

M.R.O. 1-77,000-8-9-07
(1) Number of pages _____

(2) Date of repair _____

(3) Initials of the Referencer _____

MADRAS RECORD OFFICE.

Government of Madras.

Public Works

DEPARTMENT.

G.O. No.

1135

(Military Works)

Press
Mis.

Dated

4-6

1877.

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
4th April 1877. No. 1,135.*

No. 73. Read the following letter from Lieutenant-Colonel R. B. KENNEDY,
District Engineer, Malabar, to the Acting Chief Engineer, Public Works
Department, Buildings and Roads Branch, dated Camp, Luckadie, 24th
March 1877, No. 255 :—

Reference, G.O. No. 824, dated 10th instant.

WITH reference to the above I have the honor to forward a supplemental
estimate, amounting to Rupees 510, for completing the European swimming bath
at Cannanore, which has been completed in accordance with G.O. No. 824, dated
10th instant.

No. 74. ORDER THEREON, 4th April 1877, No. 1,135.

MILITARY WORKS, No. 3.

SANCTIONED and registered as Imperial
No. 1—W of 1877-78 in continuation
of Imperial No. 99—W of 1876-77.

(a) *Heads of Service.*—Imperial.
Fund.—Ordinary.
Class.—Original Works.
Main-head.—Military.
Sub-head.—Military Buildings.
Section.—Accommodation for European Infantry.
Name of Work.—Constructing a swimming bath for the
European Infantry at Cannanore.
Amount.—Rupees 510.
Carried out by the Public Works Department.

(True Extract.)

Colonel,
Acting Joint Secy. to Govt., P.W.D.,
Buildings and Roads Branch.

To the District Engineer, Malabar.
„ Examiner of Public Works Accounts.
„ Military Department.

Exd. S. T. Austin.
Spare Copies

(a) Heads of Service— *Imperial*

Fund.

Ordinary

Class.

Original Works

Main-head.

Military Buildings

Sub-head.

Military Buildings

Section.

Accommodation for European Infantry

Name of Work.

*Constructing a swimming bath for
the European Infantry at Launau*

Amount *R 510*

To be carried out by the *Public Works* Department.

Placed in the margin of G.O. No. 1135 of 4-6-77-

by the European Swimming Bath. Launau, according to

Amount of each

to Article Work

Remarks

Cy. 21..

Sq. 158 103

Rather a high rate allowed as the quantity is very small and the surface must be neatly trimmed for laying the laterite flooring. High rate than usual allowed as all the stones must be cut very neatly and very square as they have to fit without any chisels.

138..

50..

55..

422 103

23 59

446..

64..

This item allowed as the bath must be kept dry during work and labour for pumping. Pumps were made before, the cost is now charged against the estimate, as it is not a fair charge against sundries &c.

Underestimated in original. The doors were made at the ^{market} fair, the cheapest, and were 64 Rs over estimate price. The extra cost has been entered here so that all items can be

Revised— 510.. finally disposed off

W. B. Vennery A. C. E. Aldobin J. R. E.
Rt. Engineer Local. Assistant Engineer M. A.

Roads and Buildings

From

The Distt Engineer
Malabar.

No 255

Dated 26th March 1877.

Supplemental Estimate for
Completing the European
Swimming Bath at
Cannanore No 510.

Supplemental estimate of the probable expense of Completing instructions in G.O. No. 824 of 10th March 1877

P.W.D.

28 MAR 77

No. 3200

Sl. No.	Name of work	Measurements	Particulars
1	5 1/2 x 23 1/2	496	Bottom of bath after 10' from the Shallow
2	5 1/2 x 5 1/2	216	Sides of bath
1	23 x 5 1/2	43	Deep end face
		755	cft
		28	Total Cude of excavation
1	5 1/2 x 23	1322	Square feet of latrite
2	5 1/2 x 5	575	Sides
1	23 x 5	115	Deep end face
		690	Square feet of latrite in Cement in sides and deep end face - skinning 20.
			Baling water
			Cost of Pumps made for Baling
			Lundries and Superintendence
			Add Cost of shutters over estimate

Total of estimate

Cannanore Office
20th March 1877
G. C. S. P. 1877

Luckradie
26th March 1877

448	54	510
Total	Total of estimate	510

Report for the 1st and 2nd of March 1877
No. 1125 of 4-4-77
No. 1125 of 18-4-77

Albion J. J. 2.6

ASSISTANT ENGINEER, MALABAR

IN CHARGE OF CANNANORE DIVISION

W. H. Kennedy Esq. C.E.
D. I. Eng. Malabar.

CANNANORE DIVISION OFFICE

20th March 1877

Luckradie
26th March 1877

...for a... Military... Original

Supplemental

ABSTRACT ESTIMATE of the probable expense of Completing the European Swimming Bath at Cannanore according to instructions in G.O. No. 824 of 10th March 1911

Contents.	PARTICULARS OF WORK.	RATE.	Amount.	TOTAL	REMARKS.
28	Cycle of Excavation	12	21		
1322	Square feet of laterite	12	158 10 3		
690	laterite in cement	20	138		
	Baling water		50		
	Cost of Pumps made for Baling		55		
	Landries and Superintendence		23 5 9		

P.W.D.
DEPARTMENT
No. 3200

464100/11/11 B.K. 72

Specification to accompany estimate for completing the E. European Bath at Cannanore.

Amount of estimate Rupees 510...

Reason of work

As the material that has been reached in the bath at a depth of 5 feet below surface of rock is not solid stone but a clayey kind of laterite, it is proposed in order to keep the bath clean and to prevent damage to the sides and bottom, to make a good sound bottom with good laterite blocks and also to face the sides where necessary with sound laterite stone laid in cement

laterite flooring

The depth of the Bath is to be increased where the stone is unsound by $\frac{1}{2}$ " that is from the drop of 1 foot to the lower end. the proper inclination at the same time being carefully kept. this depth of $\frac{1}{2}$ " is to be then carefully trimmed and a flooring of laterite stones put in. the stones are to be cut most carefully and very square so that the joints shall be as small as possible.

Facing with stones

The sides of the bath from 1 foot drop 5' to lower end being also bad material the sides are to be cut out to a depth of $\frac{1}{2}$ " and a facing of good sound laterite given. this laterite to be laid in cement

one course of headers should be laid at vertical
interval of $2\frac{1}{2}$ feet

A Baling will be necessary as item Baling
for this in the estimate and pumps
as well - the bath should be kept
as dry as possible during work

Commander's Office
20th March 1877

Aldobron J. R. E.
Assistant Engineer M. A.

Luckadie
24th March 1877

W. B. Kennedy Lt. Col.
Lt. Eng. M. A. A.

P.W.D.
28 MAR 77
NR 3200

M. G. G. G.

G.O. No 3168-27-11-76
" 824-10-3-77

P.W.D.
Roads & Buildings
NR 3200

From D. Engrs
Khalahad.

only work

No 1135 of 4 April 77
Sanctioned.

No 255

Dated 24th March 1877.

W. H.
30.3.77.

and registered as
Imperial No 1 W. of
1877-78 in continuation
of Imp. No 99 W. of
1876-77.

No. of Enclosures 3.

D. Engrs. ✓
S. P. W. A. ✓
Mil. Dept. ✓

Swimming Bath for
Europeans at Cannanore.

respd 26.4.77

Forwards a Supplemental
Estimate of Rs. 510 for
early sanction.

G.O. No 1135 of 4 April 77 S.B. 73

With order

Per 31-3-77

G.O. No 1135 of 4 April 77 S.B. 73

2/17
G.O. 1877
G.O. of 1877. Mal. ms.
PUBLIC WORKS.

To The D. & Malabar

Dated

Issued

Recd.

Encl.

G. O. 4 April 1877, No 1135

Nos. 73-74

Swimming Bath for the
European Regiment at
Cannanore, Malabar D.

The supplementary Volume
No 510 for completing
the — Sanctioned

Encl. in Regt.