

(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. 1578 (W) Press
Mis.

Dated 10-11-1877.

Not to be folded or roughly handled

GOVERNMENT OF MADRAS.
PUBLIC WORKS DEPARTMENT.

10th November 1877, No. 1,578 W.

Buildings and Roads.

Military Works.

Read the following paper :—

No. 84. From Major H. W. WOOD, R.E., District Engineer, Vizagapatam, to the Chief Engineer, Public Works Department, Buildings and Roads Branch, dated Waltair, 24th October 1877, No. 1,738.

I HAVE the honor to submit, for the sanction of Government, an estimate (amounting to Rupees 157), plan, and specification for revetting the side of a drain in the Lines of the 7th Regiment Native Infantry at Vizagapatam.

One Plan.
" Estimate.
" Specification.

2. The plan and estimate have been prepared at the request of the Brigadier-General Commanding the Northern District, and approved by His Excellency the Commander-in-Chief.

3. In the event of the estimate being sanctioned, I can provide funds for the work to the extent of Rupees 121 from the unappropriated balance of the grant* placed at my disposal for Minor New Works, Military, leaving the balance of the estimate, viz., Rupees 36, to be allotted by Government.

* Rupees 500.

No. 85. ORDER THEREON, 10th November 1877, No. 1,578 W.

SANCTIONED.

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

(True Extract.)

Colonel, R.E.,
Secretary to Government, P.W.D.

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

Exd. E. C. Shunker.
Spare Copies

Number	Length <i>yd.</i>	Breadth <i>yd.</i>	Depth <i>yd.</i>	Cyds of rough -land reduced	Cyds of gravel backing	Cyds of earthwork
110	$\frac{5}{12}$	$3\frac{1}{2}$	$160\frac{5}{12}$	"	"	
112	$1\frac{1}{2}$	$\frac{1}{2}$	"	"	84	
110	2	$\frac{1}{4}$	"	"	55	
110	$\frac{1}{6}$	3	"	55	"	
			$160\frac{5}{12}$	55	139	

Levelling road way by side of drain
Gravel backing

Quantity	Description of work	Rate	Per Item	Amount	Total
160 $\frac{5}{12}$	Cyds of Rough stone masonry	12 -	Rs 11	120 5 0	✓
55	Do of gravel backing	5 -	Rs 11	17 3 -	✓
139	Do of Earth work	10 - 11 - 7	Rs 11	8 11 0	✓
	Petty Supervision		Cent	8 10 6	✓
	Surveys		Rs	1 7 0	✓
	Contingencies	8 -	Rs	11 6	✓
	Total Rupees				157 -

Central Office
Soc. Sec. 2/11/77

District Engineer,
Vizagapatam

Specification to accompany Estimate of
the probable cost of revetting the side of drain
in Lines of 7th Regiment S. I. at Vizagapatam

Estimate Rupees 157- - -

To be built of rough stone, carefully laid on a proper foundation 18" deep so as to form a flight of steps from top to bottom of the side slopes of the drain. The stones to be not less than $1\frac{1}{2}$ foot cube. The revetment to be constructed with a slope of 45° along the right bank of the nullah.

the right bank of
gravel backing. The stone revetment will have a gravel
backing of 6 inches in thickness the gravel must
be well watered, and tamped, as the work
proceeds. The gravel must be free from earth.
It is recommended for the work will be

earth work. The earth required for the work will be taken from the sides of the drain. The earth after being laid will be well rammed.

On completion of work all rubbish, gravel and dust heaps to be cleared away, and the premises left in a clean condition.

District Engineers Office
Waltair 28 September 1877 }

Amroli Major R. G.
District Engineer
Vizagapatnam

Estimate of the probable
cost of re-equipment the
State of Maine on basis
of 7th Regiment 27th
at very approximation

Estimate No 157 - 2

4610: hwp, 13 to 84

N^o 1738. District Engineer's Office
 Waltair 24 October 1877
 From
 The District Engineer, Vizagapatam
 To
 The Chief Engineer, D. P. W.
 Buildings and Roads Branch,
 Madras

Sir,
 I have the honor to submit for
 the sanction of Government an Estimate,
 Plan and Specification for Revetting the
 side of a Drain in the Lines of the 1st Regiment
 at Vizagapatam.
 2. The Plan and Estimate have been
 prepared at the request of the Brigadier General
 Commanding the Northern District, and approved
 by His Excellency the Commander-in-Chief.
 3. In the event of the Estimate being
 sanctioned, I can provide funds for the work
 to the extent of Rs 121 from the unappropriated
 balance of the grant placed at my disposal for
 M. & Works, Military, leaving the balance of the
 Estimate, viz Rs 36 to be allotted by Government.

I have the honor to be
 Sir,
 Your most obedient servant
 [Signature]
 District Engineer, Vizagapatam

amounting
 to Rs 157

Rs 500

Specification to accompany
 Estimate of the
 probable cost of
 revetting the side of
 drain in Lines of 1st
 Regiment at D. P. W.
 Vizagapatam
 Estimate No 157-0-0

Rs 150 8/85

G. 610: [Signature] 1877

Buildings and Roads
From
The District Engineer
Vizagapatam
To
The Chief Engineer P.W.D.
Buildings and Roads Branch
Madras

N^o 1738

Dated 24th October 1877

N^o of Enclosures. Three +
Sanctioned
Plan with Libanet 1877
Drawn in the Lines of
the 7th Regiment N.I.
at Vizagapatam.

Submits Estimate
Rs. 157, for ~~re~~ filling the side of
a — for sanction.

G. C. 10th Nov 77 J. B. D. & N.

Car S. 11.

12/15788

Public Works Department.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the 10th Nov 77.

Read the following:—

From the District
Engineer Vizagapatam (N. E. N^o 1738
dated 24 October 77.)

Sanctioned —

627/77

This sanction has been
registered as Imperial No. 78 B.
7.10.77-78.

J. E. Vizagapatam
Examined P. W. D.
Mily. Dept

Despatch 15-11-77

1877
 Debt. of {1877} ~~1877~~
 PUBLIC WORKS.

20

Re N.B. Kizapatawa

Dated

Issued

Recd.

Encl.

G. O., 10 Nov 1877, No. 15,861

ENC. 84-85

M. Duffly Dinto at Tuzaga
patam. Parichius esto
of No. 757 for revealing the
side of a drum in its

But in 1892