

DEVELOPMENT PLAN 1979-1983

# ***DEVELOPMENT PLAN***

***For the Period 1979 to 1983***

## ***PART II***

**This Plan—Kenya's fourth—covers the projected growth of the economy over the five calendar years 1979-83 and, more specifically, the investment programme of the Government in the five financial years 1978/79 to 1982/83.**

338.96762 ILEN

## CONTENTS

	PAGE
INTRODUCTION .. .. .	(i)
Office of the President .. .. .	1
State House and Lodges .. .. .	3
Directorate of Personnel Management .. .. .	5
Ministry of Foreign Affairs .. .. .	7
Ministry of Home Affairs .. .. .	9
Ministry of Economic Planning and Community Affairs .. .. .	15
Office of the Vice-President and Ministry of Finance .. .. .	17
Ministry of Agriculture .. .. .	19
Ministry of Health .. .. .	33
Ministry of Local Government .. .. .	55
Ministry of Works .. .. .	59
Ministry of Power and Communications .. .. .	67
Ministry of Labour .. .. .	107
Ministry of Tourism and Wildlife .. .. .	109
Ministry of Lands and Settlement .. .. .	113
Ministry of Housing and Social Services .. .. .	117
Ministry of Information and Broadcasting .. .. .	127
Ministry of Water Development .. .. .	129
Ministry of Natural Resources .. .. .	145
Ministry of Co-operative Development .. .. .	149
Ministry of Commerce and Industry .. .. .	153
Ministry of Education .. .. .	173
Judicial Department .. .. .	186

## **DEVELOPMENT PLAN 1979-83**

### **PART II**

## **DEVELOPMENT PROGRAMME AND PROJECTS**

### *INTRODUCTION*

The development objectives, strategies and policies to guide the national development effort over this plan period are outlined in Part I of the 1979-83 Development Plan. Part II provides data on development programme and projects which the Government will undertake during the plan period. Approximately K£1,371 million of development expenditure will be spent on the implementation of Central Government programmes and projects during this plan. A further K£2,148 million will be required in recurrent expenditure to meet the costs of both on-going and new development programmes and projects. The allocation of financial resources to the ministries and departments responsible for the formulation and implementation of the development programmes is shown in Table 1.1.

The programmes and projects are presented on the basis of the Government ministries and departments charged with the responsibility of implementing and operating them. The format is therefore different from that followed in Part I which is on a functional and sectoral basis.

The selection of projects and programmes in this document has taken into account two major factors. One is that, although Kenya has made considerable progress in development, there are still resource constraints, particularly financial constraints. The second factor is the existence of excess capacity in the economy which the country can hardly afford. The selection process has therefore given priority to the utilization of this excess capacity.

Taking together the constraints on Government revenue and the sizeable backlog of projects yet to be completed from the Third Development Plan, the scope for introducing new development projects before the financial year 1980/81 is extremely limited. Further, in keeping with the plan theme of alleviating poverty, the selection process has given priority to projects which (a) stimulate or support forms of participation by individuals, companies, co-operatives and self-help groups in the creation of income-earning opportunities and improvements in social welfare, particularly in the rural areas, and (b) contribute directly and substantially to rural development and productive employment.

The pattern of financial allocations has changed slightly from the previous Development Plan. In this plan period, a sharp rise in recurrent expenditure reflects the requirement of putting existing idle capacity in productive use.

It also reflects the high priority accorded to social services such as provision of education, health services, housing, water, etc., all of which are essential components of the basic needs strategy spelt out in Part I. Nevertheless, it is still apparent that the investment programme proposed in the following sections is ambitious. Over and above the additional manpower and funds which will be allocated from local sources, a substantial volume of external financial and technical assistance will be required. The level of external financial assistance required to implement the programme is projected to rise from K£107 million in 1978/79 to K£117 million in 1982/83. The percentage of total expenditure covered by external aid will however, fall from 17 per cent to 15 per cent over the plan period. An increasing share of the total budget will therefore be financed from local sources.

TOTAL EXPENDITURE REQUIREMENTS, 1979-1983, BY MINISTRY

Table 1.1

Ministry/Department	Development		Recurrent		Total Expenditure	
	£'000	Per cent	£'000	Per cent	£'000	Per cent
1. Office of the President .. ..	29,423	2.1	196,674	9.2	226,097	6.4
2. The State House .. ..	1,031	0.1	2,218	0.1	3,249	0.1
3. Directorate of Personnel Management .. ..	597	—	21,773	1.0	22,370	0.6
4. Ministry of Foreign Affairs .. ..	3,467	0.3	28,205	1.3	31,672	0.9
5. Ministry of Home Affairs .. ..	7,200	0.5	53,555	2.5	60,755	1.7
6. Ministry of Economic Planning and Community Affairs .. ..	66,883	4.9	62,098	2.9	128,981	3.7
7. Office of the Vice-President and Ministry of Finance .. ..						
8. Ministry of Defence .. ..	37,730	2.8	362,012	16.9	399,742	11.4
10. Ministry of Agriculture .. ..	256,535	18.7	135,102	6.3	391,636	11.1
11. Ministry of Health .. ..	67,092	4.9	181,948	8.5	249,040	7.1
12. Ministry of Local Government .. ..	65,993	4.8	60,323	2.8	126,316	3.6
13. Ministry of Works .. ..	223,665	16.3	182,348	8.5	406,013	11.6
14. Ministry of Power and Communications .. ..	88,313	6.4	44,945	2.1	133,258	3.8
15. Ministry of Labour .. ..	4,073	0.3	14,411	0.7	18,484	0.5
16. Ministry of Tourism and Wildlife .. ..	49,055	3.6	39,927	1.9	88,982	2.5
17. Ministry of Lands and Settlement .. ..	32,949	2.4	27,904	1.3	60,853	1.7
18. Ministry of Housing and Social Services .. ..	73,030	5.3	18,906	0.9	91,936	2.6
19. Ministry of Information and Broadcasting .. ..	19,330	1.4	24,619	1.1	43,949	1.3
20. Ministry of Water Development .. ..	200,067	14.6	39,661	1.8	239,728	6.8
21. Ministry of Natural Resources .. ..	44,596	3.3	11,487	0.5	56,083	1.6
22. Ministry of Co-operative Development .. ..	12,017	0.9	10,346	0.5	22,363	0.7
23. Ministry of Commerce and Industry .. ..	28,300	2.1	12,713	0.6	41,013	1.2
24. Ministry of Education .. ..	35,845	2.6	548,938	25.6	584,783	16.6
25. Office of the Attorney-General .. ..	—	—	10,080	0.5	10,080	0.3
26. Judicial Department .. ..	1,900	0.1	9,604	0.4	11,504	0.3
27. Public Service Commission .. ..	—	—	742	—	742	—
28. Office of the Controller and Auditor-General .. ..	—	—	3,967	0.2	3,967	0.1
29. National Assembly .. ..	—	—	7,600	0.3	7,600	0.2
Allowance for Reserve .. ..	22,000	1.6	35,915	1.7	57,915	1.6
<b>TOTAL VOTED EXPENDITURE</b>	<b>1,371,091</b>	<b>100.0</b>	<b>2,148,020</b>	<b>100.0</b>	<b>3,519,111</b>	<b>100.0</b>

## 1. OFFICE OF THE PRESIDENT

The Office of the President is responsible for the organization of the Government, the Cabinet Secretariat, State House and Lodges, the Government Press, Government Chemist, National Environment Secretariat, the Provincial Administration, the Directorate of Personnel Management, Administration Police, Police Force and the National Youth Service.

### TOTAL EXPENDITURE AND FINANCE, 1978/79-1982/83

K£'000

	1978/79	1979/80	1980/81	1981/82	1982/83	Total
Recurrent Expenditure						
Office of the President	34,738.0	36,924.9	39,213.3	41,679.4	44,118.3	196,673.9
State House and Lodges	393.0	417.0	442.0	469.0	497.0	2,218.0
Directorate of Personnel Management ..	3,862.4	4,094.0	4,340.0	4,600.0	4,876.0	21,772.4
Sub-Total .. ..	38,993.4	41,435.9	43,995.3	46,748.4	49,491.3	220,664.3
Development Expenditure						
Office of the President	4,336.0	5,638.0	5,822.0	6,644.0	6,983.0	29,423.0
State House and Lodges	271.0	160.0	200.0	200.0	200.0	1,031.0
Directorate of Personnel Management ..	200.0	100.0	100.0	100.0	97.0	597.0
Sub-Total .. ..	4,807.0	5,898.0	6,122.0	6,944.0	7,280.0	31,051.0
Gross Expenditure ..	43,800.4	47,333.9	50,117.3	53,692.4	56,771.3	251,715.3
Estimated Foreign Finance	—	2,000.0	3,000.0	3,500.0	2,000.0	10,500.0
Estimated Local Finance	43,800.4	45,333.9	47,117.3	50,192.4	54,771.3	241,215.3

### OFFICE OF THE PRESIDENT—BREAKDOWN OF EXPENDITURE

K£'000

	1978/79	1979/80	1980/81	1981/82	1982/83	Total
Recurrent Expenditure						
General Administration	3,089.4	3,274.8	3,471.3	3,679.5	3,900.3	17,415.3
Field Administration Services .. ..	6,985.1	7,404.2	7,848.5	8,319.4	8,818.6	39,375.8
Administration Police Services .. ..	3,469.7	3,677.9	3,898.6	4,132.5	4,380.4	19,559.1
Government Press ..	1,148.0	1,216.8	1,289.9	1,367.2	1,449.3	6,471.2
Kenyatta Conference Centre	363.4	385.2	408.3	432.8	458.8	2,048.5
National Youth Service	2,738.0	3,005.0	3,258.0	3,567.0	3,719.0	16,287.0

(Continued)

OFFICE OF THE PRESIDENT—BREAKDOWN OF EXPENDITURE—(Contd.)

K£'000

	1978/79	1979/80	1980/81	1981/82	1982/83	Total
National Environment Secretariat .. ..	63.7	67.5	71.5	75.8	80.4	358.9
Police Services ..	16,544.3	17,536.9	18,589.2	19,704.5	20,886.8	93,261.7
Government Chemist	336.4	356.6	378.0	400.7	424.7	1,896.4
Sub-Total .. ..	34,738.0	36,924.9	39,213.3	41,679.4	44,118.3	196,673.9
Development Expenditure	4,336.0	5,638.0	5,822.0	6,644.0	6,983.0	29,423.0
Gross Expenditure..	39,074.0	42,562.9	45,035.3	48,323.4	51,101.3	226,096.9
Estimated Foreign Finance	—	2,000.0	3,000.0	3,500.0	2,000.0	10,500.0
Estimated Local Finance	39,074.0	40,562.9	42,035.3	44,823.4	49,101.3	215,596.9

PROJECTS IN THE OFFICE OF THE PRESIDENT

K£'000

Project Description	1978/79	1979/80	1980/81	1981/82	1982/83	Total
01100500000000						
Field Administration Services ..	850.1	780.0	755.0	880.0	680.0	3,945.1
01201000000000						
Administration Police Services	110.0	300.0	220.0	310.0	310.0	1,250.0
01301400000000						
Government Press .. ..	350.0	280.0	—	—	—	630.0
01401700000000						
Kenyatta Conference Centre ..	—	—	—	—	—	—
01550500000000						
N.Y.S. Administration ..	200.0	266.0	266.0	340.0	426.0	1,498.0
01550600000000						
National Youth Service Training Units .. ..	700.0	931.0	931.0	1,191.0	1,490.0	5,243.0
01550700000000						
National Youth Service Production Units .. ..	436.0	580.0	580.0	743.0	927.0	3,266.0
01700000000000						
Police Services .. ..	1,631.9	2,191.0	2,770.0	3,080.0	2,900.0	12,572.0
01811300000000						
Government Chemist .. ..	58.0	310.0	300.0	100.0	250.0	1,018.0

## 2. STATE HOUSE AND LODGES

State House and Lodges is responsible for the President's household expenditure.

### TOTAL EXPENDITURE AND FINANCE, 1978/79-1982/83

K£'000

	1978/79	1979/80	1980/81	1981/82	1982/83	Total
<b>Recurrent Expenditure</b>						
State House—Nairobi ..	270.2	289.9	305.7	323.1	340.0	1,528.9
State House—Mombasa ..	44.9	48.5	53.2	57.0	61.2	264.8
State House—Nakuru ..	64.2	64.6	68.8	73.2	77.8	348.6
State Lodges .. ..	13.7	14.0	14.3	15.7	18.0	75.7
	<b>393.0</b>	<b>417.0</b>	<b>442.0</b>	<b>469.0</b>	<b>497.0</b>	<b>2,218.0</b>
<b>Development Expenditure</b> ..	<b>271.0</b>	<b>160.0</b>	<b>200.0</b>	<b>200.0</b>	<b>200.0</b>	<b>1,031.0</b>
<b>Gross Expenditure..</b> ..	<b>664.0</b>	<b>577.0</b>	<b>642.0</b>	<b>669.0</b>	<b>697.0</b>	<b>3,249.0</b>

### PROJECTS IN THE VOTE

K£'000

Project Description	1978/79	1979/80	1980/81	1981/82	1982/83	Total
020 020 110 000 00 State House—Nairobi .. ..	156.0	100.0	100.0	120.0	80.0	556.0
020 021 340 000 00 State House—Mombasa .. ..	25.0	20.0	20.0	40.0	50.0	155.0
020 022 740 000 00 State House—Nakuru .. ..	52.0	20.0	40.0	20.0	30.0	162.0
020 023 000 000 00 State Lodges .. ..	38.0	20.0	40.0	20.0	40.0	158.0



### 3. THE DIRECTORATE OF PERSONNEL MANAGEMENT

The Directorate of Personnel Management, is responsible for personnel administration, management services and manpower development. The Directorate operates the Kenya Institute of Administration, Government Training Institute, Maseno, and the Government Training Institute, Mombasa.

#### TOTAL EXPENDITURE AND FINANCE, 1978/79-1982/83

K£'000

	1978/79	1979/80	1980/81	1981/82	1982/83	Total
Recurrent Expenditure						
Headquarters Administrative Services .. .. .	379.7	402.5	426.7	452.2	479.4	2,140.5
K.I.A.—Kabete .. .. .	550.9	551.8	584.9	615.9	657.1	2,960.6
G.T.I.—Maseno .. .. .	133.3	128.6	136.3	142.6	151.6	692.4
Department Pre-service Training .. .. .	1,984.2	2,148.0	2,277.2	2,415.3	2,559.8	11,384.5
Departmental In-service Training .. .. .	216.3	229.13	243.0	257.6	273.1	1,219.3
Dev. of High and Middle Management Personnel ..	386.3	409.5	434.0	460.1	487.7	2,177.6
G.T.I.—Mombasa .. .. .	211.7	224.3	237.9	252.1	267.3	1,193.3
Sub-Total .. .. .	3,862.4	4,094.0	4,340.0	4,600.0	4,876.0	21,772.4
Development Expenditure ..	200.0	100.0	100.0	100.0	97.0	597.0
Gross Expenditure .. .. .	4,062.4	4,194.0	4,440.0	4,700.0	4,973.0	22,368.2

#### PROJECTS IN THE D.P. MANAGEMENT

K£'000

Project Description	1978/79	1979/80	1980/81	1981/82	1982/83	Total
031 027 000 000 00						
K.I.A.—Kabete .. .. .	66.0	39.0	17.0	14.0	3.0	139.0
031 028 000 000 00						
G.T.I.—Maseno .. .. .	125.0	57.0	43.0	28.0	35.0	288.0
031 034 000 000 00						
G.T.I.—Mombasa .. .. .	9.0	4.0	40.0	58.0	62.0	173.0

#### 4. MINISTRY OF FOREIGN AFFAIRS

The Ministry of Foreign Affairs is the organ representing Government interests in foreign countries. The Ministry articulates national policies on international political and economic developments. The Ministry has the responsibility for promoting better understanding and cementing relations with other nations, as well as assisting in fostering links and co-operation in commercial, technical and financial fields. During the plan period, in addition to purchasing, constructing and furnishing residential and non-residential embassy buildings, the Ministry will endeavour to increase and spread diplomatic activities.

##### MINISTRY OF FOREIGN AFFAIRS, TOTAL EXPENDITURE AID FINANCE, 1978-83

K£'000

	1978/79	1979/80	1980/81	1981/82	1982/83	Total
Recurrent Expenditure ..	5,003	5,304	5,622	5,959	6,317	28,205
Development Expenditure ..	667	700	700	700	700	3,467
<b>Total Expenditure ..</b>	<b>5,670</b>	<b>6,004</b>	<b>6,322</b>	<b>6,659</b>	<b>7,017</b>	<b>31,672</b>
Estimated Foreign Aid ..	—	—	—	—	—	—
Local Finance .. .. .	5,670	6,004	6,322	6,659	7,017	31,672

##### PROJECTS IN FOREIGN AFFAIRS

Expenditure in K£'000

Project Name and Number	1978/79	1979/80	1980/81	1981/82	1982/83	Total
04004300040200						
Foreign Affairs HQ Buildings	320	400	400	400	400	1,920
04104100000000						
Diplomatic Representation ..	347	300	300	300	300	1,547

## 5. MINISTRY OF HOME AFFAIRS

The Ministry of Home Affairs is partly responsible for internal security. The Ministry performs several functions related to this responsibility organized in the following departments:—

1. Immigration Department.
2. Prisons Department.
3. Children's Services.
4. Probation Services.

Whereas the Immigration Department concerns itself with citizenship and residence in the country, the Prisons Department, the Children and Probation Services deal with accommodating and rehabilitating offenders of various kinds and ages. In the efforts to tighten the registration of residents, the Central Registration Bureau has been initiated during 1978/79 financial year and will continue to register nationals who attain the age of 16 years after the initial national registration exercise which is to be completed by early 1979.

Out of total development expenditure of K£7,200,000 for the plan period some K£5,820,000 (about 81 per cent) will go into Prisons development programmes.

The total expenditure and finance of the office of the Ministry of Home Affairs is shown in the following table:—

MINISTRY OF HOME AFFAIRS, TOTAL EXPENDITURE AND FINANCE, 1978-1983

	K£'000					
	1978/79	1979/80	1980/81	1981/82	1982/83	Total
Recurrent Expenditure .. ..	10,380	10,570	10,614	10,690	11,302	53,556
of which:—						
Headquarters .. .. .	570	604	640	678	719	3,211
Immigration .. .. .	847	898	952	1,009	1,069	4,775
National Registration Bureau	548	548	409	300	548	2,353
Prisons .. .. .	7,140	7,169	7,180	7,184	7,356	36,029
Children's Services .. ..	742	786	834	884	937	4,183
Probation Services .. ..	533	565	599	635	673	3,005
Development Expenditure ..	1,200	1,500	1,500	1,500	1,500	7,200
of which:—						
Immigration .. .. .	25	25	25	25	30	130
Prisons .. .. .	975	1,225	1,225	1,225	1,170	5,820
Children's Services .. ..	130	150	150	150	180	760
Probation Services .. ..	70	100	100	100	120	490
<b>Total Expenditure .. ..</b>	<b>11,580</b>	<b>12,070</b>	<b>12,114</b>	<b>12,190</b>	<b>12,802</b>	<b>60,756</b>
Estimated Foreign Aid .. ..	—	—	—	—	—	—
Local Finance .. .. .	11,580	12,070	12,114	12,190	12,802	60,756

## Immigration Department Programme

The Immigration Department issues passports to citizens, visas to foreign visitors and work permits to qualified non-citizens employed in Kenya. A total of K£130,000 is earmarked for minor works on several control posts during the plan period.

IMMIGRATION DEPARTMENT, EXPENDITURE AND FINANCE, 1978/79-1982/83

	1978/79	1979/80	1980/81	1981/82	1982/83	Total
Recurrent Expenditure ..	847	898	952	1,009	1,069	4,775
Development Expenditure ..	25	25	25	25	30	130
<b>Total Expenditure ..</b>	<b>872</b>	<b>923</b>	<b>977</b>	<b>1,034</b>	<b>1,099</b>	<b>4,905</b>
Estimated Foreign Aid ..	—	—	—	—	—	—
Local Finance .. .. .	872	923	977	1,034	1,099	4,905

## Prisons Department Development Programme

The Prisons Department is responsible for accommodating prisoners and finding ways of imparting various skills on to them in the effort to rehabilitate them to become useful citizens after they have served their terms of imprisonment. The facilities and professional technical personnel have not grown fast enough to cater for the increase in prisoner population. There are several new institutions to be constructed and plans to expand existing facilities are underway. The new Prisons Headquarters Office Block will be constructed during the present plan period at a total capital cost of K£1,500,000. Construction of the Prisons Staff Training College at Tatu will be continued during the plan period at a total capital cost of K£2,150,000. Several prisons will be expanded and new prisons are planned to be constructed at Mwea, Bura, and Kakamega.

PRISONS DEPARTMENT, EXPENDITURE AND FINANCE, 1978-1983

	1978/79	1979/80	1980/81	1981/82	1982/83	Total
Recurrent Expenditure ..	7,040	7,169	7,180	7,184	7,356	36,029
Development Expenditure ..	975	1,225	1,225	1,225	1,170	5,820
<b>Total Expenditure ..</b>	<b>8,115</b>	<b>8,394</b>	<b>8,405</b>	<b>8,409</b>	<b>8,526</b>	<b>41,849</b>
Estimated Foreign Aid ..	—	—	—	—	—	—
Local Finance .. .. .	8,115	8,394	8,405	8,409	8,526	41,849

K£'000

PROJECTS IN PRISONS DEVELOPMENT PROGRAMME

*Expenditure in K£'000*

Project Name and Number	1978/79	1979/80	1980/81	1981/82	1982/83	Total
05311700040000						
New Prisons Headquarters Office						
Block .. .. .	300	400	400	400	—	1,500
053117000400001						
Kamiti Prison .. .. .	50	50	50	50	50	250
05311743040000						
Mwea Prison .. .. .	—	—	—	20	80	100
05311743040001						
Prisons Staff Training College—						
Tatu .. .. .	200	350	350	350	450	1,700
05311744040000						
Hindi Prison .. .. .	25	25	25	25	50	150
05311744040001						
Shimo-la-Tewa Prison .. .. .	60	60	60	40	50	270
05311744040002						
Bura Prison .. .. .	—	—	—	—	80	80
05311745040000						
Embu Prison .. .. .	70	70	70	70	50	330
053117450040001						
Maua Prison .. .. .	—	—	—	20	50	70
0531174004000						
Kibos Prison .. .. .	40	40	40	40	60	220
05311742040000						
Athi River Prison .. .. .	50	50	50	30	30	210
05311742040001						
Naivasha Prison .. .. .	80	80	80	80	80	400
05311742040002						
Ngeria Farm Prison .. .. .	30	30	30	30	30	150
05311741040000						
Shikusa Borstal Institution .. .. .	50	50	50	30	30	210
05311741040001						
Kakamega Prison .. .. .	—	—	—	20	50	70
05311741040002						
Miscellaneous Projects .. .. .	20	20	20	20	30	110

**Children's Department Programme**

The Children's Department runs approved schools and remand homes, which offer training and guidance to juveniles who show early criminal tendencies, in an effort to mould them into being responsible mature people later on. The success achieved so far under this programme on the one hand, and the increased apparent demand on these facilities on the other, have obviated the need for their expansion. During the 1978-83 plan period several existing facilities will be improved and expanded to meet the growing demand.

CHILDREN'S DEPARTMENT, EXPENDITURE AND FINANCE, 1978-1983

K£'000

	1978/79	1979/80	1980/81	1981/82	1982/83	Total
Recurrent Expenditure ..	742	786	834	884	937	4,183
Development Expenditure ..	130	150	150	150	180	760
<b>Total Expenditure ..</b>	<b>872</b>	<b>936</b>	<b>984</b>	<b>1,034</b>	<b>1,117</b>	<b>4,943</b>
Estimated Foreign Aid ..	—	—	—	—	—	—
Local Finance .. .. .	872	936	984	1,034	1,117	4,943

PROJECTS IN THE CHILDREN'S DEPARTMENT

Expenditure in K£'000

Project Name and Number	1978/79	1979/80	1980/81	1981/82	1982/83	Total
05412300040000 Headquarters, Improvement to Existing Premises .. ..	8	8	8	8	8	40
05412311040000 Nairobi Children's Home ..	22	42	42	60	50	216
05412311000000 Kabete Approved School Re-building .. .. .	—	—	20	20	30	70
05412311000001 Kabete Getathuru and Nairobi JRH .. .. .	20	20	—	—	—	40
05412311000002 Kirigiti Approved School Extensions .. .. .	—	—	—	—	12	12
05412334040000 Likoni Approved School Phase II	20	20	20	40	80	180
05412334004000 Machakos Approved School and Remand Home .. ..	60	60	60	35	—	215

**Probation Services Programme**

Under the Probation Services the Government assists individuals who have committed some anti-social acts due largely to inevitable circumstances in their immediate environment. People who find it difficult to adjust to normal life after prison terms as well as individuals who could better their interaction with others without having to undergo prison life are assisted.

PROBATION SERVICES EXPENDITURE AND FINANCE, 1978-1983

K£'000

	1978/79	1979/80	1980/81	1981/82	1982/83	Total
Recurrent Expenditure ..	533	565	599	635	673	3,005
Development Expenditure ..	70	100	100	100	120	490
<b>Total Expenditure ..</b>	<b>603</b>	<b>665</b>	<b>699</b>	<b>735</b>	<b>793</b>	<b>3,495</b>
Estimated Foreign Aid ..	—	—	—	—	—	—
Local Finance .. .. .	603	665	699	735	793	3,495

PROJECTS IN PROBATION SERVICES

Expenditure in K£'000

Project Name and Number	1978/79	1979/80	1980/81	1981/82	1982/83	Total
05512810040000						
Nairobi Hostel Workshop ..	30	—	—	—	—	30
05512800000001						
Central Probation Hostel ..	—	—	—	—	40	40
05512800000002						
Eastern Probation Hostel ..	—	—	—	—	—	—
05512800000003						
North-Eastern Probation Services	—	10	—	—	—	10
05512800000004						
Nyanza-Probation Hostel ..	—	—	—	—	—	—
05512800000005						
Western Probation Hostel ..	—	—	—	—	—	—
05512800000006						
Eldoret Probation Hostel ..	—	—	10	50	80	140
05512800000007						
Shanzu Probation Hostel ..	40	90	90	50	—	270

## 6. MINISTRY OF ECONOMIC PLANNING AND COMMUNITY AFFAIRS

The Ministry of Economic Planning and Community Affairs is responsible for co-ordinating and articulating economic development in the country. The Rural Development Fund Programme which was initiated during the previous plan will continue in this plan. The summary of the total expenditure and finance for the Ministry is shown in the table below.

### TOTAL EXPENDITURE AND FINANCE, 1978-1983

K'£000

	1978/79	1979/80	1980/81	1981/82	1982/83	Total
Recurrent Expenditure						
Planning and Development						
Services .. .. .	673	1,134	1,322	1,636	1,945	6,710
Statistical Services .. .. .	1,206	2,261	1,233	1,229	1,281	7,210
Computer Unit .. .. .	656	673	722	740	758	3,549
Total Recurrent Expenditure ..	2,535	4,068	3,277	3,605	3,984	17,469
Development Expenditure						
Planning and Development						
Services .. .. .	805	1,213	920	804	1,386	5,128
Total Expenditure .. .. .	3,340	5,281	4,197	4,409	5,370	22,597
Estimated Foreign Aid .. .. .	150	150	150	150	150	750
Local Finance .. .. .	3,190	5,131	4,047	4,259	5,220	21,847



## 7. OFFICE OF THE VICE-PRESIDENT AND MINISTRY OF FINANCE

The Office of the Vice-President and Ministry of Finance has broad responsibilities for monetary and fiscal policy. The Ministry co-ordinates the preparation of annual, supplementary, revised and forecast estimates of expenditure, external aid and investment. The Ministry is the custodian of Government funds as well as the instrument for public participation and control in the private sector.

### OFFICE OF THE VICE-PRESIDENT AND MINISTRY OF FINANCE TOTAL EXPENDITURE AND FINANCE, 1978-1983

K£'000

	1978/79	1979/80	1980/81	1981/82	1982/83	Total
<b>Recurrent Expenditure</b>						
General Administration .. ..	1,051	1,100	700	650	720	4,221
Financial Services .. ..	368	394	413	444	465	2,084
Revenue Collection .. ..	5,003	5,432	5,815	6,177	6,493	28,920
Government Investments .. ..	337	350	350	350	350	1,737
Centralized Services .. ..	1,356	1,497	1,623	1,604	1,687	7,667
Sub-Total .. ..	8,115	8,773	8,801	9,225	9,715	44,629
<b>Development Expenditure</b>						
Headquarters Administrative Service .. ..	1,360	—	—	—	—	1,360
Revenue Collection .. ..	2,355	2,000	2,000	2,000	2,000	10,355
Government Investments .. ..	14,063	8,887	9,180	9,296	8,614	50,040
Sub-Total .. ..	17,778	10,887	11,180	11,296	10,614	61,755
<b>Total Expenditure .. ..</b>	<b>25,893</b>	<b>19,660</b>	<b>19,981</b>	<b>20,521</b>	<b>20,329</b>	<b>106,384</b>
Estimated Foreign Aid .. ..	—	300	150	100	150	700
Local Finance .. ..	25,893	19,360	19,831	20,421	20,179	105,684

## 10. MINISTRY OF AGRICULTURE

The Ministry of Agriculture will continue to pursue its responsibilities for Kenya's agricultural sector. Prime responsibility for agricultural development will continue under the Department of Agriculture. Also the Department of Veterinary Services will continue with its programmes. Within the Department of Agriculture there are the following divisions:—

1. Crop Development.
2. Livestock Development.
3. Land Development.
4. Agricultural Education and Extension.
5. Project Management and Evaluation.
6. Joint Research Services.

The Project Management and Evaluation Division will be responsible for the implementation of development projects in co-ordination with the other Divisions. Under this Project Division the Integrated Agricultural Development Programme will continue to expand as a central vehicle for promoting and co-ordinating small farm development in high and medium potential lands. A similar programme will come into operation for arid and semi-arid lands. Development programmes are also carried out by parastatal bodies which include Kenya Tea Development Authority (KTDA), Agricultural Finance Corporation, Agricultural Development Corporation and the National Irrigation Board.

### TOTAL EXPENDITURE AND FINANCE, 1978/79—1982/83

K£'000

	1978/79	1979/80	1980/81	1981/82	1982/83	Total
Recurrent Expenditure ..	22,380	24,000	26,906	29,468	32,348	135,102
Development Expenditure ..	32,535	47,000	52,000	55,000	70,000	256,535
<b>Total Expenditure ..</b>	<b>54,915</b>	<b>71,000</b>	<b>78,906</b>	<b>84,468</b>	<b>102,348</b>	<b>391,637</b>
Estimated Foreign Aid ..	15,994	23,455	26,402	28,140	36,429	130,420
Local Finance .. ..	38,921	47,545	52,504	56,328	65,919	261,217

PROJECTS UNDER GENERAL ADMINISTRATION AND PLANNING, 1978/79-1982/83

K£'000

Project Name and Number	1978/79	1979/80	1980/81	1981/82	1982/83	Total
10019001040000						
Headquarters: Construction of Buildings .. .. .	150	500	100	—	—	750
10019301050000						
General Planning .. .. .	423	442	459	475	492	2,291
10019301060000						
Irrigation Sector Study .. .. .	—	35	45	25	25	130
10019301070000						
Marginal Lands Pre-Investment Study .. .. .	—	190	260	270	300	1,020
10019301080000						
Feasibility Study Horticultural Development .. .. .	—	20	40	—	—	60
10019301090000						
Baringo Development Regional Study .. .. .	—	—	20	40	—	60
10019302010000						
Rural Landless Poor Study .. .. .	—	50	50	100	100	300
<b>Total General Administration and Planning ..</b>	<b>573</b>	<b>1,237</b>	<b>974</b>	<b>910</b>	<b>917</b>	<b>4,611</b>

**Livestock Development**

Livestock development activities of the Ministry will increasingly aim at the intensification of grass and fodder crop production in the medium and high potential areas and to mobilize livestock production in the arid and semi-arid parts of the country. The major integrated Livestock Development Programme in the range areas will continue in co-ordination with the Arid/Semi-Arid Lands Development.

A number of other projects are planned in order to support on-going developments.

LIVESTOCK DEVELOPMENT, TOTAL EXPENDITURES AND FINANCE, 1978-83

K£'000

	1978/79	1979/80	1980/81	1981/82	1982/83	Total
Recurrent Expenditure ..	8,201	9,239	10,608	12,285	14,102	54,435
Development Expenditure ..	7,215	6,784	6,854	6,981	7,688	35,522
<b>Total Expenditure ..</b>	<b>15,416</b>	<b>16,023</b>	<b>17,462</b>	<b>19,266</b>	<b>21,790</b>	<b>89,957</b>
Estimated Foreign Aid ..	3,463	3,052	3,016	3,281	3,690	16,502
Local Finance .. .. .	11,953	12,971	14,446	15,985	18,100	72,455

PROJECTS IN LIVESTOCK DEVELOPMENT

K£'000

Project Name and Number	1978/79	1979/80	1980/81	1981/82	1982/83	Total
10120201000100						
Veterinary Clinical Centres ..	178	150	49	54	57	488
10120201100200						
Rinderpest/CBPP Eradication Programme .. .. .	37	38	38	40	41	194
10120201200300						
CBPP Testing Unit .. .. .	149	139	143	145	147	723
10120201300400						
Foot and Mouth Disease Control	1,319	1,300	1,350	1,400	1,500	6,869
10120201400500						
General Veterinary Services—Pastoral Areas .. .. .	211	142	150	160	170	833
10120201500600						
Assistance to Harambee Dip Construction .. .. .	66	70	80	85	90	391
10120201600700						
Project Evaluation .. .. .	18	10	5	4	—	37
10120201700800						
Tick Control Project .. .. .	1,719	1,769	1,800	1,825	2,000	9,113
10120201800900						
Cattle Dip Construction and Operation—Coast Province	230	240	230	200	150	1,050
10120201901000						
Veterinary Clinical Centres—Coast Province .. .. .	94	176	228	250	295	1,043
10120311100100						
Kabete Veterinary Laboratory	278	50	50	25	—	403
10120311200200						
Wellcome Institute for Research—Embakasi .. .. .	9	12	14	15	16	66
10120325000300						
Veterinary Investigation Laboratory (Karatina) .. .. .	24	10	—	—	—	34
10120344500400						
Wildlife Disease Control .. .. .	47	50	25	—	—	122
10120401000100						
Artificial Insemination—Kabete	207	120	20	25	—	372
10120601000000						
Meat Inspectorate .. .. .	105	20	20	15	50	210
10120700100300						
Veterinary Division Staff Housing	31	40	46	49	53	219
10121101000100						
Kiboko Range Research Stations	41	155	250	250	400	1,096
10121102000200						
Buchuma Range Research Stations .. .. .	26	29	33	35	80	203
10121201000100						
Range Development and Improvement .. .. .	291	239	245	251	259	1,285
10121202000200						
Livestock Project Co-ordinating Unit .. .. .	50	39	30	27	25	171

PROJECTS IN LIVESTOCK DEVELOPMENT—(Contd.)

₹'000

Project Name and Number	1978/79	1979/80	1980/81	1981/82	1982/83	Total
10121242000300 Grazing Block Development— Isiolo .. .. .	68	75	79	85	120	427
10121250000400 Grazing Block Development— N.E.P. .. .. .	280	285	276	283	288	1,412
10121400000100 Range Development and Im- provement Construction Unit	—	20	28	35	43	126
10121701000100 Development of Livestock Move- ment and Marketing ..	794	410	420	424	427	2,475
10121702000200 Buying Centres and Transport Programmes .. .. .	321	200	223	230	235	1,209
10121703000300 Housing for Staff in Range Areas	—	30	35	35	43	143
10122401000100 National Animal Husbandry Research Station (Naivasha)	10	15	15	20	30	90
10122402000200 Other Animal Husbandry Re- search Stations .. ..	28	35	35	39	50	187
10122403000300 Beef Industry Development ..	29	31	33	35	37	165
10122404000400 Alupe Animal Research Stations	16	18	18	15	30	97
10122405000500 Sorghum and Millet Development	29	35	38	40	41	183
10122406000600 Dairy Research Project ..	—	20	30	40	55	145
10122407000700 Poultry Research .. ..	35	40	45	50	65	235
10122501000100 Pig Development Project ..	26	35	40	60	90	251
10122502000200 Bee Keeping Project .. ..	328	268	230	215	209	1,250
10122503000300 Sheep and Goats Project ..	—	235	240	240	245	960
10122504000400 Poultry Development Project ..	74	79	85	90	100	428
10122505000500 Livestock and Milk Recording	24	29	33	35	39	160
10122505500550 Data Process for Progeny Testing .. .. .	23	26	30	35	39	153
10122506000700 Dairy Collection and Cooling Centre .. .. .	—	100	115	120	137	472

## Crop Development

Total expenditure for crop development and farm management services will be directed towards land use intensification, much of which will be channelled through the Integrated Agricultural Development Programme and other related projects. A number of special crop production schemes will be organized through publicly and privately owned boards and corporations, the major ones being the Kenya Tea Development Authority (KTDA), Maize and Produce Board (M&PB), Cotton Lint and Seed Marketing Board, Pyrethrum Board, the Wheat Board and the Horticultural Crop Development Authority (HCDA).

### CROP DEVELOPMENT, TOTAL EXPENDITURE AND FINANCE, 1978-1983

K£'000

	1978/79	1979/80	1980/81	1981/82	1982/83	Total
Recurrent Expenditure ..	5,331	7,259	8,235	8,568	9,014	38,407
Development Expenditure ..	14,738	27,051	30,280	32,136	42,149	146,354
<b>Total Expenditure ..</b>	<b>20,069</b>	<b>34,310</b>	<b>38,515</b>	<b>40,704</b>	<b>51,163</b>	<b>184,761</b>
External Finance .. ..	7,811	14,067	16,048	17,032	22,339	77,297
Local Finance .. .. .	12,258	20,243	22,467	23,672	28,824	107,464

### PROJECTS IN CROP DEVELOPMENT PROGRAMME

K£'000

Project Name and Number	1978/79	1979/80	1980/81	1981/82	1982/83	Total
10223001000100						
Scientific Research Division ..	—	20	30	40	60	150
10223002000200						
Support of University of Nairobi Research .. .. .	—	50	100	150	300	600
10223003000300						
Support for Egerton College Research .. .. .	—	20	25	30	35	110
10223201000100						
Horticultural Research Project	85	90	60	65	67	367
10223202000200						
Potato Research Unit .. ..	1	9	12	14	17	53
10223202500300						
Sugar Research Station, Kibos	25	30	31	33	50	169
10223203000400						
Njoro Plant Breeding Stations	10	12	16	20	27	85
10223203500500						
Pasture Research Project ..	83	48	34	34	35	234
10223204000600						
Zonal Sugar Research Project	—	30	40	45	50	165

PROJECTS IN CROP DEVELOPMENT PROGRAMME—(Contd.)

K£'000

Project Name and Number	1978/79	1979/80	1980/81	1981/82	1982/83	Total
10223204500700						
Rice Research Project .. ..	—	20	25	25	40	110
10223205000800						
Dry Bean Project .. ..	46	49	52	55	59	261
10223206000900						
Oil Seed Project .. ..	0.010	10	15	25	40	90.010
10223206501000						
Plant Protection Research Pro- ject .. ..	—	100	130	160	190	580
10223207501100						
Barley Research Project .. ..	—	3	6	8	11	28
10223208001200						
Dry Land Farming Research ..	71	74	78	80	87	390
10223208501300						
Irrigation Research Project ..	95	32	38	40	60	265
10223209001400						
Pest Control Research Project..	83	89	95	102	112	481
10223209501500						
South Nyanza Sugar Research Project .. ..	22	250	260	250	330	1,112
10223211101600						
Coast Crop Research and Devel- opment .. ..	—	100	120	140	200	560
10223301000100						
Seed Unit .. ..	62	67	73	79	83	364
10223302000200						
Soil Survey Projects .. ..	57	60	60	62	85	324
10223303000300						
Pesticide Residue Project ..	21	22	23	23	24	113
10223701000100						
Approved Crop Scheme .. ..	239	40	50	55	60	444
10223702000200						
Loans and Advances to KTDA 10223703000300	800	600	600	600	600	3,200
Feasibility Studies .. ..	50	—	—	—	—	50
10223704000400						
Coffee Rehabilitation Project ..	—	200	350	1,160	2,240	3,950
10223704500500						
Tobacco Rehabilitation Project	—	84	114	130	160	488
10223705000600						
Rainfed Rice Project .. ..	—	12	15	18	23	68
10223705500700						
Crop Protection Service .. ..	—	10	14	18	15	57
10223706000800						
Sugar Development Programme 10223707000900	650	2,000	1,700	1,360	1,600	7,310
Special Project—North-Eastern and Coast Provinces .. ..	300	50	55	50	150	605
10223707501000						
Tea and Sugar Roads .. ..	—	3,000	3,500	3,700	5,300	15,500
10223708001100						
Horticultural Extension Services	59	—	—	—	—	59

PROJECTS IN CROP DEVELOPMENT PROGRAMME—(Contd.)

K£'000

Project Name and Number	1978/79	1979/80	1980/81	1981/82	1982/83	Total
10223708501200 Strengthening Bird Control Services .. .. .	38	41	42	42	43	206
10223709000500 Cotton Development Project ..	1,031	400	250	250	375	2,306
1022379500900 Sericulture Project .. ..	41	43	45	46	46	221
10223801000100 Grain Storage Project Research	29	33	35	39	44	180
10223802000200 Grain Storage and Handling ..	1,004	490	460	300	300	2,554
10223803000300 Potato Storage and Marketing	34	33	30	25	—	122
10223804000400 Passion Fruit Research Project	29	33	37	43	46	188
10223805500500 Wholesale Markets: Nairobi, Mombasa and Country Centres	—	50	100	150	240	540
10223903000200 Tea factories .. .. .	—	3,500	3,000	2,000	1,000	9,500
10224000000100 Grants to Irrigation Project ..	5,119	6,370	7,500	8,000	9,500	36,489
10224001000200 Loans for Irrigation Projects ..	39	250	300	325	750	1,664
10224002000300 Yala Development .. .. .	—	250	275	300	300	1,125
10224101000100 IADP Phase I .. .. .	683	1,150	1,200	1,250	1,170	5,453
10224102000200 IADP Phase II .. .. .	651	1,100	1,300	1,500	1,700	6,251
10224103000300 Smallholder Production and Credit Services .. .. .	66	70	75	80	85	376
10224104000400 Group Farm Rehabilitation Project .. .. .	71	500	1,000	1,150	1,250	3,971
10224105000500 Marginal Lands Pre-Investment Study .. .. .	130	—	—	—	—	130
10224105500600 Other Integrated Regional Pro- grammes .. .. .	—	50	850	1,100	4,000	6,000
10224106000700 IDA Agricultural Credit III ..	139	—	—	—	—	139
10224106500800 Mixed Group Farm Development Project .. .. .	—	150	200	225	250	825
10224107000900 Narok Development Project ..	2,200	2,250	2,300	2,350	2,600	11,700
10224107501000 IADP Phase III .. .. .	—	127	300	600	1,500	2,527



PROJECTS IN CROP DEVELOPMENT PROGRAMME—(Contd.)

K£'000

Project Name and Number	1978/79	1979/80	1980/81	1981/82	1982/83	Total
10224108001100 Machakos Integrated Development .. .. .	108	500	700	950	1,200	3,458
10224108501200 IADP Phase IV .. .. .	—	1,200	1,500	1,650	2,260	6,610
10224109001300 Soil Conservation Project ..	287	—	—	—	—	287
10224109501400 Horticultural Production and Marketing Project .. ..	—	930	1,060	1,150	1,410	4,550

**Land Development Division**

The Land Development Division will advise on policy matters and developments relating to land development. The Soil Conservation Service and Land Preparation and Mechanization Services will also come within the scope of responsibilities of this Division during the plan period.

LAND DEVELOPMENT, EXPENDITURE AND FINANCE, 1978/79-1982/83

K£'000

	1978/79	1979/80	1980/81	1981/82	1982/83	Total
Recurrent Expenditure ..	1,188	1,816	1,950	2,106	2,295	9,355
Development Expenditure ..	2,865	3,717	4,173	4,507	5,508	20,770
<b>Total Expenditure ..</b>	<b>4,053</b>	<b>5,533</b>	<b>6,123</b>	<b>6,613</b>	<b>7,803</b>	<b>30,125</b>
Estimated Foreign Aid ..	1,461	1,896	2,095	2,344	2,699	10,495
Local Finance .. .. .	2,592	3,637	4,028	4,269	5,104	19,630

PROJECTS IN LAND AND FARM DEVELOPMENT

K£'000

Project Name and Number	1978/79	1979/80	1980/81	1981/82	1982/83	Total
10324701000100 Soil Conservation Service ..	842	900	950	1,000	1,050	4,742
10324702000200 Tractor Hire Service .. ..	824	700	700	750	750	3,724
10324703000300 Agricultural Machinery Testing Unit .. .. .	—	4	6	7	8	25
10324704000400 Agricultural Equipment Improve- ment Project .. .. .	196	198	200	200	225	1,019
10324705000500 Minor Conservation Projects ..	—	500	700	800	1,200	3,200
10324705000600 Machakos Conservation Project	—	100	150	200	400	850
10324707000700 Soil Conservation Unit ..	—	230	275	300	360	1,165
10325001000100 Minor Irrigation Development	224	230	235	240	253	1,182
10325002000200 Small Scale Irrigation Unit ..	724	800	900	950	1,200	4,574
10325003000300 EEC Micro Project .. ..	55	55	57	60	62	289

**Area Developments**

Area projects in this programme over the plan period will include develop- ment of Lambwe Valley as well as tsetse control. Over the plan period about K£79,000 will be spent on area development. However, with the recent re- arrangements within the Department of Agriculture the regional area projects may in future be placed in this section.

PROJECTS IN AREA DEVELOPMENT, 1978/79-1982/83

K£'000

Area Projects	1978/79	1979/80	1980/81	1981/82	1982/83	Total
10425363000100 Tsetse Control .. .. .	30	—	—	—	—	30
10425364000200 Development of Lambwe Valley	49	—	—	—	—	49
<b>Total .. .. .</b>	<b>79</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>79</b>
Estimated Foreign Aid ..	—	—	—	—	—	—
Local Finance .. .. .	79	—	—	—	—	79

## Agricultural Education

The structure of Agricultural Education and Training has been established in past plans and the objective will continue to be the same with major emphasis on improvement, maximum utilization as well as expansion, of agricultural education programmes and facilities. This will be integrated within the following programmes.

1. Agricultural Information Centre.
2. Intermediate Agricultural Education.
3. Large-scale Farmers Training Centres.
4. Small-scale Farmers Training Centres.
5. Dairy Husbandry Training.

The Faculty of Agriculture at the University of Nairobi will introduce new courses at both under-graduate and post-graduate level, during the plan period.

### AGRICULTURE EDUCATION TOTAL EXPENDITURE AND FINANCE, 1978/79-1982/83

K£'000						
	1978/79	1979/80	1980/81	1981/82	1982/83	Total
Recurrent Expenditure ..	3,958	1,822	2,030	2,191	2,366	12,367
Development Expenditure ..	1,329	1,992	3,384	3,964	4,439	15,108
<b>Total Expenditure ..</b>	<b>5,287</b>	<b>3,814</b>	<b>5,414</b>	<b>6,155</b>	<b>6,805</b>	<b>27,475</b>
Estimated Foreign Aid ..	133	199	338	357	355	1,382
Local Finance .. ..	5,154	3,615	5,076	5,798	6,450	26,093

## Agricultural Information Centres

The introduction of new development programmes will require the use of appropriate media for disseminating information to the farming community. More effort will be made to close the gap between research and the farmers by the participation of extension personnel in pre-extension trials, and by the utilization of monitoring information on extension programmes as inputs into research problem identification.

### PROJECTS IN AGRICULTURE INFORMATION CENTRES

K£'000						
Project Name and Number	1978/79	1979/80	1980/81	1981/82	1982/83	Total
10525701000200 Rural Development Support Communication Centre ..	222	180	180	181	182	945
10525702000100 National Agricultural Documen- tation Centre .. ..	55	60	60	61	62	298

## Intermediate Agricultural Education

This programme will continue to train professional and subprofessional staff for the technical officer grades in the agriculture and veterinary services. Diploma training at Egerton College will be expanded from the present enrolment of 650 to 1,632 by 1983 and a new diploma course in Food Science and Technology will be introduced.

Embu and Bukura Institutes of Agriculture will be expanded from the present capacity of 250 to 400. A third 600 students capacity Institute of Agriculture will be built at the Coast after investigation and feasibility studies are completed. A new AHITI will be constructed at Ndomba Farm in Kirinyaga District to accommodate 400 students. Also the Faculty of Agriculture at the University of Nairobi will introduce new courses at both under-graduate and post-graduate level. In addition the enrolment in the faculty will be increased from 300 to 650 students.

### PROJECTS IN INTERMEDIATE AGRICULTURAL EDUCATION PROGRAMME

K£'000

Project Name and Number	1978/79	1979/80	1980/81	1981/82	1982/83	Total
10525802000100 Ndomba Institute of Agriculture	500	400	200	250	400	1,750
10525811000200 AHITI .. .. .	50	50	52	55	60	267
10525841000300 Embu Institute of Agriculture	8	60	80	100	200	448
10525844000400 Meat Inspectorate—Athi River	11	10	12	14	20	67
10525874000500 Egerton College .. ..	87	1,000	2,500	2,950	3,000	9,537
10525875000600 Naivasha Dairy Training School	10	10	12	14	25	71
10525893000700 Bukura Institute of Agriculture	90	100	150	200	300	840

### Large- and Small-scale Farmers' Training Centres

The Ministry will continue to administer the Eldoret and Nyahururu training centres on large-scale farmer training. More funds will be supplied to the Farmers' Training Centres so that a greater number of farmers can attend courses at the centres. Additional Farmers' Training Centres will be constructed at Kapenguria, Tana River and Lamu. Mobile units will also be established in Range Areas.

**PROJECTS IN LARGE AND SMALL SCALE FARMER TRAINING PROGRAMME**

K£'000

Project Name and Number	1978/79	1979/80	1980/81	1981/82	1982/83	Total
10525954000100 Nyahururu Large Scale Farmers' Training Centre .. ..	53	8	8	9	9	87
10525977000200 Eldoret Large Scale Farmers' Training Centre .. ..	11	5	5	4	4	29
10526001000100 Small Scale Training Centres ..	192	50	100	100	150	592
10526002000200 Mobile Small Scale Farmers' Training Unit .. ..	35	54	20	20	21	150

**Dairy Husbandry Training**

There will be an expansion in Dairy Husbandry Training both in Naivasha and other training centres. Enrolment at Naivasha Dairy Training School will increase from 100 to 150 by the end of the plan period.

**PROJECTS IN ANIMAL HUSBANDRY TRAINING**

K£'000

Project Name and Number	1978/79	1979/80	1980/81	1981/82	1982/83	Total
10526100000100 Animal Husbandry Training ..	5	5	5	6	6	27

**Agricultural Finance Corporation**

The Agricultural Finance Corporation will become increasingly involved in small farm credit in both agriculture and agricultural industries. It will also assist in giving loans to co-operative societies, incorporated group representatives, private companies, public bodies, local authorities and other persons engaging in agriculture and agricultural industries.

AFC operations will expand into an Agricultural Development Bank. There will be a further decentralization of AFC operations with higher loans ceiling for branch manager authority.

**AGRICULTURAL FINANCE CORPORATION, TOTAL EXPENDITURE AND FINANCE**  
1978/79-1982/83

K£'000

	1978/79	1979/80	1980/81	1981/82	1982/83	Total
Recurrent Expenditure ..	—	—	—	—	—	—
Development Expenditure ..	3,620	4,495	5,365	5,484	7,976	26,940
<b>Total Expenditure ..</b>	<b>3,620</b>	<b>4,495</b>	<b>5,365</b>	<b>5,484</b>	<b>7,976</b>	<b>26,940</b>
Estimated Foreign Aid ..	2,860	3,551	4,238	4,277	6,221	21,147
Local Finance .. .. .	760	944	1,127	1,207	1,755	5,793

**PROJECTS IN AGRICULTURAL FINANCE CORPORATION**

K£'000

Project Name and Number	1978/79	1979/80	1980/81	1981/82	1982/83	Total
10627101000100 Supervised Credit .. ..	—	—	—	—	—	—
10627102000200 IDA Agricultural Credit III	1,060	2,700	3,370	3,279	5,100	15,509
10627400000000 Large Scale Farmers Credit ..	1,000	765	760	760	755	4,040
10627500000000 Livestock Development Credit	1,160	1,000	1,200	1,400	2,041	6,801
10627600000000 Group Farm Supervised Credit	400	—	—	—	—	400
10627700000000 Stockists Credit .. .. .	—	30	35	45	80	190

**Agricultural Development Corporation**

There will be continued flow of finance from the Ministry of Agriculture to the Agricultural Development Corporation. Total expenditure for the Agricultural Development Corporation during the plan period will be K£4,590,000.

**AGRICULTURAL DEVELOPMENT CORPORATION, TOTAL EXPENDITURE AND FINANCE**  
1978/79-1982/83

K£'000

	1978/79	1979/80	1980/81	1981/82	1982/83	Total
Recurrent Expenditure ..	—	—	—	—	—	—
Development Expenditure ..	1,750	1,300	510	510	—	4,580
<b>Total Expenditure ..</b>	<b>1,750</b>	<b>1,300</b>	<b>510</b>	<b>510</b>	<b>510</b>	<b>4,580</b>
Estimated Foreign Aid ..	—	—	—	—	—	—
Local Finance .. .. .	1,750	1,300	510	510	510	4,580

PROJECTS IN AGRICULTURAL DEVELOPMENT CORPORATION

K£'000

Project Name and Number	1978/79	1979/80	1980/81	1981/82	1982/83	Total
10728001000100 Animal Production .. ..	850	800	500	500	500	3,150
10728102000200 Food Processing .. ..	900	500	10	10	20	1,440

Joint Research Services

During the plan period agricultural and veterinary research programmes will continue to develop and introduce technical innovations for application in Kenya's agriculture. The emphasis will be on research which is expected to yield applicable results for on-going development programmes. Total development expenditure during this plan period for the Joint Research Services is expected to be K£2,461,000.

JOINT RESEARCH SERVICES, TOTAL EXPENDITURE AND FINANCE, 1978/79-1982/83

K£'000

	1978/79	1979/80	1980/81	1981/82	1982/83	Total
Recurrent Expenditure ..	1,360	1,464	1,611	1,772	1,949	8,156
Development Expenditure ..	366	424	460	508	703	2,461
<b>Total Expenditure ..</b>	<b>1,726</b>	<b>1,888</b>	<b>2,071</b>	<b>2,280</b>	<b>2,652</b>	<b>10,617</b>
Estimated Foreign Aid ..	146	170	184	203	281	984
Local Finance .. ..	1,580	1,718	1,887	2,077	2,371	9,633

PROJECTS IN JOINT RESEARCH SERVICES

K£'000

Project Name and Number	1978/79	1979/80	1980/81	1981/82	1982/83	Total
10828601040010 Headquarters Muguga (KAFRO) .. ..	100	101	110	121	200	632
10828602040020 Kitale Research Station (KAFRO) .. ..	61	67	71	78	150	427
10828603040030 Herbarium-Nairobi (KAFRO)	44	48	53	59	54	258
10828701040010 Headquarters-Muguga (KVRO)	115	127	139	153	180	714
10828702040020 KVRO-ODA/Kenya Research Project .. ..	—	6	6	7	10	29
10828703000030 IDRC/Kenya Research Project	46	52	56	62	68	284
10828704000040(KVRO) Pathology Research Division ..	—	23	25	28	31	107

## 11. MINISTRY OF HEALTH

The activities of the Ministry of Health are organized in terms of six major programmes:—

1. Curative Health.
2. Preventive Medicine and Promotive Health.
3. Rural Health Services.
4. Health Training.
5. Medical Supplies Services.
6. Medical Research.

Total expenditure in support of these programmes is set out in the following table:—

MINISTRY OF HEALTH, TOTAL EXPENDITURE AND FINANCE, 1979-83

K£'000

	1978/79	1979/80	1980/81	1981/82	1982/83	Total
Recurrent Expenditure ..	30,126	33,126	36,465	39,480	42,751	181,948
Development Expenditure ..	10,339	12,091	14,047	15,064	15,551	67,092
<b>Total Expenditure ..</b>	<b>40,465</b>	<b>45,217</b>	<b>50,512</b>	<b>54,544</b>	<b>58,302</b>	<b>249,040</b>
Estimated Foreign Aid ..	2,460	4,836	5,618	6,025	6,220	25,159
Local Finance .. .. .	38,005	40,381	44,894	48,519	52,082	223,881

### Curative (Hospital) Development Programme

This programme includes four sub-programmes as follows:—

#### 1. *New District Hospitals*

The seventeen projects include the start of six new projects and the taking over and completion of eleven self-help projects which have been modified and extended to such an extent that they merit sub-hospital status. During the plan period up to 900 new hospital beds and including staff houses will be added throughout the country. Total cost is K£2.9 million.

#### 2. *Extensions and Improvements*

This sub-programme includes 61 projects (42 on-going and 19 new projects) adding some 600 additional beds to existing hospitals and new supporting facilities such as out-patient departments, operating theatres, X-ray departments, laboratories, safe water, improved sanitation and staff housing. Total cost is K£12.1 million. In addition, another K£1.9 million will be spent on the expansion of psychiatric hospitals at Mathari, Gilgil and Port Reitz.



### 3. Provincial Hospitals

This sub-programme is aimed at the expansion and diversification of the training and service capacities of provincial hospitals. Master plans for each hospital have already been completed and construction will proceed in phases over ten years. An allocation of K£9.8 million is made for this plan period.

### 4. Kenyatta National Hospital

Construction of Phase III was started during the last Plan and will be completed during this plan period to improve teaching and referral facilities at the hospital. This final phase will provide an additional 1,200 beds. Total costs during the plan period are estimated at K£3.5 million.

#### HOSPITAL DEVELOPMENT PROGRAMME, TOTAL EXPENDITURE AND FINANCE, 1979-83

K£'000

	1978/79	1979/80	1980/81	1981/82	1982/83	Total
Recurrent Expenditure	18,116.0	20,278.0	22,353.0	24,226.0	26,257.0	111,230.0
Development Expenditure						
New District Hospitals	181.0	477.0	499.0	765.0	930.0	2,852.0
Extensions and Improvements .. ..	3,242.0	2,613.0	2,184.0	2,327.0	1,813.0	12,179.0
Provincial Hospitals .. ..	2,271.0	1,987.0	1,728.0	2,172.0	1,713.0	9,871.0
Kenyatta National Hospital .. ..	1,159.0	1,316.0	1,000.0	40.0	40.0	3,555.0
Sub-Total .. ..	6,853.0	6,393.0	5,411.0	5,304.0	4,496.0	28,457.0
<b>Total Expenditure</b>	<b>24,969.0</b>	<b>26,671.0</b>	<b>27,764.0</b>	<b>29,530.0</b>	<b>30,753.0</b>	<b>139,687.0</b>
Estimated Foreign Aid	1,214.1	1,278.0	1,082.0	1,060.0	899.0	5,533.1
Local Finance .. ..	23,754.9	25,393.0	26,682.0	28,470.0	29,854.0	134,153.9

#### PROJECTS IN THE NEW HOSPITALS SUB-PROGRAMME

K£'000

Project Name and Number	1978/79	1979/80	1980/81	1981/82	1982/83	Total
11131733040000						
Mkowe Hospital						
Total Expenditure .. ..	50.0	100.0	150.0	100.0	60.0	460.0
Import Content .. ..	14.5	29.0	43.5	29.0	17.4	133.4
11131764140000						
Migori Hospital						
Total Expenditure .. ..	30.0	80.0	74.0	30.0	—	214.0
Import Content .. ..	8.7	23.2	21.4	8.7	—	62.0
11131772140000						
Iten Hospital						
Total Expenditure .. ..	50.0	125.0	100.0	120.0	100.0	495.0
Import Content .. ..	14.5	36.2	29.0	34.8	29.0	143.5

PROJECTS IN THE NEW HOSPITALS SUB-PROGRAMME—(Contd.)

K£'000

Project Name and Number	1978/79	1979/80	1980/81	1981/82	1982/83	Total
11131791040000						
Webuye Hospital						
<i>Total Expenditure</i> .. ..	10.0	—	50.0	150.0	100.0	310.0
<i>Import Content</i> .. ..	2.9	—	14.5	43.5	29.0	89.9
11131711040000						
Nairobi Hospital						
<i>Total Expenditure</i> .. ..	—	25.0	50.0	60.0	100.0	235.0
<i>Import Content</i> .. ..	—	7.2	14.5	17.4	29.0	68.1
11131734040000						
Mombasa (Mainland) Hospital						
<i>Total Expenditure</i> .. ..	—	—	—	30.0	70.0	100.0
<i>Import Content</i> .. ..	—	—	—	8.7	20.3	29.0
11131720040000						
Karatina Hospital						
<i>Total Expenditure</i> .. ..	—	—	—	40.0	100.0	140.0
<i>Import Content</i> .. ..	—	—	—	11.6	29.0	40.6
11131721340000						
Kigumo Hospital						
<i>Total Expenditure</i> .. ..	7.0	10.0	—	—	—	17.0
<i>Import Content</i> .. ..	2.0	2.9	—	—	—	4.9
11131763140000						
Bondo Hospital						
<i>Total Expenditure</i> .. ..	—	—	20.0	50.0	50.0	120.0
<i>Import Content</i> .. ..	—	—	5.8	14.5	14.5	34.8
11131792240000						
Port Victoria Hospital						
<i>Total Expenditure</i> .. ..	—	50.0	50.0	50.0	—	150.0
<i>Import Content</i> .. ..	—	14.5	14.5	14.5	—	43.5
11131746240000						
Chuka Hospital						
<i>Total Expenditure</i> .. ..	34.0	47.0	5.0	—	—	86.0
<i>Import Content</i> .. ..	9.8	13.6	1.5	—	—	24.9
11131793040000						
Vihiga Hospital						
<i>Total Expenditure</i> .. ..	—	40.0	—	60.0	100.0	200.0
<i>Import Content</i> .. ..	—	11.6	—	17.4	29.0	58.0
11131786140000						
Karapokot Hospital						
<i>Total Expenditure</i> .. ..	—	—	—	35.0	50.0	85.0
<i>Import Content</i> .. ..	—	—	—	10.1	14.5	24.6
11131720140000						
Othaya Hospital						
<i>Total Expenditure</i> .. ..	—	—	—	10.0	50.0	60.0
<i>Import Content</i> .. ..	—	—	—	2.9	14.5	17.4
11131773140000						
Laikipia Hospital						
<i>Total Expenditure</i> .. ..	—	—	—	10.0	50.0	60.0
<i>Import Content</i> .. ..	—	—	—	2.9	14.5	17.4
11131792140000						
Nambale Hospital						
<i>Total Expenditure</i> .. ..	—	—	—	10.0	50.0	60.0
<i>Import Content</i> .. ..	—	—	—	2.9	14.5	17.4
11131743140000						
Kyuso Hospital						
<i>Total Expenditure</i> .. ..	—	—	—	10.0	50.0	60.0
<i>Import Content</i> .. ..	—	—	—	2.9	14.5	17.4

PROJECTS IN THE EXTENSIONS AND IMPROVEMENTS SUB-PROGRAMME

K£'000

Project Name and Number	1978/79	1979/80	1980/81	1981/82	1982/83	Total
111317000220000						
General Maintenance						
<i>Total Expenditure</i> .. ..	100.0	75.0	50.0	70.0	70.0	365.0
<i>Import Content</i> .. ..	50.0	37.5	25.0	35.0	35.0	182.5
111317210405000						
Kiambu Hospital						
<i>Total Expenditure</i> .. ..	85.0	—	70.0	45.0	—	200.0
<i>Import Content</i> .. ..	24.6	—	20.3	13.1	—	58.0
111317210400000						
Gatundu Hospital						
<i>Total Expenditure</i> .. ..	14.0	30.0	—	—	—	44.0
<i>Import Content</i> .. ..	4.1	8.7	—	—	—	12.8
111317212400000						
Thika Hospital						
<i>Total Expenditure</i> .. ..	—	—	—	—	5.0	5.0
<i>Import Content</i> .. ..	—	—	—	—	1.4	1.4
111317214400000						
Tigoni Hospital						
<i>Total Expenditure</i> .. ..	—	—	—	20.0	50.0	70.0
<i>Import Content</i> .. ..	—	—	—	5.8	14.5	20.3
111317220400000						
Kerugoya Hospital						
<i>Total Expenditure</i> .. ..	100.0	90.0	90.0	50.0	—	330.0
<i>Import Content</i> .. ..	29.0	26.1	26.1	14.5	—	95.7
111317230400000						
Murang'a Hospital						
<i>Total Expenditure</i> .. ..	130.0	130.0	100.0	60.0	—	420.0
<i>Import Content</i> .. ..	37.7	37.7	29.0	17.4	—	121.8
111317231400000						
Muriranjias Hospital						
<i>Total Expenditure</i> .. ..	57.0	40.0	48.0	40.0	30.0	215.0
<i>Import Content</i> .. ..	16.5	11.6	13.9	11.6	8.7	62.3
111317240400000						
Nyandarua Hospital						
<i>Total Expenditure</i> .. ..	9.0	—	—	—	—	9.0
<i>Import Content</i> .. ..	2.6	—	—	—	—	2.6
111317310400000						
Kilifi Hospital						
<i>Total Expenditure</i> .. ..	130.0	150.0	55.0	—	—	335.0
<i>Import Content</i> .. ..	37.7	43.5	15.9	—	—	97.1
111317314000000						
Malindi Hospital						
<i>Total Expenditure</i> .. ..	46.0	40.0	—	—	—	86.0
<i>Import Content</i> .. ..	13.3	11.6	—	—	—	24.9
111317360400000						
Hola Hospital						
<i>Total Expenditure</i> .. ..	250.0	175.0	80.0	—	—	505.0
<i>Import Content</i> .. ..	72.5	50.7	23.2	—	—	146.4
111317320400000						
Msambweni Hospital						
<i>Total Expenditure</i> .. ..	—	25.0	100.0	100.0	50.0	275.0
<i>Import Content</i> .. ..	—	7.2	29.0	29.0	14.5	79.7

## PROJECTS IN THE EXTENSIONS AND IMPROVEMENTS SUB-PROGRAMME—(Contd.)

K£'000

Project Name and Number	1978/79	1979/80	1980/81	1981/82	1982/83	Total
11131732040000						
Kinango Hospital						
<i>Total Expenditure</i> .. ..	10·0	18·0	—	—	—	28·0
<i>Import Content</i> .. ..	2·9	5·2	—	—	—	8·1
11131732240000						
Kwale Hospital						
<i>Total Expenditure</i> .. ..	30·0	20·0	—	—	—	50·0
<i>Import Content</i> .. ..	8·7	5·8	—	—	—	14·5
11131735040000						
Taveta Hospital						
<i>Total Expenditure</i> .. ..	150·0	160·0	50·0	50·0	—	410·0
<i>Import Content</i> .. ..	43·5	46·4	14·5	14·5	—	118·9
11131735140000						
Wesu Hospital						
<i>Total Expenditure</i> .. ..	140·0	110·0	100·0	—	—	350·0
<i>Import Content</i> .. ..	40·6	31·9	29·0	—	—	101·4
11131735140000						
Voi Hospital						
<i>Total Expenditure</i> .. ..	125·0	80·0	27·0	—	—	232·0
<i>Import Content</i> .. ..	36·2	23·2	7·8	—	—	67·2
11131736140000						
Kipini Hospital						
<i>Total Expenditure</i> .. ..	—	—	—	—	50·0	50·0
<i>Import Content</i> .. ..	—	—	—	—	14·5	14·5
11131736240000						
Garsen Hospital						
<i>Total Expenditure</i> .. ..	—	—	—	—	40·0	40·0
<i>Import Content</i> .. ..	—	—	—	—	11·6	11·6
11131733140000						
Lamu Hospital						
<i>Total Expenditure</i> .. ..	—	—	—	—	30·0	30·0
<i>Import Content</i> .. ..	—	—	—	—	8·7	8·7
11131741040000						
Embu Hospital						
<i>Total Expenditure</i> .. ..	20·0	—	30·0	100·0	100·0	250·0
<i>Import Content</i> .. ..	5·8	—	8·7	29·0	29·0	72·5
11131742040000						
Isiolo Hospital						
<i>Total Expenditure</i> .. ..	40·0	70·0	105·0	100·0	100·0	415·0
<i>Import Content</i> .. ..	11·6	20·3	30·4	29·0	29·0	120·3
11131743040000						
Kitui Hospital						
<i>Total Expenditure</i> .. ..	36·0	10·0	—	50·0	70·0	166·0
<i>Import Content</i> .. ..	10·4	2·9	—	14·5	20·3	48·1
11131744140000						
Makueni Hospital						
<i>Total Expenditure</i> .. ..	75·0	35·0	—	—	—	110·0
<i>Import Content</i> .. ..	21·7	10·1	—	—	—	31·8
11131744240000						
Kangundo Hospital						
<i>Total Expenditure</i> .. ..	36·0	40·0	15·0	—	—	91·0
<i>Import Content</i> .. ..	10·4	11·6	4·4	—	—	26·4

## PROJECTS IN THE EXTENSIONS AND IMPROVEMENTS SUB-PROGRAMME—(Contd.)

K£'000

Project Name and Number	1978/79	1979/80	1980/81	1981/82	1982/83	Total
11131745040000						
Marsabit Hospital						
<i>Total Expenditure</i> .. ..	70.0	70.0	80.0	70.0	—	290.0
<i>Import Content</i> .. ..	20.3	20.3	23.2	20.3	—	84.1
11131745140000						
Moyale Hospital						
<i>Total Expenditure</i> .. ..	20.0	40.0	100.0	120.0	50.0	330.0
<i>Import Content</i> .. ..	5.8	11.6	29.0	34.8	14.5	95.7
11131746040000						
Meru Hospital						
<i>Total Expenditure</i> .. ..	100.0	120.0	75.0	50.0	—	345.0
<i>Import Content</i> .. ..	29.0	34.8	21.7	14.5	—	100.0
11131746140000						
Ishara Hospital						
<i>Total Expenditure</i> .. ..	80.0	80.0	80.0	53.0	—	293.0
<i>Import Content</i> .. ..	23.2	23.2	23.2	15.4	—	85.0
11131744340000						
Makindu Hospital						
<i>Total Expenditure</i> .. ..	—	—	—	—	50.0	50.0
<i>Import Content</i> .. ..	—	—	—	—	14.5	14.5
11131752040000						
Mandera Hospital						
<i>Total Expenditure</i> .. ..	70.0	75.0	100.0	100.0	40.0	385.0
<i>Import Content</i> .. ..	20.3	21.7	29.0	29.0	11.6	111.6
11131753040000						
Wajir Hospital						
<i>Total Expenditure</i> .. ..	71.0	—	—	50.0	70.0	191.0
<i>Import Content</i> .. ..	20.6	—	—	14.5	20.3	55.4
11131761040000						
Kisii Hospital						
<i>Total Expenditure</i> .. ..	45.0	—	—	40.0	50.0	135.0
<i>Import Content</i> .. ..	13.1	—	—	11.6	14.5	39.2
11131761140000						
Nyamira Hospital						
<i>Total Expenditure</i> .. ..	205.0	140.0	30.0	—	—	375.0
<i>Import Content</i> .. ..	59.5	40.6	8.7	—	—	108.8
11131761240000						
Ogembo Hospital						
<i>Total Expenditure</i> .. ..	—	—	—	—	10.0	10.0
<i>Import Content</i> .. ..	—	—	—	—	2.9	2.9
11131762040000						
Kisumu (Old Nyanza) Hospital						
<i>Total Expenditure</i> .. ..	—	—	10.0	25.0	—	35.0
<i>Import Content</i> .. ..	—	—	2.9	7.2	—	10.1
11131763040000						
Siaya Hospital						
<i>Total Expenditure</i> .. ..	20.0	—	—	—	—	20.0
<i>Import Content</i> .. ..	5.8	—	—	—	—	5.8
11131764040000						
Homa Bay Hospital						
<i>Total Expenditure</i> .. ..	—	—	—	30.0	20.0	50.0
<i>Import Content</i> .. ..	—	—	—	8.7	5.8	14.5

PROJECTS IN THE EXTENSIONS AND IMPROVEMENTS SUB-PROGRAMME—(Contd.)

K£'000

Project Name and Number	1978/79	1979/80	1980/81	1981/82	1982/83	Total
11131771040000						
Kajiado Hospital						
<i>Total Expenditure</i> .. ..	25.0	—	50.0	50.0	100.0	225.0
<i>Import Content</i> .. ..	7.3	—	14.5	14.5	29.0	65.3
11131771140000						
Loitokitok Hospital						
<i>Total Expenditure</i> .. ..	4.0	25.0	—	—	—	29.0
<i>Import Content</i> .. ..	1.1	7.2	—	—	—	8.3
11131772040000						
Kericho Hospital						
<i>Total Expenditure</i> .. ..	30.0	40.0	70.0	80.0	50.0	270.0
<i>Import Content</i> .. ..	8.7	11.6	20.3	23.2	14.5	78.3
11131772240000						
Tambach Hospital						
<i>Total Expenditure</i> .. ..	—	—	10.0	30.0	—	40.0
<i>Import Content</i> .. ..	—	—	2.9	8.7	—	11.6
11131772240000						
Londiani Hospital						
<i>Total Expenditure</i> .. ..	—	—	—	50.0	70.0	120.0
<i>Import Content</i> .. ..	—	—	—	14.5	20.3	34.8
11131772340000						
Kapkatet Hospital						
<i>Total Expenditure</i> .. ..	—	—	—	50.0	70.0	120.0
<i>Import Content</i> .. ..	—	—	—	14.5	20.3	34.8
11131773040000						
T. Falls (Nyahururu) Hospital						
<i>Total Expenditure</i> .. ..	6.0	20.0	15.0	50.0	50.0	141.0
<i>Import Content</i> .. ..	1.7	5.3	4.4	14.5	14.5	40.9
11131773140000						
Nanyuki Hospital						
<i>Total Expenditure</i> .. ..	—	40.0	100.0	60.0	40.0	240.0
<i>Import Content</i> .. ..	—	11.6	29.0	17.4	11.6	69.6
11131774140000						
Naivasha Hospital						
<i>Total Expenditure</i> .. ..	22.0	10.0	50.0	70.0	—	152.0
<i>Import Content</i> .. ..	6.4	2.9	14.5	20.3	—	44.1
11131774240000						
Molo Hospital						
<i>Total Expenditure</i> .. ..	—	—	—	50.0	70.0	120.0
<i>Import Content</i> .. ..	—	—	—	14.5	20.3	34.8
11131775040000						
Narok Hospital						
<i>Total Expenditure</i> .. ..	76.0	80.0	100.0	84.0	50.0	390.0
<i>Import Content</i> .. ..	22.0	23.2	29.0	24.3	14.5	113.0
11131776040000						
Kitale Hospital						
<i>Total Expenditure</i> .. ..	60.0	75.0	100.0	100.0	50.0	385.0
<i>Import Content</i> .. ..	17.4	21.7	29.0	29.0	14.5	111.6
11131777040000						
Eldoret Hospital						
<i>Total Expenditure</i> .. ..	135.0	75.0	33.0	80.0	50.0	373.0
<i>Import Content</i> .. ..	39.2	21.7	9.6	23.2	14.5	108.2

## PROJECTS IN THE EXTENSIONS AND IMPROVEMENTS SUB-PROGRAMME—(Contd.)

K£'000

Project Name and Number	1978/79	1979/80	1980/81	1981/82	1982/83	Total
11131781040000						
Kabarnet Hospital						
<i>Total Expenditure</i> .. ..	23·0	80·0	13·0	—	—	116·0
<i>Import Content</i> .. ..	6·7	23·2	3·7	—	—	33·6
11131783040000						
Kapsabet Hospital						
<i>Total Expenditure</i> .. ..	—	—	—	50·0	100·0	150·0
<i>Import Content</i> .. ..	—	—	—	14·5	29·0	43·5
11131783140000						
Nandi Hills Hospital						
<i>Total Expenditure</i> .. ..	71·0	75·0	28·0	—	—	174·0
<i>Import Content</i> .. ..	20·6	21·7	8·1	—	—	50·4
11131784040000						
Maralal Hospital						
<i>Total Expenditure</i> .. ..	—	—	—	—	30·0	30·0
<i>Import Content</i> .. ..	—	—	—	—	8·7	8·7
11131785040000						
Lodwar Hospital						
<i>Total Expenditure</i> .. ..	130·0	150·0	150·0	150·0	70·0	650·0
<i>Import Content</i> .. ..	37·7	43·5	43·5	43·5	20·3	188·5
11131785140000						
Lokitaung Hospital						
<i>Total Expenditure</i> .. ..	41·0	—	—	50·0	60·0	151·0
<i>Import Content</i> .. ..	11·9	—	—	14·5	17·4	43·8
11131786040000						
Kapenguria Hospital						
<i>Total Expenditure</i> .. ..	305·0	40·0	—	—	—	345·0
<i>Import Content</i> .. ..	88·5	11·6	—	—	—	100·1
11131791140000						
Bungoma Hospital						
<i>Total Expenditure</i> .. ..	50·0	60·0	70·0	100·0	10·0	290·0
<i>Import Content</i> .. ..	14·5	17·4	20·3	29·0	2·9	84·1
11131792040000						
Busia Hospital						
<i>Total Expenditure</i> .. ..	—	20·0	—	—	—	20·0
<i>Import Content</i> .. ..	—	5·8	—	—	—	5·8
11131792340000						
Alupe Hospital						
<i>Total Expenditure</i> .. ..	—	—	—	—	58·0	58·0
<i>Import Content</i> .. ..	—	—	—	—	16·8	16·8
1113181140000						
Mathari MSU						
<i>Total Expenditure</i> .. ..	30·0	50·0	—	—	—	80·0
<i>Import Content</i> .. ..	8·7	14·5	—	—	—	23·2
11131811240000						
Mathari, Civil						
<i>Total Expenditure</i> .. ..	10·0	50·0	200·0	350·0	500·0	1,110·0
<i>Import Content</i> .. ..	2·9	14·5	58·0	101·5	145·0	321·9
11131834040000						
Port Reitz						
<i>Total Expenditure</i> .. ..	—	25·0	—	100·0	300·0	425·0
<i>Import Content</i> .. ..	—	7·3	—	29·0	87·0	123·3

PROJECTS IN THE EXTENSIONS AND IMPROVEMENTS SUB-PROGRAMME—(Contd.)

K£'000

Project Name and Number	1978/79	1979/80	1980/81	1981/82	1982/83	Total
11131874140000 Gilgil						
<i>Total Expenditure</i> .. ..	—	50·0	150·0	—	100·0	300·0
<i>Import Content</i> .. ..	—	14·5	43·5	—	29·0	87·0

PROJECTS IN THE PROVINCIAL HOSPITALS SUB-PROGRAMME

K£'000

Project Name and Number	1978/79	1979/80	1980/81	1981/82	1982/83	Total
11131620040000 Nyeri Hospital						
<i>Total Expenditure</i> .. ..	360·0	387·0	400·0	300·0	250·0	1,697·0
<i>Import Content</i> .. ..	104·4	112·2	116·0	87·0	72·5	492·1
11131630040000 Mombasa Hospital						
<i>Total Expenditure</i> .. ..	760·0	500·0	388·0	382·0	213·0	2,243·0
<i>Import Content</i> .. ..	220·4	145·0	112·5	110·8	61·7	650·4
11131640040000 Machakos Hospital						
<i>Total Expenditure</i> .. ..	360·0	350·0	300·0	350·0	300·0	1,660·0
<i>Import Content</i> .. ..	104·4	101·5	87·0	101·5	87·0	481·4
11131650040000 Garissa Hospital						
<i>Total Expenditure</i> .. ..	—	—	50·0	250·0	200·0	500·0
<i>Import Content</i> .. ..	—	—	14·5	72·5	58·0	145·0
11131660040000 Kisumu Hospital						
<i>Total Expenditure</i> .. ..	261·0	250·0	60·0	90·0	—	661·0
<i>Import Content</i> .. ..	75·6	72·5	17·4	26·1	—	191·7
11131670040000 Nakuru Hospital						
<i>Total Expenditure</i> .. ..	210·0	250·0	350·0	550·0	400·0	1,760·0
<i>Import Content</i> .. ..	60·9	87·0	101·5	159·5	116·0	510·4
11131690040000 Kakamega Hospital						
<i>Total Expenditure</i> .. ..	320·0	250·0	180·0	250·0	350·0	1,350·0
<i>Import Content</i> .. ..	92·8	72·5	52·2	72·5	101·5	391·5



## Rural Health Programme

The targets for 1983 will be reached through the construction of 22 new Rural Health Demonstration Centres, programme under training, 5 new health centres and 40 new dispensaries. A further 97 sub-standard health centres and 142 dispensaries will be upgraded and improved. Land and water mobile health units will be provided in the remote areas of the country.

### RURAL HEALTH FACILITIES PROGRAMME, EXPENDITURE AND FINANCE, 1979-83

K£'000

	1978/79	1979/80	1980/81	1981/82	1982/83	Total
Development Expenditure ..	1,435	2,645	3,989	4,407	4,707	17,183
Recurrent Expenditure ..	2,903	3,560	3,984	4,322	4,688	19,457
<b>Total Expenditure ..</b>	<b>4,338</b>	<b>6,205</b>	<b>7,973</b>	<b>8,729</b>	<b>9,395</b>	<b>36,640</b>
Estimated Foreign Aid ..	465	1,190	1,795	1,983	2,118	17,551
Local Finance .. ..	3,873	5,015	6,178	6,746	7,277	29,089

### RURAL HEALTH CAPITAL DEVELOPMENT

K£'000

	1978/79	1979/80	1980/81	1981/82	1982/83	Total
Improvement of 91 Health Centres .. ..	(8)	(15)	(20)	(23)	(25)	(91)
Improvement of 110 Dispensaries .. ..	600	1,125	1,500	1,725	1,875	6,825
Construction of 5 New Health Centres .. ..	(10)	(16)	(26)	(26)	(32)	(110)
Construction of 40 New Dispensaries .. ..	200	320	520	520	640	2,200
Improvement/Upgrading of 6 Sub-Centres to Health Centres .. ..	(1)	(1)	(1)	(1)	(1)	(5)
Improvement/Upgrading of 32 Dispensaries to Health Centres .. ..	105	105	105	105	105	525
Equipment .. ..	(3)	(5)	(10)	(11)	(11)	(40)
<b>TOTAL .. ..</b>	<b>105</b>	<b>175</b>	<b>350</b>	<b>385</b>	<b>385</b>	<b>1,400</b>
Improvement/Upgrading of 6 Sub-Centres to Health Centres .. ..	(1)	(2)	(1)	(1)	(1)	(6)
Improvement/Upgrading of 32 Dispensaries to Health Centres .. ..	75	150	75	75	75	450
Equipment .. ..	(2)	(4)	(8)	(9)	(9)	(32)
<b>TOTAL .. ..</b>	<b>190</b>	<b>380</b>	<b>760</b>	<b>855</b>	<b>855</b>	<b>3,040</b>
<b>TOTAL .. ..</b>	<b>160</b>	<b>390</b>	<b>679</b>	<b>742</b>	<b>772</b>	<b>2,743</b>
<b>TOTAL .. ..</b>	<b>1,435</b>	<b>2,645</b>	<b>3,989</b>	<b>4,407</b>	<b>4,707</b>	<b>17,183</b>

	1978/79					1979/80					1980/81					1981/82					1982/83					Total											
	HCI	DI	HCN	DN	HSCI	DU	HCI	DI	HCN	DN	HSCI	DU	HCI	DI	HCN	DN	HSCI	DU	HCI	DI	HCN	DN	HSCI	DU	HCI	DI	HCN	DN	HSCI	DU							
CENTRAL																																					
Kiambu ..	1																																				
Kirinyaga ..		2																																			
Muranga ..																																					
Nyandarua ..																																					
Nyeri ..																																					
COAST																																					
Kilifi ..																																					
Kwale ..																																					
Lamu ..																																					
Taita/Taveta ..																																					
Tana River ..																																					
EASTERN																																					
Embu ..																																					
Isiolo ..																																					
Kitui ..																																					
Machakos ..																																					
Marsabit ..																																					
Meru ..																																					
N. EASTERN																																					
Garissa ..																																					
Mandera ..																																					
Wajir ..																																					
NVANZA																																					
Kisii ..																																					
Kisumu ..																																					
Siaya ..																																					
S. Nyanza ..																																					

HCI—Health Centre Improvement.

DN—Dispensary New.

DI—Dispensary Improvement.

HSCI—Health Sub-Centre Improvement.

HCN—Health Centre New.

DU—Dispensary Upgrading.

	1978/79						1979/80						1980/81						1981/82						1982/83						Total					
	HCI	DI	HCN	DN	HSCI	DU	HCI	DI	HCN	DN	HSCI	DU	HCI	DI	HCN	DN	HSCI	DU	HCI	DI	HCN	DN	HSCI	DU	HCI	DI	HCN	DN	HSCI	DU	HCI	DI	HCN	DN	HSCI	DU
<b>RIFT VALLEY</b>																																				
Baringo ..																																				
Elgeyo M. ..																																				
Kajiado ..																																				
Kericho ..																																				
Laikipia ..																																				
Nakuru ..																																				
Nandi ..																																				
Narok ..																																				
Samburu ..																																				
Trans Nzoia ..																																				
Turkana ..																																				
Uasin Gishu ..																																				
W. Pokot ..																																				
<b>WESTERN</b>																																				
Bungoma ..																																				
Busia ..																																				
Kakamega ..																																				
<b>TOTAL ..</b>	8	10	1	3	1	2	15	16	1	5	2	4	20	26	1	10	1	8	23	26	1	11	1	9	25	32	1	11	1	9	91	110	5	40	6	32

HCI—Health Centre Improvement.  
 DN—Dispensary New.

DI—Dispensary Improvement.  
 HSCI—Health Sub-Centre Improvement.

HCN—Health Centre New.  
 DU—Dispensary Upgrading.

## Health Training

The current annual output of 90 doctors from the University of Nairobi will be increased to 100 doctors per annum. Provincial hospitals at Nyeri, Mombasa and Kisumu will be improved to facilitate clinical teaching of doctors.

The School of Dental Surgery will be improved and a programme for training Dental Therapists (to undertake defined duties where Dental Surgeons are not available) will be inaugurated during the plan period.

In view of the long waiting periods by patients at out-patient pharmacies, more pharmacists and pharmaceutical technologists will be trained during the Plan.

Output of clinical officers will be increased through the construction of a new school at Nyeri while that of registered nurses will be increased through the establishment of new schools at Kisumu and Mombasa.

New training facilities for community/enrolled nurses will be started at Voi, Busia, Garissa, Marsabit, Kajiado and Embu hospitals.

A number of existing training schools will be expanded and improved to cater for the training of other cadres of staff including public health officers, laboratory technologists/technicians, radiographers, physiotherapists, nutritionists, etc.

### HEALTH TRAINING PROGRAMME, EXPENDITURE AND FINANCE, 1979-83

K£'000

		1978/79	1979/80	1980/81	1981/82	1982/83	Total
Recurrent Expenditure ..		3,061·0	3,036·0	3,197·0	3,387·0	3,593·0	16,274·0
Development Expenditure ..		1,328·0	1,160·0	1,599·0	1,980·0	2,149·0	8,216·0
<b>Total Expenditure ..</b>		<b>4,389·0</b>	<b>4,196·0</b>	<b>4,796·0</b>	<b>5,367·0</b>	<b>5,742·0</b>	<b>24,490·0</b>
Estimated Foreign Aid ..		788·8	696·0	959·4	1,188·0	1,289·4	4,921·6
Local Finance .. ..		3,600·2	3,500·0	3,836·6	4,179·0	4,452·6	19,568·4

## PROJECTS IN THE HEALTH TRAINING PROGRAMME

K£'000

Project Name and Number	1978/79	1979/80	1980/81	1981/82	1982/83	Total
11434011040000						
Medical Training Centre						
<i>Total Expenditure</i> .. ..	69.0	54.0	—	—	—	123.0
<i>Import Content</i> .. ..	20.0	15.7	—	—	—	35.7
11434111040000						
National Family Welfare Centre						
<i>Total Expenditure</i> .. ..	30.0	—	—	—	—	30.0
<i>Import Content</i> .. ..	8.7	—	—	—	—	8.7
11434223040000						
CNTS—Murang'a						
<i>Total Expenditure</i> .. ..	30.0	30.0	—	—	—	60.0
<i>Import Content</i> .. ..	8.7	8.7	—	—	—	17.4
11434225040000						
CNTS—Nyeri						
<i>Total Expenditure</i> .. ..	45.0	20.0	—	—	—	65.0
<i>Import Content</i> .. ..	13.1	5.8	—	—	—	18.9
11434234040000						
CNTS—Mombasa						
<i>Total Expenditure</i> .. ..	230.0	95.5	—	—	—	325.5
<i>Import Content</i> .. ..	66.7	27.4	—	—	—	94.1
11434235240000						
CNTS—Voi						
<i>Total Expenditure</i> .. ..	—	100.0	150.0	47.0	—	297.0
<i>Import Content</i> .. ..	—	29.0	43.5	13.6	—	86.1
11434241040000						
CNTS—Embu						
<i>Total Expenditure</i> .. ..	—	—	100.0	100.0	100.0	300.0
<i>Import Content</i> .. ..	—	—	29.0	29.0	29.0	87.0
11434244040000						
CNTS—Machakos						
<i>Total Expenditure</i> .. ..	66.0	65.0	—	—	—	131.0
<i>Import Content</i> .. ..	19.4	18.8	—	—	—	38.0
11434245040000						
CNTS—Marsabit						
<i>Total Expenditure</i> .. ..	—	—	100.0	100.0	100.0	300.0
<i>Import Content</i> .. ..	—	—	29.0	29.0	29.0	87.0
11434246040000						
CNTS—Meru						
<i>Total Expenditure</i> .. ..	32.0	69.0	—	—	—	101.0
<i>Import Content</i> .. ..	9.3	20.0	—	—	—	29.3
11434250040000						
CNTS—Garissa						
<i>Total Expenditure</i> .. ..	42.0	—	—	100.0	100.0	242.0
<i>Import Content</i> .. ..	21.2	—	—	29.0	29.0	70.2
11434261040000						
CNTS—Kisii						
<i>Total Expenditure</i> .. ..	—	55.0	—	—	—	55.0
<i>Import Content</i> .. ..	—	15.9	—	—	—	15.9
11434262040000						
CNTS—Kisumu						
<i>Total Expenditure</i> .. ..	62.0	36.0	—	—	—	98.0
<i>Import Content</i> .. ..	17.9	10.4	—	—	—	28.4

## PROJECTS IN THE HEALTH TRAINING PROJECT—(Contd.)

K£'000

Project Name and Number	1978/79	1979/80	1980/81	1981/82	1982/83	Total
11434264040000						
CNTS—Homa Bay						
<i>Total Expenditure</i> .. ..	67.0	—	—	—	—	67.0
<i>Import Content</i> .. ..	19.4	—	—	—	—	19.4
11434271040000						
CNTS—Kajiado						
<i>Total Expenditure</i> .. ..	—	—	100.0	100.0	100.0	300.0
<i>Import Content</i> .. ..	—	—	29.0	29.0	29.0	87.0
11434274040000						
CNTS—Nakuru						
<i>Total Expenditure</i> .. ..	50.0	55.0	—	—	—	105.0
<i>Import Content</i> .. ..	14.5	15.9	—	—	—	30.4
11434277040000						
CNTS—Eldoret						
<i>Total Expenditure</i> .. ..	30.0	32.0	—	—	—	62.0
<i>Import Content</i> .. ..	8.7	9.3	—	—	—	18.0
11434292040000						
CNTS—Busia						
<i>Total Expenditure</i> .. ..	—	—	100.0	100.0	100.0	300.0
<i>Import Content</i> .. ..	—	—	29.0	29.0	29.0	87.0
11434293040000						
CNTS—Kakamega						
<i>Total Expenditure</i> .. ..	76.0	30.0	—	—	—	106.0
<i>Import Content</i> .. ..	22.0	8.7	—	—	—	30.7
11434300040000						
Rural Health Training Centres						
<i>Total Expenditure</i> .. ..	69.0	—	—	—	—	69.0
<i>Import Content</i> .. ..	20.0	—	—	—	—	20.0
11434700040000						
Rural Health Demonstration Centres						
<i>Total Expenditure</i> .. ..	232.0	319.0	689.0	683.0	684.0	2,607.0
<i>Import Content</i> .. ..	67.3	92.5	199.8	198.0	198.3	755.9
11434411040000						
Interns Accommodation (Nairobi)						
<i>Total Expenditure</i> .. ..	30.0	—	—	—	—	30.0
<i>Import Content</i> .. ..	8.7	—	—	—	—	8.7
11434411040000						
Mathari Nurses Hostel						
<i>Total Expenditure</i> .. ..	—	—	100.0	100.0	65.0	265.0
<i>Import Content</i> .. ..	—	—	29.0	29.0	18.9	76.9
11434425040000						
Interns Accommodation (Nyeri)						
<i>Total Expenditure</i> .. ..	40.0	20.0	—	—	—	60.0
<i>Import Content</i> .. ..	11.6	5.8	—	—	—	17.4
11434462040000						
Interns Accommodation (Kisumu)						
<i>Total Expenditure</i> .. ..	40.0	15.0	—	—	—	55.0
<i>Import Content</i> .. ..	11.6	4.4	—	—	—	16.0
11434511040000						
Other Training Institutions						
<i>Total Expenditure</i> .. ..	88.0	165.0	260.0	650.0	900.0	2,063.0
<i>Import Content</i> .. ..	25.0	47.8	75.4	188.5	261.0	598.2

## Preventive Medicine and Promotive Health Programme

This programme is composed of six sub-programmes:—

1. Communicable and Vector-borne Disease Control.
2. Environmental Health.
3. Family Planning/Maternal Child Health.
4. National Health Laboratories.
5. Health Education.
6. Nutrition.

### PREVENTIVE MEDICINE AND PROMOTIVE HEALTH PROGRAMME, EXPENDITURE AND FINANCE 1979-83

K£'000

	1978/79	1979/80	1980/81	1981/82	1982/83	Total
Development Expenditure ..	232·0	937·0	1,718·0	1,878·0	2,254·0	7,019·0
Recurrent Expenditure ..	1,835·0	2,015·0	2,309·0	2,574·0	2,862·0	11,595·0
Total Expenditure ..	2,067·0	2,952·0	4,027·0	4,452·0	5,116·0	18,614·0
Estimated Foreign Aid ..	52·0	368·0	750·0	750·0	750·0	2,670·0
Local Finance .. ..	2,015·0	2,584·0	3,277·0	3,702·0	4,366·0	15,944·0

#### 1. *Communicable and Vector-borne Diseases Control Sub-programme*

A network of fully equipped Communicable and Vector-borne Control Units at all provincial centres and Border Post Control Units at selected strategic border posts will be set up to carry out epidemiological surveillance and control. The Plan provides K£4,284,000 in capital funds for these activities. On the recurrent side, an Expanded Immunization Programme aimed at immunizing at least 80 per cent of all children aged 0 to 4 years will be undertaken during the Plan.

#### COMMUNICABLE AND VECTOR-BORNE DISEASES CONTROL, EXPENDITURE AND FINANCE

K£'000

	1978/79	1979/80	1980/81	1981/82	1982/83	Total
Development Expenditure ..	52·0	353·0	1,116·0	1,286·0	1,477·0	4,284·0
Recurrent Expenditure ..	680·0	791·2	872·7	953·5	1,230·3	4,527·7
TOTAL .. ..	732·0	1,144·2	1,988·7	2,239·5	2,707·3	8,811·7

## 2. Environmental Health

The main focus of this sub-programme is to control and prevent diseases through a variety of projects in water and sanitation. During this plan period, some 270 new small scale water supply systems will be provided in collaboration with the Ministry of Water Development. Another 90 projects will be improved. Through self-help efforts some 2,950 pit latrines will be constructed in selected rural areas to improve waste disposal methods. In addition grants will be made to municipalities to help them control vectors.

### PROJECTS IN THE ENVIRONMENTAL HEALTH PROGRAMME

K£'000

Project Group	1978/79	1979/80	1980/81	1981/82	1982/83	Total
11232600022000						
Water Supplies .. .. .	75.0	110.0	137.5	175.0	200.0	697.5
No. of Projects .. .. .	(30)	(40)	(50)	(70)	(80)	(270)
11232600022100						
Water Quality Improvement ..	6.0	13.2	26.4	33.0	39.6	118.2
No. of Projects .. .. .	(5)	(10)	(20)	(25)	(30)	(90)
11232600022200						
Waste Disposal .. .. .	9.0	18.8	29.7	39.6	49.5	146.6
No. of Projects .. .. .	(5)	(10)	(15)	(20)	(25)	(75)
11232600022300						
Latrines .. .. .	8.0	11.0	12.2	15.4	16.5	64.1
No. of Projects .. .. .	(400)	(500)	(600)	(700)	(750)	(2,950)
11232600022400						
Transport and Equipment ..	82.0	129.0	75.2	19.0	—	305.2
11232600022500						
Grants to Municipalities ..	—	50.0	50.0	50.0	26.4	176.4
Total Development ..	180.0	332.0	332.0	332.0	332.0	1,508.0
Recurrent Expenditure ..	271.7	316.2	344.8	377.6	475.6	1,785.9
Total .. .. .	451.7	648.2	676.8	709.6	807.6	3,293.9

## 3. Family Planning Sub-programme

The programme targets will be achieved through the construction of six additional community nurses training schools, two schools for registered nurses, one school for clinical officers and 22 rural health demonstration centres for training of various cadres of medical staff. Information and education activities will be strengthened through recruitment of an additional 1,175 Field Educators and also through supporting the Family Planning Association of Kenya. An additional 315 fixed service delivery points will be established during the plan period. Capital expenditure for this sub-programme has been budgeted under curative health, training and rural health. Only the cost of family planning equipment has been shown below.

K£'000

Project Name and Number	1978/79	1979/80	1980/81	1981/82	1982/83	Total
11232800022000						
Equipment						
Total Expenditure .. .. .	—	53.0	70.0	80.0	90.0	293.0
Import Content .. .. .	—	53.0	70.0	80.0	90.0	293.0



#### 4. National Health Laboratories Sub-programme

The central public health laboratories situated in Nairobi are organized to cater for public health laboratory services for the whole country. During the plan period, the laboratories will be upgraded and extended by providing additional laboratory space, animal housing space, blood space, chemico-biological production space, storage facilities, maintenance facilities, staff houses and a hostel for visiting scientists.

K£'000

Project Name and Number	1978/79	1979/80	1980/81	1981/82	1982/83	Total
11233100040000 National Health Laboratories						
<i>Total Expenditure</i> .. ..	—	50.0	40.0	10.0	175.0	275.0
<i>Import Content</i> .. ..	—	14.5	11.6	2.9	50.7	79.7

#### 5. Health Education Sub-programme

The Plan involves training of additional health education officers to attain the target of at least one health education officer per district by 1983; making effective use of mass media in spreading health information and designing and distribution of audio-visual education materials.

K£'000

Project Name and Number	1978/79	1979/80	1980/81	1981/82	1982/83	Total
11233000022000 Production Equipment						
<i>Total Expenditure</i> .. ..	—	100.0	110.0	120.0	130.0	460.0
<i>Import Content</i> .. ..	—	100.0	110.0	120.0	130.0	460.0

#### 6. Nutrition Sub-programme

Although nutrition does not involve any capital expenditure, the planned expansion of rural health facilities will greatly improve nutritional services in the field. An additional 300 Nutrition Field Workers and 58 additional Nutritionists will be deployed to carry out surveillance activities, rehabilitation and nutrition education activities aimed at preventing malnutrition. The target population will include children under five years of age, and pregnant and lactating mothers. In addition, nutrition education will be incorporated into the curricula of all health workers and also introduced at all levels of schooling in order to reach young people when nutritional habits are being formed. Supplementary feeding programmes will be promoted and research and studies in food fortification undertaken. A number of Nutrition Rehabilitation Units will be established in various parts of the country.

K£'000

Project Name and Number	1978/79	1979/80	1980/81	1981/82	1982/83	Total
11232700040000						
Rehabilitation Units						
<i>Total Expenditure</i> .. ..	—	49.0	50.0	50.0	50.0	199.0
<i>Import Content</i> .. ..	—	2.4	2.5	2.5	2.5	9.9

### Medical Stores Programme

Decentralization of the Central Medical Stores which started during the last Plan will be continued during this plan period. New sub-depots will be completed at Nyeri, Mombasa, Kisumu and Nakuru while stores will be constructed at Eldoret and Garissa. In addition, the present Central Medical Stores will be moved to a new site and a drug control laboratory will be set up to test pharmaceutical substances to establish their quality, quantity, potency and purity. An equipment maintenance workshop will also be established during the plan period.

#### PROJECTS IN THE MEDICAL STORES PROGRAMME

K£'000

Project Name and Number	1978/79	1979/80	1980/81	1981/82	1982/83	Total
11635511040000						
Central Medical Stores						
<i>Total Expenditure</i> .. ..	—	100.0	150.0	150.0	100.0	500.0
<i>Import Content</i> .. ..	—	29.0	43.5	43.5	29.0	145.0
11635625040000						
Nyeri Sub-Depot						
<i>Total Expenditure</i> .. ..	—	—	80.0	—	—	80.0
<i>Import Content</i> .. ..	—	—	23.2	—	—	23.2
11635634040000						
Mombasa Sub-Depot						
<i>Total Expenditure</i> .. ..	48.0	—	—	—	—	48.0
<i>Import Content</i> .. ..	13.9	—	—	—	—	13.9
11635662040000						
Kisumu Sub-Depot						
<i>Total Expenditure</i> .. ..	26.0	—	—	—	—	26.0
<i>Import Content</i> .. ..	7.5	—	—	—	—	7.5
11635672040000						
Nakuru Sub-Depot						
<i>Total Expenditure</i> .. ..	11.0	49.0	—	—	—	60.0
<i>Import Content</i> .. ..	3.2	14.2	—	—	—	17.4
11635677040000						
Eldoret Sub-Depot						
<i>Total Expenditure</i> .. ..	—	—	—	40.0	—	40.0
<i>Import Content</i> .. ..	—	—	—	11.6	—	11.6
11635650040000						
Garissa Sub-Depot						
<i>Total Expenditure</i> .. ..	—	—	—	40.0	—	40.0
<i>Import Content</i> .. ..	—	—	—	11.6	—	11.6

(Contd.)

PROJECTS IN THE MEDICAL STORES PROGRAMME—(Contd.)

K£'000

Project Name and Number	1978/79	1979/80	1980/81	1981/82	1982/83	Total
11233200040000						
Drug Control Laboratory						
<i>Total Expenditure</i> .. ..	30·0	70·0	70·0	50·0	10·0	230·0
<i>Import Content</i> .. ..	18·0	42·0	42·0	30·0	6·0	138·0
11635611140000						
Workshop						
<i>Total Expenditure</i> .. ..	—	—	—	—	30·0	30·0
<i>Import Content</i> .. ..	—	—	—	—	22·5	22·5

**Grants-in-Aid**

Under this programme, the Government will continue its financial support to church health facilities to enable them provide proper health care. Consideration will also be given to the provision of free out-patient medical care in some selected Mission hospitals. Minimum capital funds will also be provided to improve existing Mission hospitals. The following financial provisions are made for the plan period.

K£'000

	1978/79	1979/80	1980/81	1981/82	1982/83	Total
Recurrent Grants .. ..	1,072·0	1,152·0	1,268·0	1,373·0	1,488·0	6,353·0
Capital Grants .. ..	100·0	200·0	250·0	250·0	250·0	1,050·0
<b>Total</b> .. ..	<b>1,172·0</b>	<b>1,352·0</b>	<b>1,518·0</b>	<b>1,623·0</b>	<b>1,738·0</b>	<b>7,403·0</b>

**Medical Research**

The research previously undertaken by the defunct East African Community will now be a Government responsibility. A Medical Research Institute will be formed to organize, develop and co-ordinate all medical research activities and in particular biomedical and health services research. To enable the Institute undertake this task, research stations at Nairobi, Alupe, Kisumu, Mombasa, Lodwar and Machakos will be constructed, extended, upgraded, equipped and staffed.

MEDICAL RESEARCH PROGRAMME, EXPENDITURE AND FINANCE, 1979-83

K£'000

	1978/79	1979/80	1980/81	1981/82	1982/83	Total
Development Expenditure ..	235·0	262·0	330·0	515·0	655·0	1,997·0
Recurrent Expenditure ..	756·0	783·0	829·0	872·0	920·0	4,160·0
<b>Total</b> .. ..	<b>991·0</b>	<b>1,045·0</b>	<b>1,159·0</b>	<b>1,387·0</b>	<b>1,575·0</b>	<b>6,157·0</b>

PROJECTS IN THE MEDICAL RESEARCH PROGRAMME

K£'000

Project Name and Number	1978/79	1979/80	1980/81	1981/82	1982/83	Total
11735800040000						
Headquarters KIMR						
<i>Total Expenditure</i> .. ..	—	—	—	500·0	500·0	1,000·0
<i>Import Content</i> .. ..	—	—	—	145·0	145·0	290·0
11735811040000						
Tuberculosis Investigation Centres						
<i>Total Expenditure</i> .. ..	50·0	—	—	—	—	50·0
<i>Import Content</i> .. ..	14·5	—	—	—	—	14·5
11735811140000						
Virus Research Centre						
<i>Total Expenditure</i> .. ..	15·0	20·0	100·0	—	100·0	235·0
<i>Import Content</i> .. ..	4·4	5·8	29·0	—	29·0	68·2
11735811240000						
Trypanosomias Research Centre						
<i>Total Expenditure</i> .. ..	90·0	30·0	30·0	—	—	150·0
<i>Import Content</i> .. ..	26·1	8·7	8·7	—	—	43·5
11735862040000						
Malaria and VBD Research Centre						
<i>Total Expenditure</i> .. ..	45·0	185·0	200·0	15·0	55·0	500·0
<i>Import Content</i> .. ..	13·0	53·6	58·0	4·4	16·0	145·0
11735891340000						
Leprosy Research Centres						
<i>Total Expenditure</i> .. ..	35·0	27·0	—	—	—	62·0
<i>Import Content</i> .. ..	10·1	7·8	—	—	—	17·9

National Hospital Insurance Fund

The recurrent expenditure requirements for this programme are budgeted under the Ministry of Health. During this plan period gross recurrent expenditure is projected to grow as follows:—

K£'000

	1978/79	1979/80	1980/81	1981/82	1982/83	Total
N.H.I.F. ... ..	176·0	182·0	191·0	199·0	207·0	955·0



## 12. MINISTRY OF LOCAL GOVERNMENT

The Ministry of Local Government is responsible for the organization, control and supervision of Local Authorities. Finance for Development Programmes is made available through the Local Government Loans Fund.

MINISTRY OF LOCAL GOVERNMENT, TOTAL EXPENDITURE AND FINANCE, 1979—1983

K£'000

	1978/79	1979/80	1980/81	1981/82	1982/83	Total
Recurrent Expenditure						
General Administration ..	627	664	704	746	791	3,532
Contributions in Lieu of Rates	1,350	1,431	1,517	1,608	1,704	7,610
Grants to Local Authorities ..	8,724	9,238	9,803	10,391	11,015	49,171
Total Recurrent Expenditure	10,701	11,333	12,024	12,745	13,510	60,313
Development Expenditure						
Development Schemes ..	8,567	14,794	15,044	14,324	13,264	65,993
Total Expenditure ..	19,268	26,127	27,068	27,069	26,774	126,306
Estimated Foreign Aid ..	5,800	8,914	8,475	7,899	7,394	38,482
Local Finance .. .. .	13,468	17,213	18,593	19,170	19,380	87,824

### Local Government Development Programme

The Development Expenditure for Local Authorities derives mainly from the Treasury administered Local Government Loans Fund. Nairobi City Council, through Treasury approval is authorized to acquire finance from local as well as foreign sources. Since the population served is a crucial determining factor of the services required, Nairobi take up 67 per cent of the Total Development Budget for the plan period while Mombasa and Kisumu takes up 10 per cent and 8.8 per cent respectively.

For all services considered together, water projects take up 26 per cent of total Development Budget, sewerage projects take up 42 per cent, housing projects take up 23 per cent while other services take up some 9 per cent of the Development Budget for the plan period.

The table shows the breakdown of expenditure by individual projects:—

PROJECTS IN LOCAL GOVERNMENT LOANS AND PROGRAMME

*Expenditure in K£'000*

Project Name and Number	1978/79	1979/80	1980/81	1981/82	1982/83	Total
1237501050200						
Kisumu Sewerage .. ..	40	300	300	400	300	1,340
12375010503000						
Nakuru Sewerage .. ..	—	—	50	100	100	250
1237501050400						
Mombasa Sewerage .. ..	300	600	800	900	900	3,500
12375010505000						
Eldoret Sewerage .. ..	100	300	300	200	200	1,100
1237501059000						
Nyeri Sewerage .. ..	50	200	250	300	300	1,100
12375010510000						
Kitale Sewerage .. ..	200	250	200	200	100	950
12375010521000						
Kisumu .. ..	300	500	400	400	400	2,000
12375010524000						
Eldoret Water .. ..	300	500	600	400	300	2,100
12375010525000						
Kitale Water .. ..	200	300	300	200	200	1,200
12375010527000						
Thika Water .. ..	200	300	300	400	400	1,600
12375010528000						
Nairobi C.C. Water .. ..	2,500	3,500	3,500	3,500	3,500	16,500
12375010500000						
Nakuru Water .. ..	—	300	500	500	500	1,800
12375020501000						
Kisii Sewerage .. ..	—	200	200	200	150	750
12375020503000						
Machakos Sewerage .. ..	50	100	100	50	—	300
12375020504000						
Murang'a Sewerage .. ..	50	100	150	200	150	650
12375020505000						
Bungoma Sewerage .. ..	80	200	200	200	50	730
12375020506000						
Malindi Sewerage .. ..	—	150	150	150	100	550
12375020507000						
Nyahururu Sewerage .. ..	150	200	200	100	50	700
12375020508000						
Kiambu Sewerage .. ..	10	—	—	—	—	10
12375020509000						
Nanyuki Sewerage .. ..	—	100	300	300	300	1,000
12375030540000						
Mombasa Roads .. ..	100	200	300	300	300	1,200
12375030541000						
Webuye T.C. Roads .. ..	15	50	50	50	40	205
12375030542000						
Other Municipal and Town Councils Roads .. ..	200	300	400	400	400	1,700
12375040503000						
Kilifi Sewerage .. ..	50	100	100	200	100	550
12375040504000						
Homa Bay Sewerage .. ..	50	200	40	—	—	290
12375040511000						
Busia Sewerage .. ..	150	150	120	50	50	520

PROJECTS IN LOCAL GOVERNMENT LOANS AND PROGRAMME—(Contd)

Expenditure in K£'000

Project Name and Number	1978/79	1979/80	1980/81	1981/82	1982/83	Total
12375040512000						
Kapsabet Sewerage .. ..	60	100	100	200	100	560
12375040513000						
Athi River Sewerage .. ..	100	100	150	100	—	450
12375040516000						
Isiolo Sewerage .. ..	300	100	30	—	—	430
12375040000000						
Kericho Sewerage .. ..	—	100	150	200	200	650
12375040521000						
Athi River Water .. ..	80	100	150	150	200	680
1237504052200						
Nanyuki Water .. ..	60	200	200	200	100	760
12375040523000						
Nyahururu Water .. ..	60	250	250	200	200	960
12375056010000						
(Nairobi) Dandora C. Dev. ..	680	820	330	100	—	1,930
12375050602000						
(Nairobi) Slum Clearance ..	300	500	200	—	—	1,000
12375050603000						
(Nairobi) Hawkers/Kiosks ..	75	100	100	100	—	375
12375050607000						
(Nairobi) Fire Fighting Equip.	—	—	200	—	200	400
123705060800						
(Nairobi) Second Urban Projects	700	1,300	1,300	1,300	1,300	5,900
1237506060500						
(Kisumu) 2nd Urban Project ..	270	860	860	860	860	3,710
12375060606000						
(Mombasa) 2nd Urban Project	300	764	764	764	764	3,356
12375060609000						
(Mombasa) Land Acquisition	300	—	—	—	—	300
12375060000000						
(Other Local Authorities) Land Acquisition .. ..	—	100	100	100	100	400
12375040000001						
Other County and Urban Councils Sewerages .. ..	67	200	200	200	200	867
1237506050002						
(Kisumu) Land Acquisition ..	90	—	—	—	—	90





### 13. MINISTRY OF WORKS

This Ministry is responsible for the design, construction and maintenance of all Government buildings, classified roads, the National Construction Corporation and the maintenance of Government vehicles. The Ministry of Works also assists African contractors by providing them with training facilities. The Ministry has three main technical divisions:—

- Roads Branch.
- Building and Works.
- Other Services.

#### Roads Branch Programme

During the plan period, Government will give special attention to the provision of underdeveloped links and bridges and the improvement of existing classified as well as rural access roads throughout the country.

The Roads Branch of the Ministry of Works is responsible for the design, construction and maintenance of all classified roads. During the 1979-83 Development Plan the following projects will be undertaken within the following main road classifications:—

- (a) International Trunk Roads—are roads which link centres of international importance and cross international boundaries, or terminate at international ports.
- (b) National Trunk Roads—are roads linking nationally important centres.
- (c) Primary Roads—are roads linking provincially important centres to each other, as well as linking these centres to higher classified roads.
- (d) Secondary Roads—provide linkages to local centres and to main roads.
- (e) Minor Roads—are roadway segments linking minor centres—these are generally unclassified. They constitute integral components of development programmes. Rural Access Roads are part of minor roads intended to link markets, farms and health centres within the rural areas in selected districts in Kenya. Other roads supporting development activities programmes such as Research, Feasibility Studies, Traffic Investigation, are also included in this category.

MINISTRY OF WORKS, TOTAL EXPENDITURE AND FINANCE, 1978/79-1982/83

K£'000

	1978/79	1979/80	1980/81	1981/82	1982/83	Total
<b>Recurrent Expenditure</b>						
M.O.W. Headquarters	2,575.0	2,804.0	3,054.0	3,236.0	3,624.0	12,808.0
Roads Development ..	9,590.0	12,197.0	13,309.0	14,339.0	15,498.0	55,344.0
Buildings and Works	5,677.0	6,186.0	6,743.0	7,351.0	8,015.0	28,294.0
Other Services ..	10,658.0	12,632.9	13,764.0	14,892.0	16,115.0	57,373.0
<b>Total Recurrent Expenditure ..</b>	<b>28,500.0</b>	<b>33,819.0</b>	<b>36,870.0</b>	<b>39,908.0</b>	<b>43,251.0</b>	<b>182,348.0</b>
<b>Development Expenditure</b>						
✓ Roads Branch ..	33,715.0	44,687.0	43,145.0	40,030.0	41,005.0	202,582.0
Buildings and Works	3,614.0	3,255.0	3,898.0	4,272.0	4,308.0	19,347.0
Other Services ..	1,401.0	745.0	295.0	125.0	92.0	2,658.0
<b>MOW Total Development Expenditure</b>	<b>38,730.0</b>	<b>48,687.0</b>	<b>47,338.0</b>	<b>44,427.0</b>	<b>45,405.0</b>	<b>224,587.0</b>
<b>MOW Total Expenditure ..</b>	<b>67,230.0</b>	<b>82,506.0</b>	<b>84,208.0</b>	<b>84,335.0</b>	<b>88,656.0</b>	<b>406,935.0</b>
Estimated Foreign Aid	25,753.0	41,412.0	46,870.0	42,550.0	29,805.0	186,390.0
Local Finance .. ..	41,477.0	41,094.0	37,338.0	41,785.0	58,851.0	220,545.0

PROJECTS IN ROAD DEVELOPMENT SUPPORTING ACTIVITIES PROGRAMME

K£'000

Project Name and Number	1978/79	1979/80	1980/81	1981/82	1982/83	Total
13138600015000						
Research and Lab. Materials ..	90.0	200.0	200.0	200.0	200.0	890.0
131386000181/200						
Traffic Survey and Feasibility Studies, etc. .. .. .	180.0	180.0	185.0	190.0	190.0	925.0
13138600018300						
Consultant design .. ..	750.0	2,225.0	2,025.0	2,025.0	1,900.0	8,925.0
13138600040000						
Road Markings and Signs ..	175.0	300.0	300.0	400.0	400.0	1,575.0
13139800041000						
Land Acquisition .. ..	200.0	250.0	300.0	350.0	350.0	1,450.0

PROJECTS IN INTER-TRUNK ROADS PROGRAMME

K£'000

Project Name and Number	1978/79	1979/80	1980/81	1981/82	1982/83	Total
✓ 13139060045900						
✓ Ahero—Kisumu (A1) .. ..	—	—	—	1,200·0	—	1,200·0
13139060046000						
✓ Ahero—Kisii (A1) .. ..	—	—	—	—	1,000·0	1,000·0
13139060046100						
✓ Kisumu—Kiboswa (A1) .. ..	—	—	—	—	240·0	240·0
13139070040500						
✓ Kitale—Kapenguria (A1) .. ..	800·0	1,000·0	450·0	—	—	2,250·0
13139070040700						
✓ Kapenguria—Marich Pass (A1)	1,000·0	700·0	700·0	350·0	—	2,750·0
13139070040800						
✓ Marich Pass—Lodwar (A1) .. ..	300·0	650·0	650·0	600·0	—	2,200·0
13139070040900						
✓ Lodwar—Sudan Border (A1)	—	500·0	1,200·0	1,400·0	1,750·0	4,850·0
13139090045600						
✓ Broderick Falls—Kiminini .. ..	400·0	—	—	—	—	400·0
13139010040300						
✓ Nairobi—Thika (A2) .. ..	—	—	500·0	1,000·0	900·0	2,400·0
13139020040400						
✓ Thika Makutano (A2) .. ..	—	—	—	—	500·0	500·0
13139020040100						
✓ Makutano—Sagana (A2) .. ..	300·0	—	—	—	—	300·0
13139020040200						
✓ Sagana—Marua (A2) .. ..	—	—	970·0	590·0	—	1,560·0
131390050040300						
✓ Isiolo—Moyale (A2) .. ..	—	—	—	—	2,000·0	2,000·0
131390400408000						
✓ Thika—Kangondi (A3).. ..	400·0	485·0	525·0	495·0	—	1,905·0
13139040040500						
✓ Kagondi—Garissa (A3) .. ..	350·0	485·0	525·0	600·0	695·0	2,655·0
13139050040200						
✓ Garissa Bridge (A3) .. ..	400·0	50·0	—	—	—	450·0
13139010040500						
✓ Kabete—Limuru T. off. .. ..	—	—	—	500·0	1,000·0	1,500·0
13139010040400						
✓ Limuru T. off—Uplands (A104)	—	—	1,300·0	200·0	—	1,500·0
13139020040700						
✓ Uplands—Longonot R T. off	—	—	—	—	720·0	720·0
(A104) .. ..						
13139070040600						
✓ Longonot T. off—Naivasha	1,100·0	1,600·0	900·0	—	—	3,600·0
(A104) .. ..						
13139070040700						
✓ Naivasha—Lanet (A104) .. ..	—	2,000·0	2,000·0	2,000·0	1,500·0	7,500·0
13139070040800						
✓ Nakuru—Timborua (A104) .. ..	—	400·0	2,000·0	2,000·0	700·0	5,100·0
13139070040900						
✓ Timborua—Burnt Forest (A104)	1,145·0	—	—	—	—	1,145·0
13139079941000						
✓ Burnt Forest—Eldoret (A104)..	—	420·0	—	—	500·0	920·0
13139090040200						
✓ Turbo—Webuye (A104) .. ..	—	—	1,220·0	460·0	—	1,680·0
13139090040300						
✓ Webuye—Malaba (A104) .. ..	—	—	—	—	500·0	500·0
13139010040100						
✓ London Rd.—Nairobi (A104)	300·0	50·0	—	—	—	350·0

## PROJECTS IN INTER-TRUNK ROADS PROGRAMME—(Contd.)

K£'000

Project Name and Number	1978/79	1979/80	1980/81	1981/82	1982/83	Total
13139010040200						
✓ Kangemi—Kabete (A104) ..	90.0	—	—	—	—	90.0
13139030040700						
✓ Mariakani—Taru (A109) ..	—	360.0	—	—	—	360.0
13139030040500						
✓ Mackinnon Rd.—Buchuma Ga.e (A109) .. .. .	—	—	220.0	—	—	220.0
13139030040600						
✓ Buchuma Gate—Mtito Andei (A109) .. .. .	—	—	—	1,000.0	2,000.0	3,000.0
13139030040800						
✓ Mtito Andei—Sultan Hamud (A109) .. .. .	—	—	—	—	1,100.0	1,100.0
13139030040400						
✓ Sultan Hamud—Ulu (A109) ..	350.0	—	—	—	—	350.0
13139040041100						
✓ Ulu—Machakos T. off (A109)	—	—	—	700.0	700.0	1,400.0
13139030000000						
✓ Likoni Ferry Terminal (A14) ..	—	—	—	500.0	—	500.0

## PROJECTS IN NATIONAL TRUNK ROADS PROGRAMME

K£'000

Project Name and Number	1978/79	1979/80	1980/81	1981/82	1982/83	Total
131390700412000						
✓ Mau Summit—Kericho (B1) ..	—	800.0	800.0	—	—	1,600.0
13139000040200						
✓ Senetiver—Awasi (B1) ..	—	—	720.0	—	—	720.0
13139000040300						
✓ Awasi—Ahero (B1) .. ..	—	480.0	—	—	—	480.0
13139000040400						
✓ Kisumu—Yala (B1) .. ..	—	—	—	—	300.0	300.0
13139070040700						
✓ Narok—Amala (B3) .. ..	—	—	200.0	250.0	—	450.0
131390700						
✓ Kericho—Senetwet (B1) ..	—	—	420.0	410.0	—	830.0
13139000040500						
✓ Amala—Sotik (B3) .. ..	—	—	—	130.0	300.0	430.0
13139070040300						
✓ Kijabe—Narok (B3) .. ..	150.0	—	—	—	—	150.0
13139070040600						
✓ Machege—Marigat—Loruk (B4)	550.0	1,000.0	1,000.0	1,000.0	950.0	4,500.0
13139020040500						
✓ B. Garner—Nyahururu (B5) ..	—	—	1,000.0	1,400.0	1,200.0	3,600.0
13139020040600						
✓ Nyeri—Nyahururu (B5)	1,700.0	—	—	—	—	1,700.0
13139040040600						
✓ Thuchi—Nkubu (B6) .. ..	100.0	1,900.0	2,500.0	2,500.0	—	7,000.0
13139040041000						
✓ Embu—Kangondi (B7) ..	100.0	—	150.0	170.0	—	420.0

PROJECTS IN NATIONAL TRUNK ROADS PROGRAMME—(Contd.)

K£'000

Project Name and Number	1978/79	1979/80	1980/81	1981/82	1982/83	Total
✓ 13139030040300						
✓ New Nyati Bridge (B8) ..	2,400·0	3,000·0	950·0	—	—	6,350·0
13139030040500						
✓ New Mtwapa Bridge (B8) ..	1,000·0	685·0	—	—	—	1,685·0
13139040040900						
✓ Garsen—Garissa (B8) ..	—	—	—	—	1,500·0	1,500·0

K£'000

Project Name and Number	1978/79	1979/80	1980/81	1981/82	1982/83	Total
✓ 13139060045100						
✓ Kisii—Kilgoris (C7) ..	300·0	1,700·0	1,000·0	—	—	3,000·0
13139060045900						
✓ Radi Kopany—Karungu (C18)	—	227·0	—	—	—	227·0
13139000040000						
✓ Agoro—Kendu Bay (C19) ..	—	—	100·0	1,200·0	1,200·0	2,500·0
13139080045500						
✓ Rongo—Homa Bay (C20) ..	—	—	750·0	1,000·0	750·0	2,500·0
13139070041300						
✓ Sondu—Kapsait (C25) ..	—	—	160·0	—	—	160·0
13139070045600						
✓ Kisiani—Bondo (C27) ..	600·0	700·0	200·0	—	—	1,500·0
13139060045700						
✓ Siaya—Luambwa (C29) ..	200·0	250·0	240·0	—	—	690·0
13139090045900						
✓ Luambwa—Bumala (C30) ..	—	—	—	100·0	200·0	300·0
13139050045700						
✓ Bungoma—Kimili (C42) ..	50·0	1,200·0	1,200·0	550·0	—	3,000·0
13139070045600						
✓ Londiani—Port Ternan (C35)	—	—	150·0	1,500·0	1,500·0	3,150·0
13139070041400						
✓ Nabkoi—Kapsabet (C36) ..	—	—	256·0	—	—	256·0
13139060045800						
✓ Awasi—Chemilili (C37) ..	200·0	200·0	—	—	—	400·0
13139090045800						
✓ Mumias—Kakamega (C40) ..	100·0	—	—	300·0	1,700·0	2,100·0
13139070041500						
✓ Nyahururu—Ndindika (C77) ..	1,000·0	2,000·0	750·0	—	—	3,750·0
13139020060000						
✓ E. Ravine—Nyati (C65) ..	—	—	184·0	200·0	—	384·0
13139070041700						
✓ Narok—Mau Narok (C57) ..	—	—	—	500·0	2,000·0	2,500·0
13139070049000						
✓ Longonot—Njabini (C68) ..	—	160·0	—	—	—	160·0
13139020060100						
✓ Njabini—Ndundori (C69) ..	—	—	300·0	440·0	—	740·0
13139020045700						
✓ Thika—Gacharage—Githumu (C70) ..	250·0	—	—	—	—	250·0

K£'000

Project Name and Number	1978/79	1979/80	1980/81	1981/82	1982/83	Total
13139020045900						
✓ Gacharage—Kangema (C70) ..	—	—	—	—	500·0	500·0
13139020045300						
✓ Kangema—Kiriaini (C70) ..	500·0	500·0	—	—	—	1,000·0
13139020045600						
✓ Nyeri—Kiriaini (C70) .. ..	400·0	—	—	—	—	400·0
13139040045200						
✓ Meru—Mara + Ruiru Loop (C91)	400·0	1,600·0	1,650·0	900·0	—	4,550·0
13139040045300						
✓ Makutano—Kitui .. ..	200·0	275·0	275·0	275·0	350·0	1,375·0
13139040045400						
✓ Kangundo—Mitaboni (C99) ..	—	—	—	—	100·0	100·0
13139030040600						
✓ Malindi—R. Post; Tsavo (C106)	—	—	—	—	300·0	300·0
13139030040700						
✓ Kwale—Kinango (C106) ..	—	190·0	—	—	—	190·0
13139030040800						
✓ Kinango—Mariakani (C107) ..	—	—	335·0	—	—	335·0
13139030040900						
✓ Kaloleni—Kilifi (C107).. ..	—	—	—	—	50·0	50·0
13139030041000						
✓ Garsen Bridge + Approaches (C112) .. .. .	500·0	1,000·0	—	—	—	1,500·0

## PROJECTS IN MINOR ROADS PROGRAMME

K£'000

Project Name and Number	1978/79	1979/80	1980/81	1981/82	1982/83	Total
13139121044200						
✓ Selected priority projects in Kiambu District .. ..	750·0	750·0	750·0	10·0	10·0	2,270·0
13139150040300						
✓ Mandera District Roads ..	4,000·0	3,200·0	1,750·0	1,750·0	1,750·0	12,450·0
13139190045900						
✓ Busia Malaba (D255) .. ..	—	—	—	110·0	—	110·0
13139123044200						
✓ Makuyu—Muriranjias (D421) ..	700·0	600·0	—	—	—	1,300·0
13139122044200						
✓ Rukerija—Gueheru (D456) ..	50·0	250·0	300·0	—	—	600·0
131391000000						
(C, D, and E) medium and minor improvements (not covered by GBC) intermediate system ..	—	—	300·0	575·0	575·0	1,450·0
13139144044500						
✓ Ikao Bridge D507/D509 ..	50·0	—	—	—	—	50·0
13139144040400						
✓ Ngwazi and Muoni Bridges ..	100·0	—	—	—	—	100·0
13139140000000						
✓ Kianyaga—Thumaita (D620) ..	50·0	150·0	150·0	—	—	350·0

PROJECTS IN MINOR ROADS PROGRAMME—(Contd.)

K£'000

Project Name and Number	1978/79	1979/80	1980/81	1981/82	1982/83	Total
13139193044400						
✓ Kisa Bridge .. .. .	30.0	—	—	—	—	30.0
13139020041000						
✓ Silingi Jetty .. .. .	100.0	—	—	—	—	100.0
1313980043000						
✓ Graveling Programme ..	5,355.0	6,515.0	4,235.0	3,925.0	3,825.0	23,855.0
13139800043000						
✓ Rural Access Roads Programme	3,500.0	3,500.0	3,500.0	4,200.0	4,300.0	19,000.0

**Building Branch Programme**

The Building Department of the Ministry of Works has the responsibility of designing, constructing and maintaining all public buildings. The Building Branch functions as a service agency for all Government ministries and departments and for the supervision of the construction of major buildings in Kenya. Other additional responsibilities include coast protection works and loans and grants to the National Construction as well as research.

During the Fourth Development Plan, the following building and construction projects will be undertaken:—

PROJECTS IN BUILDING PROGRAMME

K£'000

Project Name and Number	1978/79	1979/80	1980/81	1981/82	1982/83	Total
13240500040000						
MOW Office Extension ..	201.0	25.0	—	—	—	226.0
13240500042000						
MOW Depot Offices .. ..	250.0	205.0	250.0	270.0	300.0	1,275.0
13240500042100						
MOW Depot Housing .. ..	300.0	280.0	300.0	370.0	435.0	1,685.0
13240500043000						
Macalder Township—Renova- tion of Buildings .. ..	25.0	15.0	—	—	—	40.0
13240500045000						
MOW Minor Works .. .. .	10.0	10.0	10.0	15.0	15.0	60.0
13240500046000						
MOW Nakuru Provincial Hqs.	250.0	500.0	400.0	227.0	15.0	1,392.0
13240500046200						
MOW Kakamega Provincial Hqs.	—	—	250.0	500.0	500.0	1,250.0
13240500046300						
MOW Embu Provincial Hqs. ..	—	—	150.0	400.0	500.0	1,050.0
132406000600000						
Border Control Posts Buildings for various Ministries ..	800.0	800.0	800.0	880.0	800.0	4,000.0
13240700018000						
Preliminary surveys, planning and designs consultant ..	450.0	432.0	450.0	450.0	450.0	2,232.0



PROJECTS IN BUILDING PROGRAMME—(Contd.)

K£'000

Project Name and Number	1978/79	1979/80	1980/81	1981/82	1982/83	Total
132408000818000						
Research and Development Professional fees .. .. .	20.0	24.0	25.0	25.0	25.0	119.0
13240900040000						
Nyati House .. .. .	24.0	—	—	—	—	24.0
13240900041400						
Kenyatta Conference Centre ..	50.0	40.0	10.0	—	—	100.0
13240900042500						
Institutional Housing outside Nairobi .. .. .	500.0	—	—	—	—	500.0
13240900042600						
Purchase of Kenya Commercial Bank Building .. .. .	101.0	102.0	102.0	102.0	51.0	458.0
132410400-42300						
Electrification of Government Buildings—various Buildings 132422400-40300	152.0	120.0	140.0	140.0	160.0	712.0
Coast Protection Works (Malindi, Lamu and Vasco da-Gama) ..	314.0	200.0	290.0	310.0	340.0	1,454.0
13241200040000						
Minor Government works public works non-Recurrent ..	60.0	60.0	120.0	120.0	120.0	480.0

PROJECTS IN OTHER SERVICES PROGRAMME

K£'000

Project Name and Number	1978/79	1979/80	1980/81	1981/82	1982/83	Total
13341500040000						
Government Coast Agency Office Block .. .. .	—	14.0	106.0	5.0	—	125.0
13341600030000						
National Construction Corporation Grant of Admin. Expenses 1334170046000	648.5	400.0	495.0	543.0	597.0	2,683.5
Mechanical Branch Improvement to G.M. and T.E.S. Office* ..	117.0	70.0	50.0	30.0	20.0	287.0
13341900022000						
Laboratory Equipment ..	353.0	300.0	50.0	—	—	703.0
1334190022000						
Laboratory Buildings .. .. .	15.0	5.0	—	—	—	20.0
13342100040000						
Supplies Branch New Stores and Extension Main Office Nairobi 13342100040100	100.0	105.0	65.0	65.0	42.0	377.0
Improvement to Stores ..	45.0	30.0	30.0	30.0	30.0	165.0
13342200022000						
Equipment for Training (Staff Training Dept.) .. .. .	808.0	—	—	—	—	808.0
13342400040300						
Classrooms, offices and stores ..	80.0	240.0	100.0	—	—	420.0
13342400040100						
Finance and Administration Secretarial .. .. .	422.0	5.0	—	—	—	427.0

\*Excluding donor finance amounting to K£500,000 for MOW Mechanical Branch.

#### 14. MINISTRY OF POWER AND COMMUNICATIONS

The Ministry of Power and Communications has responsibility for control and regulation in three important sectors of the economy: transport, communications and energy. In the transport and communications sectors such responsibility covers, road transport excluding road construction, and the corporations—Railways, Harbours, Airways and Posts and Telecommunications. In the energy sector the Electric Power Act gives authority to the Minister for Power and Communications over the licensing of generation, transmission and distribution of electricity as well as over the licensing of electricians and the registration of electrical contractors. In addition, the Ministry of Power and Communications directly undertakes development projects in its own right. These include airports, airstrips, rural electrification and other projects important in the development of the sector. The table below summarizes the development and recurrent expenditures for the 1979-83 plan period of the Ministry of Power and Communications.

MINISTRY OF POWER AND COMMUNICATIONS, TOTAL EXPENDITURE AND FINANCE, 1978-1983  
K£'000

	1978/79	1979/80	1980/81	1981/82	1982/83	Total
<b>Development Expenditure</b>						
General Administration and Planning ..	4,567·0	5,399·0	2,013·0	1,381·0	1,236·0	14,596·0
Electrification ..	1,500·0	1,950·0	1,450·0	1,500·0	1,000·0	7,400·0
Kenya External Telecommunications* ..	1,028·0	4,192·0	2,217·0	2,855·0	1,000·0	11,292·0
Kenya Posts and Telecommunications* ..	7,306·0	14,776·0	15,507·0	8,629·0	7,637·0	53,856·0
Harbours* ..	8,513·0	7,924·0	5,143·0	3,865·0	3,464·0	28,909·0
Kenya Railways ..	26,753·0	2,683·0	1,930·0	386·0	—	31,753·0
Aerodromes ..	5,042·0	4,408·0	2,413·0	2,241·0	2,043·0	16,147·0
Airways ..	5,350·0	—	—	1,000·0	3,155·0	9,505·0
Kenya Shipping Line	0·01	244·0	360·0	750·0	750·0	2,104·01
E.A. Shipping Line ..	—	100·0	100·0	100·0	100·0	400·0
Road Transport ..	100·0	116·0	134·0	156·0	181·0	687·0
Unallocated ..	—	—	—	28,585·0	3,034·0	5,619·0
<b>Total Development</b>	<b>43,312·01</b>	<b>15,000·0</b>	<b>8,500·0</b>	<b>10,000·0</b>	<b>11,499·0</b>	<b>88,311·0</b>
<b>Recurrent Expenditure</b>						
General Administration	4,801·0	5,113·0	5,445·0	5,799·0	6,176·0	27,334·0
Aerodromes ..	2,793·0	2,975·0	3,168·0	3,374·0	3,593·0	15,903·0
Road Transport ..	301·0	319·0	340·0	362·0	386·0	1,708·0
<b>Total Recurrent</b> ..	<b>7,895·0</b>	<b>8,407·0</b>	<b>8,953·0</b>	<b>9,535·0</b>	<b>10,155·0</b>	<b>44,945·0</b>
<b>Total Expenditure</b>	<b>51,207·0</b>	<b>23,407·0</b>	<b>17,453·0</b>	<b>19,535·0</b>	<b>21,654·0</b>	<b>133,256·0</b>
Estimated Foreign Aid	22,335·0	1,870·0	4,620·0	4,120·0	370·0	33,315·0
Local Finance ..	28,872·0	21,537·0	12,833·0	15,415·0	21,284·0	99,941·0

\*Self-financing figures not included in Grand Total.

## Civil Aviation

The Kenya Government through the Ministry of Power and Communications is responsible for civil aviation matters. The three departments which carry out the functions are: Aerodromes Department, Directorate of Civil Aviation, and Meteorology. The development expenditure in Civil Aviation over the 1978-83 plan period will be divided among the three departments as follows:—

CIVIL AVIATION, DEVELOPMENT EXPENDITURE, 1978-1983

K£'000

	1978/79	1979/80	1980/81	1981/82	1982/83	Total
Aerodromes .. .. .	5,042·0	4,408·0	2,413·0	2,241·0	2,043·0	16,147·0
Directorate of Civil Aviation .. .. .	2,830·0	2,056·0	1,100·0	950·0	863·0	7,799·0
Meteorology .. .. .	1,715·0	3,342·0	914·0	431·0	374·0	6,776·0
<b>Total .. .. .</b>	<b>9,587·0</b>	<b>9,806·0</b>	<b>4,427·0</b>	<b>3,622·0</b>	<b>3,280·0</b>	<b>30,722·0</b>

### Aerodromes

The functions of the Aerodromes Department is to develop, operate and maintain all Government Civil Airports and Airstrips in Kenya. The Government intends to carry out during the plan period five programmes for the development of the following category of aerodromes:—

1. Major Airports.
2. Minor Airports.
3. Tourist Airstrips.
4. Strategic Airstrips.
5. Police Airstrips.

#### 1. Major Airports

These comprise the two International Airports of Nairobi and Mombasa together with the two domestic aerodromes of Kisumu and Malindi which form the basis of current scheduled airline services. Additionally, Wilson Aerodrome, the secondary airport of Nairobi, serves as the local point of charter and flying training operations.

## PROJECTS IN MAJOR AIRPORTS PROGRAMME

K£'000

Project Name and Number	1978/79	1979/80	1980/81	1981/82	1982/83	Total
14546111011001 Jomo Kenyatta Airport						
<i>Total Expenditure</i> .. ..	3,228·0	2,350·0	640·0	386·0	300·0	6,554·0
14546230034002 Mombasa Airport						
<i>Total Expenditure</i> .. ..	830·0	750·0	225·0	110·0	120·0	2,185·0
14546111011003 Wilson Airport						
<i>Total Expenditure</i> .. ..	280·0	500·0	500·0	400·0	270·0	1,950·0
14546130031004 Malindi Airport						
<i>Total Expenditure</i> .. ..	40·0	100·0	125·0	25·0	25·0	315·0
14546160062005 Kisumu Airport						
<i>Total Expenditure</i> .. ..	102·0	60·0	20·0	15·0	10·0	207·0
14546110000006 Other Airfields						
<i>Total Expenditure</i> .. ..	561·0	748·0	1,003·0	1,305·0	1,318·0	4,935·0

## 2. Minor Airports

Airports under this programme are located in centres of population and serve administrative and commercial purposes as well as providing an efficient internal communications link.

It is envisaged that a gradual upgrading of the priority airports will be undertaken in stages to ensure that they form the basis of an expanded regular airline route network.

## PROJECTS IN MINOR AIRPORTS PROGRAMME

K£'000

Project Name and Number	1978/79	1979/80	1980/81	1981/82	1982/83	Total
14546470076007 Kitale						
<i>Total Expenditure</i> .. ..	—	—	—	10·0	250·0	300·0
14546450042008 Garissa						
<i>Total Expenditure</i> .. ..	—	43·0	200·0	15·0	—	258·0
14546440042009 Kitui						
<i>Total Expenditure</i> .. ..	40·0	100·0	—	—	—	140·0
14546490093010 Kakamega						
<i>Total Expenditure</i> .. ..	—	—	43·0	200·0	7·0	250·0
14546430036011 Hola						
<i>Total Expenditure</i> .. ..	—	—	—	30·0	170·0	200·0

PROJECTS IN MINOR AIRPORTS PROGRAMME—(Contd.)

K£'000

Project Name and Number	1978/79	1979/80	1980/81	1981/82	1982/83	Total
14546470083012 Kabsabet						
<i>Total Expenditure</i> .. ..	—	—	—	—	20·0	20·0
14546490042013 Webuye						
<i>Total Expenditure</i> .. ..	100·0	60·0	—	—	—	160·0
14546470077014 Eldoret						
<i>Total Expenditure</i> .. ..	—	—	—	100·0	—	100·0
14546470081015 Kabarnet						
<i>Total Expenditure</i> .. ..	—	—	—	90·0	110·0	200·0
14546460062016 Kisii						
<i>Total Expenditure</i> .. ..	10·0	—	—	—	—	10·0
14546440041017 Embu						
<i>Total Expenditure</i> .. ..	—	—	100·0	20·0	—	120·0
14546440064018 Homa Bay						
<i>Total Expenditure</i> .. ..	—	—	—	—	100·0	100·0

3. Tourist Airstrips

Airstrips under this programme are intended to provide the basic infrastructure in order to assist private enterprise investment and stimulate development of the tourist industry.

PROJECTS IN TOURIST AIRSTRIPS PROGRAMME

K£'000

Project Name and Number	1978/79	1979/80	1980/81	1981/82	1982/83	Total
14546430033019 Lamu Airstrip						
<i>Total Expenditure</i> .. ..	60·0	80·0	40·0	—	—	180·0
14546430034020 Ukunda						
<i>Total Expenditure</i> .. ..	—	—	—	—	50·0	50·0
14546440040021 Loiengalani						
<i>Total Expenditure</i> .. ..	—	160·0	400·0	—	—	200·0
14546470084022 Maralal						
<i>Total Expenditure</i> .. ..	—	—	10·0	100·0	40·0	150·0
14546470082023 Eliye Springs						
<i>Total Expenditure</i> .. ..	—	—	150·0	50·0	—	200·0

PROJECTS IN TOURIST AIRSTRIPS PROGRAMME—(Contd.)

K£'000

Project Name and Number	1978/79	1979/80	1980/81	1981/82	1982/83	Total
14546470085024 Kalkol (Ferguson Gulf) <i>Total Expenditure</i> .. ..	—	—	50.0	150.0	—	200.0
14546470043625 Governor's Camp (Musiarā) <i>Total Expenditure</i> .. ..	150.0	—	—	—	—	150.0
14546470045026 Keekorok <i>Total Expenditure</i> .. ..	—	40.0	—	—	—	40.0
14546470085027 Lake Rudolf <i>Total Expenditure</i> .. ..	—	—	—	—	50.0	50.0
14546420025028 Nyeri <i>Total Expenditure</i> .. ..	11.5	—	—	—	—	11.5

4. *Strategic Airstrips*

These are airstrips which are located in remote areas of the country and of strategic value for control of immigration and health, etc.

PROJECTS IN STRATEGIC AIRSTRIPS PROGRAMME

K£'000

Project Name and Number	1978/79	1979/80	1980/81	1981/82	1982/83	Total
14546440042029 Isiolo <i>Total Expenditure</i> .. ..	60.0	15.0	—	—	—	75.0
14546470085030 Lodwar <i>Total Expenditure</i> .. ..	—	100.0	50.0	—	—	150.0
14546440045031 Marsabit <i>Total Expenditure</i> .. ..	130.0	10.0	—	—	—	140.0

5. *Police Airstrips*

These airstrips will be mainly used for border control and to facilitate performance of police operations.

PROJECTS IN POLICE AIRSTRIPS PROGRAMME

K£'000

Project Name and Number	1978/79	1979/80	1980/81	1981/82	1982/83	Total
14546470085032 Lokitaung						
<i>Total Expenditure .. ..</i>	—	—	—	150·0	50·0	200·0
14546450051033 Hulugho						
<i>Total Expenditure .. ..</i>	—	—	—	150·0	100·0	250·0
14546450051034 Sabarei						
<i>Total Expenditure .. ..</i>	—	—	—	200·0	50·0	250·0
14546450051035 Liboi						
<i>Total Expenditure .. ..</i>	—	—	—	—	150·0	150·0
14546470081036 Lake Baringo						
<i>Total Expenditure .. ..</i>	—	140·0	320·0	40·0	—	500·0
14546470085037 Oropoi						
<i>Total Expenditure .. ..</i>	—	—	—	—	150·0	150·0
14546470085038 Lokichoggio						
<i>Total Expenditure .. ..</i>	—	—	—	—	150·0	150·0

X Directorate of Civil Aviation

The Directorate of Civil Aviation provides navigational aids to aircraft flying in Kenya's airspace. Aerodromes are designed and maintained so as to accommodate without restriction all aircraft that are expected to operate into it. The Directorate of Civil Aviation plans to purchase equipment over the plan period to enable continued provision of required services at all airports/airstrips in Kenya. In addition it is proposed to start a flying school in Kenya since our participation at the Soroti Flying School will be discontinued. The programme provides for the establishment of such a school during the plan period.

PROJECTS OF THE DIRECTORATE OF CIVIL AVIATION

K£'000

Project Name and Number	1978/79	1979/80	1980/81	1981/82	1982/83	Total
14044311000001 Movement to Nairobi Airport	625·0	500·0	—	—	—	1,125·0
14044311000002 East African School of Aviation Training Equipment .. ..	—	200·0	—	—	—	200·0
14044311000003 African Indian Ocean Air Navigation Plans .. .. .	240·0	—	—	—	—	240·0

PROJECTS OF THE DIRECTORATE OF CIVIL AVIATION—(Contd.)

K£'000

Project Name and Number	1978/79	1979/80	1980/81	1981/82	1982/83	Total
14044311022004 Test Equipment for Telecommu- nication Operation .. ..	150.0	150.0	150.0	—	—	450.0
14044311044005 Central Workshops Machinery	30.0	30.0	—	—	—	60.0
14044311040006 School of Aviation Complex and Staff Houses .. ..	—	1,000.0	950.0	950.0	—	2,900.0
14044311033007 Central Workshop Building ..	50.0	30.0	—	—	—	80.0
14044311000008 Access road to central area Radar station at Muhia Hills ..	75.0	—	—	—	—	75.0
14044311000009 Technical Store .. ..	125.0	125.0	—	—	—	250.0
14044311022010 Replacement of Navigational Aid	135.5	—	—	—	—	135.5
14044311022011 Development of Wilson Airport	150.0	—	—	—	—	150.0
14044311022012 Development of Malindi Airport	250.0	250.0	250.0	250.0	—	1,000.0
14044311022013 Development of Garissa Airport	—	200.0	200.0	200.0	—	600.0
14044311022014 Lamu Development .. ..	10.0	5.0	—	—	—	15.0
14044311022015 Calibration Aircraft and Acces- sories .. ..	—	135.0	—	—	—	135.0
14044311022016 Aircraft Ranger .. ..	—	75.0	—	—	—	75.0
14044311022017 Airborne Receivers .. ..	—	20.0	—	—	—	20.0

✓ **Meteorology**

➤ The functions and responsibilities of the Meteorological Department have evolved over the years and are the provision of meteorological and climatological services to:—

- (a) Civil aviation for the safety and economy of civil aircraft operations.
- (b) Shipping in the Western Indian Ocean including the issue of cyclone warnings for the safety of merchant and other ships in the Western Indian Ocean.
- (c) Agriculture, plantation farming, forestry development and for the better exploitation and utilization of natural resources.
- (d) Water resources development and other Government departments, public corporations, local authorities, the mass media and the general public.



- (e) For the improvement and preservation of the national environment for a better human life.
- (f) The organization and administration of surface and upper air meteorological observations within its area of responsibility and the publication of climatological data.

Over the Fourth Development Plan the Meteorological Department will spend about K£6.8 million on specified projects within its proposed programme.

#### *Service to Civil Aviation*

Projects will include purchase of closed television system for visual display of weather at Malindi and Nairobi Airports; replacement of obsolete equipment, development of Wilson, Malindi and Garissa Airports.

#### PROJECTS IN SERVICE TO CIVIL AVIATION

K£'000

Project Name and Number	1978/79	1979/80	1980/81	1981/82	1982/83	Total
14044200122001 Closed television system for visual display of weather at Nairobi and Mombasa Airports	—	—	250.0	250.0	—	500.0
14044200126002 Replacement of obsolete equipment .. .. .	100.0	—	—	—	—	100.0
14244200722003 Development of Wilson Airport	—	—	—	108.0	108.0	216.0
14244201122004 Development of Malindi Airport	—	—	—	108.0	108.0	216.0
14244201122005 Development of Garissa Airport	—	—	28.4	71.0	24.8	124.2
14244201122006 Development of Wajir Airport	—	200.0	—	—	—	200.0

#### *Improvement of National Forecasting Services*

New stations will be built in new places as well as development of existing stations. In addition meteorological instruments will be purchased for use in the stations.

#### PROJECTS FOR IMPROVEMENT OF NATIONAL FORECASTING SERVICE

K£'000

Project Name and Number	1978/79	1979/80	1980/81	1981/82	1982/83	Total
14244200140107 Building of New Stations ..	100.0	100.0	100.0	100.0	100.0	500.0
14244200142008 Improvement on existing stations	200.0	200.0	200.0	200.0	200.0	1,000.0
14244200122009 Meteorological Instruments ..	20.0	20.0	20.0	20.0	20.0	100.0

### *Service to Agriculture*

At least five Agronet stations will be constructed each year of the plan period. An estimated K£125,000 will be spent for this purpose.

#### PROJECTS FOR SERVICE TO AGRICULTURE

K£'000

Project Name and Number	1978/79	1979/80	1980/81	1981/82	1982/83	Total
14044200140110 Provision of Agronet Stations ..	25.0	25.0	25.0	25.0	25.0	125.0

### *Service to Water Resources*

Over the plan period rainfall stations will be constructed in various places as well as provision of hydrometeorological surveys in these areas (manpower and computer data rent).

#### PROJECTS FOR SERVICE TO WATER RESOURCES

K£'000

Project Name and Number	1978/79	1979/80	1980/81	1981/82	1982/83	Total
14044200140111 Rainfall Stations .. ..	10.0	10.0	10.0	10.0	10.0	50.0
14044200122012 Hydrometeorological Survey ..	—	—	75.0	—	—	75.0

### *Service to the Environment*

The major projects will include construction of a station for monitoring pollutants. In addition impact stations will also be constructed.

#### PROJECTS FOR SERVICE TO THE ENVIRONMENT

K£'000

Project Name and Number	1978/79	1979/80	1980/81	1981/82	1982/83	Total
14044200140113 Baseline station on Mt. Kenya ..	—	200.0	800.0	500.0	500.0	2,000.0
14044200140114 Station for monitoring pollutants	—	—	200.0	—	—	200.0
14044200140115 Impact Stations .. ..	—	—	75.0	—	—	75.0

### *Computerization of Services*

During the Fourth Development Plan it is planned to purchase a meteorological computer for use by the department.

PROJECTS FOR COMPUTERIZATION OF SERVICE

K£'000

Project Name and Number	1978/79	1979/80	1980/81	1981/82	1982/83	Total
14244200122015 Meteorological Computer ..	—	—	250.0	—	—	250.0
14244200122016 Purchase of soft ware .. ..	—	—	25.0	25.0	25.0	75.0

*Miscellaneous Projects*

The Meteorological Department plans to purchase three transmitters during the Fourth Development Plan. Other projects under this category will include research, extension to headquarter buildings and instruments development.

PROJECTS UNDER MISCELLANEOUS PROJECTS

K£'000

Project Name and Number	1978/79	1979/80	1980/81	1981/82	1982/83	Total
14044200122017 Telecommunications System: Transmitters .. ..	—	150.0	150.0	150.0	—	450.0
14044200122018 Manufacturing capability of Meteorological Service: Instruments Development ..	—	75.0	—	—	—	75.0
14044200142019 Extension to Headquarters ..	112.5	—	—	—	—	112.5
14044200146620 Research Projects: Pumping Machines .. ..	—	2.50	—	—	—	2.5
14044200100022 Instruments for rain and enhance- ment .. .. .	—	2.0	—	—	—	2.0
14044200100022 Development of alternative sources of energy .. ..	—	—	2.0	—	—	2.0

**Kenya Airways**

Kenya Airways Limited was registered in January, 1977, and is a Kenya Government owned company. The Board of Kenya Airways is working to achieve the following objectives:—

1. To run a safe, profitable and reliable airline.
2. To provide air services within Kenya and internationally and to attain a return on capital employed, and to grow profitably.
3. To provide airline related services, viz. handling and engineering services.

4. To play a significant role in related industries of tourism, trade and commerce for the overall benefit of Kenya.
5. To develop our human resources to attain high levels of Kenyan competency within the Airline.

During the Fourth Plan period Kenya Airways will initiate a number of programmes to realize the layed down objectives. The main programmes being aircraft fleets, plant and equipment and aircraft spares.

**KENYA AIRWAYS, DEVELOPMENT EXPENDITURE, 1978-1983**

*K£'000*

Project Name and Number	1978/79	1979/80	1980/81	1981/82	1982/83	Total
14646911030010 Kenya Airways Expenditure ..	5,350.0	—	—	1,000.0	3,155.0	9,505.0

**Kenya Railways Corporation**

The Kenya Railways was created in 1977 out of the defunct East African Railways Corporation. The Kenya Railways is Government owned and is run and supervised by Kenyans in the interest of the national economy. The operations of Kenya Railways became formalized by the enactment of legislation in January, 1978, which established a Kenya Railways Corporation owned by the Government of Kenya but to be run as an autonomous commercial enterprise. The Corporation now offers railway services in many parts of the country. The projects listed below constitute the Development Programme which will be realized through the following programmes:—

1. Yards, Crossing Stations and Sidings.
2. Relaying and Renewals.
3. Ballasting and Formation Works.
4. Signals and Telecommunications.
5. Machinery and Equipment.
6. Depots.
7. Workshop Machinery and Equipment.
8. Water Transport.
9. Staff Quarters.
10. Others.

Development expenditures to be incurred for projects are expected to total K£35 million over the period 1978-83, as shown in the table below:—

KENYA RAILWAYS CORPORATION, DEVELOPMENT EXPENDITURE AND FINANCE, 1978-83

K£'000

	1978	1979	1980	1981	1982	1983	Total
Development Expenditure .. .. .	4,466.5	9,278.0	7,467.0	6,599.0	4,332.0	2,858.5	35,000.0
Foreign Exchange .. .. .	2,778.0	6,216.0	2,688.0	2,574.0	1,602.0	1,172.0	17,030.0
Local Currency .. .. .	1,688.5	3,062.0	4,779.0	4,025.0	2,730.0	1,686.0	17,971.0

*Yards, Crossing Stations and Sidings*

During the plan period, it will be necessary to carry out general improvements on yards, crossing stations, sidings, and development of Government industrial areas. It is estimated that about K£3 million will be required for these improvements. This cost will cover the development in 1980 of Makadara Marshalling Yard, lengthening of loops at Myanga Station in 1980 as well as other crossing stations for increased capacity.

PROJECTS IN YARDS, CROSSING STATIONS AND SIDINGS PROGRAMME

K£'000

Project Name and No.	1978	1979	1980	1981	1982	1983	Total
14445710000001 Yards, Crossing Stations and Sidings Expenditure .. .. .	240.0	150.0	600.0	750.0	720.0	540.0	3,000.0

*Relayings and Renewals*

Renewals and relayings of the permanent way, essentially for maintenance and replacement of worn-out track materials, will be undertaken during the plan period, as a matter of great importance for the safety of the track. The lines included in the Plan are: Mombasa/Malaba, Eldoret/Malaba, Nanyuki/Nanyuki and Nairobi/Thika. An estimated K£4.1 million will be required for all relayings' and renewals' projects.

PROJECTS IN RELAYINGS AND RENEWALS PROGRAMME

K£'000

Project Name and No.	1978	1979	1980	1981	1982	1983	Total
Relayings and Renewals Expenditure	650.0	900.0	750.0	600.0	550.0	650.0	4,100.0

### *Ballasting and Formation Works*

Ballasting and formation works to ensure safety of the track are a continuous process to eliminate wear and tear. For this an estimated sum of K£800,000 will be spent.

#### PROJECTS IN BALLASTING AND FORMATION WORKS

K£'000

Project Name and No.	1978	1979	1980	1981	1982	1983	Total
14445710000003 Ballasting and Formation Works Expenditure .. ..	100.0	200.0	150.0	100.0	100.0	150.0	800.0

### *Signals and Telecommunications*

Over the plan period it is intended to introduce track circuiting on station running lines as protective devices against frequent head-on collision on the mainline and Kisumu branch line. Simultaneously it is intended to provide a tokenless system between Nairobi and Mombasa and extend the loop lines at crossing stations and to upgrade turnouts. The obsolete signalling equipment at Mbaruk/Nakuru West will also be replaced.

Under this programme it is also proposed to install new PABX, Train Control and Carrier Equipment of modern electric types instead of the present equipment which is obsolete and life-expired. For the improvement of both telecommunications and signalling it is proposed to spend about K£7 million over the Fourth Development Plan period.

#### PROJECTS IN SIGNALS AND TELECOMMUNICATIONS

K£'000

Project Name and No.	1978	1979	1980	1981	1982	1983	Total
14445710000004 Signals and Telecommunications Expenditure .. ..	200.0	2,125.0	1,600.0	1,850.0	1,075.0	150.0	7,000.0

### *Machinery and Equipment*

This is a requirement for the provision and replacement of various machinery and equipment on open line. The items include motor trolleys, track recorders, ballast tamping machines, mobile and fixed cranes, water supply machinery, and other items of workshop machinery and equipment

used to augment the line gangs in the maintenance of the track. Also included in this programme are purchases of containerization equipment, electric lighting for stations and depots and office equipment. It is estimated that about K£1.5 million will be spent.

PROJECTS IN MACHINERY AND EQUIPMENT

K£'000

Project Name and No.	1978	1979	1980	1981	1982	1983	Total
14445710000005 Machinery and Equipment Expenditure	120.0	195.0	300.0	405.0	285.0	195.0	1,500.0

*Depots*

Container traffic is increasingly becoming important and so it is proposed to provide facilities for handling it. A container handling berth is being constructed (Berth 18) in Mombasa and before long this traffic will become significant. A provision of about K£600,000 will have to be spent during the plan period to provide the necessary terminals and depots.

With the establishment of the Kenya Railways, it has been found necessary to develop Malaba Station into a full transshipment depot for goods destined for Uganda, Ruanda, Burundi and Eastern Zaire. It is proposed to spend about K£2.8 million on depots over the plan period.

PROJECTS IN DEPOTS PROGRAMME

K£'000

Project Name and No.	1978	1979	1980	1981	1982	1983	Total
14445710000006 Depots Expenditure	168.0	1,232.0	616.0	504.0	140.0	140.0	2,800.0

*Workshop Machinery and Equipment*

The workshops are currently being converted to service diesel instead of steam locomotives which are soon to be phased out. Some of the machinery and plant in the workshops are life-expired and need immediate replacement. It is also necessary to purchase new equipment related to the changeover to diesel locomotives. It is further planned to provide a steel melting furnace to recycle scrap steel and thus save significantly on foreign exchange. The new Permanent Way depot will require various workshop machines consisting of one for machining steel parts for turnout manufacture and a crane. The proposed expenditure will be about K£3 million over the plan period.

## PROJECTS IN WORKSHOP MACHINERY AND EQUIPMENT

K£'000

Project Name and No.	1978	1979	1980	1981	1982	1983	Total
14445710000007 Workshop Machinery and Equipment Ex- penditure .. ..	433.5	1,024.5	387.0	385.0	385.0	385.0	3,000.0

*Water Transport*

Over the plan period it is proposed to revitalize the services around the Gulf area. As a result, provision will be made for re-engining the life-expired engines and auxiliaries of m.t. *Itoma*, m.l. *Alestes*; the conversion of a lighter into a self-propelled craft and the re-engining of m.v. *Peeda*.

Also under this programme Kenya Railways has already started to renovate the piers, wharves, etc., so as to provide much needed transport facilities for people and goods in the South Nyanza and Kisii areas and to provide additional piers.

Some of the plant and machinery in the Kisumu marine workshops is now life-expired and replacement is proposed immediately. It is also proposed to improve the workshops under this programme. Over the Fourth Development Plan period a sum of K£500,000 will be spent on water transport.

## PROJECTS IN WATER TRANSPORT

K£'000

Project Name and No.	1978	1979	1980	1981	1982	1983	Total
14445710000008 Water Transport Ex- penditure .. ..	50.0	300.0	50.0	45.0	30.0	25.0	500.0

*Staff Quarters*

Essential for the improvement of the standard of employees is the provision of adequate and modern housing. It is proposed to construct staff quarters along the line, at wayside and depot stations and at Changamwe marshalling yard.

## PROJECTS IN STAFF QUARTERS

K£'000

Project Name and No.	1978	1979	1980	1981	1982	1983	Total
14445710000009 Staff Quarters Expen- diture .. ..	308.0	1,039.5	1,155.0	693.0	539.0	115.5	3,850.0



### Other Programmes

Included in this category are bridges and culverts, workshops and plant, road services and departmental road vehicles.

Renewal of unsafe and life-expired structures is an annual process in an effort to prevent accidents. Additional culverts are currently being installed to prevent washaways. Under this programme life-expired vehicles will be replaced and these will include staff cars, Land-Rovers, L.W.B. lorries, tippers, and concrete mixers. In addition a total of 47 trucks operating Mombasa local haulage services will require replacement while the increased demand will require about 23 additional vehicles. All these programmes are estimated to cost about K£8.4 million over the plan period.

#### PROJECTS UNDER OTHER PROGRAMMES

K£'000

Project Name and No.	1978	1979	1980	1981	1982	1983	Total
14445710000010 Other Programmes Ex- penditure .. ..	2,197.0	2,112.0	1,859.0	1,267.0	508.0	508.0	8,450.0

### Kenya Posts and Telecommunications

The Kenya Posts and Telecommunications Corporation exists to provide postal and telecommunications services to the people of Kenya. This objective is entrenched in the Kenya Posts and Telecommunications Corporation Act, 1977. The following table summarizes the estimated capital expenditure to be incurred during the Fourth Development Plan period.

#### KENYA POSTS AND TELECOMMUNICATIONS CORPORATION DEVELOPMENT EXPENDITURE AND FINANCE, 1979-1983

K£'000

	1979	1980	1981	1982	1983	Total
Postal Services .. ..	853.45	416.85	391.25	370.95	207.50	2,240.00
Telecommunications:						
(a) Import Content .. ..	2,600.8	9,289.2	8,988.4	4,039.20	3,298.0	28,215.6
(b) Local Content .. ..	3,751.4	5,069.9	6,127.35	4,259.25	4,131.7	23,339.6
<b>Total .. ..</b>	<b>6,352.2</b>	<b>14,359.1</b>	<b>15,115.75</b>	<b>8,298.45</b>	<b>7,429.7</b>	<b>51,555.2</b>

### Postal Services

The postal programmes for the period 1978-83 aim at improving and expanding postal services throughout the country with greater emphasis on the districts and rural areas in line with the declared Government policy. By

opening more offices the Corporation hopes to bring services closer to the people through reducing the land area and number of people to be served by each office. The major projects for the development of the postal services can be grouped into three programmes as follows:—

1. New Sub-Post Offices Programme.
2. Departmental Post Offices Programme.
3. Post Offices Building Programme.

#### *New Sub-Post Offices Programme*

In the years 1979 to 1983 it is proposed to establish a total of 134 sub-post offices. New sub-post offices are generally open after the potential demand for postal services in an area are assessed by carrying out on-the-spot surveys. The following table gives the number of the proposed new sub-post offices planned for the Fourth Plan period. No capital expenditure is incurred in the establishment of sub-post offices. They are operated on an agency basis by a private individual, usually a shopkeeper, Railway Official or a Government Administrative Officer.

NEW SUB-POST OFFICES PLANNED

	1979	1980	1981	1982	1983	Total
New Sub-Post Offices .. ..	39	24	27	16	28	134

#### *Departmental Post Offices Programme*

The proposed departmental post offices programme aims at improving postal facilities in the rural areas through upgrading of many sub-post offices in these areas. It is intended to almost double the number of departmental offices in operation in 1977 by the end of 1983. This will necessitate the establishment of a total of 81 departmental offices from 1979 to 1983, and the majority of these being in the rural areas.

NEW DEPARTMENTAL POST OFFICES PLANNED

1979	1980	1981	1982	1983	Total
25	17	14	12	13	81

## Post Office Buildings Planned

Post office buildings constitute the main item of postal capital investment. The buildings are financed from internal resources. The expenditure on buildings is of two types. First, there is the expenditure on post office buildings for new departmental offices including staff quarters. The second type of expenditure is on buildings for existing departmental post offices. This has been necessitated by the fact that some of the post office buildings are either too old or too small to allow the staff to work efficiently. It is proposed to build more buildings to replace the old ones and in some cases re-conditioning of the present building will be done. Extensions of present buildings will also be undertaken as the need arises. Both types of expenditures on buildings are detailed below.

### PROJECTS IN BUILDINGS FOR NEW DEPARTMENTAL POST OFFICES

K£'000

Project Name and Number	1978/79	1979/80	1980/81	1981/82	1982/83	Total
14245011010001						
1 Departmental Office: Nairobi 14245021010002	51.00	—	53.50	47.50	53.50	205.50
2 Departmental Office: Kiambu 14245025010003	36.00	—	—	—	—	36.00
3 Departmental Office: Nyeri .. 14245031010004	—	41.00	—	—	—	41.00
4 Departmental Office: Kilifi .. 14245032010005	19.50	—	—	—	—	19.50
5 Departmental Office: Kwale .. 14245034010006	39.00	—	—	—	—	39.00
6 Departmental Office: Mombasa 14245052010007	—	36.00	—	—	—	36.00
7 Departmental Office: Mandera 14245062010008	—	—	36.75	—	—	36.75
8 Departmental Office: Kisumu 14245064010009	51.00	—	—	—	—	51.00
9 Departmental Office: South Nyanza .. .. . 14245082010010	19.50	—	—	—	—	19.50
10 Departmental Office: Elgeyo Marakwet .. .. . 14245085010011	26.00	—	—	—	—	26.00
11 Departmental Office: Turkana 14245092010012	15.75	—	—	—	—	15.75
12 Departmental Office: Busia .. 14245093010013	31.25	—	—	—	—	31.25
13 Departmental Office: Kakamega 14245023010014	19.50	—	—	—	—	19.50
14 Departmental Office: Murang'a	19.50	—	—	—	—	19.50

PROJECTS IN BUILDINGS FOR EXISTING DEPARTMENTAL POST OFFICES OR EXTENSIONS

K£'000

Project Name and Number	1978/79	1979/80	1980/81	1981/82	1982/83	Total
14245011020001						
1 Buildings: Nairobi .. ..	55.00	27.50	15.00	25.00	25.00	147.50
14245021020002						
2 Buildings: Kiambu .. ..	55.00	5.00	—	—	—	60.00
14245022020003						
3 Buildings: Kirinyaga .. ..	—	—	—	—	5.00	5.00
14245023020004						
4 Buildings: Murang'a .. ..	—	—	—	16.50	—	16.50
14245024020005						
5 Buildings: Nyandarua .. ..	—	—	10.00	10.00	16.50	36.50
14245025020006						
6 Buildings: Nyeri .. ..	25.00	17.50	—	—	—	42.50
14245031020007						
7 Buildings: Kilifi .. ..	—	8.50	18.50	—	—	27.00
14245035020008						
8 Buildings: Taita Taveta .. ..	15.00	—	5.00	—	—	20.00
14245042020009						
9 Buildings: Isiolo .. ..	—	10.00	10.00	—	—	20.00
14245043020010						
10 Buildings: Kitui .. ..	—	—	—	33.00	—	33.00
14245044020011						
11 Buildings: Machakos .. ..	—	10.00	23.25	6.50	—	39.75
14245051020012						
12 Buildings: Garissa .. ..	—	—	5.00	—	—	5.00
14245052020013						
13 Buildings: Mandera .. ..	10.00	—	—	—	—	10.00
14245062020014						
14 Buildings: Kisumu .. ..	10.00	18.25	93.25	85.00	—	206.50
14245063020015						
15 Buildings: Siaya .. ..	15.00	10.00	—	—	16.50	41.50
14245064020016						
16 Buildings: South Nyanza .. ..	—	8.25	14.75	10.00	16.50	49.50
14245081020017						
17 Buildings: Baringo .. ..	7.75	—	—	—	—	7.75
14245071020018						
18 Buildings: Kajiado .. ..	10.00	6.50	—	16.50	—	33.00
14245072020019						
19 Buildings: Kericho .. ..	20.00	20.00	5.00	—	—	45.00
14245073020020						
20 Buildings: Laikipia .. ..	—	10.00	11.50	—	—	21.50
14245074020021						
21 Buildings: Nakuru .. ..	60.00	—	5.00	—	—	65.00
14245083020022						
22 Buildings: Nandi .. ..	—	—	—	20.00	16.50	36.50
14245075020023						
23 Buildings: Narok .. ..	6.50	10.00	—	—	—	16.50
14245076020024						
24 Buildings: Trans-Nzoia .. ..	10.00	—	—	—	—	10.00
14245077020025						
25 Buildings: Uasin Gishu .. ..	50.00	—	—	—	—	50.00
14245092020026						
26 Buildings: Busia .. ..	31.25	—	—	—	16.50	47.75
14245093020022						
27 Buildings: Kakamega .. ..	124.50	10.00	10.00	26.50	—	171.00

## Telecommunication Services

Telecommunications plays a very significant role in the development of political, social and economic sectors of our society. The Telecommunications Plan concentrates on expansion of services both in the urban and rural areas with special emphasis being set upon modernization of existing facilities which will result into considerable improvement in the quality of services during the plan period. New long distance systems linking Kenya with neighbouring countries will be completed—the first such system, the high capacity (960 telephone channels) Pan-African Telecommunications Micro-wave system will come into service in early 1980. It will provide direct telecommunications link with Ethiopia, Tanzania, Zambia and Malawi and thereby facilitate the introduction of International Subscriber Dialling (ISD) by the subscriber to and through these countries on a limited basis initially. Similar systems are planned for Sudan and Somalia and funding is being established. Access to Subscriber Trunk Dialling (STD) system will also be offered to the public call offices.

Telecommunications services projects have been classified under three major programmes:—

1. Telephone Exchanges.
2. Long Distance Transmission Programme.
3. Building and Civil Works Programme.

The Telecommunications development programme at the district level is shown below:—

1979-83 TELECOMMS DEVELOPMENT PROGRAMME

District and Province	Existing Line Capacity (78)	PROJECTED LINE CAPACITY GROWTH			(AUTO+MANUAL)	
		1979	1980	1981	1982	1983
Nairobi .. .. .	54,076	60,576	64,076	73,576	78,576	83,376
Kiambu .. .. .	4,850	4,850	8,350	8,800	9,000	9,000
Kirinyaga .. .. .	210	350	380	380	380	380
Murang'a .. .. .	580	650	820	1,150	1,300	1,300
Nyandarua .. .. .	880	1,020	1,020	1,810	1,880	1,880
Nyeri .. .. .	1,890	2,950	3,040	3,910	4,110	4,110
<b>Total Central Province ..</b>	<b>8,410</b>	<b>9,820</b>	<b>13,610</b>	<b>16,050</b>	<b>16,670</b>	<b>16,670</b>
Kilifi .. .. .	770	770	1,840	1,910	1,910	1,910
Kwale .. .. .	490	490	590	1,620	1,620	1,790
Lamu .. .. .	152	222	342	522	523	553
Mombasa .. .. .	12,968	15,968	17,968	22,968	23,368	23,368
Taita Taveta .. .. .	415	415	415	445	490	490
Tana River .. .. .	72	142	142	142	172	202
<b>Total Coast Province ..</b>	<b>14,867</b>	<b>18,007</b>	<b>21,297</b>	<b>27,607</b>	<b>28,083</b>	<b>28,313</b>

## 1979-83 TELECOMMS DEVELOPMENT PROGRAMME—(Contd.)

District and Province	Existing Line Capacity (78)	PROJECTED LINE CAPACITY GROWTH			(AUTO+MAN UA)	
		1979	1980	1981	1982	1983
Mandera .. .. .	0	0	0	1	1	1
Wajir .. .. .	0	0	0	0	61	61
Garissa .. .. .	140	140	140	170	390	390
<b>Total North E. Province ..</b>	<b>140</b>	<b>140</b>	<b>140</b>	<b>171</b>	<b>452</b>	<b>452</b>
Kitui .. .. .	320	390	460	580	630	740
Embu .. .. .	850	950	1,780	1,810	1,900	1,970
Isiolo .. .. .	50	50	50	50	81	81
Machakos .. .. .	1,327	1,607	2,277	2,347	2,472	2,622
Meru .. .. .	870	1,050	2,220	2,220	2,250	2,350
Marsabit .. .. .	70	70	140	140	141	141
<b>Total Eastern Province ..</b>	<b>3,487</b>	<b>4,117</b>	<b>6,927</b>	<b>7,147</b>	<b>7,474</b>	<b>7,904</b>
Baringo .. .. .	161	161	231	281	311	341
Elgeyo Marakwet .. .. .	130	130	180	180	180	250
Kajiado .. .. .	200	200	200	220	220	220
Kericho .. .. .	870	960	990	1,990	2,021	2,091
Turkana .. .. .	—	—	—	—	1	1
Laikipia .. .. .	650	650	650	730	800	840
Nakuru .. .. .	3,661	3,731	7,641	8,771	9,131	9,261
Nandi .. .. .	380	380	380	480	480	480
Narok .. .. .	140	210	210	210	240	260
Samburu .. .. .	100	100	170	170	170	171
Trans Nzoia .. .. .	588	628	1,748	1,788	1,788	1,858
Uasin Gishu .. .. .	1,240	1,340	1,340	1,430	1,430	1,510
West Pokot .. .. .	70	70	70	70	70	140
<b>Total Rift Valley Province</b>	<b>8,190</b>	<b>8,560</b>	<b>13,810</b>	<b>61,320</b>	<b>16,842</b>	<b>17,424</b>
Bungoma .. .. .	590	700	910	1,070	1,070	1,100
Busia .. .. .	170	170	240	270	340	340
Kakamega .. .. .	880	1,140	1,940	2,090	2,240	2,290
<b>Total Western Province ..</b>	<b>1,640</b>	<b>2,010</b>	<b>3,090</b>	<b>3,430</b>	<b>3,650</b>	<b>3,730</b>
Kisii .. .. .	500	570	600	1,400	1,490	1,490
Kisumu .. .. .	4,020	4,280	4,320	4,350	5,840	5,840
Siaya .. .. .	330	400	470	490	560	560
South Nyanza .. .. .	540	680	780	940	1,000	1,110
<b>Total Nyanza Province ..</b>	<b>5,390</b>	<b>5,930</b>	<b>6,170</b>	<b>7,180</b>	<b>8,890</b>	<b>9,000</b>
<b>TOTAL KENYA .. .. .</b>	<b>96,200</b>	<b>109,130</b>	<b>129,120</b>	<b>151,481</b>	<b>160,637</b>	<b>166,868</b>

### Telephone Exchanges Programme

The Plan envisages substantial extension of existing and provision of new automatic and manual telephone exchanges in most districts in Kenya. The expected net increase in telephone exchange line capacity during the plan period 1979-83 is 71,158 lines as summarized below.

#### GROWTH IN TELEPHONE EXCHANGE LINE CAPACITY

Year	1978 Existing	1979	1980	1981	1982	1983	Total
Added Line Capacity	—	13,950	20,260	22,561	8,156	6,231	71,158
Projected Total Line Capacity .. ..	96,200	110,150	130,410	152,971	162,127	168,358	—

Under this programme new manual exchanges will be installed in a large number of new locations during the plan period. Most of the exchanges are manual employing magneto-type switching. Other centres, in rural areas, already connected, will have their capacity extended.

In this programme provision has been made to convert manual exchanges to automatic operation, enabling subscribers to dial directly to other subscribers on the same exchange. In addition, to cope with the increasing traffic, the existing capacity of automatic exchanges will be extended during the plan period.

#### NEW MANUAL EXCHANGES AND EXTENSIONS

K£'000

Project Name and Number	Additional Lines/ Trunks	1979	1980	1981	1982	1983	Total
14245021030001 Kiambu Exchange	450	—	—	13.7	—	—	13.7
14245022030002 Kirinyaga Exchange	100	4.0	0.3	—	—	—	4.3
14245023030003 Murang'a Exchange	720	2.0	4.7	8.5	7.75	—	22.95
14245024030004 Nyandarua Exchange	400	4.0	—	6.4	3.75	—	14.15
14245025030005 Nyeri Exchange ..	810	13.0	2.3	1.25	32.3	—	48.85
14245031030006 Kilifi Exchange ..	140	—	2.2	2.4	—	—	4.6
14245032030007 Kwale Exchange ..	260	—	4.1	0.55	—	12.4	17.05
14245033030008 Lamu Exchange ..	400	2.0	4.2	31.55	0.55	3.35	41.65

NEW MANUAL EXCHANGES AND EXTENSIONS—(Contd.)

K£'000

Project Name and Number	Additional Lines/Trunks	1979	1980	1981	1982	1983	Total
14245035030009 Taita Taveta Exchange .. ..	75	—	—	0.55	5.95	—	6.5
14245036030010 Tana River Exchange	130	2.0	—	—	3.05	3.35	8.4
14245041030011 Embu Exchange .. ..	320	3.5	1.9	0.7	3.75	3.55	13.4
14245042030012 Isiolo Exchange .. ..	50	—	—	—	3.70	—	3.70
14245043030013 Kitui Exchange .. ..	420	2.0	2.2	10.0	3.05	6.90	24.15
14245044030014 Machakos Exchange	895	8.0	10.90	2.6	12.20	13.40	47.10
14245045030015 Marsabit Exchange	70	—	2.2	—	0.55	—	2.75
14245046030016 Meru Exchange .. ..	390	4.25	4.7	—	3.05	6.9	18.90
14245051030017 Garissa Exchange	91	—	—	2.5	6.8	—	9.30
14245052030018 Mandera Exchange	—	—	—	0.5	—	—	0.50
14245053000019 Wajir Exchange .. ..	61	—	—	—	6.8	—	6.80
14245061000020 Kisii Exchange .. ..	190	2.0	1.90	—	3.05	—	6.95
14245062000021 Kisumu Exchange.. ..	420	6.3	0.40	2.75	3.55	—	13.00
14245063000022 Siaya Exchange .. ..	370	4.0	4.40	0.50	0.25	—	9.15
14245064000023 South Nyanza Exchange .. ..	570	4.0	4.10	12.0	6.05	5.45	31.60
14245081000024 Baringo Exchange.. ..	180	—	3.80	2.75	3.05	3.35	12.95
14245087000025 Elgeyo Marakwet Exchange .. ..	120	—	2.0	—	—	3.35	5.35
14245071000026 Kajiado Exchange.. ..	20	—	—	0.70	—	—	0.70
14245072000027 Kericho Exchange	261	2.15	1.90	—	3.6	6.25	13.90
14245073000028 Laikipia Exchange	150	—	—	4.75	6.10	—	10.85
14245074000029 Nakuru Exchange	1,600	2.0	51.75	115.55	69.8	9.5	248.6
14245083000030 Nandi Exchange .. ..	100	—	—	5.70	—	—	5.70
14245075000031 Narok Exchange .. ..	120	2.0	—	—	3.05	1.45	3.50
14245084000032 Samburu Exchange	61	2.0	—	—	—	0.65	2.65
14245076000033 Trans Nzoia Exchange .. ..	270	0.2	4.2	2.75	—	3.35	10.50



NEW MANUAL EXCHANGES AND EXTENSIONS—(Contd.)

K£'000

Project Name and Number	Additional Lines/Trunks	1979	1980	1981	1982	1983	Total
14245085000034 Turkana Exchange	—	—	—	—	0.55	—	0.55
14245077000035 Uasin Gishu Exchange .. ..	259	44.47	—	8.35	—	6.2	59.02
14245086000036 West Pokot Exchange	70	—	—	—	—	3.55	3.55
14245091000037 Bungoma Exchange	510	2.2	9.4	12.65	—	3.35	27.6
14745092000038 Busia Exchange ..	170	—	2.2	2.25	3.2	—	7.65
14245093000039 Kakamega Exchange	610	6.3	—	10.5	4.65	3.35	24.80

NEW AUTOMATIC EXCHANGES AND EXTENSIONS

K£'000

Project Name and Number	Additional Lines/Trunks	1979	1980	1981	1982	1983	Total
14245011040001 Nairobi Exchange	30,564	1,406.0	627.0	1,565.0	822.0	939.6	5,360.2
14245021040002 Kiambu Exchange	—	—	555.35	—	50.6	—	605.95
14245024040003 Nyandarua Exchange	600	—	—	111.6	—	—	111.6
14245025040004 Nyeri Exchange ..	1,400	205.27	—	158.5	—	—	363.77
14245031040005 Kilifi Exchange ..	1,090	—	205.5	—	—	—	205.5
14245032040006 Kwale Exchange ..	1,090	—	—	18.5	—	—	18.5
14245034040007 Mombasa Exchange	10,617	519.99	319.0	930.0	7.0	—	1,775.99
14245041040008 Embu Exchange ..	890	—	209.55	—	—	—	209.55
14245044040009 Machakos Exchange	400	—	63.8	—	—	—	63.8
14245045040010 Marsabit Exchange	—	—	—	—	—	—	—

## NEW AUTOMATIC EXCHANGES AND EXTENSIONS—(Contd.)

K£'000

Project Name and Number	Additional Lines/Trunks	1979	1980	1981	1982	1983	Total
14245046040011 Meru Exchange ..	1,088	—	205.3	—	—	—	205.3
14245061040012 Kisii Exchange ..	800	—	—	148.8	—	—	148.8
14245067040013 Kisumu Exchange ..	1,400	—	—	—	319.2	—	319.2
14245071040014 Kajiado Exchange	—	—	—	—	—	—	—
14245072040015 Kericho Exchange	1,000	—	—	186.0	—	—	186.0
14245073040016 Laikipia Exchange	16	—	5.75	—	—	—	5.75
14245074040017 Nakuru Exchange	4,894	—	998.4	130.2	—	—	1,128.6
14245076040018 .. Trans Nzoia Ex- change	1,088	—	254.8	—	—	—	254.8
14245077040019 Uasin Gishu Ex- change .. ..	1,000	250.27	—	—	—	—	250.27
14245093040020 Kakamega Exchange	914	—	157.00	—	—	—	157.00

*Long Distance Transmission Programme*

The increasing long distance telephone traffic demand requires more efficient switching equipment as well as adequate trunk and junction network to carry all long distance traffic. In this Plan, considerable amount of high and low capacity radio and line transmission systems will be installed to take on inter-urban, inter-state and urban-rural telephone traffic. The planned capacity should be sufficient for requirements up to 1983 with flexible routing design to encourage improved and efficient telecommunications with our neighbours in the north, namely, Ethiopia, Sudan and Somalia and the ones in the south as far down as Zambia and Malawi which will be the main transit areas for Kenya's telecommunications traffic to Southern Africa.

## LONG DISTANCE TRANSMISSION PROGRAMME

K£'000

System and No.	Capacity	1979	1980	1981	1982	1983	Total
14245010050001 Panafel Microwave System—Phase I	960CHNS	—	392.0	—	—	—	392.0
14245010050002 Panafel Microwave System—Phase III	960CHNS	—	440.0	—	—	—	440.0
14245010050003 Kisumu—Kakamega —Bungoma Micro- wave System ..	960CHNS	—	182.35	—	—	—	182.35

## LONG DISTANCE TRANSMISSION PROGRAMME—(Contd.)

K£'000

System and No.	Capacity	1979	1980	1981	1982	1983	Total
14245070050004 Nakuru—Kericho— Eldoret Microwave System ..	960CHNS	—	254.4	—	—	—	254.4
14245070050005 Eldoret—Kitale Mi- crowave System	960CHNS	—	90.55	—	—	—	90.55
14245070050006 Nakuru—Nyahururu Microwave System	960CHNS	—	—	163.95	—	—	163.95
14245030050007 Malindi—Lamu Mic- rowave System ..	120CHNS	—	—	343.6	—	—	343.6
14245090050008 Homa Bay—Gemba Microwave System	120CHNS	—	—	—	96.75	—	96.75
14245010050009 BMS Nairobi—Na- kuru Microwave System .. ..	910CHNS	—	—	—	220.65	—	220.65
14245010050010 BMS Nairobi—Mo- mbasa Microwave System .. ..	960CHNS	—	—	—	—	96.75	96.75
14245010050011 Murang'a—Oldonyo Sabuk Microwave System .. ..	300CHNS	—	—	—	139.05	—	139.05
14245010050012 Nairobi—Machakos Microwave System	960CHNS	—	—	—	—	96.76	96.76
14245011050013 BMS MUX—Nairobi	N/A	108.4	—	—	—	—	108.4
14245030050013 Mombasa—BMS MUX .. ..	N/A	54.2	—	—	—	—	54.2
14245074050014 Nakuru—BMS MUX	N/A	19.5	—	—	—	—	19.5
14245062050015 Kisumu—BMS MUX	N/A	47.35	—	—	—	—	47.35
14245041050016 Embu—MUX ..	N/A	2.0	—	—	—	—	2.0
14245025050017 Nyeri—MUX ..	N/A	2.0	—	—	—	—	2.0
14245070050018 Kericho—Nakuru MUX .. ..	N/A	—	27.6	—	—	—	27.6
14245070050019 Eldoret—Nakuru MUX .. ..	132CHNS	—	60.65	—	—	—	60.65
14245010050020 Kisumu—Kakamega MUX .. ..	456CHNS	—	—	179.65	—	—	179.65

## LONG DISTANCE TRANSMISSION PROGRAMME—(Contd.)

K£'000

System and No.	Capacity	1979	1980	1981	1982	1983	Total
14245010050021 Kisumu—Bungoma MUX .. ..	60CHNS	—	—	27.6	—	—	27.6
14245010050022 Nairobi—Embu MUX .. ..	36CHNS	—	—	16.55	—	—	16.55
14245070050023 Kitale—Eldoret MUX .. ..	156CHNS	—	—	64.75	—	—	65.75
14245010050024 Nairobi—Juba MUX	36CHNS	—	—	16.55	—	—	16.55
14245010050025 Panaftel MUX Phase I .. ..	36CHNS	—	400.0	—	—	—	400.00
14245010050026 Panaftel MUX Phase III .. ..	96CHNS	—	71.6	—	—	—	71.6

*Building and Civil Works Programme*

During the plan period, a number of equipment buildings and equipment site access roads will be constructed at an estimated cost of K£2.9 million in local currency. The building projects will include telephone exchanges, radio terminals and radio repeater stations. The Buildings and Civil Works Programme is detailed below.

## PROJECTS IN BUILDING AND CIVIL WORKS PROGRAMME

K£'000

Project Name and Number	1979	1980	1981	1982	1983	Total
14245011060001 Nairobi .. ..	110.00	60.00	247.50	60.00	60.00	537.5
14245021060002 Kiambu .. ..	—	122.50	76.00	28.50	—	227.0
14245023060003 Murang'a .. ..	—	—	60.00	—	—	60.00
14245025060004 Nyeri .. ..	16.0	17.50	120.00	25.00	5.00	183.50
14245031060005 Kilifi .. ..	—	23.50	—	—	—	23.50
14245033060006 Lamu .. ..	—	36.00	—	12.50	—	48.50
14245034060007 Mombasa .. ..	—	60.00	72.50	205.00	—	337.50
14245035060008 Taita Taveta .. ..	—	—	12.50	—	5.00	17.50
14245043060009 Kitui .. ..	—	—	—	75.00	—	75.00
14245044060010 Machakos .. ..	12.50	—	—	—	60.00	72.50

PROJECTS IN BUILDING AND CIVIL WORK PROGRAMME—(Contd.)

K£'000

Project Name and Number	1979	1980	1981	1982	1983	Total
14245051060011						
Garissa .. .. .	—	—	—	12.50	—	12.50
14245053000012						
Wajir .. .. .	—	—	—	17.50	—	17.50
14245061060013						
Kisii .. .. .	—	60.0	—	—	—	60.0
14245062060014						
Kisumu .. .. .	—	—	—	110.00	—	110.0
14245064060015						
South Nyanza .. .. .	—	—	—	12.50	—	12.50
14245071060016						
Kajiado .. .. .	—	—	—	—	5.00	5.00
14245072060017						
Kericho .. .. .	100.0	—	—	—	—	100.0
14245073060018						
Laikipia .. .. .	—	—	—	—	60.00	60.00
14245074060019						
Nakuru .. .. .	16.0	35.0	75.0	12.50	—	138.50
14245076060020						
Trans Nzoia .. .. .	17.75	170.0	—	—	—	187.75
14245077060021						
Uasin Gishu .. .. .	187.75	—	—	—	—	187.75
14245091060022						
Bungoma .. .. .	—	—	60.00	—	—	60.00
14245092060023						
Kakamega .. .. .	187.50	—	—	—	15.00	202.50

**Kenya External Telecommunications Company Limited**

The development programme of the Kenya External Telecommunications is geared towards improvements and expansion of telecommunication facilities to meet the needs of an expanding economy. The table below summarizes the development and recurrent expenditures for the 1978/79-1982/83 plan period.

KENYA EXTERNAL TELECOMMUNICATION, TOTAL EXPENDITURE AND FINANCE, 1978/83

K£'000

	1978/79	1979/80	1980/81	1981/82	1982/83	Total
Development Expenditure						
Equipment .. .. .	885.00	3,280.0	1,335.00	2,250.00	700.00	8,450.00
Airconditioning Plants	66.00	—	207.00	150.00	—	423.50
Building Development	10.00	815.00	675.00	380.00	250.00	2,130.00
Transport .. .. .	67.30	96.70	—	75.00	50.00	289.00
<b>Total .. .. .</b>	<b>1,028.30</b>	<b>4,191.70</b>	<b>2,217.50</b>	<b>2,855.00</b>	<b>1,000.00</b>	<b>11,292.50</b>
Foreign Exchange .. .. .	713.25	2,460.00	1,156.88	2,141.25	525.00	6,996.38
Local Expenses .. .. .	315.05	1,731.70	1,060.62	713.75	475.00	4,295.12

### *Equipment—New Installations and Modifications*

This programme will involve among many projects the addition of new equipment to cater for circuit expansion, i.e. expanding the existing circuits and opening new destinations. Modification will also be undertaken of existing equipment to cater for various mandatory plans—IND series. These are issued by INTELSAT almost every year. Existing equipment will also be replaced after they have done their span of life expectancy or after they have been outdated by more modern equipment. Also under this programme new equipment will be purchased for general expansion and to meet the requirement of new telecommunication techniques coming into being from time to time. These will normally be dictated by changes in the distant destinations that the Company operates with in order to ensure compatibility and to keep pace with technological development internationally. New equipment will also be purchased to increase the working capacity, e.g. 2nd Antenna, autotelex, ship to shore communication and to improve the efficiency of the telephone working by the introduction of international subscriber dialling (ISD) system. The following are some of new installations and modifications which will be carried out over the plan period:—

1. 2nd Antenna at Longonot for Atlantic Ocean Satellite.
2. Multiplex equipment for ITSC and Longonot plus echo-suppressors for ITSC.
3. Modification of Microwave Link for Colour TV.
4. Additional receivers for Longonot.
5. TV Longonot and ITSC.
6. Aerial 1 Modifications for frequency reuse.
7. Modification kits for IOR/IND 14 Plan and latest AOR operations Plan.
8. Auto Telex exchange for CTO (including expansion equipment up to 1983).
9. ITE terminations (expansions).
10. VFT expansions for ITSC (more channel systems).
11. IDCC/Data terminal and test equipment for CTO.
12. Electronic teleprinters.
13. Communication and test equipment for Mombasa.
14. Standby diesel generator and 50 kVA. no-break power supply equipment for autotelex (CTO).
15. SGPG expansion equipment (up to 60 channels).
16. International Subscribers Dialling Equipment (ISD).
17. TV Standard Converter Centre at Longonot (625/60 to 625/50 and vice versa).

18. Modification of microwave link between Longonot and Extelcoms House (Nairobi), to upgrade to 960 channels.
19. MARISAT Earth Station at Mombasa (including expansion equipment up to 1986).
20. Multipurpose off-line computer (accounts and planning).
21. Expansion of Terminal Equipment—Data and Teleprinters.

The expenditure on new installations and modifications over the plan period will be approximately K£10.66 million and the yearly expenditures are as follows:—

PROJECTS IN THE EQUIPMENT PROGRAMME

*Expenditure in K£'000*

	1978/79	1979/80	1980/81	1981/82	1982/83	Total
New Installations and Modifications <i>Total Expenditure ..</i>	961.00	4,095.00	2,217.50	2,438.00	950.00	10,661.50

*Air Conditioning Plants Programme*

In the financial year 1978/79 an autotelex exchange for CTO will be installed. This will necessitate an air conditioning plant and it is estimated that the cost will be in the region of K£66.00 million.

*Building Development Programme*

Projects in this programme include erection of maisonettes (10 and 13) on plot occupied by houses "C" and "D", extension of Extelcoms House in Mombasa, construction of staff houses at Nairobi and Mombasa. In addition senior staff houses will be constructed at Ngong Station as well as junior staff quarters at Maai-Mahiu for Longonot staff.

PROJECTS IN BUILDING DEVELOPMENT PROGRAMME

*K£'000*

	1978/79	1979/80	1980/81	1981/82	1982/83	Total
Building Development <i>Total Expenditure .. ..</i>	10.00	815.00	675.00	380.00	250.00	2,130.00

*Transport Programme*

Over the plan period the Company hopes to increase its fleet of motor vehicles, scooters and bicycles. The Company anticipates expenditure approximately K£289,000 for this purpose over the plan period.

PROJECTS IN THE TRANSPORT PROGRAMME

K£'000

	1978/79	1979/80	1980/81	1981/82	1982/83	Total
Vehicles .. .. .	55.90	96.70	—	75.00	50.00	277.60
Bicycles .. .. .	1.20	—	—	—	—	1.20
Motor Scooters .. .. .	10.20	—	—	—	—	10.20
<b>TOTAL .. .. .</b>	<b>67.30</b>	<b>96.70</b>	<b>—</b>	<b>75.00</b>	<b>50.00</b>	<b>289.00</b>

**Kenya Ports Authority**

The Kenya Ports Authority administers harbour services and facilities at the Mombasa Port. The Authority is also responsible for other minor ports along the coast of Kenya. The list of projects below represents the development expenditure of the Authority which will occur mainly at the Mombasa Port. The expenditure can be divided into six programmes as follows:—

1. Capital Dredging.
2. Wharves, Berths.
3. Floating Craft.
4. Ports and Shore Equipment.
5. Building and Other Works.
6. Other Projects.

The sum allocated to the Kenya Ports Authority is expected to be K£28,916,000 as shown in the table below:—

KENYA PORTS AUTHORITY, DEVELOPMENT EXPENDITURE AND FINANCE, 1978-1983

K£'000

	1978/79	1979/80	1980/81	1981/82	1982/83	Total
Development Expenditure ..	8,513.0	7,924.0	5,149.0	3,865.0	3,465.0	28,916.0
Estimated Foreign Exchange ..	5,108.0	4,754.0	3,089.0	2,319.0	2,079.0	17,349.0
Estimated Local Currency ..	3,405.0	3,170.0	2,060.0	1,546.0	1,386.0	11,567.0

*Capital Dredging Programme*

Major dredging will be carried out at Kilindini and Kipevu shoals as well as Ras Mzimili. This will allow deeper draughted and lengthier vessels and allow for loaded tankers to leave the ports at night.



## PROJECT IN DREDGING PROGRAMME

K£'000

Project Name and Number	1978/79	1979/80	1980/81	1981/82	1982/83	Total
14345430000001 Capital Dredging Expenditure..	840.0	735.0	0	0	0	1,575.0

*Wharves, Berths Programme*

Development under this programme will include the continuation of construction of Berth 18 which commenced in 1977, construction of Berth 6 whose cost include the provision of a shed behind the berth.

Other developments include extension of container wharves, improvement of berths at Kilindini and Kipevu where works will be rescheduled periodically in line with operational needs.

## PROJECTS IN WHARVES, BERTHS PROGRAMME

K£'000

Project Name and Number	1978/79	1979/80	1980/81	1981/82	1982/83	Total
14345430000002 Construction of Berth 18 ..	2,150.0	—	—	—	—	2,150.0
14345430000003 Construction of Berth 6 ..	750.0	1,642.5	1,448.5	—	—	3,841.0
14345430000004 Extension of Container Wharfs 14345430000005	250.0	1,313.5	500.0	—	—	2,063.5
Improvement of Berths—Kilindini 14345430000006	105.0	210.0	310.0	275.0	325.0	1,225.0
Improvement of Berths—Kipevu	—	70.0	420.0	280.0	245.0	1,015.0

*Floating Craft Programme*

About one third of the floating craft owned by the Authority have exceeded their "board" lives and as such, will have to be replaced. The items to be replaced will include lighter and pontoon fleets, landing pontoons, lighter towing tugs, pilot cutter, berthing tugs, mooring boats, labour launches and hopper barges.

## PROJECTS IN FLOATING CRAFTS PROGRAMME

K£'000

Project Name and Number	1978/79	1979/80	1980/81	1981/82	1982/83	Total
14345430000007 Marine (Floating Craft) Expenditure .. .. .	253.0	217.0	195.0	1,180.0	87.0	1,932.0

### *Port and Shore Equipment Programme*

Expenditure under this programme will include purchase of miscellaneous port equipment including a 40-ton crane, purchase of telecommunications equipment which should include among other items a switchboard. Navigational aids will also be purchased under this programme.

#### PROJECTS IN PORT AND SHORE EQUIPMENT PROGRAMME

K£'000

Project Name and Number	1978/79	1979/80	1980/81	1981/82	1982/83	Total
1434543000008 Port Equipment (General) ..	709.0	1,128.0	1,138.0	2,030.0	1,358.0	6,363.0
1434543000009 Container Handling Equipment	1,150.0	287.0	—	—	—	1,437.0
1434543000010 Telecommunications Equipment	—	250.0	250.0	—	—	500.0
1434543000011 Navigational Aids .. ..	50.0	98.0	—	—	—	148.0

### *Building and Other Works Programme*

During the plan period the Authority will start a number of construction projects. These will include construction of Bandari College, supplies depot, staff houses, and welfare facilities. In addition the programme will include extension office block for accommodating staff in KCHSER's and Authority's Accounting Department as well as the extension of service area to provide office block for the Engineering Department.

#### PROJECTS IN BUILDING AND OTHER WORKS PROGRAMME

K£'000

Project Name and Number	1978/79	1979/80	1980/81	1981/82	1982/83	Total
1434543000012 Training School .. ..	600.0	300.0	—	—	—	900.0
1434543000013 Supplies Depot .. ..	—	—	—	—	250.0	250.0
1434543000014 Staff Houses .. ..	287.0	287.0	287.0	—	—	861.0
1434543000015 Welfare Facilities .. ..	150.0	180.0	100.0	—	—	430.0
1434543000016 Container Base Works Phase II	—	—	—	—	1,100.0	1,100.0
1434543000017 Extension of Office Block ..	529.0	903.0	150.0	—	—	1,582.0
1434543000018 Extension of Service Area ..	440.0	293.0	100.0	—	—	833.0

### Other Projects Programme

Development projects falling under this programme will include a hydraulic model study, acquisition of land, improvement of small ports and other miscellaneous projects.

#### PROJECTS IN OTHER PROJECTS PROGRAMME

K£'000

Project Name and Number	1978/79	1979/80	1980/81	1981/82	1982/83	Total
14345430000019						
Land Acquisition .. ..	250·0	—	—	—	—	250·0
14345430000020						
Hydraulic Model Study ..	—	—	—	100·0	100·0	200·0
14345430000021						
Small Ports .. .. .	—	10·0	—	—	—	10·0
14345430000022						
Miscellaneous (Unallocated) ..	—	—	250·0	—	—	250·0

### Electricity

Development expenditures in the electricity sector are organized in four main programmes:—

1. Generation.
2. Transmission and Distribution.
3. Rural Electrification.
4. Geothermal.

The generation and transmission programme will require investment exceeding K£98 million (excluding the upper reservoir). The Government will seek an international loan to finance the major hydro and geothermal stations, and also the major transmission lines. Reinforcement and extension to sub-transmissions and distribution lines will require an investment of a further K£15.63 million. The table below indicates estimated capital expenditure by programme over the plan period.

#### CAPITAL EXPENDITURE IN THE ELECTRICITY SECTOR, 1979-1983

K£ million

	1979	1980	1981	1982	1983	Total
Generation .. .. .	8·47	7·75	8·24	8·35	14·62	47·43
Transmission .. .. .	6·80	12·25	5·45	2·73	—	27·23
Subtransmission and Distribution	4·51	4·64	2·91	2·31	1·26	15·63
Geothermal .. .. .	·324	11·514	11·224	·324	·324	23·71
<b>TOTAL .. .. .</b>	<b>20·104</b>	<b>36·154</b>	<b>27·824</b>	<b>13·714</b>	<b>16·204</b>	<b>114·00</b>

### Generation Programme

By 1983 domestic installed generator capacity will rise from 320 MW in 1977 to 535 MW in 1983. The increased capacity will keep pace with increased demand of electricity and based on current price level, a sum of K£71 million will be spent on additional generation plant during the plan period. This figure does not include the capital cost of the Upper Reservoir (approximately K£50 million) which is being funded as a multipurpose project.

#### PROJECTS FOR POWER GENERATION

*Expenditure in K£'000*

Project Name and Number	Year of Completion	Capacity	Capital Cost
14144400000001 Upper Tana Reservoir ..	1982	40MW	50,000-0

### Transmission and Distribution Programme

The programme given below represents the transmission and distribution development programme together with additions and reinforcements in order to meet load growth in already electrified areas. The programme includes a 220 kV. line from Kamburu to Mombasa and 220/132 kV. substation at an estimated total cost of K£27 million. The total capital expenditure during the plan period for transmission and distribution is estimated at about K£44 million.

#### MAJOR TRANSMISSION AND DISTRIBUTION PROJECTS

*Expenditure in K£'000*

Project Description	1978	1979	1980	1981	1982	1983	Total
14144400000001 Pilot Cable: Juja to Parklands Substation	40-0	40-0	—	—	—	—	80-0
14144400000002 Reinforcement of 11kV Distribution System in Murang'a District	—	160-0	—	—	—	—	160-0
14144400000003 Reinforcement of 11kV Distribution System in Nairobi City ..	—	150-0	100-0	100-0	100-0	100-0	550-0
14144400000004 66 kV Feeder No. 3 from Juja to Nairobi South Substation ..	—	20-0	25-0	—	—	—	45-0
14144400000005 Reinforcement: Thika 66 kV substation and 11 kV Distribu- tion System in Thika	130-0	50-0	50-0	50-0	50-0	50-0	380-0

## MAJOR TRANSMISSION AND DISTRIBUTION PROJECTS—(Contd.)

Expenditure in K£'000

Project Description	1978	1979	1980	1981	1982	1983	Total
14144400000006 Reinforcement: 66kV Line from Ruaraka to Limuru and Sub- stations .. ..	—	150·0	145·0	—	—	—	295·0
14144400000007 Reinforcements: Karen Substation and 11kV Distribution System	—	88·0	55·0	—	—	—	143·0
14144400000008 Reinforcement: 66kV Line and Substation at Athi River ..	—	55·0	—	—	100·0	50·0	205·0
14144400000009 Reinforcement: 66kV Line to Ruiru and Substation .. ..	—	—	—	—	200·0	250·0	450·0
14144400000010 Modification. Lanet 132/33 kV Substation	—	—	—	220·0	100·0	50·0	370·0
14144400000011 Reinforcement: 33kV Lines Lanet to Na- kuru and Substation	—	90·0	—	—	220·0	50·0	360·0
14144400000012 Reinforcement 33kV and 11kV Distribu- tion System in Rift Valley Area ..	—	120·0	160·0	75·0	75·0	75·0	505·0
14144400000013 Two 66/11kV Sub- stations in Nairobi Area .. ..	—	—	125·0	125·0	—	—	250·0
14144400000014 132kV Line and Sub- station: Kisumu- Kericho-Eldoret ..	—	1,331·0	2,396·0	1,064·0	532·0	—	5,323·0
14144400000015 132kV Line and Sub- station: Tana-Nan- yuki .. ..	—	638·0	1,147·0	509·0	254·0	—	2,548·0
14144400000016 Reinforcement: 11 and 33kV Distribution Systems in West Kenya Area ..	250·0	325·0	—	—	—	—	575·0
14144400000017 Reinforcement: 11 and 33kV Distribution System in Mt. Kenya Area .. ..	—	245·0	235·0	125·0	125·0	125·0	855·0
14144400000018 Mombasa and Coastal Water Supply Project	660·0	400·0	—	—	—	—	1,060·0

## MAJOR TRANSMISSION AND DISTRIBUTION PROJECTS—(Contd.)

Expenditure in K£'000

Project Description	1978	1979	1980	1981	1982	1983	Total
14144400000019 Reinforcement: 33kV Distribution system. South Coast Mombasa .. .. .	120-0	130-0	—	—	—	—	250-0
14144400000020 Reinforcement: 11kV Distribution system Mailand North Mombasa .. .. .	20-0	85-0	—	—	—	—	105-0
14144400000021 Modifications: Install. 132kV isolators at Voi Substation .. .. .	—	35-0	—	—	—	—	35-0
14144400000022 Kipevu-Makande-Mbaraki 33kV Feeder No. 2 .. .. .	—	125-0	50-0	—	—	—	175-0
14144400000023 Install. 23 MVA 33/11 kV transformer at Makande Substation .. .. .	—	—	100-0	—	—	—	100-0
14144400000024 Install. 23 MVA 33/11 kV transformer No. 2 at Mbaraki Substation .. .. .	—	—	—	—	—	110-0	110-0
14144400000025 Reinforcement: 11kV Distribution system. Mombasa Island .. .. .	—	—	50-0	50-0	—	—	100-0
14144400000026 Build: 33/11kV Substation at Mwatate .. .. .	—	—	—	—	60-0	—	60-0
14144400000027 Build: 132/33kV Substation at Mazeras .. .. .	—	—	—	200-0	100-0	—	300-0
14144400000028 132kV Line and 132/33 kV Substation: South Coast Mombasa .. .. .	—	—	—	400-0	400-0	400-0	1,200-0
14144400000029 220 kV Line from Kambu-Mombasa and 220/132kV Substation .. .. .	—	6,808-0	12,254-0	5,446-0	2,723-0	—	27,231-0
14144400000030 Reinforcement Malindi Substation and 11kV Distribution system .. .. .	—	55-0	—	—	—	—	55-0
14144400000031 PLC. Communication: 132kV Intermediate Substation. Juja-Kipevu-Kilifi .. .. .	—	200-0	—	—	—	—	200-0

## Rural Electrification Programme

The Kenya Government finances uneconomic rural electrification schemes through the Rural Electrification Fund (REF). The Rural Electrification Programme is co-ordinated and administered by the Electricity Development Committee composed of representatives of the Ministries of Power and Communications, Planning and Community Affairs, the Treasury and the East African Power and Lighting Company. The Rural Electrification Fund receives an income of K£220,000 per annum from SIDA/TRDC Treasury interest differential scheme. It is hoped that from April, 1979, CIDA will give a grant of K£190,000 per annum for Rural Electrification and it is likely that other countries would give substantial sums of money for rural electrification purposes.

The Rural Electrification Programme cost alone will amount to K£4,710,000 compared to K£1,354,000 for the 1974-78 Development Programme, a 348 per cent increase. The list below gives details on the proposed rural electrification schemes.

### PROJECTS IN THE RURAL ELECTRIFICATION PROGRAMME EXPENDITURE

K£'000

Project Name and Number	1978/79	1979/80	1980/81	1981/82	1982/83	Total
14144421000001 Rural Electrification: Chura ..	80.0	—	—	—	—	80.0
14144423000002 Rural Electrification: Kandara/ Kiharu .. .. .	200.0	100.0	100.0	—	—	400.0
14144425000003 Rural Electrification: Magutu/ Naro Moru/Tetu/Mukurweini	—	140.0	140.0	—	—	280.0
14144422000004 Rural Electrification: Kimunyu	50.0	—	—	—	—	50.0
14144431000005 Rural Electrification: Kaloleni Mambrui/Ribe-Rabai ..	55.0	100.0	—	—	—	155.0
14144432000006 Rural Electrification: Kinango	—	45.0	—	—	—	45.0
14144436000007 Rural Electrification: Taveta ..	—	—	—	200.0	—	200.0
14144441000008 Rural Electrification: Karurumo	—	—	60.0	—	—	60.0
14144442000009 Rural Electrification: Isiolo ..	130.0	—	—	—	—	130.0
141444430000010 Rural Electrification: Changithya /Mwingi/Tulia .. ..	20.0	50.0	55.0	30.0	—	155.0
141444440000011 Rural Electrification: Emali/ Makueni/Mbooni .. ..	—	—	—	80.0	100.0	180.0

PROJECTS IN THE RURAL ELECTRIFICATION PROGRAMME EXPENDITURE—(Contd.)

K£'000

Project Name and Number	1978/79	1979/80	1980/81	1981/82	1982/83	Total
14144444000012 Rural Electrification: Mto Andei .. .. .	50.0	—	—	—	—	50.0
14144444000013 Rural Electrification: Sultan Hamud .. .. .	—	50.0	—	—	—	50.0
14144446000014 Rural Electrification: Kinaru/ Maua/Nkubu .. .. .	—	100.0	50.0	—	—	150.0
14144446000015 Rural Electrification: Timau ..	—	50.0	—	—	—	50.0
14144452000016 Rural Electrification: Mandera	135.0	—	—	—	—	135.0
14144453000017 Rural Electrification: Wajir ..	—	50.0	100.0	—	—	150.0
14144461000018 Rural Electrification: Irianyi ..	60.0	—	—	—	—	60.0
14144461000019 Rural Electrification: Nyamira	—	35.0	—	—	—	35.0
14144464000020 Rural Electrification: Kendu Bay	—	—	100.0	—	—	100.0
14144464000021 Rural Electrification: Migori ..	80.0	—	—	—	—	80.0
14144464000022 Rural Electrification: Oyugis ..	—	100.0	—	—	—	100.0
14144481000023 Rural Electrification: Eldama Ravine/Londiani .. .. .	—	125.0	125.0	—	—	250.0
14144473000024 Rural Electrification: Rumuruti	135.0	25.0	—	—	—	160.0
14144484000025 Rural Electrification: Maralal	50.0	150.0	170.0	—	—	370.0
14144477000026 Rural Electrification: Tambach	—	45.0	—	—	—	45.0
14144486000027 Rural Electrification: Kapenguria	—	—	—	120.0	—	120.0
14144491000028 Rural Electrification: Kimilili/ Malakisi .. .. .	25.0	50.0	75.0	—	—	150.0
14144492000029 Rural Electrification: Busia ..	60.0	100.0	—	—	—	160.0
14144492000030 Rural Electrification: Hamisi ..	—	—	—	—	130.0	130.0
14144493000031 Rural Electrification: Vihiga ..	80.0	55.0	—	—	—	135.0



**Geothermal**

In the next five to six years, further exploration on geothermal potential of the country will be carried out in areas other than Olkaria. This will involve a total capital outlay of about K£2 million. Exploration of the existing potential will include construction of one 15 MW station at Olkaria which is planned for completion in mid-1981 at a cost of some K£12 million, followed by another 15 MW station the following year at an additional cost of K£8 million.

**PROJECTS IN GEOTHERMAL PROGRAMME**

K£'000

Project Name Number	Year of Completion	Project	Capacity	Capital
14244470052501 .. ..	1981	Olkaria	15MW	12,000
14244470052502 .. ..	1985	Olkaria	15MW	8,000

## 15. MINISTRY OF LABOUR

Development Expenditure of the Ministry of Labour falls under the following programmes:—

1. Industrial Relations.
2. Industrial Training.

MINISTRY OF LABOUR, TOTAL EXPENDITURE AND FINANCE, 1978/79–1982/83

K£'000

	1978/79	1979/80	1980/81	1981/82	1982/83	Total
<b>Recurrent Expenditure</b>						
General Administration .. ..	209	229	249	247	284	1,218
Industrial Relations .. ..	662	727	788	857	899	3,933
Employment Services .. ..	135	148	160	175	184	802
Industrial Training .. ..	514	564	611	665	698	3,052
N.S.S.F. .. ..	910	999	1,083	1,178	1,236	5,406
<b>SUB-TOTAL</b> .. ..	<b>2,430</b>	<b>2,667</b>	<b>2,891</b>	<b>3,122</b>	<b>3,301</b>	<b>14,411</b>
<b>Development Expenditure</b>						
Industrial Relations .. ..	194	258	258	330	412	1,452
Industrial Training .. ..	350	465	465	596	745	2,621
<b>SUB-TOTAL</b> .. ..	<b>544</b>	<b>723</b>	<b>723</b>	<b>926</b>	<b>1,157</b>	<b>4,073</b>
<b>GROSS EXPENDITURE</b> .. ..	<b>2,974</b>	<b>3,390</b>	<b>3,614</b>	<b>4,048</b>	<b>4,458</b>	<b>18,484</b>
Estimated Foreign Finance .. ..	—	1,400	600	500	—	2,500
Estimated Local Finance .. ..	2,974	1,990	3,014	3,548	4,458	15,984

### Industrial Relations Programme

Under this programme, new Industrial Relations offices will be opened in various parts of the country. Besides registering the unemployed, these offices will operate in full co-operation with the employers in the placement of job seekers. They will also serve, as information centres, on matters relating to job opportunities.

TOTAL EXPENDITURE AND FINANCE, 1978/79–1982/83

K£'000

	1978/79	1979/80	1980/81	1981/82	1982/83	Total
<b>Recurrent Expenditure</b> .. ..	662	727	788	857	899	3,933
<b>Development Expenditure</b> .. ..	194	258	258	330	412	1,452
<b>TOTAL EXPENDITURE</b> .. ..	<b>856</b>	<b>985</b>	<b>1,046</b>	<b>1,187</b>	<b>1,311</b>	<b>5,385</b>

PROJECTS IN THE PROGRAMME

K£'000

Project Description	1978/79	1979/80	1980/81	1981/82	1982/83	Total
151 484 000 000 00 Office of the Labour Commis- sioner .. .. .	194	258	258	330	412	1,452

**Industrial Training Programme**

The Industrial Training Programme is designed to train personnel in industrial arts and skills required by industries. The programme will continue to absorb a portion of the school-leavers, and thus contribute to the national effort to ease the problems of skilled manpower and unemployment.

TOTAL EXPENDITURE AND FINANCE, 1978/79-1982/83

K£'000

	1978/79	1979/80	1980/81	1981/82	1982/83	Total
Recurrent Expenditure ..	514	564	611	665	698	3,052
Development Expenditure ..	350	465	465	596	745	2,621
<b>GROSS EXPENDITURE ..</b>	<b>864</b>	<b>1,029</b>	<b>1,076</b>	<b>1,261</b>	<b>1,443</b>	<b>5,673</b>

PROJECTS IN THE PROGRAMME

K£'000

Project Description	1978/79	1979/80	1980/81	1981/82	1982/83	Total
153 501 000 000 00 National Industrial Training Centres .. .. .	350	465	465	596	745	2,621

## 16. MINISTRY OF TOURISM AND WILDLIFE

The Ministry of Tourism and Wildlife is responsible for tourism industry promotion in Kenya as well as in other countries. The Ministry is also charged with the responsibility of developing and conserving wildlife and fisheries resources in the country. During the plan period several roads will be constructed in the Tourist Roads Phase IV Programme. Efforts to expand the tourism industry to cover other countries formerly not reached will be strengthened. The anti-poaching efforts will also be enforced during the plan period.

MINISTRY OF TOURISM AND WILDLIFE, TOTAL EXPENDITURE AND FINANCE, 1979-83

K£'000

	1978/79	1979/80	1980/81	1981/82	1982/83	Total
<b>Recurrent Expenditure</b>						
General Administration and Planning .. .. .	625	655	700	743	811	3,534
Tourism Services .. .. .	1,338	1,120	1,106	1,130	1,160	5,854
Wildlife Conservation and Management Services ..	4,016	4,854	5,019	5,333	5,337	24,559
Fisheries Development ..	983	1,081	1,206	1,301	1,406	5,977
<b>Total Recurrent Expenditure</b>	<b>6,962</b>	<b>7,710</b>	<b>8,031</b>	<b>8,507</b>	<b>8,714</b>	<b>39,924</b>
<b>Development Expenditure</b>						
General Administration and Planning .. .. .	1,577	1,483	1,357	333	419	5,169
Tourism Services .. .. .	592	771	781	798	720	3,662
Loans and Grants to Tourism Industry .. .. .	665	1,774	1,816	897	745	5,897
Wildlife Conservation and Management Services ..	6,070	5,912	5,942	6,101	6,139	30,164
Fisheries Development ..	632	849	802	830	1,000	4,113
<b>Total Development Exp.</b>	<b>9,536</b>	<b>10,788</b>	<b>10,698</b>	<b>8,978</b>	<b>9,055</b>	<b>49,055</b>
<b>Total Expenditure ..</b>	<b>16,498</b>	<b>18,499</b>	<b>18,729</b>	<b>17,446</b>	<b>17,737</b>	<b>88,929</b>
Estimated Foreign Aid ..	5,031	4,532	4,165	2,426	2,032	18,186
Local Finance .. .. .	11,467	13,967	14,564	15,040	15,705	70,743

### Headquarters and Administrative Services Programme

Tourist Roads Phase IV and new roads in National Parks are important projects that will be undertaken during the plan period. The Ministry facilities at the show ground will be expanded during the plan period in line with the