

(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.	445 (14)	Press Mis.
Dated	5-11	1877.

Not to be folded or roughly handled

10

GOVERNMENT OF MADRAS.
PUBLIC WORKS DEPARTMENT.

5th November 1877, No. 1,445 W.

Buildings and Roads.
Military Works.

Read the following paper:—

No. 30. From Major H. M. VIBART, R. E., District Engineer, Bangalore, to the Chief Engineer, Public Works Department, (Buildings and Roads,) dated Bangalore, 16th October 1877, No. 138.

WITH reference to G.O., No. 211 W, dated 25th September 1877, I have the honor to forward herewith, for the sanction of Government, plan and detailed estimate, amounting to Rupees 680, for laying surface drainage in the Commissariat Bearers' Lines, Shooley, at this station.

2. The plan and estimate have been approved of both by the Major-General Commanding the Division and His Excellency the Commander-in-Chief.

No. 31. ORDER THEREON, 5th November 1877, No. 1,445 W.

THE plan and estimate, amounting to Rupees 680, for draining the Bearers' Lines at Shooley in Bangalore are sanctioned.

2. This sanction has been registered as Imperial No. 77 B of 1877-78.

(True Extract.)

(Signed) E. A. FOORD, Colonel, R.E.,
Secretary to Government, P.W.D.

To the District Engineer, Bangalore.
" Examiner of Public Works Accounts.
" Military Department.

Exd. E. C. Shunker.
Spare Copies

Head of Service _____ Imperial
 Fund _____ Ordinary
 Class _____ Original Work
 Main Head _____ Military
 Sub Head _____ Military buildings
 Section _____ Commissariat Department
 To be carried out by the P. H. Department

Detail Estimate No. _____ of 1877/78
 District Bangalore

Name of Work _____ Laying surface drainage in the
 Commissioners' Lines at Shoolay Bangalore vide P.H. No. 315 of 2nd July 1877 & G.O. No. 211 W dated 25th September 1877.

Particulars of Work	No.	Area Estimated			Cubits	Total
		L	B	K		
V Drain						
No 1 Beavers' line	1	480	.	.	480	
	1	265	.	.	265	
	1	140	140	.	140	
No 2	2	245	245	.	490	
No 3	2	260	.	.	520	
No 4	2	265	.	.	530	
No 5	2	370	.	.	740	
East end of Beavers' Lines	1	300	.	.	300	
Total Cufts of V shaped drain						3465

Sub
 1/10/77.

Copy to
 31/10/77.

Head of Service _____ Imperial
 Fund _____ Ordinary
 Class _____ Original Work
 Main Head _____ Military
 Sub Head _____ Military buildings
 Section _____ Commissariat Department
 To be carried out by the P. H. Department
 Abstract Estimate No. _____ of 1877/78
 District Bangalore

Name of Work _____ Laying surface drainage in the
 Commissioners' Lines at Shoolay Bangalore vide P.H. No. 315 of 2nd July 1877 & G.O. No. 211 W of 25th September 1877.

Quantity	Description of Work	Rate	Per	Amount	Total
3465	Cufts of V shaped drain 9 for Beavers' Lines	3	Rs 649 11		

Rs 680 in Rs 14450 of 5-10-77

Sundries 305
 Total Estimate Rs 680

Sub Major P. C.
 District Engineer
 By order
 1st October 1877.
 District Engineer's office
 Bangalore
 31/10/77.

Specification to accompany
Plan & Estimate for Laying surface
Drainage in the ^{Commisariat} Beavers Lines at
Shoolay Bangalore.

Amount of Estimate Rupees 880

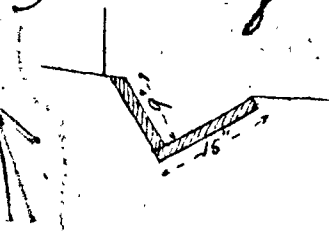
Earthwork.

The foundation will be dug with
reference to fall of drains the sole to
be correctly levelled to fall required,
no ramming of earth under the
slab stones will be allowed.

Stones for V drain.

All stones for V drains will be
3 or 4' thick and none will be less than
5 feet in length.

Construction of drain.



Stones for V drains will be fitted
as per sketch in the margin, one
stone to overlap the other at the
bottom. Joints will be neatly cut
and no feather edged stones will be
admitted.

The joints in all drains after
being thoroughly raked out, will
be pointed with cement consisting
of one part of cement to 2 of sand.

rubbish from V drains must
be removed immediately after the
drains have been laid.

Ld

Henry W. Ribart Major P.C.
District Engineer

Civil Engg office
Bangalore
14 October 1877

405: hwr/sj SB 30

Road & Building;

From

The District Engineer
Bangalore

& The Chief Engineer
P.W. Dept.
Road & Building
Madras.

Dated 15th October 1877.

Detail Estimate No. 131 of
1877-78.

Work - Laying surface
drainage in the Commis-
sariat Beare's Lines, Shoolay,
at Bangalore.

Amount of Rs. 680-0-0.
Estimated.

4051 hrs/11 1/2 Rs. 30

No 1445 W Public Works Department.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Under date the 5 Nov 77

Read the following:-

Letter from the District Engineer
Bangalore. } (H.E. No 138 d/16th Oct 1877)

The Plan and Estimate
amounting to Rupees 680, for
draining the Beare's Lines
at Shoolay in Bangalore
are sanctioned. W.H.
2.11.77

W.H.
2/11
This sanction has been
registered as Imperial No. 77/3
of 1877-78.

R.A. to the H.E. Bangalore
Examiner P.W. A-
4051 hrs/11 1/2 Rs. 30

1010200
Govt. of 1877 India.
PUBLIC WORKS.

To

Dated

Issued

Recd.

Encl.

G. O., 5th Nov 1877, No. 1445W

Nos. 30-31

Brareri's Lines at Rhodag
in Bangalore sanction
plan & estimate amount
upto Rs 680 for draining
the ———

Sd/-
1.1.77