

Mombasa Pipeline Board

Report and Accounts

for

Financial Year Ending

30th June 1969

Mombasa Pipeline Board, P.O. Box 30521, Nairobi, Kenya. 30th January 1970.

THE MINISTER FOR AGRICULTURE, GOVERNMENT OF KENYA, P.O. Box 30126, NAIROBI.

Sir,

As required by Part IV, section 13 (4), of the Mombasa Pipeline Board Act No. 19 of 1957, I have the honour to submit the Report and Annual Accounts of the Board for the Financial Year ended 30th June 1969.

I have the honour to be,
Sir,
Your obedient servant,
V. G. MATTHEWS,
Chairman,
Mombasa Pipeline Board.

KENYA NATIONAL ASSEMBLY

Accession: 10013246

Call No: 657-3 MPB



MOMBASA PIPELINE BOARD REPORT AND ACCOUNTS FOR THE FINANCIAL YEAR ENDED 30th JUNE 1969

Constitution of the Board

During the year under review, the Board was constituted as follows: —

Chairman

V. G. Matthews, Esq., C.M.G., O.B.E., B.Sc.

Vice-Chairman

Johnson Mweru, Esq.

Members

The Permanent Secretary Ministry of Agriculture, Government of Kenya.

The Permanent Secretary, Ministry of Works, Government of Uganda.

J. Musembi, Esq., East African Railways and Harbours Administration.

The Hon. Rockie Mchinga, M.P.

The Deputy Director (Agriculture), Ministry of Agriculture, Government of Kenya.

E. T. Mwamunga, Esq. (until 4th February 1969).

Councillor A. N. Mwidau, Mombasa Municipal Council (from 4th February 1969).

Councillor Isaac K. Ndirangu, Esq., Mombasa Municipal Council (until 4th February 1969).

P. Mwangola, Esq., Railway Corporation H.Q., Nairobi (from 4th February 1969).

Secretary

O. S. Cege, B.E. (Civil), D.I.C., Director of Water Development, Government of Kenya.

Systems Operated

It is gratifying to be able to report that during the year the pipelines from Mazeras to Kilifi and from the Mrere main pipeline to (a) Likoni and (b) Diani, both via Kaya Bombo came into operation. These installations were formally opened on the 5th March 1969 by the Permanent Secretary, Ministry of Agriculture in the absence of the Minister who was engaged on State matters elsewhere on that day. The opening of these new water supplies is likely to be the prelude to considerable development both along the South Mainland coast and in the area between Mazeras and Kilifi. The Mazeras/Kilifi pipeline has a capacity of 350,000 gallons per day while the flow capacity of the Mrere pipeline supplying the South Coast is 450,000 gallons per day. This latter pipeline proceeds to a reservoir of 250,000 gallons capacity on Kaya Bombo Hill and from there a branch pipeline proceeds north to Likoni and another south to Diani.

The installations being operated prior to these new additions are the Mzima/Mombasa pipeline with a capacity of 8 million gallons per diem, piping water to Mombasa by gravity flow from the Mzima Springs 140 miles to the northwest, the main Mrere pipeline with a capacity of some 2 million gallons per diem piping water 27 miles from the Shimba Hills to Mombasa via Changamwe and now to Likoni and Diani via Kaya Bombo and finally the North Mainland pipeline some 12 miles in length with a capacity of 775,000 gallons per day which taps the Mzima/Mombasa pipeline just below Mazeras and which supplies the mainland north of the Tudor Creek as far as Shimo-la-Tewa.

In addititon to the pipelines listed above there are storage reservoirs serving the various systems. These are (a) a battery of three storage reservoirs at Mazeras on the Mzima system with a total capacity of 18 million gallons, (b) two storage tanks for the North Mainland system at Nguru Tatu with a combined capacity of 1 million gallons, (c) the recently added reservoir at Kaya Bombo with a capacity of quarter of a million gallons and finally three new reservoirs of 100,000 gallons capacity each, situated at Ribe, Kaloleni and Mikirani location serving the Mazeras/Kilifi system.

In addition to these storage reservoirs there are service reservoirs at Changamwe where the waters of the Mrere and Mzima systems meet and are mixed. As far as the Mombasa Water Supply is concerned this is the point at which the Board sells water in bulk to the Water Undertaker, i.e the Director of Water Development. In the case of the North-Mainland scheme the metering system is located below the Nguu Tatu reservoirs.

There are a number of minor water supplies from connexions along the Mzima/Mombasa and the Mrere pipelines which are operated by the Director of Water Development. These supplies are listed in the "Statement of Water Supplied" in the accounts at the end of this report. They operated satisfactorily and without incident throughout the year.

The Annual Report for 1967/68 referred to disappointing progress in the installation of supplies along the South Mainland coast area and to Kilifi and Sokoke on the North Mainland. As stated above however, strenuous efforts by all concerned and in particular the Water Development Department have resulted in the new supplies being completed and put into operation during the year under review. As far as the northern extension is concerned, it was decided to complete only phase I, i.e. from Mazeras to Kilifi as the economics of Phase II, viz. the further extension to Sokoke needed re-examination in the light of changed circumstances. The new supplies have been in operation since March 1969 and the Board's bulk pipelines are working satisfactorily. Unfortunately adequate distribution arrangements for the population centres en route are yet to be installed, particularly in respect of the Mazeras/Kilifi pipeline so that sales of water have been substantially below estimates. This has given the Board cause for serious concern and representations to have the unsatisfactory position rectified have been made.

The Mombasa Pipeline Board administers the projects herein described under the authority of the Mombasa Pipeline Board Act (No. 19 of 1957) which makes the Board responsible in the discharge of its functions to the Minister for the time being in charge of water. During the year under report this was the Minister of Agriculture.

The actual operation and maintenance of the systems is undertaken by the Director of the Water Development Division, Ministry of Agriculture, Government of Kenya, acting as the Board's specifically appointed agent. The fees for these services are calculated in accordance with an agreed formula.

The plan at Appendix I shows the layout of the systems operated by the Board.

Finance

(a) Capital Account

The capital at charge on the 1st July 1968 was K£5.334 million made up as follows:—

- (a) Mzima system—K£4.818 million.
- (b) Mrere system—K£47.235.
- (c) North Mainland system—K£179.922.
- (d) The South Mainland system and the Mazeras/Kilifi system— K£289.009.

The capital is wholly borrowed or loan capital, the creditors being the Government of Kenya for projects (a), (b) and (c) and the East African Railways and Harbours Corporations, Barclays Bank D.C.O., the National and Grindlays Bank and the Standard Bank in respect of project (a) only. The three Banks loaned as a consortium a total of £K1,350,000, the repayment of which is guaranteed by the Government of Kenya. This loan is covered by an issue of Registered Bonds. The loans and guarantee by the Government of Kenya are secured by a Debenture issued to the Government by the Board. The new South Mainland project and the Mazeras/Kilifi project have been financed partly by a loan made by the Israeli Government to the Kenya Government and re-lent to the Board, partly by a loan from the British Government and partly from the Board's own resources. The terms of the Israeli loan are interest at 6 per cent and a period of seven years. In recognition of the fact that seven years is an impossibly short life in respect of projects of this kind, the Government of Kenya extended the period to 25 years when on-lending to the Board. Even 25 years is a short period in relation to such projects and has had its effects in the charges which have necessarily had to be made to the consumers for the water from these new supplies. Of this 25-year term two years have been taken up in construction. Over this period the Board was required to pay interest, capitalization of interest in this period not being permitted. The loan is to be repaid over the remaining 23 years in equated instalments. The same terms apply to the British Government loan. The bulk charge for these new regimes is Sh. 7/50 per 1,000 gallons resulting in a charge of Sh. 9 per 1,000 gallons to the consumer.

The Mrere project and the North Mainland project were financed by loans from the Government of Kenya. These are being repaid by equated instalments of interest and capital, repayment having commenced in 1958 and 1962 respectively.

The loan of K£500,000 made to the Mzima/Mombasa project by the Railways and Harbours Administration (now the separate Railway Corporation and the Harbours Corporation) fell due for repayment on the 31st of December 1967. Fortunately the Administration has found it possible to extend the period of the loan from time to time and as matters now stand repayment was to have been required on the 31st December 1969. At the time of printing this report negotiations for a further extension are in progress and there seems some chance of

success. In view of the Board's other heavy capital repayment commitments, it will not be possible for the Board to repay this amount in the event of failure of the negotiations and in that event it will be necessary for the Government of Kenya to intervene as in the case of the £1 million Uganda loan which was repaid by the Government of Kenya and which then became a creditor of the Board to this further extent. This latter loan stands at 6 per cent and is repayable on 1st March 1975.

In respect of the Mzima system it is proposed that the final redemption of the balance of the loans then outstanding shall be effected in 1995 when the assumed 40-year life of the major asset expires. To cover the period between that year and the dates when the original loans fell due for repayment, the policy has been to negotiate renewal of the original loans. In this the Board has been so far successful in relation to the Banks' loan of £1,350,000 which fell due for repayment on the 1st July 1965 and the Railways and Harbours loan which originally fell due for repayment on 31st December 1967. Loans totalling £2,170,000 made by the Government of Kenya in respect of the Mzima/Mombasa project fell due for repayment partly on the 31st December 1968 and partly on the 1st January 1969. Negotiations for extension of these loans are in progress. In the meantime the loans continue to be held by the Board on the original terms.

The negotiations to renew the Banks' loan of £1,350,000 resulted in an agreement under which the Board is repaying the loan by ten annual equated instalments, commencing on the 1st July 1966, the interest rate being 7 per cent. These instalments amount to £192,150 each and as with the capital repayments on the Mrere, North Mainland and the new projects financed from the Israeli and British loans the instalments including the capital element are being financed from the Board's revenue. This inevitably results in a slowing down in the building up of the Reserve Fund which is in effect the Board's Sinking Fund. Conversely, of course, the Reserve Fund will be relieved of the necessity of finding the full capital cost of all the installations in 1995. The repayment to the Banks will be completed by the 1st July 1975.

- (i) Capital repayments during the year were as follows:—
 - (a) Mzima system-K£111,799.
 - (b) Mrere system—K£2,841.
 - (c) North Mainland system—K£6,184.
- (ii) The Capital remaining at charge at the end of the year on the 30th June 1969, was £K5.285 million made up as follows:—
 - (a) Mzima—K£4.706 million.
 - (b) Mrere—K£44,394.
 - (c) North Mainland-K£173,738.
 - (d) New Construction (Mazeras/Kilifi and South Mainland installations) K£360,970.

(b) Revenue

The Board's recurrent revenue accrues mainly from the bulk sale of water. Conscious of the fact that high water charges can be inhibitive of development, it has always been the Board's policy to keep the water charges within its various regimes as low as possible. However, in common with every other similar organization in the world, the Board is under the constant pressure of rising costs and

it was therefore reluctantly compelled to raise the water charge from Sh. 4/10 per 1,000 gallons for Mombasa Island and District to Sh. 4/60 per 1,000 gallons and for North Mainland system from Sh. 4/50 per 1,000 gallons to Sh. 5. This change took effect from October 1968.

Below are set out the comparative figures of consumption and revenue for the year ended the 30th June 1968 and for that ended the 30th June 1969.

YEAR ENDED 30th JUNE 1968

Mombasa and	DISTRICT	North Man	NLAND
Consumption (million gallons)	Revenue K£	Consumption (million gallons)	Revenue K£
2,083	426,914	189	38,673

YEAR ENDED 30th JUNE 1969

Mombasa and	DISTRICT	North Main	ILAND
Consumption (million gallons)	Revenue K£	Consumption (million gallons)	Revenue K£
2.153	479,147	217	44,206

Thus for both these systems the year under report disclosed a significant increase in consumption over the previous year. The revenue increased more than *pro rata* to the increase in consumption in view of the increase in the bulk rate from Sh. 4/10 per 1,000 gallons to Sh. 4/60 with effect from October 1968.

The new South Mainland system and the Mazeras/Kilifi system came into operation during the course of the year. There can be no comparison therefore with any previous year. The actual consumption and revenue figures were:—

SOUTH MAINLAND

Consumption (gallons)	Revenue K£
20,221,000	7,583
	**

MAZERAS—KILIFI

Consumption	Revenue
(gallons)	K£
4,907,100	1,840

These figures are substantially below prediction particularly in regard to the Mazeras/Kilifi section. The failure of consumption to come up to expectation results from a factor entirely outside the Board's control and one which no planner could have taken into account. This is the non-provision of adequate distribution reticulation to enable the Board's water to reach the consumer.

(c) Expenditure

The Board's outgoings fall under three headings: —

- (i) The service charges on and repayments of the outstanding capital loans.
- (ii) Fees paid to the Directorate of Water Development in respect of the operation and maintainance of the Board's installations.
- (iii) The costs of the Board and its staff.

These for the year under review totalled respectively: -

- (i) K£415,625.
- (ii) K£80,517.
- (iii) K£4,257.

The sum total of these three items is £500,399. Item (iii) Costs of the Board and its staff represented only 4/5ths of 1 per cent of the total. This must be regarded as a very small overhead considering the magnitude of the Board's installations and the complexity of the administrative problems involved.

(d) Financial Results for the Year.

The sum total of revenue from the bulk sale of water for the year was K£532,776. To this must be added certain miscellaneous revenue such as house rents (from the Board's buildings occupied near site, principally by staff of the Water Development Division) and interest on investments. These items totalled K£19,588 bringing the overall revenue to K£552.364. Consequently notwithstanding the repayment of capital to the amount of K£120,824 and the financing of capital works to the extent of K£90,140 the Board ended the year with a surplus on revenue account of K£51,968. This compares with a deficit on the same account in the preceding year of K£5,007. This surplus being carried to the Reserve Fund brings this to a total of K£307,933 as at 1st July 1969. The long-term function of the Reserve Fund is that of a Sinking Fund to permit the ultimate extinction of the outstanding loan debt. In the short term it represents to the Board the only sure source of finance in the case of emergency spending. It is essential therefore that this Fund be kept at a healthy level.

The surplus resulting from the 1968/69 operations represents a welcome addition to the Reserve Fund which now stands at a more satisfactory level. It will be seen from the accounts that this level is well below that required by an orthodox Sinking Fund exercise but long-term forecasts indicate reasonably firmly that by the early 1990's the theoretically required level will be achieved and thereafter substantially surpassed. In the meantime as already stated annual repayments of capital have been in progress from 1958. These repayments were augmented in 1962 and substantially augmented in 1965.

(e) Operations of the Systems

(i) The Mzima Pipeline

This pipeline is the major of two pipelines serving Mombasa, the other being the Mrere pipeline from the Shimba Hills. The Mzima pipeline consists of a 130-mile-long prestressed concrete gravity pipeline from the source at Mzima Springs in Tsavo National Park to Mazeras. Along this length of pipeline there are ten Break Pressure Tanks and the flow is controlled automatically by valves operating on the downstream control principle. The water is conducted from the Mazeras reservoirs to the service reservoirs at Changamwe by twin pipes. It is here sold by the Board in bulk to the Water Undertaker and reticulated to Mombasa. The maximum capacity of the pipeline in optimum conditions is eight million gallons per diem.

As was reported in the preceding annual report, a series of bursts in the pipeline gave serious cause for concern and a firm of consultants was appointed to examine the effectiveness of the Cathodic Protection System. The report of the consultants has been received and it would appear that the fear of widespread corrosion in the pipeline was unfounded. Nevertheless, it is the opinion of the consultants that the Cathodic Protection System is ineffective in protecting the pipeline and

moreover, it is unlikely to be effective in the conditions in which the pipeline is laid. It would appear that the bursts which had been so frequent in the preceding year had been occasioned by pre-existing weakness in individual pipes. The Water Development Division of the Ministry of Agriculture as the Board's agent is undertaking a pipe inspection at selected points to check the present position in this regard. In the meantime and in view of the expert opinion, expenditure on the rehabilitation of the Cathodic Protection System has been stopped.

The question of the ultimate supplementation of the present water supply to Mombasa by a source alternative to the Mzima Springs received further examination during the course of the year. A detailed water study was started together with a preliminary review of alternative water sources which included examination of the Pemba River in the Shimba Hills. At the time of writing this report further studies are in hand with a view to proving the potentiality of a dam on this river.

(ii) North Mainland Pipeline

This pipeline conveys Mzima water from the reservoirs at Mazeras to the mainland north of Mombasa, including the Nyali, Bamburi and Shimo-la-Tewa areas. From its source at Mazeras to the storage reservoirs at Nguu Tatu is a distance of 12 miles.

Reference was made last year to the anxiety occasioned by this pipeline in view of the unstable nature of the terrain through which it passes and the liability of frequent fractures to the line, particularly in monsoon conditions. The growing development in the area served by the pipeline, made it necessary for the Board to take measures to ensure that interruptions in supply should be minimized and if possible eliminated altogether. In the event it was decided to carry a pipeline over the Nyali Bridge to be supplied by the Mombasa Island mains. Although this device has been adopted to supply water to the affected area in an emergency the pipeline could also be used to supplement continuously the present supply when demand outruns the capacity of the present main pipeline. During the course of the year the pipe was in process of being laid across the Nyali Bridge and directly this work and that on installing the pump house on the Nyali side of the bridge is complete, the system will be ready for use. Completion is expected shortly.

(iii) The Mrere Pipeline

In the annual report for the year ended 30th June 1968 reference was made to the great importance which the Board attaches to the maintaining of the Mrere pipeline to a high degree of operational efficiency. The Board is conscious of the unavoidable vulnerability of the Mzima supply and its conducting system and therefore of the important role the Mrere system must play in any prolonged interruption of the Mzima supply. Moreover the Mrere System has now become the source of water supplying the whole of the South Mainland coast from Likoni to Diani. For this reason the Board has voted considerable sums for the improvement of the headworks and intakes, for the restoration of the pipeline itself where necessary and the maintenance of the service road to a high standard. On the advice of the Director, Water Development Division, the Board accepted a scheme for treatment and chlorination at the headworks. The equipment for this exercise comprising clariflocculators, chemical dosing gear, generators, etc., has now arrived and construction of the works will start shortly.

The pipeline itself which is 27 miles long and concrete lined was checked at vital points and a programme of replacing corroded sections initiated. The first phase of this programme is expected to cost £10,000. On the whole the system

worked well throughout the year, the intake delivering some two million gallons per diem of which some 160,000 gallons per diem is at present used to supply the South Mainland coast. The balance is conducted to the service reservoirs at Changamwe and mixed with Mzima water prior to reticulations into the Mombasa Water Supply.

(iv) The Mazeras Reservoirs

These comprise a battery of three pre-stressed concrete tanks each with a capacity of six million gallons. They represent the first line of defence against a shortage of water in Mombasa in the event of a rupture in the main Mzima/Mombasa pipeline. In the event of an interruption prolonged enough to empty these reservoirs and any residual storage capacity at Changamwe, Mombasa would have to depend on the Mrere supply which while well below Mombasa's full needs would avert the calamity of no water at all. No such alternative is available to the North Mainland system or the Mazeras/Kilifi system and in the event of a prolonged break between Mzima and Mazeras an appropriate proportion of the Mazeras storage would be reserved for these systems.

(v) The Changamwe Reservoirs

There are six reservoirs at Changamwe having a total capacity of 6.5 million gallons. Although the prime function of these reservoirs is to service the Mombasa Water Supply, the 6.5 million gallons capacity provides a further safeguard against interruption of the water supply following a failure of the conducting system. The year under report saw the completion of the work in renewing the roofs of two reservoirs at a cost of £7,000. The reservoirs have functioned smoothly throughout the year.

(vi) Secondary Water Supplies

These secondary water supplies are set out in the "Statement of Water Supplied" in the accounts forming part of this report. They operated successfully throughout the year.

(vii) New Development

As stated elsewhere in this report the pipeline from Mazeras to Kilifi and the pipelines along the South Mainland Coast via Kaya Bombo were virtually completed during the year and the supplies inaugurated. Since inauguration the bulk supply systems have functioned smoothly. The Board has certainly been disappointed however, in the actual consumption level particularly in respect of the Mazeras to Kilifi pipeline. As stated above the failure of this level to approach prediction has resulted from something outside the Board's control, viz. the non-provision of an adequate distribution system to enable the water to reach potential consumers. This means that large numbers of people long denied a potable water supply are regrettably still to be so denied, in spite of the water being now available. The Board is making the necessary representations in the matter.

V. G. MATTHEWS, Chairman Mombasa Pipeline Board.

Nairobi, 30th January 1970.

CERTIFICATE OF THE CONTROLLER AND AUDITOR-GENERAL, KENYA, ON THE ACCOUNTS OF THE MOMBASA PIPELINE BOARD FOR THE YEAR ENDED 30th JUNE 1969

Revenue Account	 	Statement No. 1
Net Revenue Account	 	Statement No. 2
Net Revenue Appropriation Account	 	Statement No. 3
Capital Account	 	Statement No. 4
Balance Sheet	 	Statement No. 5
Statement of Water Supplied	 	Statement No. 6

The above accounts have been examined in accordance with Section 13 of the Mombasa Pipeline Board Act, (Cap. 373). I have obtained all the information and explanations I have required and as a result of my audit, I certify that in my opinion the accounts are correct subject to the following comments:—

- (i) I have not seen the Minister's approval for extending beyond 31st October 1969, the period of submission by the Board of the signed accounts for audit.
- (ii) The profit of £6,279.15.34 on redemption of certain investments reflected in the Net Revenue Account and the investments with the Crown Agents of £65,538.3.68 shown in the Balance Sheet are expressed in predevaluation figures.

D. G. NJOROGE, Controller and Auditor-General.

Nairobi, 9th February 1970.

REPLY BY THE MOMBASA PIPELINE BOARD TO THE COMMENTS OF THE CONTROLLER AND AUDITOR-GENERAL

- (i) The Minister's approval to the extension of the time limit has since been obtained, and has been conveyed to the Controller and Auditor-General.
- (ii) Both the profit and the investments with the Crown Agents are expressed in British Sterling and as these amounts have not been repatriated adjustment does not appear to be called for.

V. G. MATTHEWS, Chairman, Mombasa Pipeline Board.

Nairobi, 12th February 1970.

REVENUE ACCOUNT FOR THE YEAR ENDED 30th JUNE 1969

1967/68	EXPENDITURE		1967/68	INCOME	
K£ s. cts. 1,750 0 00 52 16 05 141 14 25 260 13 80 152 10 60 25 0 00 38 13 45 171 4 00	To Pipeline Board—Head Office: Chairman's Remuneration . 2,687 9 80 Cost of Official Entertainment 194 2 05 Incidental Expenses 618 14 20 Travelling Expenses and 279 1 75 Expenses of Audit 65 Maintenance and Running Expenses of Audit	K£ 5. C15.	K£ s. cts. 465,586 14 15 726 14 65 542 4 65	By ACCRUED REVENUE FOR YEAR: Sale of Water 532,776 6 15 Meter Rents 720 11 15 Sale of Water 733,44	K£ 5, cts. 533,496 17 30 730 4 85
2,592 12 15	To MAINTENANCE AND OPERATION OF PIPELINES: Reimbursement to the Ministry of Agriculture— (ii) Main Pipelines (iii) North Mainland Scheme (iii) Mrere/Kaya Bombo Scheme (iv) Mazeras/Sokoke	00 71 004			
8,717 16 30 10,506 17 35 387,989 6 10	Extraordinary Maintenance 9,390 18 45 and Renewals 10,636 4 90 Hire Charges of Vehicles 10,636 4 90 Balance carried to Net Revenue Account	80,516 12 75 449,453 17 10		State 250	
K£466,855 13 45	K£	K£ 534,227 2 15 466,855 13 45	466,855 13 45	K£ 534,227	,227 2 15

NET REVENUE ACCOUNT FOR THE YEAR ENDED 30th JUNE 1969

	K£ s. cts. 449,453 17 10 12,286 3 50 6,279 15 34 135,675 13 51	K£ 603,695 9 45
OME	K£ s. cts. 449,453 17 10 4,278 3 25 8,008 0 25	K£
INCOME	By Balance Brought from Revenue Account By Inverses Receive: Reserve Investments Cash Balances Profit on Redemption of Investments Profit on Redemption of Investments Provision for Loan Redemption carried to Net Appropriation Account Balance being net operating Loss carried to Net Revenue Appropriation Account	
1967/68	K£ s. cts. 387,989 6 10 1,986 14 20 7,986 14 20 135,675 13 51 5,007 10 05	538.646 0 66
	K£ s. cts. 294,800 13 90 120,824 1 93 135,675 13 51 52,395 0 11	3,695 9 45
ITURE		K£ 603.695
EXPENDITURE	To Interest Charges: Kf. 1.05.	
1967/68	K£ 5. cts. 80,350 10 30 8,913 4 65 26,236 6 05 102,154 2 20 1,998 13 20 11,519 1 58 46,794 10 70 11,972 3 40 2,731 12 35 5,814 12 72 104,485 10 00 135,675 13 51	K F538 646 0 66

NET REVENUE APPROPRIATION ACCOUNT FOR THE YEAR ENDED 30th JUNE 1969

CONTROL OF THE PERSON NAMED AND ADDRESS OF THE PERSON NAMED IN CONTROL OF THE PERSON NAMED IN		Of State of			
1967/68	EXPENDITURE		1967/68	INCOME	
K£ s. cts.		K£ s. cts.	K£ s. cts.	K£	K£ s. cts.
916,967 19 85	To Balance as at 1st July 1968 Balance brought from Net Revenue Account	1,074,809 8 56		By Transfer from Net Revenue 52,399	52,395 0 11
5,007 10 05 17,158 5 15	Transfer from Net Revenue Account Financing the cost of rehabilitating the		1,074,809 8 56	1,074,809 8 56 Balance as at 30th June 1969 1,176,269 10 31	59 10 31
	Mzima/Mrere and North Mainland Scheme installations and contribution				
	towards construction of Mrere/Kaya Bondo and Mazeras/Sokoke Schemes	18,179 8 35			
K£1,074,809 8 56	K£	K£ 1,228,664 10 42 1,074,809 8 56	1,074,809 8 56	K£ 1,228,664 10 42	64 10 42

LOAN REDEMPTION FUND STATEMENT OF FUND FOR THE YEAR ENDED 30th JUNE 1969

1967/68	EXPENDITURE		1967/68	INCOME	
K£ s. cts. 1,356,756 15 10 Balance as at	30th June 1969	1,492,432 8 61	K£ s. cts. 1,221,081 1 59 135,675 13 51	1,492,432 8 61 1,221,081 1 59 Elalance as at 1st July 1968	K£ s. cts. 1,356,756 15 10 135,675 13 51
K£1,356,756 15 10		K£ 1,492,432 8 61 1,356,756 15 10	1,356,756 15 10		K£ 1,492,432 8 61

STATEMENT OF INVESTMENTS AS AT 30th JUNE 1969

Ouotation Aiddle Market as at 30th June Value)	£ s. d. 22,983 7 09 2,056 3 07	37,274 1 04	62,313 12 08
Quotation (Middle Market Value)	Per cent 934 63	913	
Cost Price	20,738 11 03 3,229 7 03	41,570 5 02	65,538 3 08
Amount of Stock	24,647 1 03 3,263 15 07	40,737 15 08 41,570 5 02	68,648 12 06 65,538 3 08
Nature of Stock		bours 1975 8½ per cent	

CAPITAL ACCOUNT FOR THE YEAR ENDED 30th JUNE 1969

year 30th June 1969	s. cts. K£ s. cts. 1,350,000 0 00 500,000 0 00 2,170,000 0 00 70,277 0 00	210,000 0 00 1,000,000 0 00 9 40 178,831 15 85	4 30 182,138 11 10 3 70 5,661,247 6 95	3,731 0 57 1,589 0 00	2,750 0 00 180 3 00	8,250 3 57	8 35 55,578 10 43	K£ 5,725,076 0 95
Received during the year	K£ s.	32,084	39,876 1				18,179	
Loans as at 30th June 1968	K£ s. cts. 1,350,000 0 00 500,000 0 00 2,170,000 0 00 70,277 0 00	210,000 0 00 1,000,000 0 00 146,747 6 45	142,261 16 80 K£ 5,589,286 3 25	3,731 0 57 1,589 0 00	2,750 0 00 180 3 00	8,250 3 57	37,399 2 08	
INCOME	By Loans Raised: Bank Loans E.A.R. & H. Loan Kenya Loan—Mrere Supply Kenya Loan—Morth Mainland		Scheme Total Loans Raised K£	CAPITAL RECEIPT: Sale of Assets Recovery of Damaged Valves	Contribution from the Admiraty for the North Mainland Scheme Refund of Consultant's Fees	Total Capital Receipts K£	Contribution from Net Revenue Appropriation Account for the rehabilitation of the Mzima/ Mrere and North Mainland Scheme installations and contribution towards construction of Mrere/Kaya Bombo and Mazeras/Sokoke Schemes	
Total to 30th June 1969	K£ s. cts. K£ s. cts. 3.248 12 80 5,138,570 8 66 14,286 4 10 224,777 19 99	182,450 14 50						K£ 5,725,076 0 95
Expenditure during the year	3,248 12 80 14,286 4 10 32 416 17 45	40,188 17 70	0,110,100					K£
Assets as at 30th June 1968	K£ s. cts. 5,135,321 12 86 210,491,15 89	ne 142,261 16 80						
EXPENDITURE	Instal-	Mazeras/Sokoke Scheme (Work in Progress)	:					

BALANCE SHEET AS AT 30th JUNE 1969

1967/68	LIABILITIES		1968/69	ASSETS	
K£ s. cts.	K£ s. cts.	K£ s. cts.	K£ s. cts.		K£ s. cts.
5,334,030 9 71	Outstanding 5,285,167 11 48		5,634,935 8 90	CAPITAL ACCOUNT: Capital Expenditure as per Capital Account 5,725,076 0 95	5,725,076 0 95
23,042 2 04	doan, Mrere Sup-				
30,078 1 50	oan, North				
202,135 10 00	Mainland Scheme 36,261 16 08 Bank Loans 313,934 19 70				
5,589,286 3 25	Capital Receipts	3,661,247 6 95	<u> </u>		
7	Contribution from Net Revenue Appro- priation Account	55.578 10 43			
5,634,935 8 90		5,725,076 0 95 5,634,935 8 90	5,634,935 8 90		5,725,076 0 95
1,221,081 1 59	KEVENUE ACCOUNT: Loan Redemption Fund as		1,074,809 8 56	REVENUE ACCOUNT: Net Revenue Appropriation Account	1,176,269 10 31
135,675 13 51	Add: Provision for 1968/ 135,675 13 51 1,492,432	1,492,432 8 61	59,258 8 34 50,727 17 45	Investments—Crown Agents* Sundry Debtors	65,538 3 68 55,801 14 60
126,877 17 80	Sundry Creditors	160,069 17 23	00 0 000,06	Cash: K£ s. cts. On deposit with Cereals	
			208,838 18 55	and Sugar Finance Corporation 190,000 0 00 At Bank 164,892 17 25	354,892 17 25
K£7,118,570 1 80	K£	K£ 7,377,578 6 79	6 79 7,118,570 1 80	K£	K£ 7.377.578 6 79

*The Middle Market Value of these investments on 30th June 1969 was £62,313-12s.-08d. (K£53,411.16.35)

I. G. MWANIKI, Chief Accountant, Mombasa Pipeline Board.

STATEMENT OF WATER SUPPLIED

	Total Value of Water Supplied	K£ s. cis.	454,564 11 00 50 1 55	16 888 1	
1966/67	Amount	K£ s. cts. 414,783 11 70 5,806 8 05 3,871 4 05 1,470 6 15 19,597 3 15 17,597 3 15 4,970 14 75 4,970 14 75 2,612 6 50 1,461 19 50 6 8 3 3 00		5,371 1 55 5,575 11 40 5,548 18 35 131 2 35 261 8 15	13,796 18 35 6,404 3 40 72 0 80
196	Rate per 1,000 Gallons	1 4	4 60*	44444444444444444444444444444444444444	
	Number of gallons supplied	1,849,881,600 18,885,900 18,885,900 7,169,600 4,488,600 3,017,300 11,255,300 1,325,300 1,325,300 1,325,300 1,366,200 6,966,200 6,966,200 6,966,200	225,500	24,097,600 24,960,700 24,679,400 587,400 1,175,800	61,904,800 27,998,400 720,400
		13 :4:::::::::::::	: :	:::::	:: :
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	Consumer	Supply	nt—Macki	s and Ha	Kwale:
		Ministry of Agriculture: Mombasa Voi Mariakani Kwale Mazeras North Mainland Water Supply Kinango Likoni South Mainland Kilifi	MINISTRY OF WORKS: Road Construction Unit—Mackinnon Road	EAST AFRICAN RAILWAYS AND HARBOURS: Maugu Nackinnon Road Samburu Manyani Landies	PRISONS DEPARTMENT: Manyani Camp Shimo-la-Tewa COUNTY COUNCIL OF KWALE: Samburu Mwanda
1967/68	Amount	K£ s. cts. 55,409 11 05 5,007 1 70 3,525 12 15 1,309 13 70 775 12 00 13,916 11 75 5,88 4 95 5,84 4 95	27 9 00	4,577 15 50 4,290 5 20 4,548 0 60 82 13 50 188 12 00	5,960 9 95 6 1 80 6 1 80
196	Number of gallons supplied	1,831,266,100 24,424,800 17,198,100 6,388,700 3,783,400 61,851,500 2,576,800	133,900	22,330,600 20,927,900 22,185,500 403,300 920,000	57,241,500 26,491,100 60,900 6,800

STATEMENT OF WATER SUPPLIED—(Contd.)

170	89/1961			196	69/8961	
Number of Gallons Supplied	Amount	Consumer	Number of Gallons Supplied	Rate per 1,000 Gallons	Amount	Total Value of Water Supplied
	K£ s. cts.			KSh. cts.	K£ s. cts.	K£ s. cts.
33,500	17	KASAMENI				
41,900	8 11 70	MwAchi	2,800	4 60*	0 12 90	
1,500	2	MWATINGANI	2,200	409	20	
8,900		LUTSANGANI	12,800	4 4 60*	2 17 05	77 16 65
658,600	0 30	Mrs. B. Daneu	818,400	4 60*		183 0 35
4,791,400	982 4 75	Kenya National Parks	5,522,200	4 60*		2
116,900	1 40	KANWAR STORE	251,800	9		17
61,590,900	7 60	EAST AFRICAN OIL REFINERIES LIMITED	71,968,500	*09 +		
161,800	2 60	LAITA RANCHING CO. LIMITED	198,600	2 00		17
30,033,700	0 40	BAMBURI FORTLAND CEMENT CO. LTD.	42,207,900	3 25†		7,142 10 45
471,000	0 65	VICTOR I LIMITED	69,178,900	3 75		-,
4/1,900	60 %	Mr. I M. Marine	484,300	3 75		90 16 15
1		Mr. J. IV. MWAMBAKI	94,100	4 60		18
1 700	0	Cure Most and	14,000	4 60		4
1 819 200	18 75	Kenya Meat Congresion	7 761 200	4 4		2
2,770,900	0 75	Kenya Sarari Indges and Hotels	8,727,300	4 4		90
456,900	13 25	MR. R. S. MAYERS	1 939 500	14		1,982 9 00
		BALFOUR BEATTY (OVERSEAS) LIMITED	58,800	80		12
1	ı	MR. S. C. NGUMA	53,800	4 60*		4
1	1	Mr. Y. Mwatsahu	41,900	*09		
1	1	:	200	4 60		10
-	1	:	51,	4 60		11 15 95
2,271,436,600	2,271,436,600 K£465,5861415		2,385,216,700	_	N X	K£ 532.776 6 15
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*Up to 30th September 1968 the rate was KSh.4.10 per 1,000 gallons, †Up to 30th September 1968 the rate was KSh.3.75 per 1,000 gallons.

GPK 5144-250-2/70

