M.R.O. 1—10,006—28-2-50

(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.	2726	Press
B.P. No.		Mis.
548		
547		
Dated	28-9-1874	195 .

Not to be folded or roughly handled

Ootacamund 3d September 1874

No 682.

It is remarked that Certain V Shaped drains at the Ulsoor Barracks were sanctioned in G.O. No 1917 of 31st July 1873 - and with reference to Correspondence Connected with the drainage of the Parade Barracks it was remarked in G.O. No 1630 of 23d June 1873, that it was desirable the Subject of drainage of Blocks of Barracks should be laid before Govern: ment in a connected and Complete form even though the works should have to be taken up and Carried out in details. —

The Chief Engineer accordingly requests that a Survey may be submitted showing what is proposed altogether for draining the Ulsoor Barracks, and explanation given why this Second detached Section should be separately dealt with. —

Signed C W Walker Colonel RE
Chief Engineer N.W.D.

To The District Engineer Bangalore. —

Specification to accompy
an Estimate for certain Shap
drains in Ulcer Barracks.
Amount of Estimate Rupees 700-

These drains are intended
to complete the present system of
drainage, considered by the Med.
Authorities deficient, certain drains
estimated for are necessary to convey
the waste water from Bathrooms
in Blocks, to a greater distance
from the Barrack, and thus
prevent it from lodging in
unpaved portions of drains at
present existing, and becoming
offensive. The extention of drain
leading from Bath rooms of Staff
Lines, through pensioners village
will not only prevent the water from
these Bathrooms from stagnating
at a short distance from these
Quarters, but also be serviceable
in carrying away a great quantity
of filthy water from the village
itself, thus relieving this locality of a
continued nuisance in the warm season

The foundation for the drains will be dug with reference to fall of drain, the sole to be made correctly levelled to fall required, no drain to have less fall than 1 in a 100 and none greater than 1 in 65; the proper gradient to be set out on the foundation before stones are laid, no ramming of earth under the slab stones will be allowed; any unequalities in foundations will be filled in and rammed.

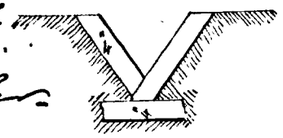
Earthwork

Stones for V Drains

All stones for V drains will be of equal thickness for the same drain, no stone need exceed 4" thickness and none will be shorter than 5 feet.

Construction of V drain

Stones for V drains will be made and fitted as per margin, one stone to overlap the other at the bottom, all will rest on a flat stone at least one foot broad, joints will be neatly cut and no feather edged stones will be admitted.



Pointing

The joints in all drains after being thoroughly raked out will be pointed with portland cement (1 of cement to 2 of sorkee); they will be kept wetted for at least two days after the drain has been pointed.

Cleaning away Rubbish

The rubbish from V drains must be removed immediately after the drain has been laid and no accumulation will be allowed about the Barracks.

All materials used, and work done are to be of the best description and subject to the approval of the District Engineer of Bangalore who shall have the entire power of ordering the removal of any work with which he is dissatisfied.

Henry W Plant
Captain R.E
District Engr Bangalore

Dist Engrs Office
Bangalore
20th Augt 1874

Abstract Estimate of the probable cost for Laying V Drains in Royal Horse Artillery Lines in the Ulsoor Barracks, prepared agreeably to the requisition received from the Asstt. Dr. Mr. Genl. Mysore Dr. No. 218 of 13th June 1874.

Quantity	Description of work	Rate	Amount	Total
60	V Drain from end of Barracks to gate at N. end of Lines			
77 15½	From gate to first opening in wall forming two drains from bath rooms			
316	In front of Family Quarters			
600	From end of V drain in front of No. 2 Block past Sergeants Mess			
1068½	Total Lft. of V Drain	6	Lft. 4001	
528	Lft. of one foot V drain in extension of V drain from N. end of Staff Lines through Pensioners' Village	8	264	
			6641	
	Sundries		35 5	
	Total Estimate Rupees			700

Lt.b
Distt Engrs Office
Bangalore
20th August/74.

H. Wright Capt
Captain R.E.
Asstt Engineer Bangalore.

From
The District Engineer
Bangalore
No 1161 Engrs
Dated Bangalore 26th Aug. 1874
Rec'd 28th Ditto
Estimate of Rupees 700
for Laying V Drains in Royal Horse Artillery Lines in the Ulsoor Barracks
Specification for
Laying V Drains
Plan
Diagram
Estimate
Liabilities
Contingencies
Quarterly Return
Annual Estimate
Report
Letter
Memorandum
Receipt
Abstract
Plan
Tracing
Specification
Estimate
Report
Letter
Memorandum
Receipt
Abstract

92

No. 110

DISTRICT ENGINEER'S OFFICE.

Bangalore 7th August 1874

From

The District Engineer,

Bangalore.

To

The Chief Engineer

Public Works Department,

Madras.

Sir

With reference to G.O. No 125 dated 14th Instant, I have the honor to forward herewith for sanction Detailed Estimate of Rupees 900 for laying 1 drains in Nucor Barracks.

The approval of His Excellency the Commander-in-Chief has been obtained to the same.

I have the honor to be

Sir

Your most Obt Servt

Henry Hubert Captain R.E.

District Engineer, Bangalore

No. 122

DISTRICT ENGINEER'S OFFICE.

Bangalore 8th Sept. 1874

From

The District Engineer,

Bangalore.

To.

The Chief Engineer

Public Works Department.

Ootacamund

Sir.

With reference to your Memo No. 6582 dated 3d. September 1874, I have the honor to forward herewith a Sketch, showing drains in existence and those now proposed to be prepared.

The drain sanctioned in G. O. No. 1917 of 31st July, was one in front of a Gun Shed* to carry off water used in washing guns. It will be seen from the Sketch that the Gun Sheds, Guard rooms &c. are separated from the Barracks by an open space of over 200 yards. And as this ground is higher than either the Barracks or the Gun Sheds the 2 Systems of drainage have no connection.

Marked C

The

The drainage from the 22
Gun sheds passing towards
B while that of the Barracks
flows towards A.

I have the honor to be
Sir
Your most obed.t Servant

H. Curtis Nisbett Captain R.E.
District Engineer Bangalore

P.W.D. Mily

Pro: of the Military Auditor General

Read the following:-

The Executive Engineer
Bangalore
27th Sept 1874

Sir

I have the honor to forward herewith for sanction a sketch showing the existing drainage of the Officers Barracks at Bangalore, as well as that proposed to be carried out during the current year, according to the estimate now submitted. And the work being necessary.

I have the honor to be
Sir
Your most obedient
humble Servant
[illegible]
Executive Engineer

P.W. 187[illegible] Deptt.
Military Barracks
No: 5953

The Secretary
P.W.D.
Bangalore

Sir

The Chief Engineer
P.W.D.

Dated 8th Septr 74
Recd. 22nd "
E.T.C. No: 122

Forwarding sketch showing the drains in existence & those now proposed in Ellsoor Barracks.

Ele No: 2726 28-9-74.

No 6460

allotment to be made
later in the year.

Gnw

546-547

Circ 18/9/14 Circ 19/9/14

40

To the D. C. Bangalore
" Controller
" Military Dept
S. Capies despd 2/10/14.

5956 ✓ 595
5374

Govt. of {1874} Madras.

PUBLIC WORKS.

To

The Dr. Supn
Bangalore

Dated

Read. Encl. 3

G. O. 28 Sept 74. No. 2726

Nos. 576-579

Floor Barracks at Bangalore Estimate for completing the surface drainage of the Barracks sanctioned, the work to be carried out in anticipation of special allotments to be made later in the year —

C. Engineer - 7/9/74

Cir 18/9/74 Cir 19/9/74