

EAST AFR. PROT
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Recd
Regd 26 DEC 16

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Governor
Belfield
685.

1916
1st Nov.

Last previous Paper.
3/11/15

MOMBASA WATER SUPPLY.

The copy report from D.P.W. requests approval to propose therein to utilise £1,900 of the balance of £5,800 unexpended at end of August. Record appreciation of Mr Blain's work.

Mr Read.

The provision for the Mombasa water supply consists of the loan of £90,000 and of a sum of £17,000 included in the Estimates for the current year for increased storage capacity and increased distribution facilities. The accounts show an overcharge of £5,958 to the loan fund. This overcharge will be reduced when certain materials and plant charged to the water supply are returned into store. The Governor has approved of the balance of the overcharge on the loan account being met by a transfer from the sum of £17,000 provided in this year's estimates. I see nothing to call in question in this transaction.

Even after meeting this overcharge, there remained, at the end of August last, an unexpended balance of £5,800 on the amount provided in the Estimates.

The

Extracts from report sent to la } Stamp
Ans. 21

Next subsequent Paper.
4/20/15

Director of Public Works asks for permission to re-allocate £1,900 of this for expenditure on minor improvements specified in paragraph 5 of his memorandum. The balance of the amount still available should be saved if possible. The Director of Public Works should not be given, as he asks alternatively, general sanction to re-allocate the whole amount as he thinks fit.

In reply ^{to the effect} we should say that the Secretary of State has noted with pleasure the testimony to Mr Blain's work. We should send the pertinent extracts from Mr Tanner's report ^{the report} to the Crown Agents.

J. G. B.

at once.

H. J. R.

2/1/17

EAST AFRICA PROTECTORATE
No. 685.

GOVERNMENT HOUSE,
NAIROBI,
BRITISH EAST AFRICA.

61888
REC'D
RES: 26 DECEMBER

November 1st, 1916.

Sir,

From D.P.W. 4837
12-10-16

With reference to My despatch No.935 of November 6th, 1914, and Mr.Harcourt's despatch No.211 of March 31st, 1915, in reply thereto on the subject of additional expenditure on storage capacity at Changamwe and the distribution system on Mombasa Island in connection with the Mombasa Water Supply, I have the honour to enclose herewith, for your consideration, a copy of a letter from the Director of Public Works.

2. I have approved of the reallocation of the excess amount shown in the accounts dealing with the loan of £90,000 to the Vote Public Works Extraordinary, Major Works, Mombasa Water Supply, minus the sum that must be deducted when materials and plant are returned to Public Works Department Unallocated Stores.

I

THE RIGHT HONOURABLE
ANDREW BONAR LAW, P.C., M.P.,
SECRETARY OF STATE FOR THE COLONIES,
DOWNING STREET,
LONDON, S. W.

3. I should be glad to receive your approval to the proposal contained in paragraph 5 of Mr. McGregor Ross's letter to utilise £1,900 of the balance of £5,800 unexpended at the end of August. The unexpended balance referred to is part of the £9,600 sanctioned on account of the distribution system. The work connected with the increase of storage capacity has been completed and the sum provided on this account expended.

4. I desire to associate myself with Mr. McGregor Ross's remarks regarding Mr. Blain's work as I consider that he has performed his duties in a most creditable manner in the face of great difficulties.

I have the honour to be,

Sir,

Your humble, obedient servant,

A. Conway B. Esq.

GOVERNOR

In reply please quote No. 430/36

and Date October 12th 1916.

MOMBASA WATER SUPPLY.

THE HON. CHIEF SECRETARY,

THROUGH THE HON. AG. TREASURER,

NAIROBI.

Sir,

I have the honour to report that just before I left Nairobi for Mombasa, the Resident Engineer reported that the final connection of the 10 inch main at Mwachu creek, by the insertion of the reflux valve for the arrival of which we have waited for some 14 months, was completed and that the full supply from the Shimba Hills was satisfactorily delivered into the service reservoirs at Manganwe. I wrote to congratulate Mr. Blain on his reaching this important stage in the execution of this long project. It would be difficult to overstate the value of the service which Mr. Blain has rendered to Government in the control of this important undertaking, in face of exceptional difficulties due to bad climate, labour troubles, and serious interference with normal work under the war-time conditions that have prevailed latterly.

2. The total sum available for this work was £107,900, made up of a Loan vote of £90,000 and a vote in the P.W.E. Schedule of £17,900 of which an unexpended balance of £13,693 from last financial year has been carried over to this. In the accounts as hitherto submitted, there appears an overcharge to the Loan fund of £5,958. This is in part to be rectified when materials and plant charged to the project are taken back into unallocated stores. The remainder can perfectly correctly be transferred by Form Q from the Loan vote to the P.W.E. vote for the same work. There is provision in both these votes for "Distribution System in the Island" The

transfer from one vote of certain expenditure to another vote specifically granted for identically the same work does not appear to call for comment.

3. When this is done, it is particularly satisfactory to be able to report that there remains an unexpended balance of some £5,300 at the end of August 1918. I consider that this fact reflects the greatest credit on Mr. Blain's energy and management. It will not suffice to extend the service reservoir capacity at Changawe, but it will be available I presume for continued expansion of the distribution system in the Island.

4. Instead of using the whole forthwith on distribution system specifically, I request sanction at this stage to reallocate certain small sums to other uses connected with the supply. I do not know whether a general sanction from Government will suffice (if the proposals are approved) or whether a separate reallocation for each proposal will be necessary.

5. The works which I request sanction to execute are the following:

- (a) In caulking all the joints, the tools have bared the steel main of the protection covering of "Anquas Smith's solution". The outside of the pipe at junctions is thus less protected from rust than the remainder. The joints should be uncovered, returned and filled up again. Estimate £400.

- (b) The water is very soft and as a result of enquiries which originated at the time of Mr. Morton's inspection it is established as desirable that the water should be slightly hardened at the headworks to prevent undue action upon the interior of the steel main. Questions have been received for hardening plant supplied by the Paterson Engineering Company. I can report specially on the method of using this equipment if so desired. The plant might now cost, landed at Mveri, £750.
Building for installing it in £180.
say £930.

- (c) It is desirable that the total consumption of water on the Island should be metered and recorded at Changawe. I request sanction to instal a Venturi recording meter at Changawe. Provision was arranged long ago for inserting this on the 16 inch main, in case it proved possible to supply it later.
Cost landed at Changawe, say, £400
Building and installation, say, £100
£500.

- (d) A small rest house about 16 feet by 12 feet at the break-pressure tank, mile 11/13 on the pipe line is desirable as inspecting officers may have to go there frequently for a few hours or for a night, if regulation of the flow is necessary at that point. It will also serve as a half-way house for an officer travelling from Kapitihi to Mveri.
Estimate £100.

Total for the proposals £1,900

6. The first cost of meters might be met from this unexpended balance also, and it may prove desirable to reconstruct the bridge on the road which His Excellency traversed by motor car last year from Mteza to the headworks. I am not in a position at present to quote figures for these works, but I shall be able to do so at a later date. But for the present I write to enquire whether a general authority may be given, or alternatively whether reallocations may be specially sanctioned, for the particular works referred to in paragraph 5.

W. H. TANNER,
for Director of Public Works.

(Draft by Mr. McGregor Ross on tour).

Gov EAP
61888
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~~52~~

5 Jan 1917

Gentlemen,

I enclose transmit to

you, for your information, the

acc. extracts from a report

for the Gov. of the EAP as

forth a report by the D.P.W.

the subject of ~~works~~ ^{the valuable} service rendered by Mr. W. Blair,

~~Executive Engineer in charge of the~~ Executive Engineer, in charge of the ^{the} ~~Mombasa~~ Mombasa Water Supply works

DRAFT

Crown Agents

MINUTE.

Mr. Powell 4/1/17

Mr. Botherly 4.1.17

Mr.

Mr. Grindle.

Mr. Lambert.

Mr. Read.

Sir G. Fiddes.

Mr. Steel-Maitland.

Mr. Bonar-Law.

685-1 Nov 1916 (para: 4)
12 Feb 1916 (para: 1)

enclosed to
vide: you

2 drafts

H. J. READ

Gov
61888
TAP
16

5"

5 Jan 1917

Sr.

Invsd - 16935/18

I have the honor to acknowledge

the receipt of your cheque No 685 of the 1st of Nov, enclosing a copy of a letter from the D.P.W. on the subject of expenditure incurred on the Manabara Water Supply

I approve of the proposal contained in para 5 of the Director's letter for the reallocation of £1,900 of the balance of £5,800 unexpended at the end of August. I regret however that I am unable to ~~re-allocate~~ still remaining,

DRAFT

TAP No 2
Geo Belfield

MINUTE.

- Mr. Jewell 4/1/17
- Mr. Buttunley 4/1/17
- Mr.
- Mr. Grindle.
- Mr. Lambert.
- Mr. Read.
- Sir G. Fiddes.
- Mr. Steel-Maitland.
- Mr. Honor Lane.

2 drafts