

(1) Number of pages 20

(2) Date of repair _____

(3) Initials of the Referencer _____

MADRAS RECORD OFFICE.

Government of Madras.

Public Works DEPARTMENT.

G.O. No. 446

Press
Mis

Dated 17 - 7

1877.

Not to be folded or roughly handled

GOVERNMENT OF MADRAS.
PUBLIC WORKS DEPARTMENT.

17th July 1877, No. 446 W.

Buildings and Roads.
Military Works.

Read the following paper:—

No. 259. From Major H. M. VIBART, R.E., District Engineer, Bangalore, to the Chief Engineer, Public Works Department, Buildings and Roads, dated Bangalore, 15th June 1877, No. 67.

I HAVE the honor to forward herewith, for the sanction of Government, an estimate amounting to Rupees 190 for supplying gymnastic apparatus to Royal Horse Artillery, Ulsoor Barracks, at this station.

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

No. 259-A. From the same Officer, dated 28th June 1877, No. 77.

No. 260. ORDER THEREON, 17th July 1877, No. 446 W.

THE estimate of Rupees 190 for supplying gymnastic apparatus for the use of the Royal Horse Artillery, Ulsoor Barracks, Bangalore, is sanctioned.

Head of Service.—Imperial.
Fund.—Ordinary.
Class.—Original Works.
Main-head.—Military.
Sub-head.—Military Buildings.
Section.—Accommodation for European Artillery.
Work.—Gymnastic apparatus for Royal Horse Artillery.
Ulsoor Barracks, Bangalore.
Amount.—Rupees 190.
To be carried out by the Public Works Department.

2. The District Engineer will appropriate the funds required from those under head Minor New Works, Military, at his disposal.

3. The sanction herein accorded has been registered as Imperial No. 31 B of 1877-78.

(True Extract.)

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

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

Exd. S. T. Austin.

Spare Copies

to Foundation 9 6 1/2 810 818
Carried Over

Head of Service ————— Imperial
 Fund ————— Ordinary
 Class ————— New work
 Main Head ————— Military
 Sub Head ————— European Royal Horse Artillery

— To be Carried out by the P. W. D. —
 District Bangalore —

Detail Estimate No. of 187.7/78
 Name of work: Supplying Gymnastic
 Apparatus to Royal Horse Artillery Alson
 Barracks. Vide Assistant Quarter Master
 General No. En. No. 156 of 11th April 1877.

Particulars of work	No.	Measurements	Cubits	Total
<u>Vaulting Horse.</u>				
Body		5-3 1-6 7	7-10-6	✓
Cross pieces at bottom	2	6 9-6 4-6		
Total Cfts of Teak wood brought			12-4-6	
and put up				
Legs		4-7-6 4 4 3-4		
Total Cfts of Pinonamallee wood			3-4	
<u>Excavation</u>				
Foundation		9 6 2 1/2	135	✓
<u>Earthwork</u>				
Excavating around the horse		2 20 3 1	120	✓
		2 9 7 1	126	✓
Total Cfts of Earthwork			381	✓
do do of concrete to foundation		9 6 1 1/2	81 Cfts	81
Carried Over				

Particulars of work ^{measured} ^{content} ^{total}

Cft. of Filling Excavation
around the horse with ^{land} 1520 1 300 300

Parallel Bars.

Parallel bars 2 10 4 3 1-8-

Supports 4 6 4 3 2-0-

Total Cft. of Trincomallee wood 3-8-

Cross pieces to supports 2 6 5 5 2-1-

Struts to 4 2 1/4 1 3 0-11-

Total Cft. of Leaf wood wrought & put up 3-0-

Excavation

Foundation 2 6 1/4 2 30

Around the parallel bars 24 9 1 216

Total Cft. of Earth work 246

do. of Concrete 2 6 1 1/2 22 1/2

do. of Filling with sand 24 9 1 216

Horizontal bars with uprights

Uprights 2 11 8 5 6-1-4

Cross pieces at bottom 2 4 9 6 3-0-

Struts 4 2 1/4 5 5 1-10-11

Total Cft. of Leaf wood wrought & put up 11-0-3

Horizontal bar 1 9 5 5 1-6-9

Total Cft. of Trincomallee wood 1-6-9

Excavation

Foundation 2 5 1/4 3 37 1/2

Around the horizontal bars 9 20 1 180

Total Cft. of Earth work 217 1/2

do. of Concrete 2 5 1/4 1 1/2 18 3/4

do. of Filling with sand 9 20 1 180

Head of service... Imperial
Funds... Ordinary
Class... New works
Main Head... Military
Sub Head... European Royal Horse Artillery
To be Carried out by the P. W. D.
District Bangalore.

Abstract Estimate No. of 1877/78
Name of work Supplying Gymnastic
Apparatus to Royal Horse Artillery Barracks. Under Assistant Quarter Master
General Mysore Division No. 156 of 11th April 1877

Quantity Description of work Rate Per Per Cent Total

Vaulting Horse.

12-4-6 Cft. of Leaf wood wrought & put up 4 49 8

3-4-1 do. of Trincomallee wood 4 13 54

381 do. of Earth work 1 159

81 do. of Concrete to foundations 33 16 73

300 do. of Filling Excavation around the horse with Sand 3 4 11

Parallel Bars.

3-8-3 Cft. of Trincomallee wood 4 14 108

3-0-0 do. of Leaf wood wrought & put up 4 12

246 do. of Earth work 1 146

22 1/2 do. of Concrete 35 49 1

Carried Over 1877

Quantity Description of work Rate Per Amount Total

Brought forward 118 7 7
 216 Cft of Filling with sand 36 ft 3 6
 Horizontal bar with
uprights
 11-3 Cft of Teak wood wing
 and put up 4 4 14
 1-6-9 Cft of Trincomallu wood 4 6 4
 217 Cft of Earth work 1 1 21
 18 3/4 Cft of concrete 33 3 12 11
 180 Cft of Filling with sand 2 2 13

179 14 11

Fundries 10 1 1

Total Estimate Rs 190

Henry M. Stuart
 District Engineer
 Bangalore
 21st May 1877.

Am. L. S. Order

J. A. H. St. (d.)
 11/9. A. M. S. and

Road and Building.

From 2 JUL 77
3439

The District Engineer
Bangalore.
To The Chief Engineer
P. W. D.
Roads & Buildings
Madras

1667/77

Dated 28th June 1877

Encls. Our Estimate

Gymnastic apparatus
to the Royal Horse
Arty Barracks - Return
for approval the estimate
for supplying - with
certain information -

Received of the
District Engineer
Bangalore
the sum of Rs. 1000/-
on account of the
Gymnastic apparatus
to the Royal Horse
Arty Barracks -
Madras
28th June 1877
The District Engineer
Bangalore

P.W.D.
16 JUN 77
From No. 5921

The District Engineer
Bangalore

To
The Chief Eng.
Roads and
Buildings
Madras.

Date 15th June 1877.
Recd.

Estimate for Supplying
Gymnastic Apparatus
to R. H. A. Nilsoor
Barracks at
Bangalore -
Amounting to Rs 190

401st July 1877 No. 259

Roads and Buildings

DISTRICT ENGINEER'S OFFICE

BANGALORE 15th June 1877

No. 67

From

The District Engineer
Bangalore.

To

The Chief Engineer P.W.D.
Roads and Buildings Branch
Madras

Sir I have the honor to forward
herewith for the sanction of Government
an Estimate amounting to Rs 190 - - for
supplying Gymnastic Apparatus to
Royal Horse Artillery Nilsoor Barracks
at this station.

The estimate has been approved of
both by the Major General Commanding
the Division and His Excellency the Com-
mander-in-Chief.

I have the honor to be
Sir

Your most obed^t. servant

Frederick West
Major R.E.
District Engineer

Roads and Buildings

P.W.D.

From

16 JUN 77

5921

The District Engineer

Bangalore.

To The Chief Engineer

Roads & Buildings
Madras.

No. 67

Date 15 June 1877.

No. of Encls. over Estimate.

* Returned

Mem. no 4739 of 25 June 1877

Gymnastic apparatus
to the Q. H. Artillery Barracks at this Station.

Forward for sanction
of Government an Estimate
amounting to Rs 190. for
supplying —.

No 446 W

Military Works
Public Works Department.

Heads of Service - Imperial

Fund. Ordinary

Class. Original Works

Main-head. Military

Sub-Head. Military Buildings

Section. Accommodation for European Artillery

Project of which the works form part.

Work. Gymnastic apparatus for R. H. Artillery,
Moor Barracks, Bangalore —

Amount. Rs 190

To be carried out by the Public Works Department.

Print with G.O. No 446 W of 17-7-77

No 446 W

Military Works,
Public Works Department.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the

17 July 77

Read the following:—

From the Dist. Engineer Bangalore (H. E. A⁵ 57477. 1/15 + 23 June 77)

The estimate of Ru-
pees 190 for supplying gym-
nastic apparatus for the
use of the Royal Horse Ar-
tillery, Mysore Barracks, Ban-
galore, is sanctioned.

2. The District Engineer
will appropriate the funds
required from those under
Head Minor New Works
Military at his disposal.

MF

12.7.77

Dist. Bangalore ✓
Mil. Dept ✓
Eng. Works ✓

The sanction herein
awarded has been re-
gistered as Imperial
No 31 B. of 1877-78-

W. A. B.

Supd 24-7-77

Crossed
6432

G.O. of 1877 Madras.

PUBLIC WORKS.

To

Dated

Issued

Recd.

Encl.

G.O. 17- July 1877, No. 446a

Nos. 259-260

Royal Horse Artillery,
Teloor Bonacks, Bangalore

The estimate of Rs 190 for
supplying gymnastic appa-
ratus for the use of the —
sanctioned, the Director
appropriating the required
funds.

Included in Register
26-7-77.