent in June 1981. The important agricultural borrowers are the state farms and cooperatives, for whom AIDB is the main provider of finance. Some agricultural financing is also channeled through the Extension and Projects Implementation Department (EPID) of the Ministry of Agriculture, which gets funds from the AIDB to purchase seeds and fertilizers from the Agriculture Marketing Corporation (AMC) for distribution to farmers' associations. As the state farms have generally been operating at losses, they have faced repayment difficulties, and the AIDB has recently taken steps to reschedule a sizable number of the overdue loans. Arrears on repayment amounted to over Br 200 million or about 20 per cent of outstanding loans.

Lending to industry has grown at a slow pace, and its share in total AIDB lending has fallen from 23 per cent in June 1977 to 12 per cent in June 1981. Such lending has been channeled mainly into state-owned factories. Smaller amounts are lent to cooperatives and to small-scale private industries once their activities have been certified by the Handicrafts and Small Industries Development Agency (HASIDA) of the Ministry of Industry. The share of loans to other sectors has remained virtually unchanged (at about 10-11 per cent). Such loans have chiefly gone to state-owned electricity, transportation, and telecommunication companies. In the construction sector, the AIDB acts only as a guarantor, as credit for housing remains largely the special domain of the HSB.

5. Interest rates

At the level of the commercial bank, deposit rates range between 4 and 6 per cent and lending rates between 8 and 12 per cent (Appendix Table XXXVI), with most lending taking place at 9.5 per cent. There is a preferential rate of 8.5 per cent for export loans.

The interest rates charged by the specialized banks range between 9 and 10.5 per cent. The AIDB provides long-term loans for fixed investment at 9.5 per cent and loans for working capital at 9 per cent. Farmers' associations obtain fertilizer loans from AIDB (through EPID, as explained above) at 10.5 per cent, and lend to their members at 12 per cent. Of the 10.5 per cent earned by AIDB, 8 per cent is surrendered to the Ministry of Finance. The HSB makes loans for purchases of existing housing at 10 per cent and for new construction at 9 per cent. There is also a self-help housing scheme run by the Ministry of Housing and Urban Development, under which low-income persons may qualify for housing loans at 6 per cent.

Ethiopia's domestic inflation rate, as measured by increases in the consumer price index, after having averaged about 13 per cent during 1978/79-1979/80, declined to 2 per cent in 1980/81, and is projected to be between 6 and 9 per cent in 1981/82. Compared with the projected 1981/82 inflation rate, the deposit rate for savings and one-year time deposits would be negative, and most lending rates marginally positive.

Higher lending rates, pari passu with increased deposit rates, could no doubt have an adverse financial impact on the public sector. However, interest payments represent about 4 per cent of total government revenue, and domestic borrowing costs constitute on average about 2-3 per cent of the total costs of most public enterprises. Thus, a moderate increase in domestic lending rates will imply a very minimal increase in the Government's domestic debt service payments. Such an increase in interest rates is also not expected to generate insupportable cost pressures for most public enterprises. However, this may be different for certain public enterprises, which have relied heavily on bank financing due to an inadequate equity capital base; for such firms domestic borrowing costs could be a large proportion of sales revenue. Even so, the financial burden of increased interest rates could be absorbed by such firms if, *inter alia*, appropriate adjustments were made in pricing policies and in their debt/equity structure.

Finally, the state-owned commercial bank's profit position can be expected to improve with increases in lending rates and deposit rates, mainly because a large part of the deposit base (namely, demand deposits) would continue to carry no remuneration. This is expected to be particularly true if the structure of deposits shifts only gradually toward quasi-money. If the bank's profits are at least in part channeled into the budget, it could partly offset the increase in government borrowing costs resulting from higher lending rates.

IV. International Transactions

1. Overall balance of payments developments

Ethiopia's overall balance of payments has been in deficit during each of the four years ended June 1981 (Table 9, Chart 11, and Appendix Tables XXXVII and XXXVIII). The single most important factor contributing to the deficits has been an overall deterioration in the terms of trade against Ethiopia. Ethiopia's terms of trade at year end 1980/81 had fallen by almost 44 per cent from 1976/77.

In 1980/81 export earnings fell by 12.1 per cent, and the export price index declined by 19.1 per cent. ^{1/} The implied increase in overall export volume was largely due to a 10.4 per cent increase in the volume of coffee exported. Coffee earnings nevertheless fell by 17 per cent, as the unit price of coffee fell from US\$1.73 per pound in 1979/80 to US\$1.30 per pound in 1980/81. The price recovered somewhat toward the end of the fiscal year, when coffee stocks were reduced to achieve the increase in export volume. It is noteworthy that in 1980/81 coffee prices were 37.6 per cent below their peak levels of 1976/77. The earnings from noncoffee exports declined by 2.5 per cent, reflecting, in the main, a decline in both the volume and the unit price of hides and skins, Ethiopia's second ranking export. However,

^{1/} The categories "Other exports" and "Re-exports" were not included in the calculation of the export price index.

CHART 11
ETHIOPIA
BALANCE OF PAYMENTS, 1977/78-1980/81

(In millions of birr)

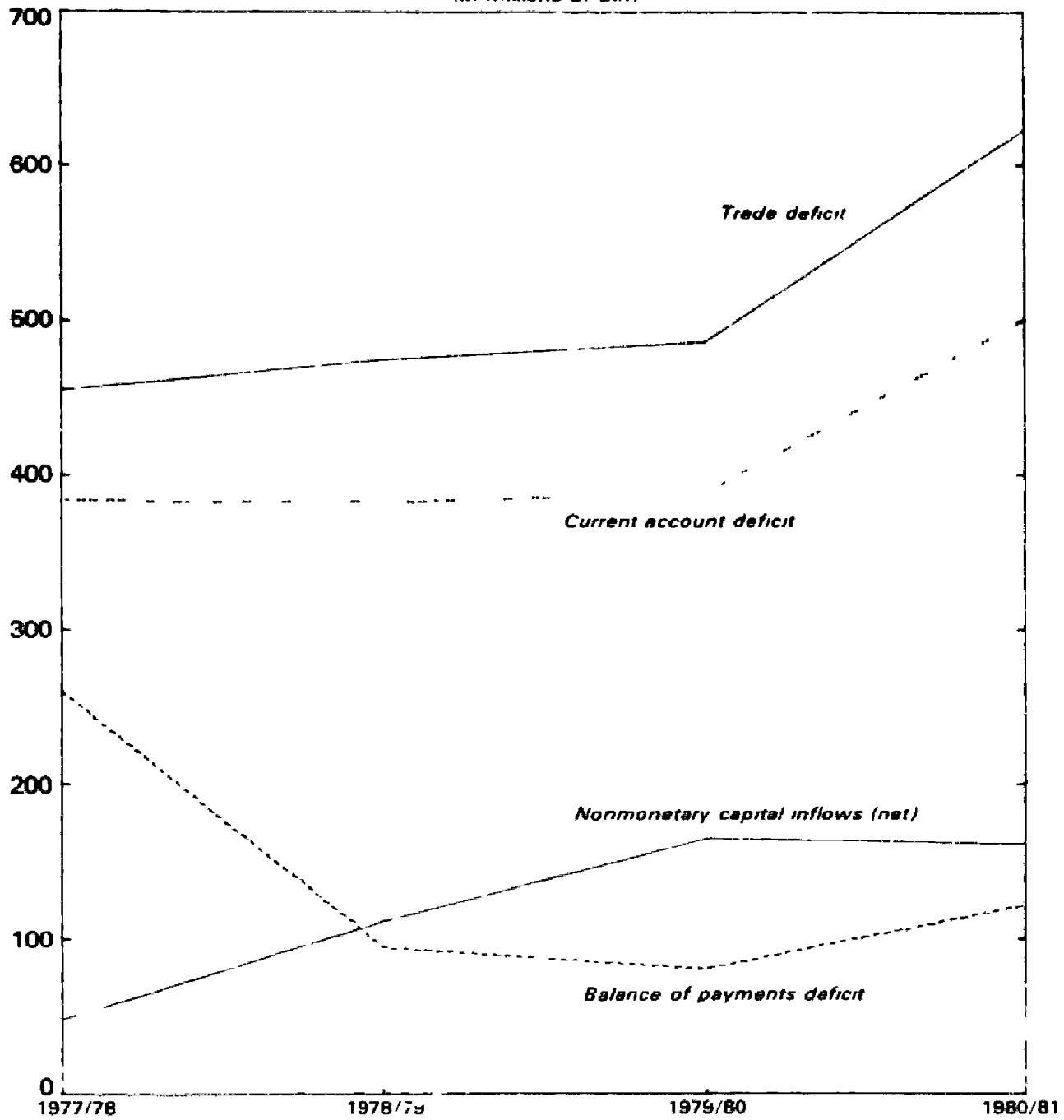


Table 9. Ethiopia: Balance of Payments, 1977/78-1980/81

(In millions of birr)

Fiscal year <u>1/</u>	1977/78	1978/79	1979/80	1980/81
Trade balance	<u>-455.2</u>	<u>-474.2</u>	<u>-486.4</u>	<u>-623.2</u>
Exports, f.o.b.	<u>670.7</u>	<u>744.9</u>	<u>981.8</u> <u>2/</u>	<u>839.7</u>
Coffee	(512.5)	(541.6)	(631.7)	(524.3)
Noncoffee	(158.2)	(203.3)	(323.4)	(315.4)
Imports, c.i.f. <u>3/</u>	<u>-1,125.9</u>	<u>-1,219.1</u>	<u>-1,468.2</u>	<u>-1,462.9</u>
Net services	<u>41.0</u>	<u>43.6</u>	<u>56.6</u>	<u>71.5</u>
Travel	<u>-2.8</u>	<u>4.2</u>	<u>7.7</u>	<u>9.8</u>
Other transportation	<u>28.8</u>	<u>18.1</u>	<u>22.5</u>	<u>44.1</u>
Investment income	<u>-9.2</u>	<u>-5.3</u>	<u>15.0</u>	<u>-13.4</u>
Government, n.i.e.	<u>11.1</u> <u>4/</u>	<u>12.2</u>	<u>6.7</u>	<u>5.3</u>
Other services	<u>13.1</u>	<u>14.4</u>	<u>4.7</u>	<u>25.7</u>
Private transfers	<u>30.7</u>	<u>48.2</u>	<u>41.3</u>	<u>51.2</u>
Current account balance	<u>-383.5</u>	<u>-382.4</u>	<u>-388.5</u>	<u>-500.5</u>
Public transfers	<u>110.1</u>	<u>123.5</u>	<u>124.0</u>	<u>108.0</u>
Nonmonetary capital (net)	<u>48.1</u>	<u>111.9</u>	<u>165.3</u>	<u>161.7</u>
Private long term	<u>7.3</u>	<u>--</u>	<u>--</u>	<u>--</u>
Public long term	<u>68.7</u>	<u>151.3</u>	<u>195.0</u>	<u>174.2</u>
Short term	<u>-27.9</u>	<u>-39.4</u>	<u>-29.7</u>	<u>-12.5</u>
Net errors and omissions	<u>-35.2</u>	<u>42.8</u>	<u>8.2</u>	<u>40.1</u>
SDR allocations	<u>--</u>	<u>9.5</u>	<u>10.0</u>	<u>10.0</u>
Revaluation of reserves	<u>--</u>	<u>--</u>	<u>--</u>	<u>58.5</u> <u>5/</u>
Overall balance	<u>-260.5</u>	<u>-94.7</u>	<u>-81.0</u>	<u>-122.2</u>
Net monetary movements <u>6/</u>	<u>260.5</u>	<u>94.7</u>	<u>81.0</u>	<u>122.2</u>

Sources: National Bank of Ethiopia; and staff estimates.

1/ Data cover year ended July 7 where available, otherwise June 30.

2/ Includes Br 26.7 million of nonmonetary gold.

3/ See Appendix Table XLI for explanation of adjustments made to customs data.

4/ "Other government service payments" reclassified from "other services" to "Government, n.i.e.".

5/ A profit of Br 48.8 million from the sale of 48,430 ounces of gold plus a revaluation gain of Br 9.7 million.

6/ Increase in net assets denoted by minus sign.

in the four-year period ended 1980/81 noncoffee export receipts have doubled due to the strong efforts made by the authorities to diversify the export base. Despite an 8 per cent increase in the import price index, the import bill in 1980/81 was equivalent to that of 1979/80. A decline in real imports was achieved by running down stocks. The composition of import payments did not alter significantly, although there was a slight shift toward consumer goods and away from semifinished goods. The single largest contributor to the increase in the import bill in the period since 1976/77 has been the fuel component, which in 1980/81 accounted for 45 per cent of export earnings as compared with 23.6 per cent in 1977/78. The developments in exports and imports resulted in a trade deficit of Br 623.2 million in 1980/81, an amount 28 per cent larger than in 1979/80 but well within the stand-by program target of Br 768.2 million. Due mainly to the increased earnings of the Ethiopian airline and shipping companies and to a larger inflow of bank and commission charges, the net services account showed an improvement of 26 per cent. This latter gain, together with an almost Br 10 million larger inflow of private transfers, partially offset the increase in the trade deficit, and resulted in a current account deficit of just over Br 500 million. Although the current account deficit widened by 28.8 per cent relative to 1979/80, it was Br 171.5 million less than anticipated under the program. It should be noted, however, that the smaller than programed current account deficit entailed a decline in overall import volume.

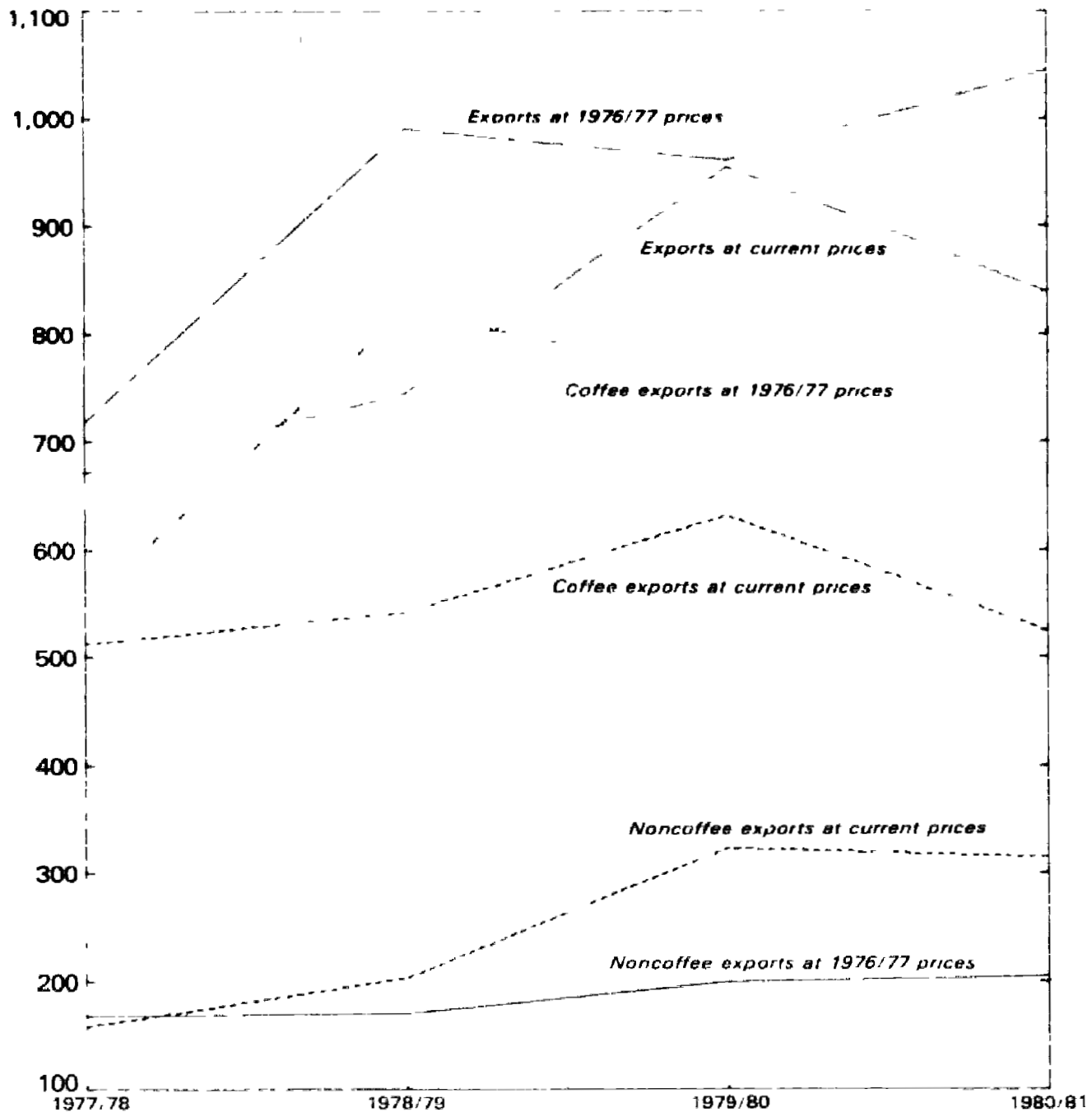
Public transfers declined by Br 16 million in 1980/81, due to the withdrawal of some traditional donors. Public long-term capital, too, declined by Br 20 million; this figure is somewhat misleading, as 1979/80 capital inflows include an IMF Trust Fund loan of Br 37.2 million. Profits of Br 48.8 million were recorded on gold sales of 48,430 ounces. Net errors and omissions were relatively large at Br 40.1 million, but it is anticipated that, as export and capital flow figures in particular are revised, net errors and omissions will be reduced significantly. The above-recounted developments resulted in an overall payments deficit of Br 122.2 million, which compares with a deficit of Br 81.0 million in 1979/80 and a program deficit of Br 303.4 million. As a result of this fourth successive deficit in the overall balance of payments, Ethiopia's net foreign assets at end-June 1981 were equivalent to an import cover of barely two months of 1980/81 import.

2. Merchandise trade

a. Exports

In the four-year period ended 1980/81 coffee export earnings played a dominant role in exports, accounting for, on average, 69 per cent of Ethiopia's export earnings. However, reflecting in part Ethiopia's export diversification program, the export receipts from coffee declined from 76 per cent of total export earnings in 1977/78 to 62 per cent in 1980/81 (Chart 12 and Appendix Table XXXIX).

CHART 12
ETHIOPIA
MERCHANDISE EXPORTS f.o.b., 1977/78-1980/81
(In millions of birr)



Ethiopian coffee is transacted internally a number of times before it is shipped abroad. Exportable coffee is brought from producing regions to auction markets by private traders, and in some instances by coffee producers themselves, to be certified for exportation by agents of the Ministry of Coffee and Tea Development and to be auctioned off to exporters in Addis Ababa and Dire Dawa.

The volume of coffee exported in 1980/81, 88.4 thousand metric tons, was 10.4 per cent more than that exported in 1979/80; although the 1980/81 volume represented only a 2.4 per cent improvement over the volume of 1978/79, it was fully double that of 1976/77 and 50 per cent greater than that of 1977/78. ^{1/} The recent dramatic improvements in the volume of coffee exports resulted primarily from the following factors: (i) the resumption in mid-1978 of normal rail service to Djibouti; (ii) the replacement by the Government, on August 15, 1977, of the artificially high quotations for Brazilian coffee with the International Coffee Organization's composite price as the surtax reference price, thereby reducing effective taxation per unit substantially; and (iii) intensified efforts under the development campaigns to improve harvesting and crop handling and to reduce unofficial sales. These actions encouraged a significant increase in coffee arrivals for auction late in fiscal 1977/78, with the overall result that coffee earnings in 1977/78 were 25 per cent higher than those in 1976/77, a year in which coffee prices were at their peak. The momentum in the volume of coffee exports achieved late in fiscal 1977/78 was maintained in 1978/79, with the result that, despite a 29 per cent decline in the export unit value of coffee, coffee earnings increased by 6 per cent relative to 1977/78. The export unit value of coffee rebounded by 25.7 per cent in 1979/80, but widespread drought and adverse weather conditions, particularly in the Sidamo and Kaffa regions, were instrumental in causing a 7.2 per cent decline in the volume of coffee exports; nevertheless, coffee export receipts improved by 16.6 per cent. The export unit value of coffee fell by 24.8 per cent in 1980/81. However, due to intensified efforts to improve harvesting techniques and to the fact that when, toward the end of the fiscal year world coffee prices improved, export sales were made from existing stocks, total coffee export tonnage improved by 10.4 per cent. Thus, with volume increases, the decrease (of 17 per cent) in coffee receipts was less than the decline in the world price.

The increased export volumes notwithstanding, the coffee sector, where 98 per cent of output stems from peasant-owned small land holdings, is hampered by: (i) a somewhat backward technology; (ii) a continuing drought; (iii) coffee-berry disease; and (iv) a low world price, which has resulted in producer prices equivalent to about half those obtainable in the unofficial domestic market. To counter these problems, and hence to improve export volumes, various steps have been taken and others are being considered with a view to possible implementation. Extensive extension services, financed

^{1/} The coffee year runs from October 1 to September 30 with peak export months being February through June. The export statistics presented in this discussion are, however, on a fiscal year basis (July-June) unless otherwise noted (Appendix Table XL).

in part by the European Economic Community, are now being provided in 17 coffee growing regions. Farmers, too, are being encouraged to rejuvenate their plantations, and the structure of the coffee surtax schedule is being studied with a view to its alteration so as to allow a higher producer price for a given world market price. A widespread spraying program is also in operation to combat coffee berry disease. Moreover, a variety of coffee has recently been developed which is resistant to coffee berry disease, and it is with that variety that the new plantings, of 5 to 7 thousand hectares, on state farms are being seeded. These new plantings are expected to yield an additional two thousand metric tons for export in the short run and up to ten thousand metric tons within ten years. Further, because it fetches a higher price on the world market, emphasis is now being given to increasing the exports of washed coffee. Under the recently completed first phase of the Coffee Improvement Project, coffee washing capacity was expanded to approximately 16 thousand metric tons per annum, which, aided by an increase in the local premium paid for washed coffee from Br 1,000 per ton to Br 1,146 per ton, has in the past year (1981/82) increased the volume of washed coffee exports to 11 to 12 thousand metric tons. Plans for a further expansion, Phase II, of coffee washing facilities are now complete, and it is hoped that discussions regarding implementation will soon commence with the IBRD; upon complete implementation, coffee-washing capacity should approximate 30 thousand metric tons per annum, which, if utilized, will significantly increase the value of coffee exports.

The value of noncoffee exports grew by 29 per cent in 1978/79 and by 59 per cent in 1979/80. Although the export volumes of pulses, oilseeds, and hides and skins declined in 1978/79, the export volume of petroleum products (mainly residual fuel oil) rose, and, with the exception of oilseed cake, export unit values of all products improved (particularly for oilseeds and hides and skins), with the result that total noncoffee export earnings increased significantly. In 1979/80 the sharp growth in noncoffee export receipts was due largely to increases of 114 per cent, 42 per cent, and 11 per cent, respectively, in the unit values of petroleum products, hides and skins, and pulses, as the export volume of the first two products fell somewhat. Export volumes of pulses and oilseeds increased, however, due largely to producing areas previously affected by hostilities being brought back into production and to the export diversification drive of the second development campaign.

In 1980/81 the value of noncoffee exports declined by 2.5 per cent, although there was an increase of 2.5 per cent in the total volume of noncoffee exports. This increase in volume was due entirely to a 14 per cent increase in the export volume of petroleum products and a 204 per cent increase in the export of cotton. With respect to the latter crop, the state farms, particularly those along the Awash Valley, have shifted resources toward cotton, in the production of which Ethiopia has a comparative advantage, and, although official policy with regard to cotton is such as to ensure supplies for the domestic market, an effort is being made to increase cotton exports. Both the export volume and unit price of hides and skins declined in 1980/81, by 16 per cent and 20.5 per cent, respectively.

This was due in part to the relatively weak demand conditions in Western Europe, Ethiopia's principal market for hides and skins, but also because increased efforts to export processed hides and skins, which have a large value-added content, have not yet succeeded in penetrating export markets on a large scale

In 1980/81 the export volume of Ethiopia's major noncoffee and largely privately cultivated cash crops (pulses, oilseeds, and oilseed cake) showed a combined decline of 12 per cent despite an average price increase of 30 per cent. The export volumes of these products are, moreover, still well below levels achieved in earlier years, despite the fact that on average their export unit values and local producer prices, which are free to follow world prices, have increased by 83 per cent since 1976/77. Adverse weather conditions, an insufficiency of support services, and a shift in relative prices in favor of cereal crops serve as a partial explanation. The nature of the post-revolution land reform has, however, also played a role. Under the previous system cash crops were grown, in part, to meet tax and rent payment obligations. Under the new system the former have been reduced and the latter eliminated, with the result that the marketed surplus of production over farm subsistence consumption has decreased. As the farms are maintained chiefly for subsistence purposes, the increased real incomes have resulted in some reduction in the output of cash crops. As the majority of farmers follow traditional cultivation and crop rotation practices and tend to limit their efforts to satisfying only their minimum cash requirements, price responsiveness may not be very elastic. With the aim, therefore, of increasing the export volume of cash crops, the new development campaigns have put emphasis on the following policies: (a) farmers in the peasant sector are to be encouraged to form cooperatives, through which extension services and credit are to be made available to them and by which it is hoped to increase their responsiveness to changing market and improved technological conditions; (b) the cooperatives are to be supported by an improved marketing and distribution network; and (c) the production of cash crops is to be promoted on the state farms.

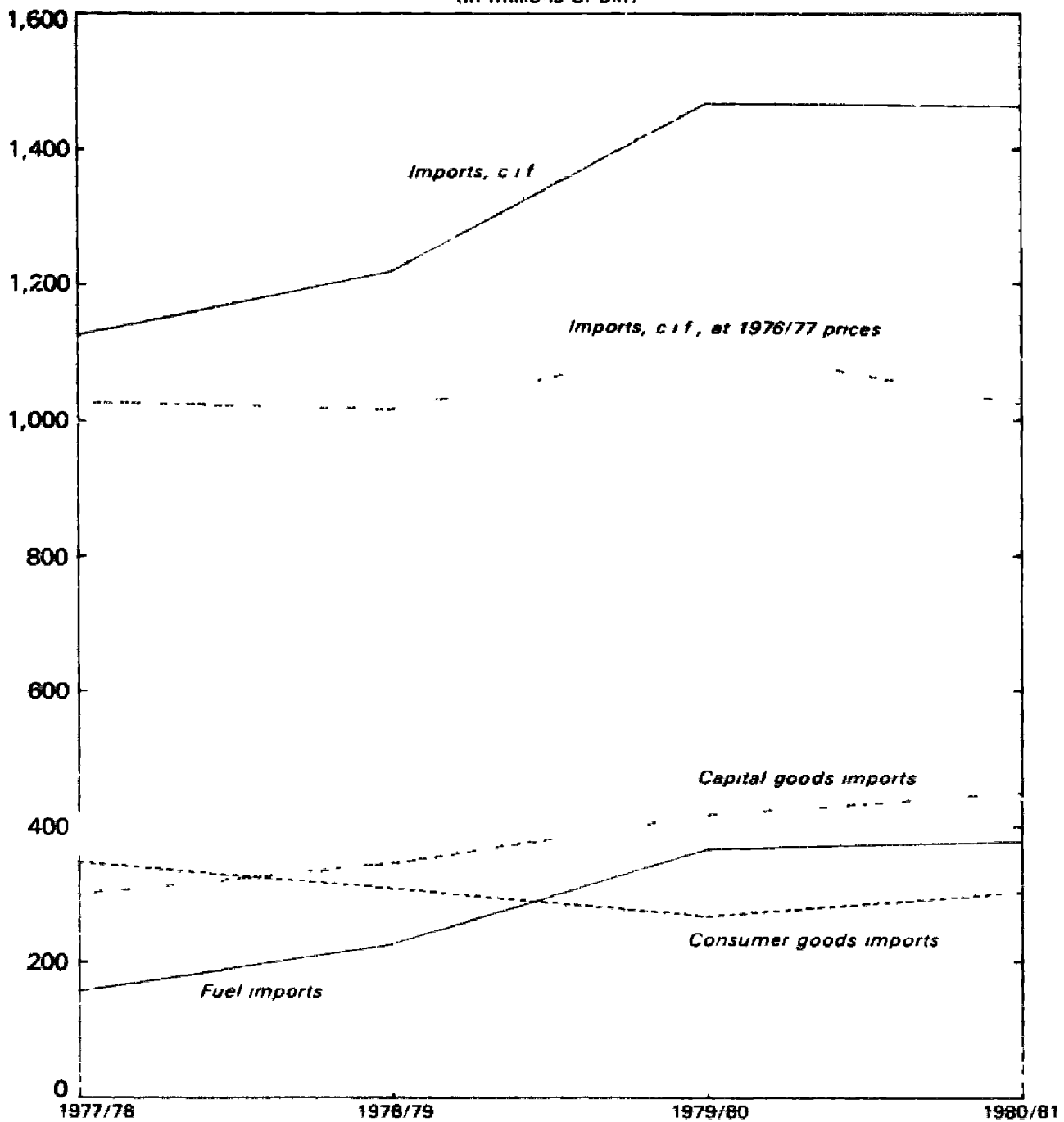
As part of the transition to a centrally planned economy, the role of the public sector in foreign trade has expanded. The Ministry of Coffee and Tea Development is increasing its coffee exports and is expected to account for between 40 and 50 per cent of the total in the near future. As a means of reducing coffee diversion to the domestic market, the Ministry is authorized to purchase "reject" coffee, which previously was returned to the suppliers, and to reprocess it for export. The role of the Agricultural Marketing Corporation (AMC) in foreign trade has also grown. In addition to importing grain, the AMC has expanded its export activities in pulses, oilseeds, and other agricultural commodities; its share of the export market is, however, still small. The Ethiopian Hides and Skins Corporation, within the Ministry of Foreign Trade, has been created to promote the export of hides and skins, and it is further hoped that its activities will increase the utilization of the tannery plants, which currently operate at about 50 per cent of capacity.

b. Imports

In the three-year period ended 1980/81 Ethiopia's c.i.f. value of imports grew from Br 1,125.9 million to Br 1,462.9 million, or at an annual average rate of 9.1 per cent (Chart 13 and Appendix Table XLI). During this period, however, the (Paasche) index of import prices rose by 30.6 per cent, or at an annual average (compound) rate of 9.3 per cent. Thus, in the three-year period ended June 1981 real imports actually declined, albeit by only 0.5 per cent. Import volume also showed significant annual fluctuations. After showing a modest decline of barely 1 per cent in 1978/79, real imports grew by 9 per cent in 1979/80, as the import requirements of the development effort increased; in 1978/79 these latter needs had been partially satisfied by the use of excess stocks, which the National Bank of Ethiopia monitors carefully before issuing exchange licenses for imports. In 1980/ the nominal value of imports declined by 0.5 per cent, while the volume of imports fell by 7.5 per cent. In the first half of fiscal 1980/81 export receipts and net capital inflows lagged seriously behind those of previous years, with the result that by end-December 1980 net foreign assets had declined to cover barely one month of imports, a level which, for precautionary balances, the National Bank of Ethiopia considered insufficient. It consequently, for a period of about three months, issued exchange licenses only for the importation of those goods deemed absolutely essential. During this period the import needs were again met by a depletion of existing stocks. In order to rebuild these stocks and to satisfy the growth requirements of the economy, it is anticipated that real imports will grow by approximately 10 per cent in 1981/82.

As Chart 13 demonstrates, the structure of Ethiopia's imports by end use has changed significantly in the past four years. As a result of drought conditions and the consequent need to import cereals, 31 per cent of import expenditure in 1977/78 was devoted to consumer goods. In 1978/79, however, consumer goods imports declined to 25 per cent of the value of total imports, and in 1979/80 the percentage dropped to 19.5 per cent. Although the percentage share increased marginally to 20.7 per cent in 1980/81, consumer goods imports were kept to the barest minimum and were, in absolute terms, almost Br 50 million below their level of 1977/78. During the three-year period ended June 1981 there was, in fact, an almost 50 per cent real reduction in the importation of consumer goods. This decline reflects (a) the improved food harvests, and (b) the deliberate policy of giving priority (once basic food needs are satisfied) to the allocation of foreign exchange for the development effort. The latter is reflected in the growth of capital imports (from 27 per cent in 1977/78 to just under 31 per cent in 1980/81) as a percentage of the total import bill. Growth has been noticeable in the importation of capital goods for both the transport and industrial sectors; in the former sector, the value of capital goods imports used to improve Ethiopia's distribution network grew at an annual average compound rate of 23 per cent in the three-year period ended in 1980/81; in the latter sector, with extensive efforts being made to rehabilitate the industrial capacity, capital goods imports have, in the past four years, grown at an average rate of 19 per cent per

CHART 13
ETHIOPIA
MERCHANDISE IMPORTS, c.i.f., 1977/78-1980/81
(In millions of birr)



annum. Agricultural capital goods imports, after having been relatively stable for a number of years, grew from Br 13.7 million in 1978/79 to Br 63.9 million in 1979/80, reflecting the efforts of the development campaign to reduce Ethiopia's need for food imports and to increase the cultivation of agricultural crops for export. These imports declined to Br 26.9 million in 1980/81; the reduction reflects, under the pressure of the foreign exchange constraint, both a depletion of stocks and the completion, in late 1979/80, of several agricultural infrastructure projects; it also reflects a greater reliance on domestic resources for the development of the agricultural base. In line with the efforts to expand the industrial base of Ethiopia, the combined imported value of raw materials and semifinished goods has grown at an annual rate of 21 per cent since 1977/78.

Ethiopia's volume of crude oil imports (Appendix Table XI II) in the past four years has grown apace with the real economy, at an average rate of 3 per cent per annum. Reflecting, however, the increase in world petroleum prices, the fuel bill (Appendix Table XLIII) has increased by 138 per cent since 1977/78; the largest increase came in 1979/80, and, together with an 11 per cent increase in the volume of fuel imports, resulted in a 62 per cent rise in the cost of fuel imports. The increased burden of fuel oil imports is reflected by the fact that, whereas fuel imports accounted for 23.6 per cent of export earnings in 1977/78, this percentage had risen to 45 per cent in 1980/81.

c. Direction of trade

Ethiopia's most important trading partners have traditionally been the United States, the European Economic Community, Saudi Arabia, and Japan. In recent years, however, Ethiopia has increased its trade with Eastern European countries. As Appendix Table XLV shows, the share of Ethiopia's imports from the East European bloc grew from 6.5 per cent in 1977 to almost 27 per cent in 1980 (the latest year for which detailed data are available). This growth was associated mainly with imports from the U.S.S.R., from which Ethiopia purchases crude oil at a discount of 10 per cent from the prevailing world price. Although it showed virtually no growth in the four-year period 1977 to 1980 (Appendix Table XLIV), the share of Ethiopia's exports going to Eastern European countries grew from 2.4 per cent in 1975 to 16.6 per cent in 1980. In 1977, 1978, and 1979 Ethiopia recorded a trade surplus with the Eastern European countries; however, with oil imports from the U.S.S.R., Ethiopia sustained a trade deficit of Br 256.9 million with the Eastern European bloc in 1980.

In 1980 30.8 per cent of Ethiopian exports went to the EEC countries, 18.2 per cent to the United States--down from 28.5 per cent in 1979--17.1 per cent to Asia, and 13.4 per cent to Africa, with almost all of the latter going to Djibouti. Of the Middle Eastern and Asian countries, Saudi Arabia with 7.6 per cent of the total value of exports, and Japan with 6.4 per cent, were the most important. Italy with 10.1 per cent, and the Federal Republic of Germany with 8.5 per cent, were the major European purchasers of Ethiopian exports. About one third of Ethiopian coffee exports

go to the United States; other important buyers are Saudi Arabia, Japan, Switzerland, and, more recently, the German Democratic Republic. The EEC and Spain are the prominent purchasers of hides and skins, and the EEC, Saudi Arabia, and Japan are the main export destinations for Ethiopian pulses. In 1980 the EEC, the Middle East, and Asia together supplied, in value terms, about 54 per cent of Ethiopia's imports, down from almost 70 per cent in 1979; the decline was entirely due to the reduced importance of Kuwait as a supplier of crude oil. The major EEC and Asian import suppliers were, as in the past, Italy, the Federal Republic of Germany, and Japan. The Western Hemisphere nations accounted for almost 8.3 per cent of Ethiopia's imports, with the major share (7.7 per cent) coming from the United States. As a result of this distribution of exports and imports, in 1980 Ethiopia ran a trade surplus with the United States, the nations of Europe other than the EEC and the Eastern bloc, and with Africa; it ran a trade deficit with the EEC, the Eastern European bloc, and Asia.

3. Services and transfers

The services account has traditionally shown a surplus, due mainly to transportation, government, and "other services" receipts (Appendix Table XLIV). The net services receipts, after growing only modestly by 6.3 per cent, in 1978/79, grew by 29.8 per cent in 1979/80 and by a further 26.3 per cent in 1980/81 to record surpluses, in the latter years, of Br 56.6 million and Br 71.5 million, respectively. In 1979/80 the increase of net service earnings resulted mainly from the higher interest earned by the National Bank of Ethiopia on its foreign balances and from the improved earnings of Ethiopian Airlines. The improvement in net service receipts in 1980/81 resulted in the main from (i) the continued rise in the earnings of Ethiopian Airlines, (ii) larger earnings from activities of the Ethiopian Shipping Line, (iii) a greater volume of receipts from bank charges and commissions, and (iv) an improvement in the foreign grant receipts (not specified by donor) and classified under "other services."

Net transfer receipts grew by 24 per cent in 1980/81 after having declined by 14 per cent in 1979/80. The growth resulted in part from an increase in donations to missionary and other institutions and in part from increased aid to the Relief and Rehabilitation Commission. Official transfers (from foreign governments and international agencies), after having increased steadily to reach a level of Br 124.0 million in 1979/80, declined to Br 108 million in 1980/81. This 13 per cent decline was due to (i) the withdrawal of some traditional donors, (ii) a partial slowdown, under the pressure of the foreign exchange constraint, in the implementation of investment projects in the third quarter of fiscal 1980/81, and (iii) a shift toward nondonor-specific grants, which, as noted above, are classified under "other services."

4. Capital account and external debt

Net long-term capital inflows, which had increased from Br 151.3 million in 1978/79 to Br 199.2 million in 1979/80, declined to Br 174.2 million in 1980/81 but were nevertheless still somewhat in excess of one-

and a half times the level in 1977/78 (Appendix Table XLVII). The decline in net capital inflows in 1980/81 is somewhat misleading, in that the net flow of 1979/80 was inclusive of a Br 37.2 million Trust Fund loan, whereas the 1980/81 flow contained only Br 3.8 million of Trust Fund disbursements. As such, therefore, nonextraordinary net inflows increased in 1980/81. The rather dramatic three-year increase in net long-term capital inflows reflected an improvement of security conditions which both expedited the completion of previous ongoing development projects and allowed, under Ethiopia's first three development campaigns, the implementation of new public sector development projects.

In 1979/80 external public debt disbursements rose by 27.8 per cent relative to 1978/79 (Appendix Table XLVIII). The major recipients of funds were the agricultural sector (Br 52.6 million), road construction (Br 45.3 million), and the transportation sector (Br 49.3 million). IBRD credits (Br 72.9 million) and the IMF Trust Fund (Br 37.2 million) together accounted for 47 per cent of external financing in 1979/80. The United States (Br 54.8 million) was the single largest bilateral contributor, with the German Democratic Republic (Br 15 million), the Federal Republic of Germany (Br 14.6 million), and the U.S.S.R. (Br 12.8 million) comprising the three other major sources of bilateral financing.

In 1980/81 external public debt disbursements declined by Br 22 million. As in 1979/80, the major recipients of debt disbursements were the agricultural sector (Br 26.4 million), road construction (Br 71.6 million), and transportation (Br 30.7 million), reflecting the continued efforts, under the third development campaign, to diversify the agricultural base and to improve infrastructure. Loan disbursements to the industrial sector in 1980/81 were larger than they had been in the previous three years combined, as efforts were increased to rehabilitate and modernize the country's industrial capacity. The World Bank Group, with a disbursement of Br 66.2 million, continued to be the principal multilateral lender, with the African Development Bank (Br 10.4 million) the next major source of multilateral finance. The largest source of bilateral financing was the U.S.S.R. (Br 28.3 million), and the other major bilateral sources were Czechoslovakia (Br 22.0 million), Canada (Br 20.0 million), and the German Democratic Republic (Br 15.6 million).

Total external public debt disbursed and outstanding, after increasing by 17.7 per cent in the year ended June 1980, increased by 6 per cent in fiscal 1980/81 to Br 1,496.6 million, or 17.1 per cent of GDP (Appendix Tables XLIX-XL). The World Bank Group, with outstanding loans of Br 691.4 million (46 per cent of the total), is the holder of the largest amount of Ethiopia's multilateral debt. The United States is Ethiopia's single largest bilateral creditor, with Br 280.6 million of outstanding loans; the Federal Republic of Germany, the U.S.S.R., and the People's Republic of China have in the past years been Ethiopia's other major sources of bilateral loans. As has been the pattern in the recent past, the level of undisbursed debt in June 1981 was only marginally below the level of disbursed external debt. Bilaterals are the largest (69.3 per cent of the total) sources of as yet undisbursed debt, with the U.S.S.R. holding the single largest commitment (Br 408.2 million).

Ethiopia's debt service ratio has averaged 6 per cent during 1977/78-1980/81 (Appendix Table LI), reflecting the highly concessionary terms on which most of the debt has been contracted. As Appendix Table LIII shows, during 1977/78-1980/81 the average interest rate on foreign loans contracted by the Central Government was generally less than 2 per cent, the average grace period varied between 3 and 8 years, and the average maturity period was between 24 and 39 years (except in 1979/80, when it was about 15 years).

In 1981/82 drawings on foreign loans are expected to increase markedly (Appendix Table XLIX), as there is a sizable pipeline of undisbursed loans and because a new loan of US\$150 million has already been obtained from Libya. This loan carries an interest rate of 3 per cent and is to be amortized over 30 years after a 10-year grace period. Although new external debt commitments by the Central Government are still being contracted on highly concessionary terms, Ethiopia has recently had some recourse to suppliers' and commercial bank credits (Appendix Table LII). These credits totaled just in excess of Br 300 million at end-December 1981. The terms of the credits vary widely, but in general they are to be amortized, with no grace period, over less than 10 years and at interest rates ranging from 3 per cent to 1.875 per cent above the London Interbank Rate. Partly as a result of this, total external public debt service payments are expected to increase by 50 per cent to Br 105.1 million in 1981/82 and by a further 12 per cent to Br 117.5 million in 1982/83. Concerted efforts are now being made to centralize all information regarding the use of suppliers' credits within the Ministry of Finance so as to keep close track of developments in the debt service burden. In any case, it is not expected that the debt service ratio (excluding Fund repurchases and charges) will exceed 10 per cent in the foreseeable future. In 1981/82 Fund charges of Br 16.7 million become a factor for the first time, and in 1982/83 Fund charges plus repurchases are expected to be almost Br 50 million.

5. External reserves

The National Bank of Ethiopia has generally held a high percentage (62 per cent, on average, in the last five years) of the foreign assets (excluding bilateral assets) of the banking system and has wide discretionary powers over the Commercial Bank of Ethiopia's holdings, since the banking system is unified under one board of directors. The NBE's short-term foreign liabilities through June 1979 were almost negligible; they have increased substantially since then, due almost entirely to drawings of SDR 54 million under the compensatory financing facility and the drawings under the current stand-by arrangement with the Fund. The foreign liabilities of the Commercial Bank of Ethiopia are small relative to its foreign assets (Appendix Table XXXVII).

Reflecting the successive balance of payments surpluses through fiscal year 1976/77, the net foreign assets of the banking system had risen to Br 807.9 million in June 1977, equivalent to almost 11 months of 1976/77 imports. Since that date, four years of overall balance of payments deficits have reduced the net foreign assets of the banking system to Br 249.4

million as of June 1981, equivalent to just over two months of imports at the 1980/81 level. However, by December 1981 net foreign assets had recovered to Br 346.7 million, equivalent to 2.39 months of anticipated 1981/82 imports.

V. Exchange and Trade System

Ethiopia's exchange control regulations were consolidated into a comprehensive set of regulations on January 5, 1977, designed to make existing practices explicit. The new regulations entailed a number of minor modifications, but the exchange control system was left as liberal as before in most respects. At the same time, the spreads between buying and selling exchange rates for currencies other than the U.S. dollar were reduced from about 5 per cent to, effectively, 3 per cent; the de facto spread for the U.S. dollar remained at 3 per cent. In the period between the consultation discussions of April 1977 and those of May 1979, the authorities resorted to some tightening of exchange controls on current payments in response to rapidly declining reserves. In early 1978 the granting of foreign exchange was denied for the importation of some food-stuffs, alcoholic beverages, and other consumer goods. In mid-1978 the National Bank began granting foreign exchange licenses only for essential or scarce commodities. Since May 1979 there have been two consultation discussions, in November 1980 and February 1982, and, although net foreign assets have continued to decline, to cover just in excess of two months of imports in December 1981, no new exchange and trade control regulations have been introduced.

A detailed description of Ethiopia's exchange arrangements and restrictive system is contained in the Annual Report on Exchange Arrangements and Exchange Restrictions, 1982; significant features are described below.

1. Exchange rate system

The currency of Ethiopia is the birr ("Ethiopian dollar" prior to September 1976), which is pegged to the U.S. dollar, the intervention currency, at the official rate of Br 2.07 = US\$1. Buying and selling rates for certain other currencies are also officially quoted, with daily quotations by the National Bank set on the basis of the official rate for the U.S. dollar and the previous day's closing rate of the currency concerned against the U.S. dollar in London. The National Bank does not deal with the public; its dealings in U.S. dollars with the authorized dealers take place at the official rate. Authorized dealers must observe the official rate for the U.S. dollar and prescribed commission charges, which accrue to the National Bank, of 0.50 per cent buying and 1.50 per cent selling. The National Bank, therefore, prescribes a spread of 2 per cent. While authorized dealers are under no obligation to levy service charges for their own account, in practice charges of 0.25 per cent buying and 0.75 per cent selling are usually levied; for currencies other than the U.S. dollar, the authorized dealers are permitted to include the margins charged them by correspondents abroad. These commissions and service charges

are also applied to the National Bank's dealings with the Government and certain public sector entities. The levies on transactions with the public result, when fully applied, in a spread of approximately 3 per cent between buying and selling rates for all currencies quoted. There are no taxes or subsidies on purchases or sales of foreign exchange.

Ethiopia's trade-weighted nominal effective exchange rate appreciated by 3 per cent in the six-year period ended December 1981; this appreciation reflects the 10 per cent appreciation which took place in the twelve-month period ending in December 1981. Between January 1975 and December 1981, and based on changes in the Addis Ababa retail price index, Ethiopia's trade-weighted real effective exchange rate appreciated against the currencies of Ethiopia's Fund-member trading partners by 29.1 per cent (Chart 14 and Appendix Table LIV). In real terms, the effective appreciation was 32.9 per cent on an export-weighted basis and 26.8 per cent on an import-weighted basis (Chart 15). It should be noted, with respect to movements in Ethiopia's real effective exchange rate, that (a) the Addis Ababa retail price index inadequately reflects cost pressures in Ethiopia; and (b) a significant portion of Ethiopia's trade is conducted with Eastern European countries.

2. Administration of control

All transactions in foreign exchange must be carried out through authorized dealers (such as authorized banks and major hotels) under the control of the National Bank. All payments abroad require licenses issued by the Exchange Controller, whose office is a division of the National Bank. All exports are licensed by the Exchange Controller to ensure the surrender of foreign exchange proceeds, and shipments require permits issued by that office. The Ministry of Foreign Trade has the statutory authority to approve, and thereby regulate, foreign trade activities; this statutory authority does not extend, however, to the exportation of coffee (which is under the purview of the Ministry of Coffee and Tea Development) or the importation of crude oil (which is the responsibility of the Ethiopian Petroleum Corporation). ^{1/}

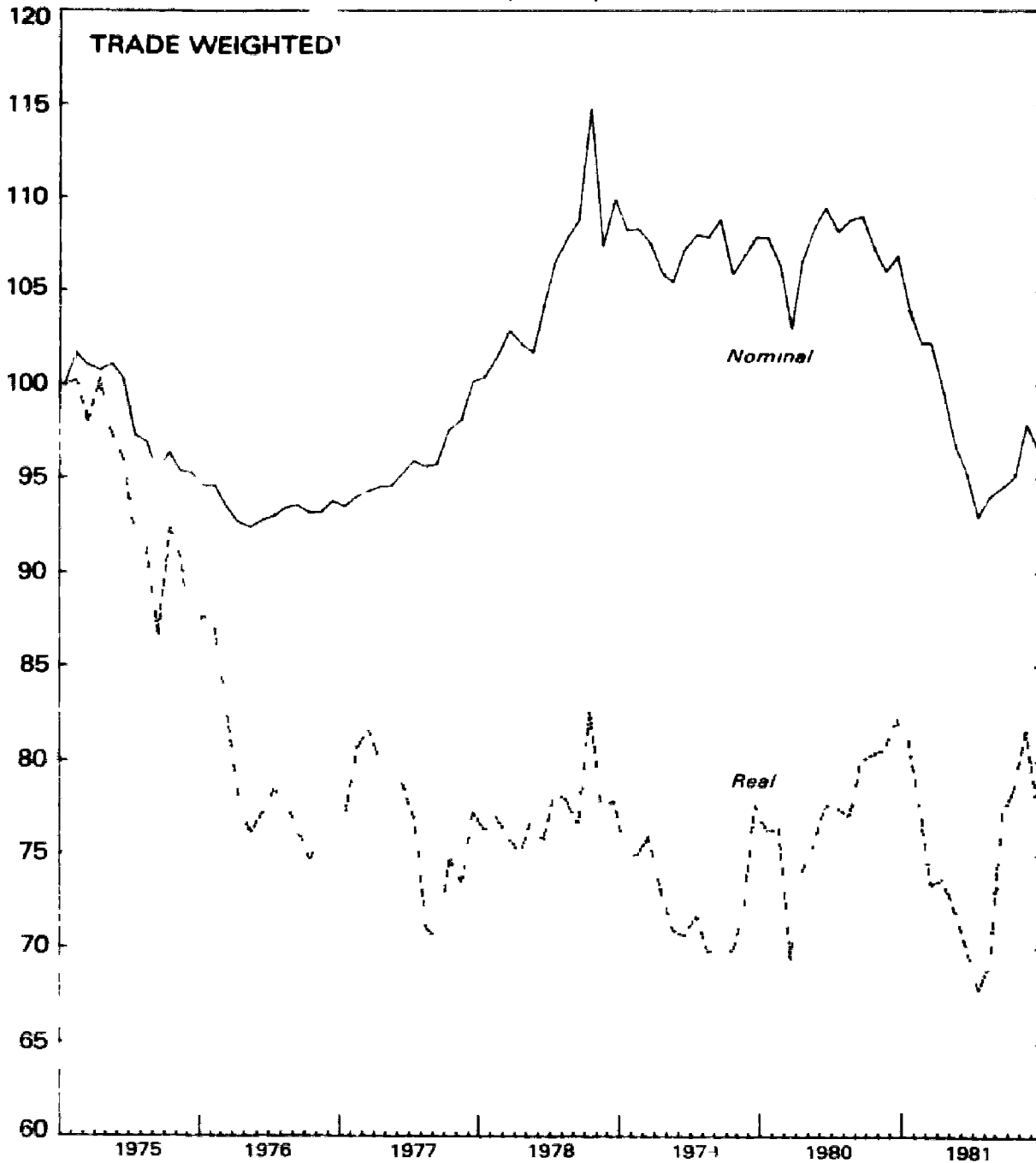
3. Prescription of currency

Outgoing payments are normally made in convertible foreign exchange appropriate to the country of the recipient or in U.S. dollars. The net proceeds of exports must be received in a foreign currency that is freely convertible, or in any other acceptable foreign currency. Ethiopia has no bilateral payments arrangements.

^{1/} The former Ministry of Commerce and Tourism was reorganized into a Ministry of Foreign Trade, a Ministry of Domestic Trade, and a Tourism and Hotels Commission in May 1979.

CHART 14
ETHIOPIA
NOMINAL AND REAL EFFECTIVE EXCHANGE RATES,
Jan. 1975-Dec. 1981

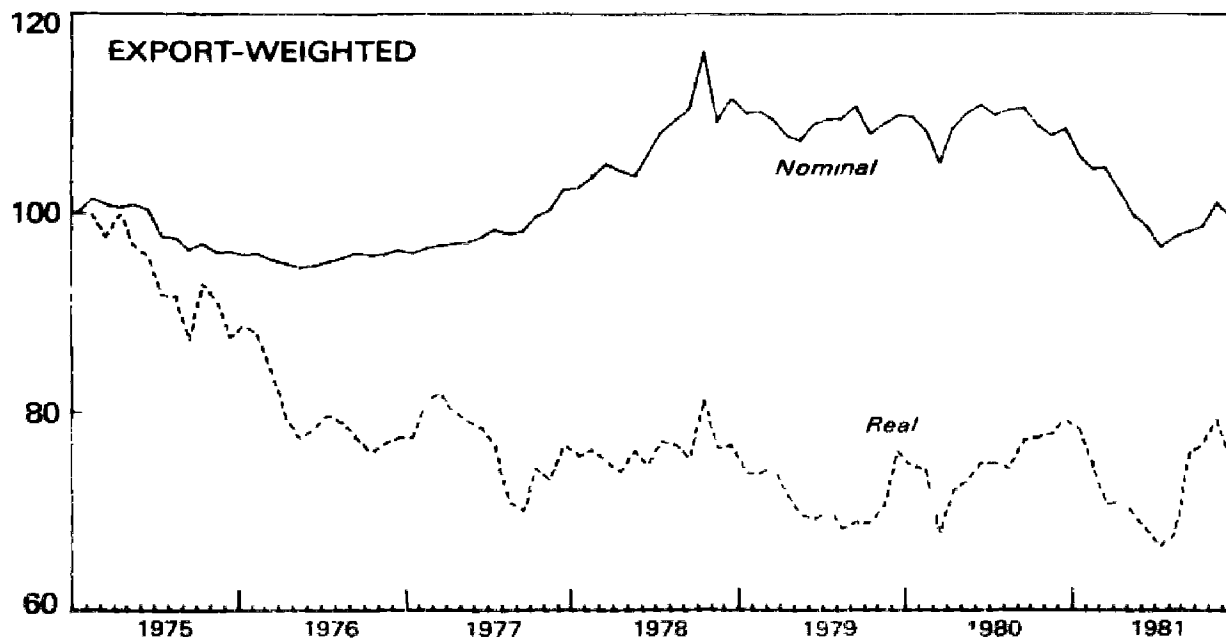
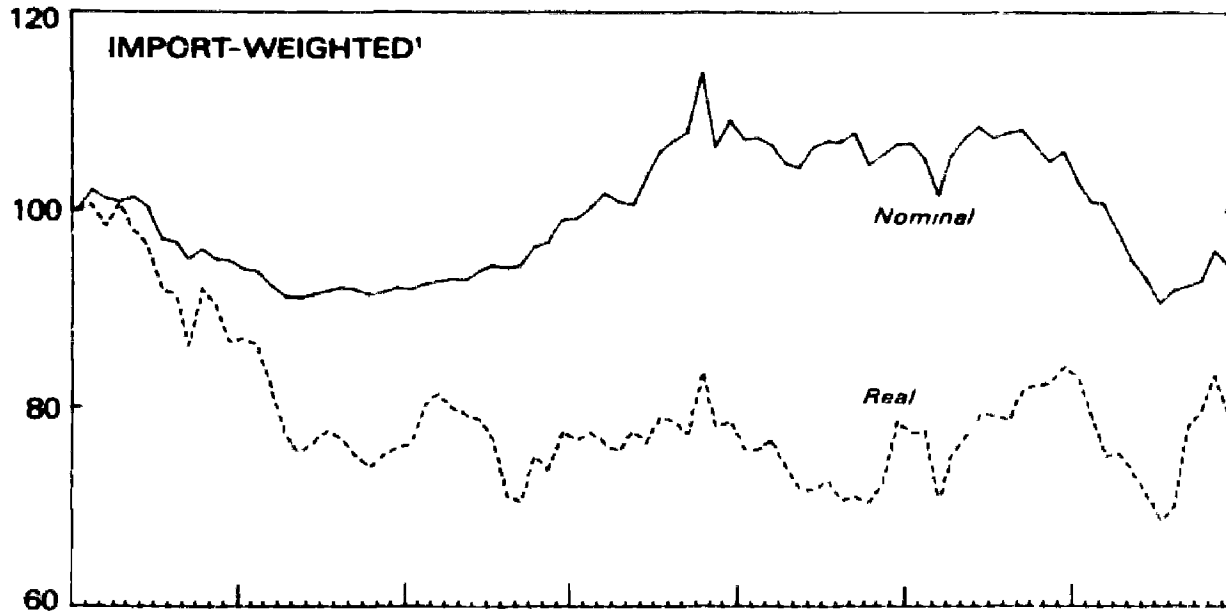
(Biri/basket, January 1975 = 100)



¹Upward (downward) movements signify depreciation (appreciation).

CHART 15
ETHIOPIA
NOMINAL AND REAL EFFECTIVE EXCHANGE RATES,
Jan. 1975-Dec. 1981

(Birr/basket, January 1975=100)



¹ Upward (downward) movements signify depreciation (appreciation).

4. Nonresident accounts

Persons not permanently resident in Ethiopia may, subject to exchange control approval, open nonresident accounts either in birr or in foreign currencies at authorized banks. Balances on most nonresident accounts may be freely transferred abroad, and transfers between such accounts do not require prior approval. No resident Ethiopian national may maintain a bank account abroad. A Ministry of Foreign Affairs directive dated April 25, 1979 instructed members of diplomatic missions and international organizations residing in Addis Ababa to effect payments for all their local expenses in foreign exchange after May 15, 1979. To carry out this directive, members of the diplomatic community were required to open foreign currency accounts for payments to other nonresident accounts or abroad and a transferable birr account for payments of local expenses. These two accounts may be credited only with foreign exchange receipts from abroad, with payments from other transferable birr accounts, and with payments from Ethiopian residents effected under exchange control regulations. In addition, the directive instructed the members of the diplomatic community to open a nontransferable birr account to purchase items from shops to be opened in the near future for the international community in Addis Ababa. The nontransferable birr accounts are subject to the same commissions and service charges as other foreign exchange transactions.

Blocked accounts of nonresidents are maintained with authorized banks and are used to retain funds in excess of Br 20,000 arising from disinvestments in Ethiopia (see subsection 9 below).

5. Imports and import payments

Licenses for general product categories are granted by the Ministry of Foreign Trade. The licenses are granted for one year and are granted once the Ministry of Foreign Trade is satisfied (a) that the importer is financially viable; (b) that the product to be imported is consistent with Ethiopia's import needs; and (c) that the distribution of the product is not being hampered by unnecessary stockpiling. The import licenses are not restrictive in terms of quantity. Payments abroad for imports require exchange licenses, which are obtainable upon presentation of a valid import license. Approval of applications for exchange licenses is conditional upon the provision of satisfactory information on costs and payment terms and the submission of evidence that adequate insurance has been arranged with the Ethiopian Insurance Corporation, particularly for goods imported under letters of credit. As of December 1980, the National Bank of Ethiopia, before issuing exchange licenses, requires information as to the existing level of stocks available in Ethiopia of the commodities whose importation is being sought. The granting of foreign exchange was eliminated for the importation of some foodstuffs, alcoholic beverages, and other consumer goods on January 9, 1978. Within these categories of imports, on May 9, 1978 the granting of foreign exchange was also denied for an additional 16 imported goods. During 1977/78 the inland shipment of imported goods through the ports of Assab and Djibouti was adversely affected by hostilities, and substantial amounts of imports for which foreign exchange had

already been paid could not leave the ports. During this period the National Bank received requests for foreign exchange to import the same types of goods, and there was evidence that import requests were being submitted for speculative stockpiling, while at the same time measures were being taken to ease the congestion. Under these conditions, and faced with rapidly declining reserves, in June 1978 the authorities tightened the administration of the exchange controls introduced on January 9, 1978 and May 9, 1978 by granting exchange licenses only for essential or scarce goods. Since mid-1979 the transportation problem has eased, and the evidence suggests that speculative stockpiling has declined; as a result, the authorities have proceeded with a de facto easing of exchange controls, particularly with regard to foodstuffs. The measures of January 9, 1978 and May 9, 1978 remain de jure, however, and the National Bank retains the authority to withhold, for foreign exchange reasons, exchange licenses for which an import license had previously been granted. On September 19, 1977 the National Bank required that it be consulted regarding imports of nonessential goods on a cash-against-documents basis, and on July 22, 1978 it widened the regulation to apply to all imports on this basis so as to preclude misunderstandings.

For many years virtually no imports have been permitted on an acceptance basis. Importation on suppliers' credit is discouraged except for goods such as raw and intermediate materials, pharmaceuticals, and machinery and transport equipment, in which case prior approval of the terms and conditions of the credit is usually required.

All imports from South Africa are prohibited; the sanctions against imports from Zimbabwe were lifted on March 13, 1980.

6. Payments for invisibles

Payments for invisibles require exchange licenses. Invisibles connected with trade transactions are treated on the same basis as the goods to which they relate. There are limitations on the remittances that expatriates can make during the year and at the time of their departure. Subject to proper provision having been made for local taxation and to the presentation of the necessary documents, foreign companies may, in principle, remit dividends on their invested and reinvested capital in any currency. Persons traveling abroad are allowed foreign exchange equivalent to Br 125 a day for a maximum of 30 days in any one calendar year if the journey is made for business purposes, and up to the equivalent of Br 600 a year for tourism. Previously the annual foreign exchange entitlement for tourist travel could be accumulated for two years, but this prerogative was repealed on May 1, 1979.

7. Exports and export proceeds

All commodity exports require permits from the Exchange Controller and some require in addition the approval of specialized government agencies. When applying for a permit an exporter must specify the goods to be exported, the destination, and the value. For exports on a c.i.f. basis, exporters must obtain full insurance from the Ethiopian Insurance Corporation. The

granting of a permit by the Exchange Controller enables the goods to pass through customs. The licensing system is used to ensure that foreign exchange receipts are surrendered to the National Bank, generally within three months, and that export proceeds are received in an appropriate currency.

8. Proceeds from invisibles

Foreign exchange receipts from invisibles must be surrendered. Foreign exchange must be declared by travelers on entry, and its re-export is subject to authorization, except in the case of temporary visitors. Reconversion of birr must be supported by documentary evidence of prior conversion.

9. Capital

Controls over capital movements are designed to restrict outflows, to preclude an unwarranted accumulation of external debt, and to keep the authorities informed of the country's external debt position. All currency receipts must be surrendered. Exchange control authorization is required for inflows in cash and in kind, and registration with the exchange control authorities is required for repatriation. Recognized and registered foreign investments may in principle be terminated on presentation of documents regarding liquidation and payment of all taxes and other liabilities.

Claims for nationalized enterprises are handled by a Compensation Commission, which deals through the Ministry of Finance. The commission has established a procedure for the identification of and approach to compensation claim accounts. To date claims have been settled with an American firm, a German firm, and a Japanese firm. Currently negotiations are under way with a British group of companies, a Dutch firm, an Italian company, and an Israeli firm.

Since May 17, 1978 foreign businessmen having nonregistered investments may transfer their capital abroad on liquidation and final departure from Ethiopia subject to appropriate documentation, but may not transfer more than Br 20,000 in any one calendar year (Br 40,000 previously); funds in excess of this amount must be deposited in a blocked account with an authorized bank. Transfers by persons who are leaving on termination of employment contracts are limited to 40-50 per cent of the applicant's total net income.

Table I. Ethiopia: Gross Domestic Product by Sector
at Current Factor Cost, 1977/78-1981/82

(In millions of birr)

Fiscal Year Ended July 6 Ethiopian Fiscal Year	1977/78 1970	1978/79 1971	1979/80 1972	1980/81 <u>1/</u> 1973	1981/82 <u>2/</u> 1974
<u>Agricultural sector</u>	<u>3,467.5</u>	<u>3,656.4</u>	<u>3,871.9</u>	<u>4,024.0</u>	<u>4,212.7</u>
Agriculture	3,330.9	3,514.6	3,723.6	3,872.0	4,054.0
Forestry	131.7	136.9	143.4	147.1	153.8
Hunting and fishing	4.9	4.9	4.9	4.9	4.9
<u>Other commodity sectors</u>	<u>894.2</u>	<u>1,046.4</u>	<u>1,189.4</u>	<u>1,269.4</u>	<u>1,417.8</u>
Mining and quarrying	7.8	7.8	8.1	8.1	8.9
Manufacturing	360.8	471.9	533.5	578.6	622.0
Handicraft, small industry	275.3	286.4	296.5	306.9	317.8
Building and construction	211.0	229.4	295.9	316.9	407.4
Electricity and water	39.3	50.9	55.4	58.9	61.7
<u>Distribution services</u>	<u>893.7</u>	<u>1,075.7</u>	<u>1,167.3</u>	<u>1,248.7</u>	<u>1,320.2</u>
Trade, wholesale and retail	595.5	742.9	812.2	853.4	899.3
Transport and communication	298.2	332.8	355.1	395.1	420.9
<u>Other services</u>	<u>1,235.0</u>	<u>1,308.0</u>	<u>1,396.1</u>	<u>1,460.1</u>	<u>1,561.4</u>
Financial services <u>3/</u>	162.9	202.3	244.5	261.1	282.2
Public administration, defense	482.2	437.1	510.2	525.5	569.7
Social services	184.1	201.0	212.2	231.8	254.4
Dwellings and domestic services	259.3	262.9	267.5	274.3	280.2
Other services	146.5	154.7	161.7	167.4	174.9
<u>GDP at current factor cost</u>	<u>6,490.4</u>	<u>7,086.5</u>	<u>7,624.7</u>	<u>8,002.0</u>	<u>8,512.1</u>
<u>Memorandum items:</u>					
Tradable GDP <u>4/</u>	4,361.7	4,702.8	5,061.3	5,293.4	5,630.5
Nontradeable GDP	2,128.7	2,383.7	2,563.4	2,708.6	2,881.6
Nonagricultural GDP	3,022.9	3,430.1	3,752.8	3,978.0	4,299.4

Sources: Central Planning Supreme Council (CPSC); and staff projections.

1/ Provisional.

2/ Projections.

3/ Banking, insurance, and real estate.

4/ Consists of the agricultural and the other commodity sectors.

Table II. Ethiopia: Gross Domestic Product by Sector
at Constant 1960/61 Factor cost, 1977/78-1981/82

(In millions of birr)

Fiscal Year End July 6 Ethiopian Fiscal Year	1977/78 1970	1978/79 1971	1979/80 1972	1980/81 1973	1981/82 1974
<u>Agricultural sector</u>	<u>1,922.2</u>	<u>1,968.4</u>	<u>2,062.2</u>	<u>2,112.7</u>	<u>2,188.5</u>
Agriculture	1,808.1	1,852.3	1,943.0	1,990.6	2,063.5
Forestry	109.2	111.2	114.3	117.2	120.1
Hunting and fishing	4.9	4.9	4.9	4.9	4.9
<u>Other commodity sectors</u>	<u>583.1</u>	<u>653.0</u>	<u>721.0</u>	<u>748.9</u>	<u>807.2</u>
Mining and quarrying	6.3	6.3	6.5	6.5	7.1
Manufacturing	169.1	211.0	237.8	251.0	264.2
Handicraft, small industry	188.9	196.5	201.4	206.4	211.6
Building and construction	175.0	188.5	200.0	226.1	263.5
Electricity and water	43.8	50.7	55.3	58.9	60.8
<u>Distribution services</u>	<u>569.3</u>	<u>638.0</u>	<u>674.4</u>	<u>710.2</u>	<u>744.6</u>
Trade, wholesale and retail	302.3	348.4	365.4	376.4	390.8
Transport and communication	267.0	289.6	309.0	333.8	353.8
<u>Other services</u>	<u>934.7</u>	<u>958.1</u>	<u>998.8</u>	<u>1,032.1</u>	<u>1,070.7</u>
Financial services ^{3/}	92.8	99.4	109.4	116.8	125.0
Public administration, defense	366.5	370.2	383.9	391.6	403.4
Social services	123.8	130.8	140.8	151.8	164.1
Dwellings and domestic services	249.1	252.6	257.0	261.5	265.1
Other	102.5	105.1	107.7	110.4	113.1
<u>GDP at constant factor cost</u>	<u>4,009.3</u>	<u>4,217.5</u>	<u>4,456.4</u>	<u>4,603.9</u>	<u>4,811.0</u>
<u>Memorandum items:</u>					
Tradable GDP ^{4/}	2,505.3	2,621.4	2,783.2	2,881.6	2,995.7
Nontradable GDP	1,504.0	1,596.1	1,673.2	1,742.3	1,815.3
Nonagricultural GDP	2,087.1	2,249.1	2,394.2	2,491.2	2,622.5

Sources: Central Planning Supreme Council (CPSC); and staff projections.

^{1/} Provisional.

^{2/} Projections.

^{3/} Banking, insurance, and real estate.

^{4/} Consists of the agricultural and the other commodity sectors.

Table III. Ethiopia: Indices of Implicit GDP and Sectoral Deflators, 1977/78-1981/82
(1960/61 = 100)

Fiscal Year Ended July 6 Ethiopian Fiscal Year	1977/78 1970	1978/79 1971	1979/80 1972	1980/81 <u>1/</u> 1973	1981/82 <u>2/</u> 1974
Agriculture	184.2	189.7	191.6	194.5	196.5
Other commodity sectors	153.4	160.2	165.0	169.5	175.6
Manufacturing	(213.4)	(223.6)	(224.3)	(230.5)	(235.4)
Handicraft, small industry	(145.7)	(145.8)	(147.2)	(148.7)	(150.2)
Building and construction	(120.6)	(121.7)	(134.3)	(140.2)	(154.6)
Distribution services	157.0	168.6	173.1	175.8	177.3
Other services	132.1	136.5	139.8	141.5	145.8
GDP at factor cost	161.9	168.0	171.1	173.8	176.9
Percentage increase	(6.8)	(3.8)	(1.8)	(1.6)	(1.8)
Memorandum items:					
Tradeable GDP <u>3/</u>	174.1	179.4	181.8	185.0	188.0
Percentage increase	(2.1)	(3.0)	(1.4)	(1.7)	(1.6)
Nontraedable GDP	141.5	149.3	153.2	155.5	158.7
Percentage increase	(2.6)	(5.5)	(2.6)	(1.5)	(2.1)
Nonagricultural GDP	144.8	152.5	156.7	159.7	163.9
Percentage increase	(3.1)	(5.3)	(2.8)	(1.9)	(2.7)

Sources: Appendix Tables I and II.

1/ Provisional.

2/ Based on GDP projections.

3/ Consists of the agricultural sector and other commodity sectors.

Table IV. Ethiopia: Expenditure on Gross Domestic Product
at Current Market Prices, 1977/78-1981/82

(In millions of birr)

Fiscal Year Ended July 6 Ethiopian Fiscal Year	1977/78 1970	1978/79 1971	1979/80 1972	1980/81 <u>1/</u> 1973	1981/82 <u>2/</u> 1974
Gross domestic expenditure	7,634.2	8,392.5	8,907.0	9,323.0	10,148.9
Consumption	7,088.8	7,694.3	8,052.8	8,431.0	8,946.8
Private <u>3/</u>	(5,876.4)	(6,524.9)	(6,768.6)	(7,108.4)	(7,511.4)
Public	(1,212.4)	(1,169.4)	(1,284.2)	(1,322.6)	(1,435.4)
Gross fixed investment	545.4	698.2	854.2	892.0	1,202.1
Resource gap (-)	-405.0	-425.3	-444.8 <u>4/</u>	-538.3 <u>4/</u>	-802.5 <u>4/</u>
Exports <u>5/</u>	865.6	942.6	1,209.3 <u>4/</u>	1,135.4 <u>4/</u>	1,154.1 <u>4/</u>
Imports <u>5/</u>	1,270.6	1,367.9	1,654.1 <u>4/</u>	1,673.7 <u>4/</u>	1,956.6 <u>4/</u>
GDP at current market prices	7,229.2	7,967.2	8,462.2	8,784.7	9,346.4
Domestic savings <u>6/</u>	140.4	272.9	409.4	353.7	399.6
<u>Memorandum items:</u>					
Net factor income from abroad	-9.2	-5.3	15.0	-13.4	-14.0
GNP at current prices	7,220.0	7,961.9	8,477.2	8,771.3	9,332.4

Sources: Central Planning Supreme Council (CPSC); and staff projections.

1/ Provisional.

2/ Projections.

3/ Calculated as a residual; includes changes in stocks.

4/ Staff estimates and projections.

5/ Goods and nonfactor services.

6/ Excludes the counterpart of the changes in stocks.

Table V. Ethiopia: Production of Major Food Crops, 1977/78-1981/82 1/

(Production in thousands of quintals and area in thousands of hectares) 2/

Crop year	1977/78		1978/79		1979/80		1980/81		1981/82 3/	
	Production	Area	Production	Area	Production	Area	Production	Area	Production	Area
Cereals	41,504	4,644	45,902	4,578	45,946	4,625	50,196	4,913	54,692	4,900
Teff	11,744	1,522	10,806	1,367	11,086	1,425	11,297	1,485	12,181	1,490
Barley	7,310	866	7,125	805	6,858	796	6,965	836	8,788	777
Milze	9,984	878	11,975	879	12,616	872	15,434	978	15,687	964
Wheat	4,234	467	6,081	625	7,290	711	8,347	778	8,788	777
Sorghum	6,112	707	8,019	902	8,096	821	8,153	836	9,249	892
Millet	2,120	204	1,896	239	--	--	--	--	--	--
Pulses	5,206	644	5,650	689	5,494	644	5,182	656	5,631	710
Horsebeans	2,733	278	3,078	297	2,993	273	2,802	275	3,036	289
Chickpeas	1,072	155	1,031	156	1,001	145	942	150	1,036	177
Haricot beans	121	17	259	41	306	43	325	48	362	50
Field peas	916	129	769	126	796	115	742	115	793	122
Lentils	364	65	513	69	398	68	371	68	404	72
Other crops	536	146	771	201	648	194	653	194	749	206
Flax	106	26	256	57	199	57	199	57	292	61
Neug (niger seed)	430	120	515	144	449	137	454	137	457	145
Total	47,246	5,434	52,323	5,468	52,988	5,463	56,031	5,763	61,073	5,816

Source: Central Statistics Office (CSO).

1/ Includes state farms, cooperatives, and small holdings.

2/ One quintal is 100 kilograms; 1 hectare equals 2.47 acres.

3/ Projection.

Table VI. Ethiopia: Yields for the Major Food Crops, 1977/78-1981/82
(In quintals per hectare)

	1977/78	1978/79	1979/80	1980/81	1981/82 <u>1/</u>
<u>Cereals</u>					
Teff	7.7	7.9	7.8	7.6	8.2
Barley	6.4	8.8	8.2	8.3	11.3
Maize	11.4	13.6	14.5	15.8	16.3
Wheat	9.1	9.7	10.2	10.7	11.3
Sorghum	8.6	8.9	9.9	9.8	10.4
Millet	10.4	--	--	--	--
<u>Pulses</u>					
Horsebeans	9.8	10.4	11.0	10.2	10.5
Chick peas	6.9	6.6	6.9	6.3	5.8
Haricot beans	7.1	6.3	7.1	7.2	7.2
Field peas	7.1	6.1	6.9	6.4	6.5
Lentils	5.6	7.4	5.8	5.4	5.6
<u>Other crops</u>					
Flax	4.1	4.5	3.5	3.5	4.8
Neug (niger seed)	3.6	3.6	3.3	3.3	3.2

Source: Appendix Table V.

1/ Projections.

Table VII. Ethiopia. State Farms' Production of Major Crops, 1977/78-1982/83

(Production in thousands of quintals and area in hectares)

	1977/78		1978/79		1979/80	
	Production	Area	Production	Area	Production	Area
Cereal crops	603.61	23,588	823.43	30,279	1,620.90	85,240
Teff	4.91	679	9.71	1,353	16.44	2,807
Barley	1.80	100	14.42	933	96.14	7,175
Maize	475.54	17,053	611.47	18,275	1,107.98	40,166
Wheat	82.69	4,247	92.40	5,549	233.41	19,290
Sorghum	38.67	1,509	94.93	4,169	166.93	15,802
Other food crops	105.14	2,412	81.34	2,772	291.72	7,332
Beans	5.02	636	4.44	564	10.47	2,402
Sunflower	4.26	512	4.31	802	7.54	706
Pepper	3.60	398	6.96	682	11.99	1,467
Fruits	79.26	766	57.65	586	226.45	1,849
Vegetables	13.00	80	7.98	138	35.23	908
Industrial and export crops	654.54	36,234	600.08	34,325	610.64	31,958
Cotton	624.83	26,669	568.53	26,244	601.91	29,550
Sisal	3.67	1,734	3.93	209	4.85	1
Coffee	23.04	7,531	24.78	7,532	0.32	
Tobacco	3.00	300	2.84	340	3.56	
Others	7.35	290	1.39	190	42.38	
Total	1,370.64	62,524	1,506.24	67,567	2,565.64	143,608

	1980/81		1981/82 1/		1982/83 2/	
	Production	Area	Production	Area	Production	Area
Cereal crops	2,429.96	139,326	3,122.29	170,332	4,000.76	191,749
Teff	7.79	1,548	8.58	1,181	9.37	1,090
Barley	42.73	2,256	54.67	2,331	58.60	2,300
Maize	1,007.99	34,968	1,558.31	45,527	1,940.81	54,128
Wheat	1,145.52	78,998	1,207.01	94,568	1,568.38	104,558
Sorghum	225.93	21,556	293.72	26,725	423.67	29,673
Other food crops	268.28	13,662	435.19	14,334	808.51	21,786
Beans	23.74	7,496	42.24	7,655	97.16	9,903
Sunflower	2.07	783	18.74	1,917	20.00	2,100
Pepper	6.31	2,627	22.31	2,423	44.47	3,860
Fruits	181.62	1,777	259.09	1,656	260.59	3,312
Vegetables	54.54	979	92.81	683	386.29	2,611
Industrial and export crops	715.16	31,344	749.91	31,613	913.32	34,920
Cotton	703.14	30,249	737.60	30,571	891.18	33,173
Sisal	5.24	506	8.58	660	10.31	687
Coffee	1.26	127	0.56	127	0.64	127
Tobacco	5.52	462	3.17	255	11.19	933
Others	99.51	39,848	38.94	12,269	58.28	9,014
Total	3,512.91	224,180	4,346.33	228,548	5,780.87	257,469

Source: Ministry of State Farms Development

1/ Projections for production; area is actual.

2/ Planned.

Table VIII. Ethiopia: Major Crop Yields on State Farms, 1977/78-1982/83

(In quintals per hectare)

	1977/78	1978/79	1979/80	1980/81	1981/82 <u>1/</u>	1982/83 <u>2/</u>
<u>Cereals</u>						
Teff	7.2	7.2	5.9	5.0	7.3	8.5
Barley	18.0	15.4	13.4	18.9	23.4	25.5
Maize	27.9	33.5	27.6	28.8	34.2	35.9
Wheat	19.5	16.6	12.1	14.5	12.8	15.0
Sorghum	25.6	22.8	10.6	14.5	11.0	14.3
<u>Pulses</u>						
Beans	7.9	7.9	4.4	3.2	5.5	9.8
Sunflower	8.0	5.4	10.7	2.6	9.8	9.5
Pepper	9.0	10.2	8.2	2.4	9.2	11.5
Fruits	103.5	98.4	122.5	102.2	156.6	78.7
Vegetables	162.5	57.8	38.8	55.7	135.9	147.9
<u>Industrial and export crops</u>						
Cotton	23.4	21.7	20.4	23.2	24.1	26.9
Sisal	2.1	18.8	2.8	10.4	13.0	15.0
Coffee	3.1	3.3	3.4	9.9	4.4	5.0
Tobacco	10.0	8.4	6.4	11.9	12.4	12.0

Source: Appendix Table VII.

1/ Projections.2/ Planned.

Table IX. Ethiopia: AMC's Purchase and Cost Price for
Major Food Crops, 1981/82 1/

(In birr per quintal)

	Purchase Price <u>2/</u>	Cost Price
<u>Cereals</u>		
Teff, mixed	40.00	57.25
Barley, mixed	30.00	46.33
Maize	21.00	43.76
Wheat, mixed	35.00	51.80
Sorghum, mixed	25.00	42.86
Millet	21.00	36.51
<u>Pulses</u>		
Horsebeans	30.00	46.33
Chick peas	32.00	48.51
Lentils	47.00	64.88
Field peas, mixed	36.00	52.87
<u>Oilseeds</u>		
Flax	46.00	63.79
Neug	50.00	68.15
Rapeseeds	46.00	63.79

Source: Agricultural Marketing Corporation

1/ Prices unchanged since 1980/81, when the price structure was unified irrespective of differences of locations.

2/ AMC's purchase prices, or wholesale prices, are birr 4 or 5 above farm-gate prices.

Table X. Ethiopia: Estimates of Coffee Production,
Marketing, and Stocks, 1977/78-1980/81 1/

(In thousands of metric tons)

Coffee Year (October-September)	1977/78	1978/79	1979/80	<u>1980/81</u> Preliminary
Opening stocks	48.9	39.1	35.2	50.7
Production	190.0	188.0	194.0	198.0
Domestic consumption	110.0	101.0	95.0	95.8
Export <u>2/</u>	73.8	82.9	78.5	87.9
Unwashed	(68.4)	(75.2)	(71.6)	(79.9)
Washed	(5.4)	(7.7)	(6.9)	(8.0)
Disappearances <u>3/</u>	16.0	8.0	5.0	5.0
Closing stocks	39.1	35.2	50.7	60.0

Source: Ministry of Coffee and Tea Development.

1/ Estimates (except for exports) based on Coffee Sector Survey results.

2/ As recorded on loading at port rather than at customs stations.

3/ Represents unofficial exports, handling losses, etc.

Table XI. Ethiopia: Coffee Export Marketing and Price Structure, 1980/81-1981/82

(In birr)

	1980/81		1981/82		Total Marketing Operations (in millions of birr)	
	Blrr per ton	Per cent of f.o.b. price	Blrr per ton	Per cent of f.o.b. price	1980/81	1981/82 2/ change
<u>Export price, f.o.b.</u>	<u>5,931</u>	<u>100.0</u>	<u>5,828</u>	<u>100.0</u>	<u>524.3</u>	<u>-2.7</u>
1. Taxes	2,735	46.1	2,732	46.9	241.8	-1.2
Export surtax	(2,470)	(41.6)	(2,470)	(42.4)	(218.3)	(-1.0)
Other ad valorem taxes 3/	(65)	(1.1)	(62)	(1.1)	(5.8)	(--)
Specific taxes	(200)	(3.4)	(200)	(3.4)	(17.7)	(--)
2 Export price, f.o.b. without taxes	3,196	53.9	3,096	53.1	282.5	-4.1
(a) Post auction	(671)	(11.3)	(661)	(11.3)	(59.3)	(-2.5)
(b) Auction price	(2,525)	(42.6)	(2,435)	(41.8)	(223.2)	(-4.5)
Of which: farm-gate price	(2,145)	(36.2)	(2,058)	(35.3)	(189.6)	(-5.0)
<u>Memorandum items:</u>						
In U.S. dollars per pound:						
Export price, f.o.b.	1,300	--	1,277	--	--	--
Reference price 4/	1,420	--	1,420	--	--	--

Sources: Ministry of Coffee and Tea Development; and staff estimates.

1/ Exported quantity, 88,400 tons.

2/ Exported quantity, 87,500 tons.

3/ Consists of turnover tax (TOT) at 2 per cent of f.o.b. price without taxes.

4/ Estimates of 100 price for the purpose of calculating the export surtax.

Table XII. Ethiopia: Gross Value of Manufacturing
Production at Current Prices, 1977/78-1979/80 1/

(In millions of birr)

	1977/78	1978/79	1979/80
Foodstuffs	239.9	428.7	523.1
Beverages	118.7	167.5	249.5
Tobacco	66.2	81.3	105.7
Textiles	275.3	342.3	440.9
Leather and shoes	55.4	82.4	132.2
Wood and products	26.9	36.2	36.9
Paper and products	26.9	31.2	40.9
Printing and publishing	21.7	30.7	34.8
Chemicals and petroleum	202.9	321.0	382.1
Nonmetallic minerals	19.2	23.6	38.4
Basic metal industries	33.1	45.7	62.2
Metal products, machinery, etc.	21.6	37.9	45.7
Total	<u>1,107.9</u>	<u>1,628.5</u>	<u>2,092.4</u>

Source: Central Statistical Office (CSO), based on annual industrial surveys.

1/ Includes manufacturing establishments employing 10 or more persons.

Table XIII. Ethiopia Public Sector Industrial Output
at Constant 1971 Prices, 1977/78-1981/82

(In thousands of birr)

	1977/78	1978/79	1979/80	1980/81	1981/82 <u>1/</u>
Ethiopian Food Corporation	78,642	117,438	154,906	170,089	180,707
Ethiopian Meat Corporation	50,751	81,252	71,048	79,630	71,350
Ethiopian Sugar Corporation	103,109	110,432	112,337	110,688	120,544
Ethiopian Beverages Corporation	110,221	137,264	149,599	173,480	190,808
National Tobacco and Matches Corporation	30,303	40,310	44,448	45,586	50,375
National Textiles Corporation	166,207	225,334	261,924	280,450	291,365
National Fibre Corporation	15,645	21,190	24,550	26,997	27,708
National Leather and Shoe Corporation	59,719	85,290	107,242	108,337	113,686
Ethiopian Printing Corporation	19,033	27,086	33,488	36,037	38,299
National Chemical Corporation	24,045	38,451	41,349	63,258	71,264
Ethiopian Wood Works Corporation	14,841	20,053	21,556	20,246	20,265
Ethiopian Building Materials Corporation	21,385	24,759	29,375	23,331	26,382
National Metal Works Corporation	50,982	74,612	82,652	87,933	93,220
Share companies <u>2/</u>	50,619	63,824	78,253	75,352	81,308
Total	795,502	1,067,295	1,212,727	1,301,420	1,377,261

Source: Ministry of Finance.

1/ Planned.

2/ The share companies include Addis Tyre, Augusta Garment Factory, Ethio-Plastic, Ethiopian Pulp and Paper Factory, Ethiopian Spice Extraction, Ethiopian Household Utilities, Ethiopian Crown Cork, and Ethio-Japanese Synthetic Textiles.

Table XIV. Ethiopia Selected Data on Public and Private Sector Manufacturing Industry, 1/ 1979/80 2/

	Number of Establishments	Number of Employees	In millions of birr				
			Gross value of production	Labor costs 3/	Value added at factor cost	Fixed assets 4/	Operating surplus
Foodstuffs	124	15,224	523.1	33.8	151.5	100.5	117.7
Public	(52)	(12,717)	(490.4)	(30.0)	(143.9)	(93.6)	(113.9)
Private	(72)	(2,507)	(32.7)	(3.8)	(7.6)	(6.9)	(3.8)
Alcoholic and tobacco	29	6,358	355.2	16.4	93.2	59.7	76.8
Public	(20)	(6,102)	(348.6)	(15.6)	(91.3)	(59.0)	(75.7)
Private	(9)	(256)	(6.6)	(0.8)	(1.9)	(0.7)	(1.1)
Textiles	54	31,483	440.9	59.1	167.0	79.3	107.9
Public	(26)	(30,361)	(431.8)	(57.5)	(164.3)	(76.6)	(106.8)
Private	(28)	(11,122)	(19.1)	(1.6)	(2.7)	(2.7)	(1.1)
Leather and footwear	19	4,344	132.2	8.2	34.7	28.7	26.5
Public	(12)	(4,093)	(128.7)	(7.7)	(33.6)	(28.1)	(25.9)
Private	(7)	(251)	(3.5)	(0.5)	(1.1)	(0.6)	(0.6)
Wood	68	5,240	36.9	10.1	17.3	10.8	7.2
Public	(23)	(3,042)	(23.2)	(6.4)	(11.7)	(8.3)	(5.3)
Private	(45)	(2,198)	(13.7)	(3.7)	(5.6)	(2.5)	(1.9)
Paper and printing	28	3,719	75.7	8.7	29.6	27.8	20.9
Public	(11)	(3,076)	(69.5)	(6.7)	(26.7)	(25.1)	(20.0)
Private	(17)	(643)	(6.2)	(2.0)	(2.9)	(2.7)	(0.9)
Chemicals	28	5,052	382.1	20.1	59.7	37.2	39.6
Public	(17)	(4,580)	(368.5)	(18.7)	(55.7)	(32.9)	(37.0)
Private	(11)	(472)	(13.5)	(1.4)	(4.0)	(4.3)	(2.6)
Nonmetallic minerals	28	3,176	38.4	7.7	15.2	17.6	7.5
Public	(15)	(2,595)	(35.3)	(6.8)	(14.1)	(16.3)	(7.3)
Private	(13)	(581)	(3.1)	(0.9)	(1.1)	(1.3)	(0.2)
Metals	24	2,045	107.9	7.2	21.4	11.8	14.2
Public	(10)	(1,578)	(99.7)	(5.5)	(19.0)	(7.9)	(13.5)
Private	(14)	(467)	(8.2)	(1.7)	(2.4)	(3.9)	(0.7)
Total	402	76,611	2,792.4	171.3	589.6	373.4	418.3
Public	(186)	(68,084)	(1,995.8)	(154.9)	(560.3)	(347.8)	(405.4)
Private	(216)	(8,527)	(96.6)	(16.4)	(29.3)	(25.6)	(12.9)
Public/Total (in per cent)	46.3	83.9	95.4	90.4	95.0	93.1	97.0

Source: Central Statistical Office, Survey of Manufacturing Industries, 1979/80

1/ Includes manufacturing establishments employing 10 or more persons.

2/ Provisional.

3/ Includes wages and salaries and other payments to workers in cash and kind

4/ Book values.

Table XV. Ethiopia. Employment in Public Sector Industries 1/2/, 1977/78-1981/82

(Number of employees)

Corporations/Share Companies	1977/78	1978/79	1979/80	1980/81 <u>3/</u>	1981/82 <u>4/</u>
Ethiopian Food	3,500	4,441	4,401	5,059	4,684
Ethiopian Meat	4,367	4,541	4,581	4,452	4,781
Ethiopian Sugar	11,506	12,696	10,935	12,949	14,463
Ethiopian Beverages	4,626	5,629	6,343	6,792	7,074
National Tobacco and Matches	1,214	1,090	1,848	2 067	2,229
National Textiles	22,895	24,404	25,303	25,027	25,253
National Fibre Works	3,328	3,787	4,766	4,449	4,089
National Shoes and Leather	4,419	5,197	5,835	6,035	6,471
Ethiopian Printing	1,615	2,012	2,038	2,242	2,408
National Chemicals	573	895	2,003	1,764	1,701
Ethiopian Wood Works	1,253	1,891	4,127	4,339	4,426
Ethiopian Building Materials	2,165	2,736	2,831	2,945	3,054
National Metal Works	1,376	1,672	2,263 <u>5/</u>	2,234	2,227
Share companies	<u>2,641</u>	<u>2,727</u>	<u>3,293</u>	<u>2,946</u>	<u>3,428</u>
Total	<u>65,478</u>	<u>73,718</u>	<u>77 567</u>	<u>83,360</u>	<u>86,288</u>

Source: Ministry of Industry.

1/ Including the share companies.2/ Includes seasonal/temporary workers.3/ Estimates.4/ Planned.5/ Includes employees of Ethiopian Household Utilities, a share company.

Table XVI. Ethiopia: Consolidated Income Statement for the
Public Sector Companies, 1/ 1977/78-1979/80

(In millions of birr, as of June 30)

	1977/78	1978/79	1979/80
Sales and other income	724.3	1,045.7	1,332.3
Less: cost of goods sold	579.0	788.7	999.6
Gross profit	145.3	257.0	332.3
Less: selling, distributing, administration, and general expenses	97.9	134.0	140.6
Profit before tax	47.4	123.0	192.1
Profit before tax in per cent of total sales	6.5	11.8	14.6

Source: Ministry of Industry.

1/ 13 government-owned companies; share companies not included.

Table XVII. Ethiopia: Consumption of Petroleum Products, 1977-81
(In thousands of cubic meters)

	1977	1978	1979	1980	1981
Gasoline, premium	8.5	4.4	1.0	1.8	0.1
Gasoline, regular	93.7	123.5	134.7	144.3	144.7
Diesel oil	224.3	255.6	298.7	325.2	322.6
Fuel oils	69.7	61.4	76.6	86.9	104.2
Aviation fuels	71.2	100.6	92.6	85.1	77.0
Lubricants	9.1	10.2	11.4	12.6	11.9
L.P.G.	5.3	5.9	7.4	7.4	8.0

Source: Ministry of Mines, Energy, and Water Resources.

Table XVIII. Ethiopia: Ex-Refinery and Retail Prices of Petroleum Products, 1978-82 ^{1/}

(In birr per liter as of date indicated)

	May 17, 1978 - April 26, 1979		April 27, 1979-March 26, 1981		March 27, 1981 to date		Percentage Increase in 1981
	Ex-refinery		Ex-refinery	Addis Ababa	Ex-refinery	Addis Ababa	
Regular gasoline	0.4100		0.4820	0.7550	0.8850	1.1900	57.6
Premium gasoline	0.4920		0.5920	0.9000	0.9520	1.2900	43.3
Gas oil	0.2375		0.2975	0.5300	0.5775	0.7900	49.1
Fuel oil	0.1350		0.1850	0.3075	0.3850	0.5400	75.6
Illuminating kerosene	0.2525		0.3100	0.5500	0.4775	0.6550	19.1

Sources: Ethiopian Petroleum Corporation; and Ministry of Mines, Energy, and Water Resources.

^{1/} Retail prices vary from one location to another depending on transportation costs.

Table XIX. Ethiopia. Retail Price Index for Addis Ababa (Excluding Rent), 1977/78-1981/82

(1960 = 100)

Period Averages	Group Indices (with weights in per cent)						
	General Index (85.4)	Food (49.0)	Household Items (14.6)	Clothing (6.7)	Transport (4.5)	Medical care (1.8)	Personal care (0.8)
						Reading and recreation (2.6)	Other goods and services (5.4)
Fiscal years							
1977/78	277.7	318.6	282.6	234.6	120.0	222.4	199.6
1978/79	313.7	368.9	299.0	257.2	126.6	254.5	238.2
1979/80	352.9	420.1	327.7	267.5	132.5	282.9	350.6
1980/81	359.7	428.7	326.2	281.2	134.8	308.1	364.5
Quarters							
1978: January-March	278.7	319.6	279.1	238.6	125.9	225.7	198.3
April-June	286.5	332.0	279.4	240.9	126.0	235.1	203.2
July-September	297.9	353.0	269.1	248.4	126.1	243.1	202.7
October-December	303.3	353.5	293.8	252.8	125.3	253.3	216.2
1979: January-March	317.2	370.1	312.3	261.1	126.2	259.0	264.4
April-June	336.2	399.1	320.7	266.4	128.6	262.5	269.4
July-September	354.0	422.8	334.2	265.3	129.9	266.1	319.0
October-December	346.0	417.6	321.7	262.7	131.0	278.5	348.0
1980: January-March	350.3	415.1	327.5	265.0	132.7	288.5	364.4
April-June	361.1	431.7	327.5	276.8	136.2	298.5	370.8
July-September	357.1	428.4	313.0	279.8	135.3	304.0	365.8
October-December	345.6	411.4	301.8	281.9	135.3	313.8	366.3
1981: January-March	358.3	428.0	321.6	282.5	134.8	307.1	362.2
April-June	377.7	446.8	368.2	280.5	133.9	307.5	363.7
July-September	382.2	443.8	392.7	280.8	146.8	309.4	399.0
October-December	382.6	446.3	381.8	281.2	146.8	320.3	433.3

Sources: Central Statistical Office; and National Bank of Ethiopia, Quarterly Bulletin.

1/ The weights presented reflect the consumption pattern of households with monthly income of br 400 or less in 1963. They do not add up to 100 because rent is excluded from the index. The statistical weights in the above index can be found by expressing the group weights as a percentage of 85.4.

Table XX. Ethiopia: Retail Price Index for Food Items in Addis Ababa, 1977/78-1981/82
(1963 = 100)

Period Averages	Subgroups (with weights in per cent)							
	Total (49.0)	Cereals (13.2)	Meat (5.7)	Fish (0.1)	Dairy products (9.8)	Fruits and vegetables (2.2)	Pulses (1.7)	Spices (2.0)
							Other food (7.7)	Beverages and tobacco (6.6)
Fiscal years								
1977/78	318.6	329.6	300.0	218.4	351.9	411.0	259.4	659.2
1978/79	368.9	381.2	349.7	274.8	379.3	397.4	352.8	901.8
1979/80	420.1	404.4	362.8	290.4	426.5	377.0	353.4	1,039.9
1980/81	428.7	393.0	368.2	287.3	434.3	489.2	362.5	1,314.0
Quarters								
1979: January-March	370.1	376.9	344.2	283.0	383.5	392.2	336.4	955.3
April-June	399.1	404.9	359.5	287.3	406.7	336.6	358.0	1,137.2
July-September	422.8	447.9	348.8	291.5	387.0	325.7	358.0	1,260.2
October-December	410.6	398.0	347.4	287.3	392.7	324.9	350.5	1,041.9
1980: January-March	415.1	369.7	373.2	295.5	457.4	400.9	331.8	919.1
April-June	431.7	401.8	381.8	287.2	668.8	456.6	373.2	938.4
July-September	428.8	420.3	368.6	287.2	395.1	589.0	373.2	930.9
October-December	411.4	386.4	361.0	287.3	381.2	460.0	349.1	931.6
1981: January-March	428.0	381.5	363.1	287.3	458.7	493.3	359.0	977.7
April-June	446.8	383.9	379.2	287.3	502.1	414.4	368.6	1,214.9
July-September	443.8	408.4	369.2	287.3	452.3	493.5	377.0	1,200.7
October-December	446.3	425.7	369.7	287.3	433.3	432.9	411.4	1,209.6

Source: Central Statistical Office.

Table XXI. Ethiopia: Export Commodities, Addis Ababa Wholesale
f.o.b. Price Index, 1977/78-1981/82

(1975 = 100)

Period Averages	General Index (94.2)	Main Commodity Groups (with weights in per cent) 1/			
		Coffee (54.2)	Oilseeds (14.3)	Pulses (14.4)	Hides, skins (8.5)
Fiscal years					
1977/78	230.2	304.1	122.9	115.9	148.5
1978/79	194.3	223.8	151.4	118.3	208.9
1979/80	239.9	286.6	181.6	136.3	256.6
1980/81	189.2	203.3	145.3	175.1	192.8
Quarters					
1978: January-March	219.4	287.0	112.7	118.5	150.1
April-June	273.9	250.0	128.8	117.8	154.6
July-September	182.0	216.8	129.6	115.7	159.0
October-December	192.8	234.0	128.2	112.6	174.8
1979: January-March	186.8	202.2	161.3	122.6	242.2
April-June	215.4	242.1	186.3	122.2	259.5
July-September	250.8	299.2	237.7	129.2	294.8
October-December	252.5	306.1	173.2	130.2	273.3
1980: January-March	231.0	269.0	160.5	143.8	262.4
April-June	225.4	272.0	154.9	141.9	195.7
July-September	201.1	225.4	155.0	158.3	198.8
October-December	182.7	194.5	156.6	154.1	195.1
1981: January-March	188.0	200.4	133.0	183.6	192.6
April-June	185.0	192.8	136.5	204.2	184.7
July-September	184.3	198.8	133.3	182.0	170.6
October-December	205.4	232.7	127.9	184.5	179.9

Source: National Bank of Ethiopia, Quarterly Bulletin.

1/ Not shown (with weights in per cent): oilseed cakes (1.7), civet (0.4), and beeswax (0.7).

Table XXII. Ethiopia: Central Government Revenue, 1977/78-1981/82

(In millions of birr)

Fiscal Year ended July 7 Ethiopian Fiscal Year	Actual				Projections
	1977/78 1970	1978/79 1971	1979/80 1972	1980/81 1973	1981/82 1974
Tax revenue	939.1	1,155.6	1,303.1	1,343.4	1,394.7
Net income and profit taxes	206.5	272.4	329.4	435.7	434.0
Personal income	84.2	103.3	113.2	126.3	123.7
Business profits	104.1	120.4	165.1	257.3	256.8
Agricultural income	18.2	48.7	51.1	52.1	53.3
Other income	--	--	--	--	0.2
Rural land use fee	19.3	47.1	48.2	49.2	47.7
Domestic excise and sales taxes	193.2	283.8	370.2	383.6	394.9
Excises	111.5	166.9	221.7	223.9	229.8
Petroleum products	(25.1)	(30.1)	(32.7)	(33.8)	(33.3)
Alcohol and tobacco	(47.9)	(68.7)	(114.1)	(115.4)	(119.4)
Other domestic goods	(38.5)	(68.1)	(74.9)	(74.7)	(77.1)
Turnover tax	38.7	54.6	62.3	65.6	76.1
Transaction tax	30.3	41.2	68.0	74.5	69.4
Stamp duties	6.5	10.0	10.0	10.7	10.0
Tobacco monopoly	6.2	11.1	8.2	8.9	9.6
Import taxes	238.3	323.3	247.0	290.8	327.1
Customs duties	162.7	201.0	134.4	154.7	190.7
Excise taxes	15.3	23.6	13.1	17.8	15.6
Petroleum products	(0.5)	(1.1)	(1.4)	(0.7)	(1.0)
Alcohol and tobacco	(5.1)	(6.3)	(6.0)	(9.7)	(7.0)
Other	(9.7)	(16.2)	(5.7)	(7.4)	(7.6)
Transaction tax	60.3	98.7	99.5	118.3	120.8
Export taxes	281.8	229.0	308.3	184.1	191.0
Customs duties	273.5	219.3	295.9	172.7	179.6
Coffee	(8.7)	(12.2)	(16.4)	(13.3)	(12.8)
Coffee surtax	(254.7)	(203.4)	(275.9)	(147.6)	(142.1)
Transaction tax	8.3	9.7	2.4	11.4	11.4
Nontax revenues	248.0	219.6	256.8	399.9	374.3
Charges and fees	22.3	14.5	19.3	22.4	21.9
Sale of goods and services	28.4	25.0	23.3	37.7	41.9
Property and investment revenues	84.0	79.0	147.0	301.3	272.0
Current pension contributions	16.6	17.0	20.9	22.0	22.8
Reimbursements	4.9	2.0	--	--	--
Property sales	3.3	7.0	14.4	10.5	10.0
Fines and miscellaneous	9.3	4.5	6.0	6.0	5.7
Public contributions	79.2	72.6	--	--	--
Other extraordinary	--	--	--	--	--
Total revenues	1,187.1	1,375.2	1,559.9	1,743.3	1,769.0
<u>Memorandum items</u>					
External debt grants	6.5	--	--	--	--
External grants in kind ^{2/}	65.3	48.8	63.9	94.2	167.5

Source. Ministry of Finance.

^{1/} Includes Br 0.4 million construction tax.^{2/} Imputed value of goods and services granted. Estimated amounts. Actuals not available for most components. Starting 1979/80, data show only technical assistance to investment projects.

Table XXIII. Ethiopia: Central Government Current Expenditure,
Functional Classification, 1977/78-1981/82

(In millions of birr)

Fiscal Year Ended July 7 Ethiopian Fiscal Year	Actual				Projections
	1977/78 1970	1978/79 1971	1979/80 1972	1980/81 1973	1981/82 1974
General services	916.3	808.6	906.0	971.9	1,045.5
General government <u>1/</u>	377.0	762.1	853.8	918.1	986.0
Foreign affairs	11.8	11.8	14.4	15.0	17.0
Finance and planning	27.5	34.7	37.8	38.8	42.5
Economic services	90.4	83.0	84.6	98.1	141.0
Agriculture and land settlement	29.2	29.3	34.0	36.0	48.0
Mining, industry, commerce, and tourism	11.5	20.5	18.8	28.1	33.0
Transport and communications	49.7	33.2	31.8	34.0	60.0
Social services	227.2	257.0	287.0	324.5	355.0
General education and culture	120.5	136.2	152.4	163.2	198.0
University education	22.1	25.7	33.2	36.4	42.0
Public health	51.8	59.2	65.8	74.0	83.0
Labor and social welfare	12.6	10.0	10.2	24.3	18.0
Housing and community services <u>2/</u>	11.0	17.4	16.7	17.4	4.0
Drought relief	9.2	8.5	8.7	9.2	10.0
Pension payments	57.2	65.6	74.0	85.0	92.0
Interest and charges	48.3	65.7	71.6	84.1	91.5
On internal debt	36.6	53.5	52.3	65.0	68.0
On external debt	11.7	12.2	19.3	19.1	23.5
Miscellaneous <u>3/</u>	7.1	2.0	124.8	95.1	38.0
Total current expenditure	1,346.5	1,281.9	1,548.0	1,658.7	1,763.0
Memorandum item:					
Current external grants in kind <u>4/</u>	4.9	10.0	--	N.A.	N.A.

Source: Ministry of Finance.

1/ Mainly national defense, public order, and security; also includes organs of state, judiciary, information, and civil service commission.

2/ Includes various grants.

3/ Includes fuel and grain subsidies as well as regional budget support.

4/ Amounts not included in data above.

Table XXIV. Ethiopia: Central Government Current Expenditure,
Economic Classification, 1977/78-1981/82

(In millions of birr)

Fiscal Year Ended July 7 Ethiopian Fiscal Year	Actual				Projections
	1977/78 1970	1978/79 1971	1979/80 1972	1980/81 1973	1981/82 1974
Wages and operating expenses	1,166.4	1,091.0	1,216.6	1,328.3	1,462.0
Wages	(553.1)	(593.2)	(624.8)	(689.2)	(806.2)
Materials	(613.3)	(497.8)	(591.8)	(639.1)	(655.8)
Grants and contributions	68.5	57.1	62.8	66.1	92.3
Price subsidies	6.2	--	123.0	95.1	29.1
Pensions	57.2	65.6	74.0	85.0	85.6
Investment charges	48.2	69.1	71.6	84.2	94.0
Internal debt	(36.5)	(53.5)	(52.3)	(65.0)	(72.2)
External debt	(11.7)	(15.6)	(19.3)	(19.2)	(21.8)
Total current expenditure <u>1/</u>	<u>1,346.5</u>	<u>1,281.9</u>	<u>1,548.0</u>	<u>1,658.7</u>	<u>1,763.0</u>

Source: Ministry of Finance.

1/ External technical assistance not included.

Table XXV. Ethiopia: Central Government Capital Expenditure, 1977/78-1981/82 1/
(In millions of birr)

Fiscal Year Ended July 7 Ethiopian Fiscal Year	Actual				Projections
	1977/78 1970	1978/79 1971	1979/80 1972	1980/81 1973	1981/82 1974
Economic development	294.8	314.4	375.2	444.5	524.0
Agriculture and land settlement	162.8	164.1	142.1	147.7	156.0
Mining, industry, commerce, and tourism	8.4	14.0	40.4	108.6	130.0
Electric power	10.8	13.9	5.2	5.5	17.0
Water resources	23.1	20.7	41.5	37.8	59.0
Road construction	49.9	84.0	129.2	114.4	138.0
Other transport and telecommunications	39.1	17.0	16.4	30.1	16.0
Financial agencies <u>2/</u>	0.7	0.7	0.4		8.0
Social development	37.1	51.6	66.5	74.3	74.0
Education and culture	11.3	28.3	32.0	35.6	38.0
Public health	18.6	17.0	10.0	14.6	18.0
Community services	7.2	6.3	24.5	24.1	18.0
Other	2.6	5.7	11.5	13.6	0.8
Public buildings	2.0	--	2.3	13.6	0.8
Miscellaneous	--	5.7	9.2	--	--
Total capital expenditure	333.9	371.7	453.2	532.4	598.8
<u>Memorandum item:</u>					
Capital external grants in kind <u>3/</u>	60.4	38.8	63.9	94.2	100.00

Source: Ministry of Finance.

1/ Includes outlays other than investment proper such as operating expenses of certain development agencies.

2/ Mainly funds of AIDB; includes small amounts for internal financial institutions.

3/ Imputed values of goods and services granted are included in expenditure data above.

Table XXVI. Ethiopia: Central Government External Borrowing, 1977/78-1980/81
(In millions of birr)

Fiscal Year Ended July 7 Ethiopian Fiscal Year	Actual			
	1977/78 1970	1978/79 1971	1979/80 1972	1980/81 1973
Economic development	63.4	100.3	107.4	117.3
Agriculture and land settlement	16.4	40.8	23.8	25.8
Mining, industry, and commerce ^{1/}	3.4	6.5	9.3	37.8
Electric power	10.8	6.9	5.2	1.2
Water, sewerage, etc.	3.5	3.6	8.1	4.9
Road construction	18.7	26.1	47.9	37.0
Other transportation	--	--	--	--
Telecommunications	10.6	16.6	13.1	10.6
Financial agencies	9.9	60.1	37.2	3.8
Social development	16.4	25.0	19.0	20.1
Education	6.9	21.3	11.6	10.8
Public health	3.9	0.6	0.9	--
Community amenities ^{2/}	5.6	3.1	6.5	9.3
Subtotal	89.7	185.6	163.6	141.2
Unallocated by sector	-2.2	-6.2	-5.3	0.0
Grain imports	--	--	--	--
Drought relief	--	--	2.7	2.5
Cash loans	--	--	--	--
Unallocated imports ^{3/}	-2.2	-6.2	-8.0	-2.5
Other	--	--	--	--
Total external borrowing	87.5	179.4	158.3	141.2
Total for budget financing	87.5	179.4	158.3	141.2

Source: Ministry of Finance.

^{1/} Mainly washed coffee project until 1979/80.

^{2/} Includes cement credit, building materials, and commodity credit from the U.S.S.R.

^{3/} Local currency generated by imports, under loan from the People's Republic of China, in excess of amounts applied to reimburse Treasury for project expenditures. Deposited in blocked account at National Bank and not available for general financing. Withdrawals from blocked account for agreed project expenditures indicated by minus sign and amounts attributed by sectors.

Table XXVII. Ethiopia: Central Government Domestic Financing, 1977/78-1981/82
(In millions of birr)

Fiscal Year Ended July 7 Ethiopian Fiscal Year	Actual				Projections 1/
	1977/78 1970	1978/79 1971	1979/80 1972	1980/81 1973	1981/82 1974
National Bank (net)	261.0	31.4	166.3	112.0	...
Direct advances	108.0	-56.0	132.0	56.0	...
Cash basis	(141.0)	(-63.0)	(91.0)	(66.0)	...
Backdated (net) 2/	(-33.0)	(7.0)	(41.0)	(-10.0)	...
Bonds and notes	139.0	101.0	61.0	88.7	...
Less:					
Deposits (increase -)	14.0	-13.6	-26.7	-32.7	...
Commercial bank 3/	60.4	31.0	33.0	30.0	...
Nonbank lenders	27.1	-1.4	16.2	50.0	...
Pension Commission	27.5	--	21.0	50.0	...
Other lenders	-0.4	-1.4	-4.8	--	...
Other financing (net) 4/	12.8	17.5	19.4	37.5	...
Net domestic financing, closed account basis	361.3	78.5	234.9	229.5	108.5
Banking system	321.4	62.4	199.3	142.0	73.5
Other sources	39.9	16.1	35.6	87.5	35.0

Sources: Based on Appendix Table XXVIII; and data provided by the Ministry of Finance.

1/ Borrowing of up to statutory ceilings and drawing down of balances. A disaggregated projection for 1981/82 is not yet available.

2/ Net increase (-) in backdating of advances (closed accounts less July 7) during the year.

3/ Changes in Treasury bills held by the commercial bank and in estimated government deposits with the commercial bank as of July 7.

4/ Calculated as a residual. Includes use of currency balances, unrecorded financing, any residual changes in commercial bank deposits, and other discrepancies. Not necessarily on a cash basis.

Table XXVIII. Ethiopia Central Government Domestic Debt and Deposits by Holder, 1977-81 1/
(In millions of birr)

	Total Debt	National Bank		Commercial Bank	Pension Commission 3/	Other		Deposits	
		Total	Advances	Notes 2/	Bonds 3/	Ronds 3/	Bills 4/	National Bank	Commercial Bank
1977									
June 30	647.7	454.3	106.0	66.0	282.3	5.2	1.8	113.3	32.4
July 7	714.0	486.3	138.0	66.0	282.3	5.2	1.4	99.2	--
Closed	747.0	519.3	171.0	66.0	282.3	5.2	1.4	99.2	--
1978									
June 30	1,019.0	731.3	252.0	64.0	415.3	5.2	1.0	130.0	32.1
July 7	1,045.5	730.3	243.0	64.0	423.3	5.2	1.0	65.2	--
Closed	1,081.5	766.3	279.0	64.0	423.3	5.2	1.0	85.2	--
1979									
June 30	1,143.3	869.2	277.7	62.0	529.5	4.5	0.3	125.5	40.7
July 7	1,149.1	804.3	216.0	62.0	526.3	4.5	0.3	98.8	--
Closed	1,156.1	811.3	223.0	62.0	526.3	4.5	0.3	98.8	--
1980									
June 30	1,307.6	915.0	276.0	60.0	579.0	--	--	148.5	60.0
July 7	1,350.3	956.3	307.0	60.0	587.3	--	--	125.5	--
Closed	1,356.3	1,004.3	355.0	60.0	589.3	--	--	125.5	--
1981									
June 30	1,555.1	1,125.8	387.8	5/ 58.0	680.0	--	--	179.3	100.9
July 7	1,571.0	1,111.0	373.0	5/ 58.0	680.0	--	--	158.2	--
Closed 6/	1,622.0	1,114.9	411.0	58.0	680.0	--	--	158.2	--

Sources: National Bank of Ethiopia, and Ministry of Finance.

- 1/ As shown in monetary data on June 30 and July 7 and on a closed budgetary accounts basis ("closed"), which reflects back-dating of National Bank advances.
- 2/ Interest-free promissory notes arising from a past currency issue.
- 3/ Long-term government securities; includes interest-bearing notes issued in lieu of bonds.
- 4/ Treasury bills, at face value, whereas monetary data on commercial bank holdings are net of discounts. Based on initial purchases in first week of month and of preceding two months, it does not reflect subsequent transactions among holders, if any.
- 5/ Includes Br 12.0 million special advance.
- 6/ Provisional.

Table XXIX Ethiopia: Summary of Tax System as of March 1982

(All amounts in birr)

Tax	Nature of Tax	Deductions and Exemptions	Rates																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
1 <u>Tax on income and profits</u>	Tax on income from employment, including without limitations, salaries, wages, allowances, pensions, directors' fees and other personal emoluments	The first Br 50 income is exempted of all income tax	The tax rate is marginal and progressive for each income bracket according to Schedule A:																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
1.1 <u>Income tax on employment:</u> (Income Tax Amendment, Proclamation No. 155/1978)	Tax on income is withheld by employer.		<table> <tr> <th>No</th><th>Taxable Income Per Month in Birr</th><th>Tax rate on every additional income</th></tr> <tr> <td>1</td><td>Over 50 up to 250</td><td>10 per cent</td></tr> <tr> <td>2</td><td>250 " 500</td><td>13 "</td></tr> <tr> <td>3</td><td>500 " 750</td><td>18 "</td></tr> <tr> <td>4</td><td>750 " 1000</td><td>24 "</td></tr> <tr> <td>5</td><td>1000 " 1250</td><td>29 "</td></tr> <tr> <td>6</td><td>1250 " 1500</td><td>34 "</td></tr> <tr> <td>7</td><td>1500 " 1750</td><td>39 "</td></tr> <tr> <td>8</td><td>1750 " 2000</td><td>44 "</td></tr> <tr> <td>9</td><td>2000 " 2250</td><td>49 "</td></tr> <tr> <td>10</td><td>2250 " 2500</td><td>54 "</td></tr> <tr> <td>11</td><td>2500 " 2750</td><td>59 "</td></tr> <tr> <td>12</td><td>2750 " 3000</td><td>74 "</td></tr> <tr> <td>13</td><td>3000 " 3250</td><td>79 "</td></tr> <tr> <td>14</td><td>3250 " 3500</td><td>84 "</td></tr> <tr> <td>15</td><td>3500 " 3750</td><td>89 "</td></tr> <tr> <td>16</td><td>3750</td><td>94 "</td></tr> </table>	No	Taxable Income Per Month in Birr	Tax rate on every additional income	1	Over 50 up to 250	10 per cent	2	250 " 500	13 "	3	500 " 750	18 "	4	750 " 1000	24 "	5	1000 " 1250	29 "	6	1250 " 1500	34 "	7	1500 " 1750	39 "	8	1750 " 2000	44 "	9	2000 " 2250	49 "	10	2250 " 2500	54 "	11	2500 " 2750	59 "	12	2750 " 3000	74 "	13	3000 " 3250	79 "	14	3250 " 3500	84 "	15	3500 " 3750	89 "	16	3750	94 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
No	Taxable Income Per Month in Birr	Tax rate on every additional income																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
1	Over 50 up to 250	10 per cent																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
2	250 " 500	13 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
3	500 " 750	18 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
4	750 " 1000	24 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
5	1000 " 1250	29 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
6	1250 " 1500	34 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
7	1500 " 1750	39 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
8	1750 " 2000	44 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
9	2000 " 2250	49 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
10	2250 " 2500	54 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
11	2500 " 2750	59 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
12	2750 " 3000	74 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
13	3000 " 3250	79 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
14	3250 " 3500	84 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
15	3500 " 3750	89 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
16	3750	94 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
1.2 <u>Rural Land Agricultural Activities Income Tax</u> Proclamation No. 77/1976 and Amendment Proclamation No. 152/1978	Fee payable for rural land use under the Public Ownership of Rural Lands Proclamation No. 31/1975, by any individual or government farmer. For the lower income farmers, the fee is collected by the peasant associations.	Agricultural research stations with legal personality are exempted.	<p>1. Members of agricultural producers' cooperatives Br 5.00</p> <p>2. Other farmers Br 10.00</p>																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
1.21 <u>Rural Land use Fee</u>																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
1.22 <u>Income tax</u>	Tax payable on annual income derived from agricultural activities. Tax on income lower than Br 600 per annum is collected by peasant associations. Farmers with income higher than Br 600 per annum must have their income assessed by the tax office which will collect the tax.	None	<p>1. Income lower than Br 600 per annum Br 10.00</p> <p>2. Income over Br 600 per annum tax rate on every additional income</p> <table> <tr> <th>No</th><th>Annual Taxable Income in Birr</th><th>Tax rate on every additional income</th></tr> <tr> <td>1</td><td>Over 600 but not exceeding 1200</td><td>10 per cent</td></tr> <tr> <td>2</td><td>1200 " 1800</td><td>11 "</td></tr> <tr> <td>3</td><td>1800 " 2400</td><td>12 "</td></tr> <tr> <td>4</td><td>2400 " 3000</td><td>13 "</td></tr> <tr> <td>5</td><td>3000 " 3600</td><td>14 "</td></tr> <tr> <td>6</td><td>3600 " 4200</td><td>15 "</td></tr> <tr> <td>7</td><td>4200 " 4800</td><td>16 "</td></tr> <tr> <td>8</td><td>4800 " 5400</td><td>17 "</td></tr> <tr> <td>9</td><td>5400 " 6000</td><td>18 "</td></tr> <tr> <td>10</td><td>6000 " 6600</td><td>19 "</td></tr> <tr> <td>11</td><td>6600 " 7200</td><td>20 "</td></tr> <tr> <td>12</td><td>7200 " 7800</td><td>21 "</td></tr> <tr> <td>13</td><td>7800 " 8400</td><td>22 "</td></tr> <tr> <td>14</td><td>8400 " 9000</td><td>23 "</td></tr> <tr> <td>15</td><td>9000 " 9600</td><td>24 "</td></tr> <tr> <td>16</td><td>9600 " 10200</td><td>25 "</td></tr> <tr> <td>17</td><td>10200 " 10800</td><td>26 "</td></tr> <tr> <td>18</td><td>10800 " 11400</td><td>27 "</td></tr> <tr> <td>19</td><td>11400 " 12000</td><td>28 "</td></tr> <tr> <td>20</td><td>12000 " 12600</td><td>29 "</td></tr> <tr> <td>21</td><td>12600 " 13200</td><td>30 "</td></tr> <tr> <td>22</td><td>13200 " 13800</td><td>31 "</td></tr> <tr> <td>23</td><td>13800 " 14400</td><td>32 "</td></tr> <tr> <td>24</td><td>14400 " 15000</td><td>33 "</td></tr> <tr> <td>25</td><td>15000 " 15600</td><td>34 "</td></tr> <tr> <td>26</td><td>15600 " 16200</td><td>35 "</td></tr> <tr> <td>27</td><td>16200 " 16800</td><td>36 "</td></tr> <tr> <td>28</td><td>16800 " 17400</td><td>37 "</td></tr> <tr> <td>29</td><td>17400 " 18000</td><td>38 "</td></tr> <tr> <td>30</td><td>18000 " 18600</td><td>39 "</td></tr> <tr> <td>31</td><td>18600 " 19200</td><td>40 "</td></tr> <tr> <td>32</td><td>19200 " 19800</td><td>41 "</td></tr> <tr> <td>33</td><td>19800 " 20400</td><td>42 "</td></tr> <tr> <td>34</td><td>20400 " 21000</td><td>43 "</td></tr> <tr> <td>35</td><td>21000 " 21600</td><td>44 "</td></tr> <tr> <td>36</td><td>21600 " 22200</td><td>45 "</td></tr> <tr> <td>37</td><td>22200 " 22800</td><td>46 "</td></tr> <tr> <td>38</td><td>22800 " 23400</td><td>47 "</td></tr> <tr> <td>39</td><td>23400 " 24000</td><td>48 "</td></tr> <tr> <td>40</td><td>24000 " 24600</td><td>49 "</td></tr> <tr> <td>41</td><td>24600 " 25200</td><td>50 "</td></tr> <tr> <td>42</td><td>25200 " 25800</td><td>51 "</td></tr> <tr> <td>43</td><td>25800 " 26400</td><td>52 "</td></tr> <tr> <td>44</td><td>26400 " 27000</td><td>53 "</td></tr> <tr> <td>45</td><td>27000 " 27600</td><td>54 "</td></tr> <tr> <td>46</td><td>27600 " 28200</td><td>55 "</td></tr> <tr> <td>47</td><td>28200 " 28800</td><td>56 "</td></tr> <tr> <td>48</td><td>28800 " 29400</td><td>57 "</td></tr> <tr> <td>49</td><td>29400 " 30000</td><td>58 "</td></tr> <tr> <td>50</td><td>30000 " 30600</td><td>59 "</td></tr> <tr> <td>51</td><td>30600 " 31200</td><td>60 "</td></tr> <tr> <td>52</td><td>31200 " 31800</td><td>61 "</td></tr> <tr> <td>53</td><td>31800 " 32400</td><td>62 "</td></tr> <tr> <td>54</td><td>32400 " 33000</td><td>63 "</td></tr> <tr> <td>55</td><td>33000 " 33600</td><td>64 "</td></tr> <tr> <td>56</td><td>33600 " 34200</td><td>65 "</td></tr> <tr> <td>57</td><td>34200 " 34800</td><td>66 "</td></tr> <tr> <td>58</td><td>34800 " 35400</td><td>67 "</td></tr> <tr> <td>59</td><td>35400 " 36000</td><td>68 "</td></tr> <tr> <td>60</td><td>36000 " 36600</td><td>69 "</td></tr> <tr> <td>61</td><td>36600 " 37200</td><td>70 "</td></tr> <tr> <td>62</td><td>37200 " 37800</td><td>71 "</td></tr> <tr> <td>63</td><td>37800 " 38400</td><td>72 "</td></tr> <tr> <td>64</td><td>38400 " 39000</td><td>73 "</td></tr> <tr> <td>65</td><td>39000 " 39600</td><td>74 "</td></tr> <tr> <td>66</td><td>39600 " 40200</td><td>75 "</td></tr> <tr> <td>67</td><td>40200 " 40800</td><td>76 "</td></tr> <tr> <td>68</td><td>40800 " 41400</td><td>77 "</td></tr> <tr> <td>69</td><td>41400 " 42000</td><td>78 "</td></tr> <tr> <td>70</td><td>42000 " 42600</td><td>79 "</td></tr> <tr> <td>71</td><td>42600 " 43200</td><td>80 "</td></tr> <tr> <td>72</td><td>43200 " 43800</td><td>81 "</td></tr> <tr> <td>73</td><td>43800 " 44400</td><td>82 "</td></tr> <tr> <td>74</td><td>44400 " 45000</td><td>83 "</td></tr> <tr> <td>75</td><td>45000 " 45600</td><td>84 "</td></tr> <tr> <td>76</td><td>45600 " 46200</td><td>85 "</td></tr> <tr> <td>77</td><td>46200 " 46800</td><td>86 "</td></tr> <tr> <td>78</td><td>46800 " 47400</td><td>87 "</td></tr> <tr> <td>79</td><td>47400 " 48000</td><td>88 "</td></tr> <tr> <td>80</td><td>48000 " 48600</td><td>89 "</td></tr> <tr> <td>81</td><td>48600 " 49200</td><td>90 "</td></tr> <tr> <td>82</td><td>49200 " 49800</td><td>91 "</td></tr> <tr> <td>83</td><td>49800 " 50400</td><td>92 "</td></tr> <tr> <td>84</td><td>50400 " 51000</td><td>93 "</td></tr> <tr> <td>85</td><td>51000 " 51600</td><td>94 "</td></tr> <tr> <td>86</td><td>51600 " 52200</td><td>95 "</td></tr> <tr> <td>87</td><td>52200 " 52800</td><td>96 "</td></tr> <tr> <td>88</td><td>52800 " 53400</td><td>97 "</td></tr> <tr> <td>89</td><td>53400 " 54000</td><td>98 "</td></tr> <tr> <td>90</td><td>54000 " 54600</td><td>99 "</td></tr> <tr> <td>91</td><td>54600 " 55200</td><td>100 "</td></tr> <tr> <td>92</td><td>55200 " 55800</td><td>101 "</td></tr> <tr> <td>93</td><td>55800 " 56400</td><td>102 "</td></tr> <tr> <td>94</td><td>56400 " 57000</td><td>103 "</td></tr> <tr> <td>95</td><td>57000 " 57600</td><td>104 "</td></tr> <tr> <td>96</td><td>57600 " 58200</td><td>105 "</td></tr> <tr> <td>97</td><td>58200 " 58800</td><td>106 "</td></tr> <tr> <td>98</td><td>58800 " 59400</td><td>107 "</td></tr> <tr> <td>99</td><td>59400 " 60000</td><td>108 "</td></tr> <tr> <td>100</td><td>60000 " 60600</td><td>109 "</td></tr> <tr> <td>101</td><td>60600 " 61200</td><td>110 "</td></tr> <tr> <td>102</td><td>61200 " 61800</td><td>111 "</td></tr> <tr> <td>103</td><td>61800 " 62400</td><td>112 "</td></tr> <tr> <td>104</td><td>62400 " 63000</td><td>113 "</td></tr> <tr> <td>105</td><td>63000 " 63600</td><td>114 "</td></tr> <tr> <td>106</td><td>63600 " 64200</td><td>115 "</td></tr> <tr> <td>107</td><td>64200 " 64800</td><td>116 "</td></tr> <tr> <td>108</td><td>64800 " 65400</td><td>117 "</td></tr> <tr> <td>109</td><td>65400 " 66000</td><td>118 "</td></tr> <tr> <td>110</td><td>66000 " 66600</td><td>119 "</td></tr> <tr> <td>111</td><td>66600 " 67200</td><td>120 "</td></tr> <tr> <td>112</td><td>67200 " 67800</td><td>121 "</td></tr> <tr> <td>113</td><td>67800 " 68400</td><td>122 "</td></tr> <tr> <td>114</td><td>68400 " 69000</td><td>123 "</td></tr> <tr> <td>115</td><td>69000 " 69600</td><td>124 "</td></tr> <tr> <td>116</td><td>69600 " 70200</td><td>125 "</td></tr> <tr> <td>117</td><td>70200 " 70800</td><td>126 "</td></tr> <tr> <td>118</td><td>70800 " 71400</td><td>127 "</td></tr> <tr> <td>119</td><td>71400 " 72000</td><td>128 "</td></tr> <tr> <td>120</td><td>72000 " 72600</td><td>129 "</td></tr> <tr> <td>121</td><td>72600 " 73200</td><td>130 "</td></tr> <tr> <td>122</td><td>73200 " 73800</td><td>131 "</td></tr> <tr> <td>123</td><td>73800 " 74400</td><td>132 "</td></tr> <tr> <td>124</td><td>74400 " 75000</td><td>133 "</td></tr> <tr> <td>125</td><td>75000 " 75600</td><td>134 "</td></tr> <tr> <td>126</td><td>75600 " 76200</td><td>135 "</td></tr> <tr> <td>127</td><td>76200 " 76800</td><td>136 "</td></tr> <tr> <td>128</td><td>76800 " 77400</td><td>137 "</td></tr> <tr> <td>129</td><td>77400 " 78000</td><td>138 "</td></tr> <tr> <td>130</td><td>78000 " 78600</td><td>139 "</td></tr> <tr> <td>131</td><td>78600 " 79200</td><td>140 "</td></tr> <tr> <td>132</td><td>79200 " 79800</td><td>141 "</td></tr> <tr> <td>133</td><td>79800 " 80400</td><td>142 "</td></tr> <tr> <td>134</td><td>80400 " 81000</td><td>143 "</td></tr> <tr> <td>135</td><td>81000 " 81600</td><td>144 "</td></tr> <tr> <td>136</td><td>81600 " 82200</td><td>145 "</td></tr> <tr> <td>137</td><td>82200 " 82800</td><td>146 "</td></tr> <tr> <td>138</td><td>82800 " 83400</td><td>147 "</td></tr> <tr> <td>139</td><td>83400 " 84000</td><td>148 "</td></tr> <tr> <td>140</td><td>84000 " 84600</td><td>149 "</td></tr> <tr> <td>141</td><td>84600 " 85200</td><td>150 "</td></tr> <tr> <td>142</td><td>85200 " 85800</td><td>151 "</td></tr> <tr> <td>143</td><td>85800 " 86400</td><td>152 "</td></tr> <tr> <td>144</td><td>86400 " 87000</td><td>153 "</td></tr> <tr> <td>145</td><td>87000 " 87600</td><td>154 "</td></tr> <tr> <td>146</td><td>87600 " 88200</td><td>155 "</td></tr> <tr> <td>147</td><td>88200 " 88800</td><td>156 "</td></tr> <tr> <td>148</td><td>88800 " 89400</td><td>157 "</td></tr> <tr> <td>149</td><td>89400 " 90000</td><td>158 "</td></tr> <tr> <td>150</td><td>90000 " 90600</td><td>159 "</td></tr> <tr> <td>151</td><td>90600 " 91200</td><td>160 "</td></tr> <tr> <td>152</td><td>91200 " 91800</td><td>161 "</td></tr> <tr> <td>153</td><td>91800 " 92400</td><td>162 "</td></tr> <tr> <td>154</td><td>92400 " 93000</td><td>163 "</td></tr> <tr> <td>155</td><td>93000 " 93600</td><td>164 "</td></tr> <tr> <td>156</td><td>93600 " 94200</td><td>165 "</td></tr> <tr> <td>157</td><td>94200 " 94800</td><td>166 "</td></tr> <tr> <td>158</td><td>94800 " 95400</td><td>167 "</td></tr> <tr> <td>159</td><td>95400 " 96000</td><td>168 "</td></tr> <tr> <td>160</td><td>96000 " 96600</td><td>169 "</td></tr> <tr> <td>161</td><td>96600 " 97200</td><td>170 "</td></tr> <tr> <td>162</td><td>97200 " 97800</td><td>171 "</td></tr> <tr> <td>163</td><td>97800 " 98400</td><td>172 "</td></tr> <tr> <td>164</td><td>98400 " 99000</td><td>173 "</td></tr> <tr> <td>165</td><td>99000 " 99600</td><td>174 "</td></tr> <tr> <td>166</td><td>99600 " 100200</td><td>175 "</td></tr> <tr> <td>167</td><td>100200 " 100800</td><td>176 "</td></tr> <tr> <td>168</td><td>100800 " 101400</td><td>177 "</td></tr> <tr> <td>169</td><td>101400 " 102000</td><td>178 "</td></tr> <tr> <td>170</td><td>102000 " 102600</td><td>179 "</td></tr> <tr> <td>171</td><td>102600 " 103200</td><td>180 "</td></tr> <tr> <td>172</td><td>103200 " 103800</td><td>181 "</td></tr> <tr> <td>173</td><td>103800 " 104400</td><td>182 "</td></tr> <tr> <td>174</td><td>104400 " 105000</td><td>183 "</td></tr> <tr> <td>175</td><td>105000 " 105600</td><td>184 "</td></tr> <tr> <td>176</td><td>105600 " 106200</td><td>185 "</td></tr> <tr> <td>177</td><td>106200 " 106800</td><td>186 "</td></tr> <tr> <td>178</td><td>106800 " 107400</td><td>187 "</td></tr> <tr> <td>179</td><td>107400 " 108000</td><td>188 "</td></tr> <tr> <td>180</td><td>108000 " 108600</td><td>189 "</td></tr> <tr> <td>181</td><td>108600 " 109200</td><td>190 "</td></tr> <tr> <td>182</td><td>109200 " 109800</td><td>191 "</td></tr> <tr> <td>183</td><td>109800 " 110400</td><td>192 "</td></tr> <tr> <td>184</td><td>110400 " 111000</td><td>193 "</td></tr> <tr> <td>185</td><td>111000 " 111600</td><td>194 "</td></tr> <tr> <td>186</td><td>111600 " 112200</td><td>195 "</td></tr> <tr> <td>187</td><td>112200 " 112800</td><td>196 "</td></tr> <tr> <td>188</td><td>112800 " 113400</td><td>197 "</td></tr> <tr> <td>189</td><td>113400 " 114000</td><td>198 "</td></tr> <tr> <td>190</td><td>114000 " 114600</td><td>199 "</td></tr> <tr> <td>191</td><td>114600 " 115200</td><td>200 "</td></tr> <tr> <td>192</td><td>115200 " 115800</td><td>201 "</td></tr> <tr> <td>193</td><td>115800 " 116400</td><td>202 "</td></tr> <tr> <td>194</td><td>116400 " 117000</td><td>203 "</td></tr> <tr> <td>195</td><td>117000 " 117600</td><td>204 "</td></tr> <tr> <td>196</td><td>117600 " 118200</td><td>205 "</td></tr> <tr> <td>197</td><td>118200 " 118800</td><td>206 "</td></tr> <tr> <td>198</td><td>118800 " 119400</td><td>207 "</td></tr> <tr> <td>199</td><td>119400 " 120000</td><td>208 "</td></tr> <tr> <td>200</td><td>120000 " 120600</td><td>209 "</td></tr> <tr> <td>201</td><td>120600 " 121200</td><td>210 "</td></tr> <tr> <td>202</td><td>121200 " 121800</td><td>211 "</td></tr> <tr> <td>203</td><td>121800 " 122400</td><td>212 "</td></tr> <tr> <td>204</td><td>122400 " 123000</td><td>213 "</td></tr> <tr> <td>205</td><td>123000 " 123600</td><td>214 "</td></tr> <tr> <td>206</td><td>123600 " 124200</td><td>215 "</td></tr> <tr> <td>207</td><td>124200 " 124800</td><td>216 "</td></tr> <tr> <td>208</td><td>124800 " 125400</td><td>217 "</td></tr> <tr> <td>209</td><td>125400 " 126000</td><td>218 "</td></tr> <tr> <td>210</td><td>126000 " 126600</td><td>219 "</td></tr> <tr> <td>211</td><td>126600 " 127200</td><td>220 "</td></tr> <tr> <td>212</td><td>127200 " 127800</td><td>221 "</td></tr> <tr> <td>213</td><td>127800 " 128400</td><td>222 "</td></tr> <tr> <td>214</td><td>128400 " 129000</td><td>223 "</td></tr> <tr> <td>215</td><td>129000 " 129600</td><td>224 "</td></tr> <tr> <td>216</td><td>129600 " 130200</td><td>225 "</td></tr> <tr> <td>217</td><td>130200 " 130800</td><td>226 "</td></tr> <tr> <td>218</td><td>130800 " 131400</td><td>227 "</td></tr> <tr> <td>219</td><td>131400 " 132000</td><td>228 "</td></tr> <tr> <td>220</td><td>132000 " 132600</td><td>229 "</td></tr> <tr> <td>221</td><td>132600 " 133200</td><td>230 "</td></tr> <tr> <td>222</td><td>133200 " 133800</td><td>231 "</td></tr> <tr> <td>223</td><td>133800 " 134400</td><td>232 "</td></tr> <tr> <td>224</td><td>134400 " 135000</td><td>233 "</td></tr> <tr> <td>225</td><td>135000 " 135600</td><td>234 "</td></tr> <tr> <td>226</td><td>135600 " 136200</td><td>235 "</td></tr> <tr> <td>227</td><td>136200 " 136800</td><td>236 "</td></tr> <tr> <td>228</td><td>136800 " 137400</td><td>237 "</td></tr> <tr> <td>229</td><td>137400 " 138000</td><td>238 "</td></tr> <tr> <td>230</td><td>138000 " 138600</td><td>239 "</td></tr> <tr> <td>231</td><td>138600 " 139200</td><td>240 "</td></tr> <tr> <td>232</td><td>139200 " 139800</td><td>241 "</td></tr> <tr> <td>233</td><td>139800 " 140400</td><td>242 "</td></tr> <tr> <td>234</td><td>140400 " 141000</td><td>243 "</td></tr> <tr> <td>235</td><td>141000 " 141600</td><td>244 "</td></tr> <tr> <td>236</td><td>141600 " 142200</td><td>245 "</td></tr> <tr> <td>237</td><td>142200 " 142800</td><td>246 "</td></tr> <tr> <td>238</td><td>142800 " 143400</td><td>247 "</td></tr> <tr> <td>239</td><td>143400 " 144000</td><td>248 "</td></tr> <tr> <td>240</td><td>144000 " 144600</td><td>249 "</td></tr> <tr> <td>241</td><td>144600 " 145200</td><td>250 "</td></tr> <tr> <td>242</td><td>145200 " 145800</td><td>251 "</td></tr> <tr> <td>243</td><td>145800 " 146400</td><td>252 "</td></tr> <tr> <td>244</td><td>146400 " 147000</td><td>253 "</td></tr> <tr> <td>245</td><td>147000 " 147600</td><td>254 "</td></tr> <tr> <td>246</td><td>147600 " 148200</td><td>255 "</td></tr> <tr> <td>247</td><td>148200 " 148800</td><td>256 "</td></tr> <tr> <td>248</td><td>148800 " 149400</td><td>257 "</td></tr> <tr> <td>249</td><td>149400 " 150000</td><td>258 "</td></tr> <tr> <td>250</td><td>150000 " 150600</td><td>259 "</td></tr> <tr> <td>251</td><td>150600 " 151200</td><td>260 "</td></tr> <tr> <td>252</td><td>151200 " 151800</td><td>261 "</td></tr> <tr> <td>253</td><td>151800 " 152400</td><td>262 "</td></tr> <tr> <td>254</td><td>152400 " 153000</td><td>263 "</td></tr> <tr> <td>255</td><td>153000 " 153600</td><td>264 "</td></tr> <tr> <td>256</td><td>153600 " 154200</td><td>265 "</td></tr> <tr> <td>257</td><td>154200 " 154800</td><td>266 "</td></tr> <tr> <td>258</td><td>154800 " 155400</td><td>267 "</td></tr> <tr> <td>259</td><td>155400 " 156000</td><td>268 "</td></tr> <tr> <td>260</td><td>156000 " 156600</td><td>269 "</td></tr> <tr> <td>261</td><td>156600 " 157200</td><td>270 "</td></tr> <tr> <td>262</td><td>157200 " 157800</td><td>271 "</td></tr> <tr> <td>263</td><td>157800 " 158400</td><td>272 "</td></tr> <tr> <td>264</td><td>158400 " 159000</td><td>273 "</td></tr> <tr> <td>265</td><td>159000 " 159600</td><td>274 "</td></tr> <tr> <td>266</td><td>159600 " 160200</td><td>275 "</td></tr> <tr> <td>267</td><td>160200 " 160800</td><td>276 "</td></tr> <tr> <td>268</td><td>160800 " 161400</td><td>277 "</td></tr> <tr> <td>269</td><td>161400 " 162000</td><td>278 "</td></tr> <tr> <td>270</td><td>162000 " 162600</td><td>279 "</td></tr> <tr> <td>271</td><td>162600 " 163200</td><td>280 "</td></tr> <tr> <td>272</td><td>163200 " 163800</td><td>281 "</td></tr> <tr> <td>273</td><td>163800 " 164400</td><td>282 "</td></tr> <tr> <td>274</td><td>164400 " 165000</td><td>283 "</td></tr> <tr> <td>275</td><td>165000 " 165600</td><td>284 "</td></tr> <tr> <td>276</td><td>165600 " 166200</td><td>285 "</td></tr> <tr> <td>277</td><td>166200 " 166800</td><td>286 "</td></tr> <tr> <td>278</td><td>166800 " 167400</td><td>287 "</td></tr> <tr> <td>279</td><td>167400 " 168000</td><td>288 "</td></tr> <tr> <td>280</td><td>168000 " 168600</td><td>289 "</td></tr> <tr> <td>281</td><td>168600 " 169200</td><td>290 "</td></tr> <tr> <td>282</td><td>169200 " 169800</td><td>291 "</td></tr> <tr> <td>283</td><td>169800 " 170400</td><td>292 "</td></tr> <tr> <td>2</td></tr></table>	No	Annual Taxable Income in Birr	Tax rate on every additional income	1	Over 600 but not exceeding 1200	10 per cent	2	1200 " 1800	11 "	3	1800 " 2400	12 "	4	2400 " 3000	13 "	5	3000 " 3600	14 "	6	3600 " 4200	15 "	7	4200 " 4800	16 "	8	4800 " 5400	17 "	9	5400 " 6000	18 "	10	6000 " 6600	19 "	11	6600 " 7200	20 "	12	7200 " 7800	21 "	13	7800 " 8400	22 "	14	8400 " 9000	23 "	15	9000 " 9600	24 "	16	9600 " 10200	25 "	17	10200 " 10800	26 "	18	10800 " 11400	27 "	19	11400 " 12000	28 "	20	12000 " 12600	29 "	21	12600 " 13200	30 "	22	13200 " 13800	31 "	23	13800 " 14400	32 "	24	14400 " 15000	33 "	25	15000 " 15600	34 "	26	15600 " 16200	35 "	27	16200 " 16800	36 "	28	16800 " 17400	37 "	29	17400 " 18000	38 "	30	18000 " 18600	39 "	31	18600 " 19200	40 "	32	19200 " 19800	41 "	33	19800 " 20400	42 "	34	20400 " 21000	43 "	35	21000 " 21600	44 "	36	21600 " 22200	45 "	37	22200 " 22800	46 "	38	22800 " 23400	47 "	39	23400 " 24000	48 "	40	24000 " 24600	49 "	41	24600 " 25200	50 "	42	25200 " 25800	51 "	43	25800 " 26400	52 "	44	26400 " 27000	53 "	45	27000 " 27600	54 "	46	27600 " 28200	55 "	47	28200 " 28800	56 "	48	28800 " 29400	57 "	49	29400 " 30000	58 "	50	30000 " 30600	59 "	51	30600 " 31200	60 "	52	31200 " 31800	61 "	53	31800 " 32400	62 "	54	32400 " 33000	63 "	55	33000 " 33600	64 "	56	33600 " 34200	65 "	57	34200 " 34800	66 "	58	34800 " 35400	67 "	59	35400 " 36000	68 "	60	36000 " 36600	69 "	61	36600 " 37200	70 "	62	37200 " 37800	71 "	63	37800 " 38400	72 "	64	38400 " 39000	73 "	65	39000 " 39600	74 "	66	39600 " 40200	75 "	67	40200 " 40800	76 "	68	40800 " 41400	77 "	69	41400 " 42000	78 "	70	42000 " 42600	79 "	71	42600 " 43200	80 "	72	43200 " 43800	81 "	73	43800 " 44400	82 "	74	44400 " 45000	83 "	75	45000 " 45600	84 "	76	45600 " 46200	85 "	77	46200 " 46800	86 "	78	46800 " 47400	87 "	79	47400 " 48000	88 "	80	48000 " 48600	89 "	81	48600 " 49200	90 "	82	49200 " 49800	91 "	83	49800 " 50400	92 "	84	50400 " 51000	93 "	85	51000 " 51600	94 "	86	51600 " 52200	95 "	87	52200 " 52800	96 "	88	52800 " 53400	97 "	89	53400 " 54000	98 "	90	54000 " 54600	99 "	91	54600 " 55200	100 "	92	55200 " 55800	101 "	93	55800 " 56400	102 "	94	56400 " 57000	103 "	95	57000 " 57600	104 "	96	57600 " 58200	105 "	97	58200 " 58800	106 "	98	58800 " 59400	107 "	99	59400 " 60000	108 "	100	60000 " 60600	109 "	101	60600 " 61200	110 "	102	61200 " 61800	111 "	103	61800 " 62400	112 "	104	62400 " 63000	113 "	105	63000 " 63600	114 "	106	63600 " 64200	115 "	107	64200 " 64800	116 "	108	64800 " 65400	117 "	109	65400 " 66000	118 "	110	66000 " 66600	119 "	111	66600 " 67200	120 "	112	67200 " 67800	121 "	113	67800 " 68400	122 "	114	68400 " 69000	123 "	115	69000 " 69600	124 "	116	69600 " 70200	125 "	117	70200 " 70800	126 "	118	70800 " 71400	127 "	119	71400 " 72000	128 "	120	72000 " 72600	129 "	121	72600 " 73200	130 "	122	73200 " 73800	131 "	123	73800 " 74400	132 "	124	74400 " 75000	133 "	125	75000 " 75600	134 "	126	75600 " 76200	135 "	127	76200 " 76800	136 "	128	76800 " 77400	137 "	129	77400 " 78000	138 "	130	78000 " 78600	139 "	131	78600 " 79200	140 "	132	79200 " 79800	141 "	133	79800 " 80400	142 "	134	80400 " 81000	143 "	135	81000 " 81600	144 "	136	81600 " 82200	145 "	137	82200 " 82800	146 "	138	82800 " 83400	147 "	139	83400 " 84000	148 "	140	84000 " 84600	149 "	141	84600 " 85200	150 "	142	85200 " 85800	151 "	143	85800 " 86400	152 "	144	86400 " 87000	153 "	145	87000 " 87600	154 "	146	87600 " 88200	155 "	147	88200 " 88800	156 "	148	88800 " 89400	157 "	149	89400 " 90000	158 "	150	90000 " 90600	159 "	151	90600 " 91200	160 "	152	91200 " 91800	161 "	153	91800 " 92400	162 "	154	92400 " 93000	163 "	155	93000 " 93600	164 "	156	93600 " 94200	165 "	157	94200 " 94800	166 "	158	94800 " 95400	167 "	159	95400 " 96000	168 "	160	96000 " 96600	169 "	161	96600 " 97200	170 "	162	97200 " 97800	171 "	163	97800 " 98400	172 "	164	98400 " 99000	173 "	165	99000 " 99600	174 "	166	99600 " 100200	175 "	167	100200 " 100800	176 "	168	100800 " 101400	177 "	169	101400 " 102000	178 "	170	102000 " 102600	179 "	171	102600 " 103200	180 "	172	103200 " 103800	181 "	173	103800 " 104400	182 "	174	104400 " 105000	183 "	175	105000 " 105600	184 "	176	105600 " 106200	185 "	177	106200 " 106800	186 "	178	106800 " 107400	187 "	179	107400 " 108000	188 "	180	108000 " 108600	189 "	181	108600 " 109200	190 "	182	109200 " 109800	191 "	183	109800 " 110400	192 "	184	110400 " 111000	193 "	185	111000 " 111600	194 "	186	111600 " 112200	195 "	187	112200 " 112800	196 "	188	112800 " 113400	197 "	189	113400 " 114000	198 "	190	114000 " 114600	199 "	191	114600 " 115200	200 "	192	115200 " 115800	201 "	193	115800 " 116400	202 "	194	116400 " 117000	203 "	195	117000 " 117600	204 "	196	117600 " 118200	205 "	197	118200 " 118800	206 "	198	118800 " 119400	207 "	199	119400 " 120000	208 "	200	120000 " 120600	209 "	201	120600 " 121200	210 "	202	121200 " 121800	211 "	203	121800 " 122400	212 "	204	122400 " 123000	213 "	205	123000 " 123600	214 "	206	123600 " 124200	215 "	207	124200 " 124800	216 "	208	124800 " 125400	217 "	209	125400 " 126000	218 "	210	126000 " 126600	219 "	211	126600 " 127200	220 "	212	127200 " 127800	221 "	213	127800 " 128400	222 "	214	128400 " 129000	223 "	215	129000 " 129600	224 "	216	129600 " 130200	225 "	217	130200 " 130800	226 "	218	130800 " 131400	227 "	219	131400 " 132000	228 "	220	132000 " 132600	229 "	221	132600 " 133200	230 "	222	133200 " 133800	231 "	223	133800 " 134400	232 "	224	134400 " 135000	233 "	225	135000 " 135600	234 "	226	135600 " 136200	235 "	227	136200 " 136800	236 "	228	136800 " 137400	237 "	229	137400 " 138000	238 "	230	138000 " 138600	239 "	231	138600 " 139200	240 "	232	139200 " 139800	241 "	233	139800 " 140400	242 "	234	140400 " 141000	243 "	235	141000 " 141600	244 "	236	141600 " 142200	245 "	237	142200 " 142800	246 "	238	142800 " 143400	247 "	239	143400 " 144000	248 "	240	144000 " 144600	249 "	241	144600 " 145200	250 "	242	145200 " 145800	251 "	243	145800 " 146400	252 "	244	146400 " 147000	253 "	245	147000 " 147600	254 "	246	147600 " 148200	255 "	247	148200 " 148800	256 "	248	148800 " 149400	257 "	249	149400 " 150000	258 "	250	150000 " 150600	259 "	251	150600 " 151200	260 "	252	151200 " 151800	261 "	253	151800 " 152400	262 "	254	152400 " 153000	263 "	255	153000 " 153600	264 "	256	153600 " 154200	265 "	257	154200 " 154800	266 "	258	154800 " 155400	267 "	259	155400 " 156000	268 "	260	156000 " 156600	269 "	261	156600 " 157200	270 "	262	157200 " 157800	271 "	263	157800 " 158400	272 "	264	158400 " 159000	273 "	265	159000 " 159600	274 "	266	159600 " 160200	275 "	267	160200 " 160800	276 "	268	160800 " 161400	277 "	269	161400 " 162000	278 "	270	162000 " 162600	279 "	271	162600 " 163200	280 "	272	163200 " 163800	281 "	273	163800 " 164400	282 "	274	164400 " 165000	283 "	275	165000 " 165600	284 "	276	165600 " 166200	285 "	277	166200 " 166800	286 "	278	166800 " 167400	287 "	279	167400 " 168000	288 "	280	168000 " 168600	289 "	281	168600 " 169200	290 "	282	169200 " 169800	291 "	283	169800 " 170400	292 "	2
No	Annual Taxable Income in Birr	Tax rate on every additional income																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
1	Over 600 but not exceeding 1200	10 per cent																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
2	1200 " 1800	11 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
3	1800 " 2400	12 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
4	2400 " 3000	13 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
5	3000 " 3600	14 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
6	3600 " 4200	15 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
7	4200 " 4800	16 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
8	4800 " 5400	17 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
9	5400 " 6000	18 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
10	6000 " 6600	19 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
11	6600 " 7200	20 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
12	7200 " 7800	21 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
13	7800 " 8400	22 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
14	8400 " 9000	23 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
15	9000 " 9600	24 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
16	9600 " 10200	25 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
17	10200 " 10800	26 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
18	10800 " 11400	27 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
19	11400 " 12000	28 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
20	12000 " 12600	29 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
21	12600 " 13200	30 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
22	13200 " 13800	31 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
23	13800 " 14400	32 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
24	14400 " 15000	33 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
25	15000 " 15600	34 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
26	15600 " 16200	35 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
27	16200 " 16800	36 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
28	16800 " 17400	37 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
29	17400 " 18000	38 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
30	18000 " 18600	39 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
31	18600 " 19200	40 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
32	19200 " 19800	41 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
33	19800 " 20400	42 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
34	20400 " 21000	43 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
35	21000 " 21600	44 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
36	21600 " 22200	45 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
37	22200 " 22800	46 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
38	22800 " 23400	47 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
39	23400 " 24000	48 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
40	24000 " 24600	49 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
41	24600 " 25200	50 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
42	25200 " 25800	51 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
43	25800 " 26400	52 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
44	26400 " 27000	53 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
45	27000 " 27600	54 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
46	27600 " 28200	55 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
47	28200 " 28800	56 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
48	28800 " 29400	57 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
49	29400 " 30000	58 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
50	30000 " 30600	59 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
51	30600 " 31200	60 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
52	31200 " 31800	61 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
53	31800 " 32400	62 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
54	32400 " 33000	63 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
55	33000 " 33600	64 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
56	33600 " 34200	65 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
57	34200 " 34800	66 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
58	34800 " 35400	67 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
59	35400 " 36000	68 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
60	36000 " 36600	69 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
61	36600 " 37200	70 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
62	37200 " 37800	71 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
63	37800 " 38400	72 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
64	38400 " 39000	73 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
65	39000 " 39600	74 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
66	39600 " 40200	75 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
67	40200 " 40800	76 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
68	40800 " 41400	77 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
69	41400 " 42000	78 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
70	42000 " 42600	79 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
71	42600 " 43200	80 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
72	43200 " 43800	81 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
73	43800 " 44400	82 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
74	44400 " 45000	83 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
75	45000 " 45600	84 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
76	45600 " 46200	85 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
77	46200 " 46800	86 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
78	46800 " 47400	87 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
79	47400 " 48000	88 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
80	48000 " 48600	89 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
81	48600 " 49200	90 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
82	49200 " 49800	91 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
83	49800 " 50400	92 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
84	50400 " 51000	93 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
85	51000 " 51600	94 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
86	51600 " 52200	95 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
87	52200 " 52800	96 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
88	52800 " 53400	97 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
89	53400 " 54000	98 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
90	54000 " 54600	99 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
91	54600 " 55200	100 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
92	55200 " 55800	101 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
93	55800 " 56400	102 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
94	56400 " 57000	103 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
95	57000 " 57600	104 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
96	57600 " 58200	105 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
97	58200 " 58800	106 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
98	58800 " 59400	107 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
99	59400 " 60000	108 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
100	60000 " 60600	109 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
101	60600 " 61200	110 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
102	61200 " 61800	111 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
103	61800 " 62400	112 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
104	62400 " 63000	113 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
105	63000 " 63600	114 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
106	63600 " 64200	115 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
107	64200 " 64800	116 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
108	64800 " 65400	117 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
109	65400 " 66000	118 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
110	66000 " 66600	119 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
111	66600 " 67200	120 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
112	67200 " 67800	121 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
113	67800 " 68400	122 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
114	68400 " 69000	123 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
115	69000 " 69600	124 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
116	69600 " 70200	125 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
117	70200 " 70800	126 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
118	70800 " 71400	127 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
119	71400 " 72000	128 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
120	72000 " 72600	129 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
121	72600 " 73200	130 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
122	73200 " 73800	131 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
123	73800 " 74400	132 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
124	74400 " 75000	133 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
125	75000 " 75600	134 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
126	75600 " 76200	135 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
127	76200 " 76800	136 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
128	76800 " 77400	137 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
129	77400 " 78000	138 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
130	78000 " 78600	139 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
131	78600 " 79200	140 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
132	79200 " 79800	141 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
133	79800 " 80400	142 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
134	80400 " 81000	143 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
135	81000 " 81600	144 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
136	81600 " 82200	145 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
137	82200 " 82800	146 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
138	82800 " 83400	147 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
139	83400 " 84000	148 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
140	84000 " 84600	149 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
141	84600 " 85200	150 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
142	85200 " 85800	151 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
143	85800 " 86400	152 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
144	86400 " 87000	153 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
145	87000 " 87600	154 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
146	87600 " 88200	155 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
147	88200 " 88800	156 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
148	88800 " 89400	157 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
149	89400 " 90000	158 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
150	90000 " 90600	159 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
151	90600 " 91200	160 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
152	91200 " 91800	161 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
153	91800 " 92400	162 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
154	92400 " 93000	163 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
155	93000 " 93600	164 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
156	93600 " 94200	165 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
157	94200 " 94800	166 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
158	94800 " 95400	167 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
159	95400 " 96000	168 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
160	96000 " 96600	169 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
161	96600 " 97200	170 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
162	97200 " 97800	171 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
163	97800 " 98400	172 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
164	98400 " 99000	173 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
165	99000 " 99600	174 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
166	99600 " 100200	175 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
167	100200 " 100800	176 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
168	100800 " 101400	177 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
169	101400 " 102000	178 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
170	102000 " 102600	179 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
171	102600 " 103200	180 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
172	103200 " 103800	181 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
173	103800 " 104400	182 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
174	104400 " 105000	183 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
175	105000 " 105600	184 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
176	105600 " 106200	185 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
177	106200 " 106800	186 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
178	106800 " 107400	187 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
179	107400 " 108000	188 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
180	108000 " 108600	189 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
181	108600 " 109200	190 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
182	109200 " 109800	191 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
183	109800 " 110400	192 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
184	110400 " 111000	193 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
185	111000 " 111600	194 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
186	111600 " 112200	195 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
187	112200 " 112800	196 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
188	112800 " 113400	197 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
189	113400 " 114000	198 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
190	114000 " 114600	199 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
191	114600 " 115200	200 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
192	115200 " 115800	201 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
193	115800 " 116400	202 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
194	116400 " 117000	203 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
195	117000 " 117600	204 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
196	117600 " 118200	205 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
197	118200 " 118800	206 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
198	118800 " 119400	207 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
199	119400 " 120000	208 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
200	120000 " 120600	209 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
201	120600 " 121200	210 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
202	121200 " 121800	211 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
203	121800 " 122400	212 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
204	122400 " 123000	213 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
205	123000 " 123600	214 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
206	123600 " 124200	215 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
207	124200 " 124800	216 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
208	124800 " 125400	217 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
209	125400 " 126000	218 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
210	126000 " 126600	219 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
211	126600 " 127200	220 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
212	127200 " 127800	221 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
213	127800 " 128400	222 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
214	128400 " 129000	223 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
215	129000 " 129600	224 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
216	129600 " 130200	225 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
217	130200 " 130800	226 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
218	130800 " 131400	227 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
219	131400 " 132000	228 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
220	132000 " 132600	229 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
221	132600 " 133200	230 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
222	133200 " 133800	231 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
223	133800 " 134400	232 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
224	134400 " 135000	233 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
225	135000 " 135600	234 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
226	135600 " 136200	235 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
227	136200 " 136800	236 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
228	136800 " 137400	237 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
229	137400 " 138000	238 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
230	138000 " 138600	239 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
231	138600 " 139200	240 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
232	139200 " 139800	241 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
233	139800 " 140400	242 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
234	140400 " 141000	243 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
235	141000 " 141600	244 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
236	141600 " 142200	245 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
237	142200 " 142800	246 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
238	142800 " 143400	247 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
239	143400 " 144000	248 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
240	144000 " 144600	249 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
241	144600 " 145200	250 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
242	145200 " 145800	251 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
243	145800 " 146400	252 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
244	146400 " 147000	253 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
245	147000 " 147600	254 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
246	147600 " 148200	255 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
247	148200 " 148800	256 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
248	148800 " 149400	257 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
249	149400 " 150000	258 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
250	150000 " 150600	259 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
251	150600 " 151200	260 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
252	151200 " 151800	261 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
253	151800 " 152400	262 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
254	152400 " 153000	263 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
255	153000 " 153600	264 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
256	153600 " 154200	265 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
257	154200 " 154800	266 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
258	154800 " 155400	267 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
259	155400 " 156000	268 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
260	156000 " 156600	269 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
261	156600 " 157200	270 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
262	157200 " 157800	271 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
263	157800 " 158400	272 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
264	158400 " 159000	273 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
265	159000 " 159600	274 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
266	159600 " 160200	275 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
267	160200 " 160800	276 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
268	160800 " 161400	277 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
269	161400 " 162000	278 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
270	162000 " 162600	279 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
271	162600 " 163200	280 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
272	163200 " 163800	281 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
273	163800 " 164400	282 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
274	164400 " 165000	283 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
275	165000 " 165600	284 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
276	165600 " 166200	285 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
277	166200 " 166800	286 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
278	166800 " 167400	287 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
279	167400 " 168000	288 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
280	168000 " 168600	289 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
281	168600 " 169200	290 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
282	169200 " 169800	291 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
283	169800 " 170400	292 "																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
2																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								

Table XXIX Ethiopia Summary of Tax System as of March 1982 (continued)

(All amounts in birr)

Tax	Nature of Tax	Deductions and Exemptions	Rates			
1.3 Tax on business and other profits:						
1.31 Unincorporated businesses	Tax on income from all sources other than those mentioned elsewhere	None	Annual taxable income not exceeding:			
			300	10.00		
			500	18.00		
			700	24.00		
			900	40.00		
			1200	70.00		
1.32 All businesses	Tax on income derived from casual rental of property	None	Annual taxable income not exceeding:			
			No	Annual Taxable Income in Birr	Tax rate on every additional income	
			1	Over 1200 but not exceeding 3000	on the next 1800 10 per cent	
			2	3000 "	6000 "	3000 11 "
			3	6000 "	9000 "	3000 14 "
			4	" 9000 "	12000 "	3000 20 "
			5	" 12000 "	15000 "	3000 26 "
			6	" 15000 "	18000 "	3000 33 "
			7	" 18000 "	21000 "	3000 40 "
			8	" 21000 "	24000 "	3000 47 "
			9	" 24000 "	27000 "	3000 54 "
			10	" 27000 "	30000 "	3000 61 "
			11	" 30000 "	33000 "	3000 68 "
12	" 33000 "	36000 "	3000 75 "			
13	" 36000 "		82			
1.33 Incorporated businesses	Profit tax	Cooperative societies are exempt	50 per cent of taxable income			
4 Members of Cooperative Societies (Organized under the Cooperative Societies Proclamation)	Annual income received from a cooperative society by an individual	Exemption for annual income not exceeding Br 500	Same as under 1.3			
5 Other source of income	a Income from dividends to shareholders	None	25 per cent			
	b Income from chance winnings and lot	Exemption for annual income not exceeding Br 100	10 per cent			
	c Income from royalty	None	40 per cent			
	d Income of nonresident persons or organizations for services rendered to persons or organizations in Ethiopia	None	10 per cent			

Table XXIX. Ethiopia: Summary of Tax System as of March 1982 (continued)

(All amounts in birr)

Tax	Nature of Tax	Deductions and Exemptions	Rates														
<u>Taxes on goods and services</u>																	
<u>2.1 General sales tax</u>																	
2.11 Turnover tax: Proclamation No. 23/1975	Tax on gross receipts from sale in Ethiopia of movable goods. Except as noted, the tax covers sales by manufacturers, wholesalers or retailers. The tax is payable by the seller within 30 days after the end of each quarter. Sellers with an annual turnover of Br 24 000 or more must keep books and pay on the basis of exact accounts; smaller sellers may pay on the basis of turnover estimated by the tax authority.	The following sales are exempt: (1) sale by an importer to a person (natural or juridical) acquiring the goods for direct export sale; (2) sale by a manufacturer to a person acquiring the goods for resale; (3) sale by an agricultural producer to a person acquiring the goods for resale; (4) sale of petroleum products, books and newspapers, lottery tickets, and water, electricity, telephone, and telegraph services.	2 per cent of turnover, exclusive of turnover tax and of transaction tax on locally produced goods.														
2.12 Transaction tax on locally produced goods (Transaction Taxes (Amendment)) Proclamation No. 159/1979	Tax on gross amount received from sale by manufacturers of locally produced goods, and on the equivalent value of locally produced goods disposed of by manufacturers other than by sale. The tax is payable by the manufacturer 30 days after the end of each month.	Customs duties and transactions taxes paid on imports may be deducted from gross receipts if the goods bearing the tax were imported solely for further processing in Ethiopia and were incorporated with the product. Customs duties are not deductible if goods were similar to the dutiable goods were available in Ethiopia. Most excise taxes paid are deductible from gross receipts. Sales of the following goods are exempt: goods directly exported, goods purchased from the manufacturer for incorporation in other taxed manufactures, and flour, bread, milk, ice, coffee, tailor-made suits and dresses, tires, and petroleum products.	Rates exclusive of turnover tax and of transaction tax on locally produced goods: Pharmaceutical items, locally produced: 5 per cent. All other items locally produced: 7 per cent.														
<u>2.2 Selective excises</u>																	
2.21 Tax on construction work	None	None															
2.22 Tobacco: Proclamation No. 255/1971 Proclamation No. 18/1975 Proclamation No. 154/1978	Excise paid by domestic manufacturers of tobacco products and matches on monthly sales and by importers on import value. Covers tobacco leaf, cigarettes, cigars, cigarillos, pipe tobacco, snuff, and other tobacco products, covers wooden and wax taper matches.	None	Tobacco products: 75 per cent, exclusive of tax. Matches: specific rates between Br 0.04-0.11 per match box.														
2.23 Alcohol: Proclamation No. 17/1975 Proclamation No. 160/1979	Specific rates charged on alcoholic beverages imported or manufactured in Ethiopia. Tax on imported alcoholic beverages is levied and collected by the Customs Administration at the time of customs clearance. Tax stamps are affixed to the bottles. Tax on locally produced alcoholic beverages is collected through sale to manufacturers of revenue stamps, which must be affixed to bottles before they leave the bonded warehouse at the place of manufacture.	Alcohol imported in transit or by diplomats is exempt, as are sacramental wines.	Over 30 specific rates exist, differentiated according to the type of beverage and whether it is imported or not. In most cases, imported and domestic beverages bear the same rate. Sample rates: <table><tr><th>Beverages and bottle size</th><th>Amount of Tax</th></tr><tr><td>Alcohol of not less than 96 degrees, 1 liter</td><td>Br 8.00</td></tr><tr><td>Alcoholic liquors, imported, 1 liter</td><td>Br 3.50</td></tr><tr><td>Wine, 700 milliliters to 1 liter imported</td><td>Br 3.50</td></tr><tr><td>Wine, domestic, with price above Br 3.00</td><td>Br 1.25</td></tr><tr><td>Beer, domestic, 650 milliliters to 1 liter</td><td>Br 0.65</td></tr><tr><td>Beer, domestic, 350 milliliters to 650 milliliters</td><td>Br 0.55</td></tr></table>	Beverages and bottle size	Amount of Tax	Alcohol of not less than 96 degrees, 1 liter	Br 8.00	Alcoholic liquors, imported, 1 liter	Br 3.50	Wine, 700 milliliters to 1 liter imported	Br 3.50	Wine, domestic, with price above Br 3.00	Br 1.25	Beer, domestic, 650 milliliters to 1 liter	Br 0.65	Beer, domestic, 350 milliliters to 650 milliliters	Br 0.55
Beverages and bottle size	Amount of Tax																
Alcohol of not less than 96 degrees, 1 liter	Br 8.00																
Alcoholic liquors, imported, 1 liter	Br 3.50																
Wine, 700 milliliters to 1 liter imported	Br 3.50																
Wine, domestic, with price above Br 3.00	Br 1.25																
Beer, domestic, 650 milliliters to 1 liter	Br 0.65																
Beer, domestic, 350 milliliters to 650 milliliters	Br 0.55																

Table XIX. Ethiopia: Summary of Tax System as of March 1982 (continued)

(All amounts in birr)

Tax	Nature of Tax	Deductions and Exemptions	Rates	
2 24 Petroleum products: Proclamation No 314/1973 Proclamation No 45/1975	Specific tax levied on import or manufacture of petroleum products. Payable through customs by importer or by monthly return by manufacturer	The following products are exempt: (1) crude petroleum destined for further processing within Ethiopia; (2) petroleum products sold to Ethiopian government airlines, navy, railways, electricity production; (3) exports; (4) petroleum products for use in minerals exploration	<u>Product</u>	<u>Amount</u>
			Light petroleum	0.10/kg.
			Regular kerosene	0.105/liter
			Super kerosene	0.135/liter
			Naphtha, diesel oil	0.065/liter
			Kerosene	0.05/liter
			Lubricating oils	0.10/kg.
2 25 Iron and steel: Proclamation No 285/1971	Specific excise on certain iron and steel products, payable by importers through customs and by domestic manufacturers on a monthly basis	Not available	<u>Item</u>	<u>Amount</u>
			Iron and steel rods and bars	1.00/100 kg
			Iron and steel sheets	0.10/kg.
2 26 Soft drinks: Proclamation No 285/1971	Specific excises on soft drinks and mineral water, payable by domestic manufacturers or at the time of import by importers	None	<u>Size of container</u>	<u>Amount</u>
			Soft drinks:	
			Up to 250 cc.	0.02
			250 cc. up to 350 cc.	0.03
			350 cc. up to 1 liter	0.05
			Mineral water:	
			Up to 1 liter	0.02
2 27 Sugar: Proclamation No. 153/1978	Specific excise payable monthly by domestic producers or collected through customs from importers	Molasses	21.00 per 100 kilos	
2 28 Textiles: Proclamation No 285/1971 Proclamation No 153/1978	Specific rates applied to textiles by weight. Payable at customs by importers and on a monthly basis by domestic manufacturers	Not available	<u>Type of textiles</u>	<u>Amount/kg</u>
			Cotton yarn	0.25
			Cotton fabrics	0.49
			Silk nylon fabric	2.82
2 29 Leather and footwear: Proclamation No 285/1971 Proclamation No. 153/1978	Specific rate collected per pair of shoes and other footwear from importers at customs and from domestic manufacturers through monthly returns	None	<u>All leather(domestic)</u>	<u>Per cent</u>
			Footwear per pair	40.0
			Imported	16.0
			Domestic without leather	16.0
2 30 Plastic or rubber products: Proclamation No 285/1971	Tax payable on plastic or rubber products by importers at customs and from domestic manufacturers by monthly returns	Plastic and rubber footwear subject to the footwear excise is exempt		
2 31 Salt: Decree No 38/1959	Tax on salt as produced, mined, or collected within Ethiopia or imported into the country, payable by importer or producer	None	<u>Percentage of foreign elements in salt:</u>	<u>Amount/100 kg</u>
			Not over 10 per cent	8.00
			Over 10 per cent but not over 30 per cent	5.00
			Over 30 per cent	3.00

Table XXIX. Ethiopia: Summary of Tax System as of March 1982 (continued)

(All amounts in birr)

Tax	Nature of Tax	Deductions and Exemptions	Rates	
3 <u>Taxes on international trade and transactions:</u>				
3.1 <u>Taxes on imports:</u>				
3.1.1 Customs duties; Tariff Regulations Nos 42/1976, 52/1977, 58/1979	The customs tariff applies to all imports. Items imported are classified into approximately 300 categories, according to a system developed in Ethiopia. The Brussels Tariff Nomenclature has not been adopted.	Capital goods are exempt.	Intermediate goods tax rates mostly below 50 per cent. Most consumer goods are taxed 100 per cent, and luxury consumer goods 200 per cent.	
3.1.2 Transactions tax on goods imported or exported; Proclamation No 307/1972	Tax on goods imported or exported is charged, levied and, collected by the Customs Administration at the point of entry or exit of the goods. The general rules for assessment and collection applicable to customs duties also apply to the transactions tax	The following goods are exempt: (1) agricultural and industrial machinery, (2) building materials, if approved by Ministry of Finance; (3) goods for re-exports, (4) diplomatic and consular goods and personal baggage of travelers; (5) petroleum products; (6) packing materials and containers used in export of locally manufactured goods	18 per cent on imports 2 per cent on exports	
3.2 <u>Taxes on exports:</u>				
3.2.1 Coffee export cess, Proclamation No. 310/1973	Tax payable by exporters of Ethiopian-grown coffee, collected through Customs Administration at time of export	None	Br 5.00 quintal	
3.2.2 Coffee surtax: Coffee Surtax (Amendment) Regulation No. 62/1978 Regulation No 55/1979	Specific tax per 100 kilo bag on all coffee exported from Ethiopia, payable at time of export by exporter to Customs Administration. The tax is graduated according to the composite daily price pursuant to the International Coffee Agreement 1973, ex-dock New York, prevailing at the close of business of the last working day preceding the day of the payment of the surtax. When a forward contract has been made, the price in force at the time the contract is registered is used as the reference point	No deductions or exemptions are provided	Reference Price (US cents per pound)	Surtax Amount/ 100 kg.
			0-49	Nil
			50-59	1
			60-100	2
			101 and over	3
			So, for example, if the reference price is US\$2.00, the surtax is 0+2+1+00+300=Br 421 per quintal.	

Table VIII Ethiopia: Summary of Tax System as of March 1982 (concluded)

(All amounts in birr)

Tax	Nature of Tax	Deductions and Exemptions	Rates		
			Product	FOB Price/100 kg.	Rate Per Cent
3.23 Meat and agricultural products surtax: Proclamation No. 39/1943 Legal Notice No. 2/1975	Tax levied on various exports of meat and other agricultural products. Presently in suspension except with regard to cotton seed and sugar.	Not available.			
			Haricot beans and sesame	Up to 70 Over 70 up to 100 Over 100 up to 130 Over 130	Nil 20 30 40
			Neung seed	Up to 40 Over 40 up to 80 Over 80 up to 120 Over 120	Nil 40 50 60
			Meat (not canned)	Up to 95 Over 95 up to 125 Over 125 up to 220 Over 220	Nil 20 40 50
			Cotton seed	Up to 20 Over 20 up to 80 Over 80 up to 120 Over 120	Nil 20 30 40
			Cattle, sheep and goats	Up to 40 Over 40 up to 80 Over 80 up to 120 Over 120	Nil 40 50 60
			Lentils	Up to 60 Over 60 up to 80 Over 80 up to 120 Over 120	Nil 20 30 40
			Cotton	Up to 45 Over 45 up to 80 Over 80 up to 120 Over 120	Nil 20 30 40
				FOB Price/1,000 kg.	
			Sugar	Up to 600 Over 600 up to 960 Over 960 up to 1,440 Over 1,440 up to 1,920 Over 1,920	Nil 80 85 90 95
3.3 Exchange taxes	None	None			
4 Other taxes:					
4.1 Poll taxes	None	None			
4.2 Stamp duties Decree No. 26/1957	Obligatory use of stamped paper for many legal documents, such as contracts or papers in court proceedings; requirement that stamps be affixed to other documents, such as bills of exchange, leases, and insurance policies, as well as tickets of admission to public entertainment	Stamp duties are not levied on documents where the Ethiopian Government, foreign embassies, consulates, etc., would be the party subject to duty	Various, according to type of document and value of transaction		

Source Ministry of Finance.

Table XXX. Ethiopia: Monetary Survey, 1977-81

(In millions of birr; end of period)

	June				December	
	1977	1978	1979	1980	1981	1981
Foreign assets (net)						
National Bank (net)	807.9	547.4	452.6	371.7	249.5	346.7
Commercial Bank (net)	(646.1)	(432.0)	(270.4)	(218.2)	(114.7)	(101.9)
Claims on Government (net)	(161.8)	(115.4)	(182.2)	(153.5)	(134.8)	(37.1)
National Bank (net)	443.2	766.3	862.3	968.1	1,107.9	1,076.5
Commercial Bank (net)	(343.0)	(600.3)	(743.7)	(766.5)	(946.5)	(862.0)
Claims on other sectors	(100.2)	(166.0)	(118.6)	(201.6)	(161.4)	(148.0)
National Bank	642.3	912.0	1,222.7	1,644.2	1,721.8	1,639.2
Commercial Bank	(117.3)	(216.9)	(364.3)	(566.4)	(797.5)	(854.6)
Assets = Liabilities	(525.0)	(695.1)	(858.4)	(1,077.8)	(924.3)	(946.7)
	1,893.4	2,225.7	2,537.6	2,984.0	3,079.2	3,213.5
Money						
Currency outside banks	998.8	1,195.8	1,352.6	1,498.6	1,425.5	1,255.6
Demand deposits (net) 1/	(696.6)	(857.2)	(952.1)	(1,062.9)	(1,027.1)	(1,029.2)
Quasi-money	(302.2)	(338.6)	(400.5)	(435.7)	(398.4)	(226.4)
Savings deposits	471.6	495.0	506.7	610.1	662.3	628.2
Time deposits	(317.4)	(333.4)	(371.0)	(427.9)	(472.4)	(442.2)
Other items (net)	(154.2)	(161.6)	(135.7)	(182.2)	(189.9)	(186.0)
National Bank (net)	423.0	534.9	678.3	875.3	991.4	970.9
Commercial Bank (net)	(409.8)	(392.0)	(426.3)	(488.2)	(831.6)	(693.6)
	(13.2)	(142.9)	(252.0)	(387.1)	(159.8)	(277.3)
Memorandum items						
Domestic credit	1,085.5	1,678.3	2,085.0	2,612.3	2,829.7	2,715.7
Domestic assets (net) 2/	662.5	1,143.4	1,406.7	1,737.0	1,838.3	1,744.8
Money and quasi-money	1,470.4	1,690.8	1,859.3	2,108.7	2,087.8	1,883.8
Net domestic assets (revised) 1/				1,960.5	2,128.1	2,057.5
Money and quasi-money (revised) 1/				2,332.2	2,377.6	2,196.5

Source: Appendix Tables XXXI and XXXII.

1/ See Appendix Table XXXII for explanation.

2/ Equals domestic credit less other items (net).

Table XXXI. Ethiopia: Statement of the National Bank of Ethiopia, 1977-81

(In millions of birr; end of period)

	June				December	
	1977	1978	1979	1980	1980	1981
Foreign assets						
Convertible assets	650.3	435.1	273.4	332.0	203.6	576.6
Bilateral assets	(650.3)	(361.8)	(227.0)	(323.2)	(203.6)	(576.6)
Claims on Government	(--)	(73.3)	(46.4)	(8.8)	(--)	(--)
Claims on specialized banks 1/	454.3	731.3	869.2	915.0	1,022.8	969.3
Other assets	117.3	216.8	364.3	566.4	692.4	854.6
Assets = Liabilities	247.7	229.7	220.2	193.0	189.1	137.2
	1,469.4	1,612.9	1,727.1	2,006.4	2,108.9	2,537.7
Reserve money						
Currency outside banks	974.5	1,064.1	1,156.2	1,220.5	1,354.7	1,553.5
Currency held by banks	(696.6)	(857.2)	(952.0)	(1,062.8)	(1,029.2)	(1,039.2)
Bankers' deposits	(40.2)	(57.2)	(60.4)	(74.2)	(78.6)	(71.2)
Government deposits 2/	(237.7)	(149.7)	(143.8)	(83.5)	(246.9)	(443.1)
Foreign liabilities (short-term) 3/4/	111.3	(131.0)	125.5	148.5	95.3	107.3
Capital accounts 5/	4.2	3.1	3.0	113.8	101.7	251.7
Other liabilities	96.8	121.7	157.0	192.1	178.4	187.4
	282.5	292.9	285.4	331.5	378.8	437.7

Sources: National Bank of Ethiopia; and IMF Data Fund.

1/ From June 1975, credit in Agricultural and Industrial Development Bank supporting its loans to state farms and enterprises.

2/ May include deposits of some extrabudgetary entities as well as of Central Government.

3/ Includes use of Fund credit.

4/ Excludes Trust Fund loans, since they are treated as government (rather than central bank) foreign borrowing.

5/ Includes counterpart of SDR allocations.

Table XXXII. Ethiopia: Consolidated Statement of the Commercial Bank, 1977-81

(In millions of birr; end of period)

	June					December	
	1977	1978	1979	1980	1981	1980	1981
Reserves	281.4	223.3	207.4	144.7	415.7	324.6	514.3
Cash on hand	(40.2)	(57.2)	(60.4)	(74.2)	(75.8)	(78.6)	(71.2)
Deposits with							
National Bank	(241.2)	(166.1)	(147.0)	(70.5)	(339.9)	(246.0)	(443.1)
Foreign assets	184.1	142.4	205.8	202.6	191.9	105.1	132.0
Claims on Government	132.6	198.1	159.3	261.6	262.3	216.5	292.2
Claims on other sectors	525.0	695.1	858.4	1,077.8	924.3	946.8	746.7
On specialized banks <u>1/</u>	(29.5)	(39.5)	(46.1)	(76.9)	(87.9)	(72.0)	(90.0)
On enterprises, etc., <u>2/</u>	(495.5)	(655.6)	(812.3)	(1,000.8)	(836.4)	(874.8)	(856.7)
Other assets	99.2	127.0	100.5	92.1	58.3	64.1	59.7
Assets = Liabilities	<u>1,222.3</u>	<u>1,385.9</u>	<u>1,531.4</u>	<u>1,778.8</u>	<u>1,852.5</u>	<u>1,657.1</u>	<u>1,944.9</u>
Demand deposits (net)	302.2	338.6	400.5	435.7	398.4	226.4	361.5
Deposits, gross <u>3/</u>	(410.3)	(502.2)	(604.7)	(670.9)	(694.5)	(556.4)	(693.2)
Uncleared effects <u>4/</u>	(-108.1)	(-163.6)	(-204.2)	(-235.2)	(-296.1)	(-330.0)	(-331.7)
Quasi-money deposits	471.6	494.9	506.7	610.1	662.3	628.2	718.4
Savings deposits	(317.4)	(333.4)	(371.0)	(427.9)	(472.4)	(442.2)	(490.0)
Time deposits	(154.2)	(161.5)	(135.7)	(182.2)	(189.9)	(186.0)	(228.4)
Foreign liabilities							
(short-term)	22.3	27.0	23.6	49.1	57.1	68.0	110.2
Long-term							
foreign loan <u>5/</u>	23.8	21.7	19.5	17.3	15.2	16.2	14.1
Government deposits <u>6/</u>	32.4	32.1	40.7	60.0	100.9	68.5	88.7
Capital accounts	61.5	78.9	84.8	111.7	92.1	81.1	83.4
Other liabilities <u>3/</u>	308.5	392.7	455.6	494.9	526.5	568.7	568.6
Memorandum items:							
Uncleared checks				-11.8	-6.2	-17.2	-12.6
Net demand deposits (revised)				659.1	688.3	539.2	680.6

Sources: National Bank of Ethiopia; and IMF Data Fund.

1/ Commercial bank shares in, credit to, and deposits with specialized banks.2/ Claims on nonbank public enterprises, cooperatives, and private businesses and individuals.3/ Includes some import margin deposits, of a quasi-money kind.4/ Includes uncleared checks (for which data are available only from June 1980 onward and, therefore, for consistency are not used) as well as items in transit between branches. But only uncleared checks should be netted out of gross demand deposits, and thus net demand deposits are understated and other liabilities (and, therefore, other items net) are overstated.5/ Twenty-year foreign loan liability.6/ May include deposits of some extrabudgetary entities as well as of Central Government.

Table XXXIII. Ethiopia: Sectoral Breakdown of Commercial Bank
Claims on Enterprises, Etc., 1977-81 ^{1/}

(In millions of birr; end of period)

	1977	1978	June 1979	1980	1981
Industry	78.1	87.0	108.1	124.9	129.0
Textiles	20.2	26.2	31.0	31.4	30.1
Other	57.9	60.8	77.1	93.5	98.9
Agriculture	54.4	57.5	33.5	88.1	46.9
Exports	109.5	114.6	141.5	141.3	91.2
Coffee	82.2	84.9	108.9	88.0	24.5
Noncoffee	27.3	29.7	32.6	53.3	66.7
Imports	123.1	137.4	148.6	168.3	377.0
Building materials ^{2/}	12.4	0.2	--	--	--
Machinery and tools	15.8	11.2	16.2	11.1	54.1
Vehicles and parts	33.8	29.6	22.0	26.4	--
Textiles	7.9	8.9	4.7	1.7	3.5
Other	53.2	87.5	105.7	120.2	319.0
Construction ^{3/}	47.6	28.8	81.2	82.8	95.7
Domestic trade and services	99.9	125.2	218.3	335.6	219.6
Transport	15.4	36.0	46.5	83.6	67.2
Cereals and pulses ^{4/}	23.1	32.3	--	--	42.3
Coffee	10.9	5.7	11.8	13.0	--
Other crops	--	--	--	157.3	--
Other ^{5/}	50.4	51.2	160.0	81.7	110.1
Personal	8.8	8.9	6.2	13.3	12.1
Total reported	521.3	559.4	737.3	954.4	971.5
Coverage differences	-25.8	96.2	75.0	46.5	-135.1
Balance sheet total	495.5	655.6	812.3	1,000.9	836.4

Source: National Bank of Ethiopia.

^{1/} Coverage differs from balance sheet (Appendix Table XXXII) due to inclusion of doubtful debts and some foreign uncleared effects, as well as to incomplete sectoral reporting by branches.

^{2/} Reclassified under "Construction" from 1979 onward.

^{3/} Adjusted to exclude long-term credit to and shares in Housing and Savings Bank. Deposits placed with it are not included in the original data.

^{4/} Reclassified under "Crops" from 1979 onward.

^{5/} Includes unclassified overdraft facilities utilized.

Table XXXIV. Ethiopia: Consolidated Statement of the Specialized Banks, 1977-81 1/

(In millions of birr; end of period)

	June				December	
	1977	1978	1979	1980	1981	1981
Cash and balances with domestic banks	29.1	46.8	43.0	42.7	51.6	49.0
Foreign assets	0.7	15.1	5.0	4.4	1.8	3.6
Claims on Government	--	10.1	10.0	56.3	56.3	56.3
Claims on enterprises, etc. 2/	406.7	530.1	718.3	991.9	1,261.0	1,161.0
AIDB	(323.9)	(434.1)	(590.2)	(821.2)	(...)	(...)
HSB and predecessors	(82.8)	(96.0)	(128.1)	(170.7)	(...)	(...)
Assets = Liabilities	436.5	622.0	776.6	1,095.3	1,370.7	1,269.9
Time and savings deposits 3/	74.6	104.0	135.9	165.0	228.9	228.4
Credit from commercial bank 4/	26.4	37.1	31.2	80.4	75.3	52.5
Credit from National Bank (to AIDB)	117.3	216.8	364.3	566.4	797.5	692.4
Credit from Government	24.7	24.1	23.3	24.4	18.1	22.3
Foreign loans and advances	72.1	95.5	97.8	152.5	143.1	152.4
Capital accounts 5/	117.6	117.6	115.0	118.7	102.9	114.8
Other items (net)	3.8	6.9	9.1	-12.1	4.9	7.5
						23.0

Source: National Bank of Ethiopia.

1/ The Agricultural and Industrial Development Bank (AIDB) and the Housing and Savings Bank (HSB).

2/ Claims on state enterprises, cooperatives, private businesses, and individuals.

3/ Mainly fixed deposits at HSB by the Ethiopian Insurance Corporation, the Pension Commission, and the Commercial Bank of Ethiopia (CBE).

4/ Mainly a long-term credit from CBE to HSB. Excludes deposits and shareholdings but includes accrued interest.

5/ Includes AIDB capital (Br 100 million), HSB capital (Br 6 million, of which Br 3 million is CBE shareholdings), reserves, provisions, profit and loss accounts, etc.

Table XXXV. Ethiopia: AIDB Loans Outstanding, 1977-81 1/

(In millions of birr)

	1977		1978		1979		1980		1981
	June	December	June	December	June	December	June	December	June
Agriculture	154.1	194.0	216.0	263.8	334.9	404.1	485.5	620.7	698.6
Industry	53.1	53.0	58.9	75.3	82.8	84.8	96.5	101.9	113.3
Other sectors	23.6	35.4	44.0	61.5	64.4	72.1	101.2	102.1	105.7
Total	230.8	282.4	318.9	400.6	482.1	561.0	683.2	824.7	917.6
<u>Memorandum items:</u>									
Credit from National Bank	117.3	167.2	216.8	282.4	364.3	441.3	566.4	692.4	797.5
Changes from previous period									
Total loans outstanding	9.1	51.6	36.5	81.7	81.5	78.9	122.2	141.5	92.9
Credit from National Bank	12.3	49.9	49.6	65.6	81.9	77.0	125.1	126.0	105.1

Source: AIDB.

1/ Includes provisions for bad and doubtful debts. Balance sheet total excludes provisions but includes past investment (mostly now nationalized) and miscellaneous claims.

Table XXXVI. Ethiopia: Structure of Interest Rates
(In per cent)

A. Deposit rates

Commercial Bank of Ethiopia

1. Time deposits	
30 days notice	4
3 months to less than 6 months	4
6 months to less than 12 months	5
Over 12 months	6
2. Savings deposits	
Regular passbook savings	6

B. Lending rates

1. Commercial Bank of Ethiopia	
Loans against deposit (110 per cent deposit)	8
Export loans	8 1/2
Personal loans	10
Loans under litigation	12
Other loans (term and overdraft loans)	9 1/2
2. Housing and Savings Bank	
Loans for the purchase of housing	10
Loans for the construction of housing	9
3. Agricultural and Industrial Development Bank	
Loans for working capital	9
Loans for fixed investment	9 1/2
Loans for fertilizer	10 1/2
4. National Bank of Ethiopia	
Direct advances to the Government	3
Government bonds	7
Loans to banks against Treasury bills	6
Loans to banks against export documents	5
Loans to banks against all other documents	6 1/2
Loans to AID Bank	6 1/2

Source: National Bank of Ethiopia.

Table XXXVII. Ethiopia: International Reserves and Net Foreign Assets, 1977-81

(In millions of birr; end of period)

	June				December	
	1977	1978	1979	1980	1981	1981
National Bank (net)	646.1	432.0	270.5	218.2	114.6	324.9
Reserve assets	650.3	361.8	227.0	323.2	297.0	576.6
Gold	(22.8)	(23.3)	(23.8)	(50.5)	(49.2)	(48.2)
SDRs	(--)	(--)	(1.7)	(8.9)	(4.7)	(26.3)
IMF reserve position 1/	(17.7)	(18.8)	(--)	(--)	(9.8)	(--)
Foreign exchange	(609.8)	(319.7)	(201.5)	(263.8)	(234.3)	(502.1)
Bilateral assets	--	73.3	46.5	8.8	--	--
Liabilities (-) 2/	-4.2	-3.1	-3.0	-113.8	-182.4	-251.7
Commercial banks (net)	161.8	115.4	182.2	153.5	134.8	21.8
Assets	184.1	142.4	205.8	202.6	191.9	132.0
Liabilities (-) 2/	-22.3	-27.0	-23.6	-49.1	-57.1	-110.2
Net foreign assets	807.9	547.4	452.7	371.7	249.4	346.7
Total assets	834.4	577.5	479.3	534.6	488.9	708.6
Total liabilities (-) 2/	-26.5	-30.1	5.6	-162.9	-239.5	-361.9
Memorandum items:						
Imports in fiscal year 3/	910.3	1,125.9	1,219.1	1,468.2	1,462.9	
Import cover (in months) 4/						
Reserve assets (National Bank)	8.6	3.9	2.2	2.6	2.4	
Total assets	11.0	6.2	4.7	4.4	4.0	
Net foreign assets	10.7	5.8	4.5	3.0	2.0	

Sources: National Bank of Ethiopia; and IMF Data Fund.

1/ Based on Fund records, which reflect valuation changes monthly, whereas National Bank balance sheet does not.

2/ Short-term liabilities only; data exclude Trust Fund loan to National Bank and commercial bank long-term borrowing.

3/ C.i.f. basis. Reflects adjustments made for balance of payments purposes.

4/ Ratio of reserves at end of month to imports in year ended that month, expressed in months of imports.

Table XXXVIII. Ethiopia: Balance of Payments, 1977/78-1980/81 1/
(In millions of SDRs)

	1977/78	1978/79	1979/80	1980/81
Trade balance	-183.3	-178.7	-180.6	-239.4
Exports, f o.b.	270.1	280.8	364.5 <u>2/</u>	322.6
Coffee	(206.4)	(204.1)	(234.5)	(201.4)
Noncoffee	(63.7)	(76.7)	(120.1)	(121.2)
Imports <u>3/</u>	-453.4	-459.5	-545.1	-562.0
Net services	16.5	16.4	21.0	27.5
Travel	-1.1	1.6	2.9	3.3
Other transportation	11.6	6.8	8.4	16.9
Investment income	-3.7	-2.0	5.6	-5.2
Government, n.i.e.	4.5	4.6	2.5	2.0
Other services	5.2	5.4	1.6	10.0
Private transfers	12.4	18.2	15.4	19.6
Current account balance	-154.4	-144.1	-144.2	-192.3
Public transfers (net)	44.3	46.6	46.0	41.5
Nonmonetary capital	19.4	42.2	62.9	62.2
Private long-term	2.9	--	--	--
Public long-term	27.7	57.0	74.0	66.9
Short-term	-11.2	-14.8	-11.1	-4.7
Net errors and omissions	-14.2	16.0	1.5	15.3
SDR allocations	--	3.6	3.7	3.8
Revaluation of reserves <u>4/</u>	--	--	--	22.5
Overall balance	-104.9	-35.7	-30.1	-47.0
Net monetary movements <u>5/</u>	104.9	35.7	30.1	47.0
Exchange rates <u>6/</u>	2.4833	2.6531	2.6934	2.6030

Source: Table 9.

1/ Fiscal year data cover year ended July 7 where available, otherwise June 30.

2/ Includes SDR 9.9 million of nonmonetary gold.

3/ See Appendix Table XLI for an explanation of adjustments made to customs data.

4/ Includes a profit of SDR 18.8 million from the sale of 48,430 ounces of gold.

5/ Increases in net assets denoted by a minus sign.

6/ Birr per SDR (average for period).

Table XXXIX. Ethiopia: Value of Major Exports, 1977/78-1980/81

(In millions of birr)

	1977/78	1978/79	1979/80	1980/81
Coffee	512.5	541.6	631.7	524.3
Pulses	30.8	17.9	25.9	23.7
Oilseeds	11.9	9.6	13.6	15.5
Sugar <u>1/</u>	--	0.3	16.4	9.8
Hides and skins	58.0	107.1	138.7	92.7
Live animals	1.5	1.5	8.3	9.8
Meat, canned and frozen	1.3	2.0	5.4	6.3
Fruits and vegetables	4.1	2.7	7.4	5.1
Oilseed cake	4.7	8.8	5.8	8.8
Raw cotton	2.4	--	5.4	28.7
Petroleum products <u>2/</u>	25.3	28.2	58.5	76.1
Other exports	17.0	24.7	37.7	38.7
Re-exports	1.2	0.5	0.3	0.7
Total exports <u>3/</u>	<u>670.7</u>	<u>744.9</u>	<u>955.1</u>	<u>839.7</u>
Of which: noncoffee exports	158.2	203.3	323.4	315.4

Sources: National Bank of Ethiopia, based mainly on customs data; and staff estimates.

1/ Mainly molasses.

2/ Customs data replaced by data from the Assab Oil Refinery.

3/ Excludes nonmonetary gold.

Table XL. Ethiopia: Volume of Major Exports, 1977/78-1980/81
(In thousands of metric tons)

	1977/78	1978/79	1979/80	1980/81
Coffee	57.8	86.2	80.1	88.4
Pulses	46.0	26.0	31.7	24.3
Oilseeds	14.8	5.9	9.0	8.9
Sugar <u>1/</u>	--	4.5	43.6	29.1
Hides and skins	11.9	11.6	10.6	8.9
Live animals	1.0	0.6	3.0	3.3
Meat, canned and frozen	0.6	0.8	2.0	2.3
Fruits and vegetables	5.8	3.5	11.3	6.5
Oilseed cake	13.1	36.1	19.4	21.2
Raw cotton	0.5	--	2.5	7.6
Petroleum products <u>2/</u>	172.3	184.8	178.4	203.8

Sources: National Bank of Ethiopia, based mainly on monthly customs data; and staff estimates.

1/ Mainly molasses.

2/ Customs data replaced by data from the Asaba Oil Refinery.

Table XI. Ethiopia: Value of Imports by End-Use, 1977/78-1980/81

(In millions of birr)

	1977/78	1978/79 <u>1/</u>	1979/80 <u>1/</u>	1980/81
Raw materials	<u>38.9</u>	<u>43.7</u>	<u>53.7</u>	<u>53.9</u>
Semifinished goods	<u>128.5</u>	<u>209.6</u>	<u>261.5</u>	<u>239.1</u>
Fuel	<u>158.3</u>	<u>227.4</u>	<u>368.2</u>	<u>377.5</u>
Of which: crude petroleum <u>2/</u>	(<u>124.2</u>)	(<u>141.3</u>)	(<u>254.5</u>)	(<u>287.4</u>)
Capital goods	<u>300.1</u>	<u>346.3</u>	<u>417.2</u>	<u>449.6</u>
Transport	<u>104.9</u>	<u>141.3</u>	<u>127.4</u>	<u>196.0</u>
Agricultural	<u>15.9</u>	<u>13.7</u>	<u>63.9</u>	<u>26.9</u>
Industrial	<u>179.3</u>	<u>191.3</u>	<u>225.9</u>	<u>226.7</u>
Consumer goods	<u>347.7</u>	<u>309.2</u>	<u>286.0</u>	<u>303.1</u>
Durable	<u>98.7</u>	<u>110.7</u>	<u>101.8</u>	<u>98.2</u>
Nondurable	<u>249.0</u>	<u>198.5</u>	<u>184.2</u>	<u>204.9</u>
Miscellaneous	<u>32.2</u>	<u>11.8</u>	<u>15.7</u>	<u>10.9</u>
Unrecorded imports <u>3/</u>	<u>120.2</u>	<u>72.1</u>	<u>65.9</u>	<u>28.8</u>
Total imports, c.i.f.	<u>1,125.9</u>	<u>1,219.1</u>	<u>1,468.2</u>	<u>1,462.9</u>
Subtotals.				
Excluding fuel	<u>967.6</u>	<u>991.7</u>	<u>1,100.0</u>	<u>1,085.4</u>
Excluding unrecorded imports	<u>1,005.7</u>	<u>1,147.0</u>	<u>1,402.3</u>	<u>1,434.1</u>
Excluding fuel and unrecorded imports	<u>847.4</u>	<u>919.6</u>	<u>1,034.1</u>	<u>1,056.6</u>
Total imports, f.o.b.	<u>923.2</u>	<u>999.7</u>	<u>1,200.9</u>	<u>1,199.6</u>

Sources: National Bank of Ethiopia, based mainly on customs data adjusted for balance of payments purposes; and staff estimates.

1/ Customs returns adjusted to reflect imports delayed by port congestion when they were paid for (in 1977/78) rather than when they cleared customs (late 1978). Totals estimated as Br 122 million in July-December 1977 and Br 178 million in 1977/78 as a whole and allocated by end use according to share in 1977/78 imports, excluding crude oil during July 1977-December 1978.

2/ Based on arrivals reported by Assab Refinery rather than customs returns.

3/ Estimates of the value of drought relief supplies donated in kind and of official purchases not recorded in customs returns.

Table XLII. Ethiopia: Volume of Crude Oil Imports, 1977-81

(In thousands of barrels)

	1977	1978	1979	1980	1981
January	269.1	192.4	371.3	202.4	221.3
February	446.6	570.8	558.0	382.2	452.2
March	296.9	190.2	385.0	404.9	411.7
April	452.1	383.6	185.2	448.9	453.3
May	149.0	193.2	370.5	211.4	221.7
June	370.7	380.7	182.7	429.5	452.3
July	373.8	190.6	553.4	221.2	500.1
August	559.1	502.1	384.9	223.6	457.7
September	139.4	579.1	369.7	446.6	517.5
October	495.3	385.1	745.4	673.1	445.3
November	571.5	377.1	232.1	219.6	446.1
December	384.4	377.4	574.2	701.2	448.8
Annual	4,508.1	4,322.3	4,912.4	4,564.6	5,028.0

Source: Ethiopian Petroleum Corporation.

Table XLIII. Ethiopia: Value of Crude Oil Imports, 1977-81

(In millions of birr)

	1977	1978	1979	1980	1981
January	6.93	5.46	11.71	12.24	26.64
February	11.99	16.24	13.48	26.15	30.62
March	7.97	5.40	13.20	30.31	23.05
April	12.03	10.89	7.47	21.78	30.50
May	3.94	5.49	14.89	10.81	12.33
June	10.21	10.81	8.08	21.93	25.10
July	9.60	5.94	26.18	22.84	
August	15.44	14.98	19.09	11.94	
September	3.84	16.92	17.49	32.77	
October	13.81	11.44	29.82	35.99	
November	16.30	11.52	6.50	11.75	
December	10.92	11.62	33.06	23.92	
Annual	122.98	125.71	200.97	262.43	

Source: Ethiopian Petroleum Corporation.

Table XLIV. Ethiopia: Exports by Country of Destination, 1977-80 1/
(In millions of birr)

	1977	1978	1979	1980
EEC	<u>160.8</u>	<u>171.3</u>	<u>252.9</u>	<u>270.6</u>
Germany, Federal Republic of	59.4	74.9	61.5	74.6
Italy	33.2	37.6	97.8	89.2
France	21.2	15.5	30.3	58.4
Netherlands	23.0	21.5	32.0	17.9
United Kingdom	17.6	14.3	19.5	18.5
Belgium-Luxembourg	6.3	7.5	10.9	10.5
Other	0.1	--	0.9	1.5
Eastern Europe	<u>114.9</u>	<u>101.4</u>	<u>112.6</u>	<u>146.2</u>
Germany, Democratic Republic of	99.8	32.5	0.8	3.9
Yugoslavia	9.9	48.8	34.5	34.2
Poland	3.6	5.7	8.2	4.0
U.S.S.R.	--	--	58.4	81.2
Other	1.6	14.4	10.7	22.9
Other Europe	<u>31.9</u>	<u>16.8</u>	<u>28.9</u>	<u>30.1</u>
Switzerland	13.9	4.3	3.3	1.1
Finland	7.2	0.1	0.7	0.4
Spain	4.5	4.3	12.9	7.7
Sweden	3.2	2.7	2.7	0.2
Other	3.1	5.4	9.3	20.7
Western Hemisphere	<u>179.7</u>	<u>196.5</u>	<u>246.4</u>	<u>159.6</u>
United States	177.5	196.5	246.1	159.6
Other	2.2	--	0.3	--
Asia	<u>150.9</u>	<u>128.8</u>	<u>159.7</u>	<u>150.4</u>
Saudi Arabia	59.5	70.7	75.7	66.4
Japan	47.9	36.5	53.4	56.6
Taiwan	12.6	--	0.4	0.8
Israel	10.7	8.4	3.3	3.4
Other	20.2	13.2	26.9	23.2
Africa	<u>49.5</u>	<u>13.4</u>	<u>62.2</u>	<u>117.5</u>
Djibouti	33.0	8.3	50.8	100.4
Egypt	10.0	1.8	3.5	--
Kenya	1.3	2.1	1.9	1.4
Other	5.2	1.2	6.8	15.7
Other	<u>1.3</u>	<u>5.6</u>	<u>1.6</u>	<u>4.9</u>
Total exports, f.o.b.	<u>689.0</u>	<u>633.8</u>	<u>864.3</u>	<u>879.3</u>

Source: National Bank of Ethiopia, based on customs data.

1/ Includes re-exports.

Table XLV. Ethiopia: Recorded Imports by Country of Origin, 1977-80 ^{1/}
(in millions of birr)

	1977	1978	1979	1980
EEC	243.2	425.3	382.0	490.1
Italy	81.1	141.2	117.2	161.5
Germany, Federal Republic of	65.6	130.4	118.6	142.4
United Kingdom	46.7	85.3	77.9	97.9
Netherlands	18.2	20.8	23.9	34.0
France	16.5	28.4	19.5	32.6
Belgium-Luxembourg	6.3	6.8	18.4	9.2
Other	8.8	12.4	6.5	12.5
Eastern Europe	47.3	59.1	107.3	403.1
U.S.S.R.	13.4	7.3	22.9	287.7
Czechoslovakia	9.6	8.4	9.4	13.3
Hungary	6.3	15.0	7.1	10.0
Other	18.0	28.4	67.9	90.1
Other Europe	41.7	69.9	73.2	95.9
Sweden	19.5	21.0	36.7	22.2
Switzerland	12.4	25.9	22.1	52.7
Austria	5.3	7.1	4.0	9.3
Other	4.5	12.9	10.4	11.7
Western Hemisphere	76.2	59.3	148.2	124.9
United States	73.5	56.0	137.5	114.9
Canada	0.3	0.3	5.9	4.1
Brazil	2.2	3.0	4.7	2.8
Other	0.2	—	—	3.1
Asia	284.2	292.9	426.1	313.2
Japan	128.6	162.0	124.4	129.7
Saudi Arabia	29.5	1.7	1.4	1.8
China, People's Republic of	19.6	21.6	13.4	20.7
Israel	15.7	13.2	15.9	21.3
Hong Kong	13.5	15.7	7.3	5.7
Taiwan	11.5	16.9	13.7	11.5
India	11.2	17.5	14.1	13.2
South Korea	33.6	22.3	22.3	14.6
Iran	3.2	0.2	4.3	—
Kuwait	—	—	181.5	62.9
Other	17.8	21.8	27.8	25.5
Africa	16.9	23.4	23.4	30.4
Kenya	11.9	15.8	15.8	15.6
Other	5.0	9.6	7.6	14.8
Australia	1.2	2.0	1.1	20.8
Other	17.1	8.8	13.3	16.3
Total imports, c.i.f.	727.8	942.7	1,174.6	1,494.7

Source: National Bank of Ethiopia, based on customs data.

^{1/} Data do not reflect adjustments made for balance of payments purposes.

Table XLVI. Ethiopia: Services and Transfers, 1977/78-1980/81 1/

(In millions of birr)

	1977/78	1978/79	1979/80	1980/81
Travel	-2.8	4.2	7.7	9.8
Receipts	5.5	10.4	15.1	16.8
Payments	-8.3	-6.2	-7.4	-7.0
Transportation	28.8	18.1	22.5	44.1
Receipts <u>2/</u>	85.5	84.9	104.6	148.9
Payments	-56.7	-66.8	-82.1	-104.8
Investment income	-9.2	-5.3	15.0	-13.4
Receipts	26.1	20.6	44.2	21.7
Payments <u>3/</u>	-35.3	-25.9	-29.2	-35.1 <u>4/</u>
Government, n.i.e.	11.1	12.2	6.7	5.3
Receipts	46.1	42.0	46.6	42.7
Payments	-35.0 <u>5/</u>	-29.8	-39.9	-37.4
Other services	13.1	14.4	4.7	25.7
Receipts	57.8	60.4	61.2	87.3
Payments	-44.7 <u>5/</u>	-46.0	-56.5	-61.6
Total services (net)	41.0	43.6	56.6	71.5
Total receipts	221.0	218.3	271.7	317.4
Total payments	-180.0	-174.7	-215.1	-245.9
Private transfers	30.7	48.2	41.3	51.2
Receipts	37.6	56.5	45.1	55.9
Payments	-6.9	-8.3	-3.8	-4.7
Public transfers	110.1	123.5	124.0	108.0
Receipts	110.1	123.5	124.0	108.0
Payments	--	--	--	--
Total transfers (net)	140.8	171.7	165.3	159.2
Total receipts	147.7	180.0	169.1	163.9
Total payments	-6.9	-8.3	-3.8	-4.7

Source: National Bank of Ethiopia, based mainly on exchange control records.

1/ Year ended June 30.

2/ Includes freight and insurance on exports.

3/ Estimates for retained earnings have been derived by halving the calendar year data reported by auditing firms and adding appropriate halves; only cash flows are available from exchange control records.

4/ Includes IMF charges (Br 2.0 million).

5/ "Other government service payments" reclassified from "other services" to "government, n.i.e."

Table XLVII. Ethiopia: Nonmonetary Capital, 1977/78-1980/81

(In millions of birr)

Fiscal Year Ended July 7 <u>1/</u> Ethiopian Fiscal Year	1977/78 1970	1978/79 1971	1979/80 1972	1980/81 1973
Private long-term capital	7.3	--	--	--
Direct investment (net) <u>2/</u>	8.4	--	--	--
Loans and credits (net)	-1.1	--	--	--
Receipts	(--)	(--)	(--)	(--)
Repayments	(-1.1)	(--)	(--)	(--)
Public long-term loans	68.7	151.3	199.2	174.2
Receipts	102.7	183.0	233.8	211.8
Central Government <u>3/</u>	(87.5)	(179.4)	(158.3)	(141.2)
Other public sector <u>4/</u>	(15.2)	(3.6)	(75.5)	(70.6)
Repayments	-34.0	-31.7	-34.6	-37.6
Central Government	(-15.9)	(-18.4)	(-15.8)	(-17.1)
Other public sector <u>5/</u>	(-18.1)	(-13.3)	(-18.8)	(-20.5)
Total long-term capital (net)	76.0	151.3	199.2	174.2
Short-term capital (net)	-27.9	-39.4	-29.7	-12.5
Trade credit (net) <u>5/</u>	-25.1	-43.8	-34.0	-16.6
Other (net) <u>6/</u>	-2.8	4.4	4.3	4.1

Sources: National Bank of Ethiopia; and Ministry of Finance.

1/ Private sector and short-term capital data are for years ended June 30, mainly from exchange control records.

2/ Estimates for retained earnings derived by halving calendar year reports.

3/ Includes Trust Fund loans to Government in 1978/79 and 1979/80.

4/ Includes Commercial Bank of Ethiopia long-term repayments. Excludes transactions on private sector debt guaranteed by government-owned financial institutions, which are included in private long-term capital.

5/ Reflects mainly leads and lags in payments. Estimated from exchange control records of export permits and import licenses compared with inward bills for collection; results are regarded as indicative only.

6/ Working balances abroad of Ethiopian Airlines and Ethiopian Shipping Lines.

Table XLVIII. Ethiopia: External Public Debt Disbursements by Sector and Lender, 1977/78-1980/81

(In millions of birr)

Fiscal Year Ended July 7 Ethiopian Fiscal Year	1977/78 1970	1978/79 1971	1979/80 1972	1980/81 1973
Sectors (total)	102.7	183.0	233.8	211.8
Agriculture and settlement	16.2	40.8	52.6	26.4
Mining	--	--	2.1	13.1
Industry and commerce	7.4	6.7	4.6	23.7
Of which: coffee	(3.4)	(2.7)	(0.2)	(0.6)
Electric power	10.8	6.9	3.9	4.9
Water, sewerage, etc.	7.9	6.7	10.2	7.3
Road construction	18.7	28.4	45.3	71.6
Other transportation	1.2	1.9	49.3	30.7
Telecommunications	10.3	15.1	12.8	10.6
Financial agencies	9.9	--	--	--
Education	6.9	21.3	10.9	10.3
Public health	3.6	0.6	0.8	--
Community amenities	6.1	--	--	--
Other sectors	--	--	3.4	8.7
Unallocated by sector	3.5	54.6	37.9	4.0
Lenders (total)	102.7	183.0	233.8	211.8
World Bank Group	56.7	90.7	72.9	66.2
IBRD	(1.0)	(--)	(0.7)	(--)
IDA	(55.7)	(90.7)	(72.2)	(66.2)
IFC	(--)	(--)	(--)	(--)
Other multilateral	12.9	34.1	53.7	18.2
African Development Bank	(3.0)	(5.1)	(11.4)	(10.4)
EEC Special Action Account	(--)	(--)	(5.1)	(4.0)
OPEC Special Fund	(9.9)	(--)	(--)	(--)
IMF Trust Fund	(--)	(29.0)	(37.2)	(3.8)
Bilateral	33.1	58.2	107.2	127.4
Germany, Federal Republic of	(12.8)	(13.3)	(14.6)	(9.3)
Italy	(6.1)	(--)	(--)	(11.6)
Japan	(5.1)	(1.8)	(1.8)	(1.5)
China, People's Republic of	(4.0)	(1.6)	(2.6)	(2.4)
United States	(3.9)	(--)	(54.8)	(7.1)
United Kingdom	(1.1)	(3.2)	(1.0)	(0.1)
Sweden	(0.1)	(--)	(--)	(--)
Czechoslovakia	(--)	(--)	(0.8)	(22.0)
U.S.S.R.	(--)	(6.8)	(12.8)	(28.3)
Libya	(--)	(31.0)	(--)	(--)
Bulgaria	(--)	(--)	(2.1)	(1.8)
German Democratic Republic	(--)	(--)	(15.0)	(15.6)
Romania	(--)	(--)	(--)	(2.8)
Canada	(--)	(--)	(--)	(20.0)
Switzerland	(--)	(--)	(--)	(1.2)
Yugoslavia	(--)	(--)	(1.7)	(3.9)

Source: Ministry of Finance.

Table XLIX. Ethiopia: Summary of External Public Debt, 1977/78-1982/83

(In millions of birr)

	1977	1978	1979	July 7 1980	1981	1982	1983
						Forecast	
External debt							
Disbursed	942.7	1,025.7	1,199.8	1,412.4	1,496.6	2,126.6	2,562.9
Undisbursed	900.3	1,096.8	1,070.4	1,449.0	1,469.0	--	--
	1977/78	1978/79	1979/80	1980/81	1981/82	1982/83	
Drawings (gross)	102.7	183.0	233.8	211.8	692.0	508.3	1/
Repayments	-34.0	-31.7	-34.6	-37.6	-62.0	-72.0	
Exchange losses (gains -)	14.3	22.8	13.4	-90.0	--	--	
Debt service	58.9	57.6	63.8	70.1	105.2	117.5	
Principal	34.0	31.7	34.6	37.6	62.0	72.0	
Interest	24.9	25.9	29.2	33.1	43.2	45.5	
Debt service ratio (per cent)	6.8	6.1	5.4	6.2	9.2	9.3	
Central Government debt service ratio (per cent)	3.2	3.6	3.0	3.2	4.1	5.7	
Memorandum items.							
Fund charges	2.0	16.7	22.9	
Fund repurchases	--	--	--	--	--	26.3	

Sources. Ministry of Finance; and staff estimates.

1/ Gross drawings minus repayments and Fund repurchases equals Br 410.0 million, which is the figure shown in the balance of payments.

Table L. Ethiopia: External Public Debt Outstanding by Lender, 1978-81

(In millions of birr)

	Disbursed					Undisbursed 1/	
	1978	June 1979	1980	December 1980	June 1981	1980	1981
Total	1,025.7	1,199.8	1,412.4	1,488.5	1,496.6	1,449.0	1,469.0
World Bank Group	508.9	601.2	668.2	692.6	691.4	244.4	298.7
IBRD	183.4	187.4	184.4	178.3	143.5	--	--
IDA	321.1	411.0	482.5	513.9	547.7	244.4	298.7
IPC	4.4	2.8	1.3	0.4	0.2	--	--
Other multilateral	46.0	81.6	136.3	145.1	142.2	116.0	151.8
African Development Fund	6.7	12.4	20.2	23.3	26.7	85.4	95.5
Arab Special Fund	29.4	29.4	29.4	29.4	29.4	--	--
OPEC Special Fund	9.9	9.9	9.9	9.9	9.9	--	--
Other 2/	--	29.9	76.8	82.5	76.2	30.6	56.3
Bilateral	470.8	517.0	607.9	650.8	663.0	1,088.6	1,018.5
United States	253.0	244.5	287.8	282.8	280.6	7.8	0.7
Germany, Federal Republic of	88.9	109.2	125.0	127.8	97.3	43.2	24.4
China, People's Republic of	35.5	37.1	39.7	39.8	42.1	163.4	161.0
Japan	31.5	31.4	32.5	33.0	30.8	1.6	0.3
Italy	29.5	27.1	25.1	34.6	28.4	43.6	33.0
Sweden	--	--	--	--	--	--	15.2
United Kingdom	10.4	14.8	16.5	16.1	12.9	4.1	3.4
Czechoslovakia	9.6	10.3	10.8	21.4	29.8	100.2	77.7
U.S.S.R.	6.6	10.1	19.6	28.9	47.1	436.5	408.2
Finland	3.4	--	--	--	--	--	--
Netherlands	1.9	1.3	0.4	--	--	--	--
Poland	0.2	--	0.9	0.9	0.9	20.7	20.7
Yugoslavia	0.3	0.1	1.5	5.0	4.7	38.2	54.1
Libya	--	31.1	31.1	31.1	31.1	--	--
Bulgaria	--	--	2.0	2.5	3.6	46.2	40.8
German Democratic Republic	--	--	15.0	25.7	30.3	166.9	162.4
Romania	--	--	--	--	2.8	3.2	0.4
Canada	--	--	--	--	19.8	--	3.5
Switzerland	--	--	--	1.2	0.8	--	--
Nigeria	--	--	--	--	--	13.0	12.7

Sources: Ministry of Finance; and staff estimates.

1/ Includes loans committed by lenders and ratified by Ethiopian Government and general commitments for which projects have not been identified.

2/ Includes IMF Trust Fund.

Table L.. Ethiopia: External Public Debt Service, 1977/78-1985/86

(In millions of birr)

Fiscal Year Ending July 7	Debt Service			Receipts from Goods and Services	Debt Service Ratio (In per cent)
	Principal	Interest	Total		
(Actual amounts)					
1977/78	34.0	24.9	58.9	865.6	6.81
1978/79	31.7	25.9	57.6	942.6	6.11
1979/80	34.6	29.2	63.8	1,182.6	5.39
1980/81	37.6	33.1	70.1	1,135.4	6.17
(Projections) 1/					
1981/82	62.0	43.2	105.2	--	--
1982/83	72.0	45.5	117.5	--	--
1983/84	83.5	42.0	125.5	--	--
1984/85	81.1	40.5	121.6	--	--
1985/86	107.1	35.1	142.2	--	--

Source. Ministry of Finance data and projections.

1/ Based on already committed debt, including some as yet not disbursed.

Table LII. Ethiopia: Suppliers' and Commercial Bank Credits Contracted, 1968/69-1981/82

Year <u>1/</u>	Country	Amount (Birr millions)	Maturity	Grace Period (years)	Interest Rate (in per cent)
1968/69	Poland	0.908	10	6	6.00
1975/76	Yugoslavia	1.668	5	1	8.50
1977/78	Italy	23.499	5	--	7.50
1978/79	Czechoslovakia	0.401	8	1	5.00
	German Dem. Rep.	18.784	8	2	5.00
1979/80	Czechoslovakia	8.879	5	--	7.00
	German Dem. Rep.	7.880	7	--	6.00
	Italy	56.095	5	--	7.25
	Italy	9.045	5	--	7.50
	Switzerland	1.152	5	--	5.00
	Romania	3.205	5	1	5.50
	Yugoslavia	31.329	7	--	3.00
	United States	29.052	5	--	(...) <u>2/</u>
1980/81	Canada	23.558	7	--	11.25
	German Dem. Rep.	11.158	5	--	6.00
	Italy	1.224	5	--	7.50
	Sweden	15.225	5	--	7.50
	Yugoslavia	19.766	13	--	3.00
1981/82 <u>3/</u>	United States	33.519	10	--	(...) <u>4/</u>
	United States	6.999	4	--	(...) <u>5/</u>

Source: Ministry of Finance.

1/ Fiscal year ended July 6.

2/ London Interbank Rate plus 1.875 per cent; commitment fee of 0.5 per cent per annum on undisbursed amount.

3/ Details are available only through December 31, 1981.

4/ London Interbank Rate plus 0.875 per cent.

5/ London Interbank Rate plus 1.00 per cent.

Table LIII. Ethiopia: New External Public Debt Commitments, 1977/78-1980/81

Fiscal Year Ending July 7	Amounts 2/ Central Government (In millions of birr)	Average Terms 1/		
		Maturity Period (In years)	Grace Period	Interest Rate (In per cent)
1977/78	279.5	24.8	4.8	2.10
1978/79	158.5	31.3	7.2	1.70
1979/80	112.1	15.2	3.2	1.26
1980/81	273.5	39.0	8.0	1.23

Sources: Ministry of Finance; and staff estimates.

1/ Terms are calculated as weighted averages of total annual new commitments.

2/ Includes loans and credits approved by the Ethiopian Government but for which suitable projects have not yet been identified.

Table LIV. Ethiopia: Real Effective Exchange Rate Indices, 1975-1982 ^{1/}
(Birr/Basket; January 1975 = 100)

	Export - Weighted	Import - Weighted	Trade - Weighted
1975			
June	95.6	96.4	96.1
December	87.5	86.6	87.0
Annual average	94.3	94.4	94.4
1976			
June	78.3	76.5	77.2
December	77.3	76.0	76.5
Annual average	80.1	78.3	79.0
1977			
June	78.4	78.9	78.7
December	76.7	77.6	77.3
Annual average	76.6	76.8	76.7
1978			
June	74.6	76.5	75.7
December	76.7	78.7	77.9
Annual average	76.2	78.0	77.3
1979			
June	69.2	71.7	70.7
December	76.0	78.7	77.6
Annual average	71.3	73.5	72.7
1980			
January	77.4	77.5	76.3
February	74.4	77.7	76.4
March	67.8	70.5	69.4
April	72.0	75.5	74.1
May	73.2	77.1	75.6
June	74.8	79.4	77.6
July	74.8	79.3	77.5
August	74.3	78.8	77.0
September	77.2	81.9	80.0
October	77.4	82.3	80.3
November	77.8	82.5	80.6
December	79.1	84.2	82.2
Annual average	75.0	78.9	77.3

Table LIV. Ethiopia: Real Effective Exchange Rate Indices,
1975-1982 1/ (concluded)

(Birr/Basket; January 1975 = 100)

	Export - Weighted	Import - Weighted	Trade - Weighted
1981			
January	78.3	82.9	81.1
February	75.0	79.1	77.5
March	70.8	75.1	73.4
April	71.1	75.4	73.7
May	69.7	73.5	72.0
June	68.1	71.2	70.0
July	66.5	68.7	67.8
August	67.9	70.1	69.2
September	75.6	78.2	77.2
October	76.8	79.7	78.5
November	79.2	83.3	81.6
December	75.3	78.9	77.4
Annual average	72.9	76.3	75.0
1982			
January	77.4	81.0	79.6
February	72.2	75.1	73.9

Sources: Data provided by the Ethiopian authorities; and staff calculations.

1/ Upward (downward) movements signify depreciations (appreciations).

BIBLIOGRAPHY

Fund documents:

SM/81/49, February 24, 1981 (Ethiopia - Staff Report and Proposed Decision for the 1980 Article IV Consultation).

SM/81/61, March 18, 1981 (Ethiopia - Recent Economic Developments).

FBS/81/98, April 23, 1981 (Ethiopia - Request for Stand-By Arrangement).

EBS/81/176, August 17, 1981 (Ethiopia - Review of Stand-By Arrangement).

World Bank document:

Report No. 3552b-ET, December 15, 1981 (Economic Memorandum on Ethiopia).

Ethiopian documents:

National Bank of Ethiopia, Quarterly Bulletin, new series.

Ministry of Coffee and Tea Development, Coffee Statistics Hand-Book.

Provisional Military Government of Socialist Ethiopia, Projects and Programmes 1981-1990, submitted to the UN Conference of the Least Developed Countries, March 1981.