

(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. 252	(W)	Press ~~Mis.~~
Dated 16-5-		1877.

Not to be folded or roughly handled

GOVERNMENT OF MADRAS.
PUBLIC WORKS DEPARTMENT.

16th June 1877, No. 252 W.

Buildings and Roads.

Military Works.

Read the following paper :—

No. 147. From Major H. M. VIBART, R.E., District Engineer, Bangalore, to the Chief Engineer, Public Works Department, Buildings and Roads, dated Bangalore, 28th May 1877, No. 48.

I HAVE the honor to forward herewith, for the sanction of Government, a plan and estimate amounting to Rupees 290, with specification, for constructing a corrugated iron urinal for the new Canteen in the Parade Barracks 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. 148. ORDER THEREON, 16th June 1877, No. 252 W.

Heads of Service.—Imperial.
Fund.—Ordinary.
Class.—Original Works.
Main-head.—Military.
Sub-head.—Military Buildings.
Section.—Accommodation for European Infantry.
Work.—Urinals for new Canteen, Parade Barracks, Bangalore.
Amount.—Rupees 290.
To be carried out by the Public Works Department.

THE plan and estimate of Rupees 290 for constructing a building for the urinals of the new Canteen at the Parade Barracks, Bangalore, is sanctioned.

2. The District Engineer will provide the requisite funds from the grant for Minor New Works, Imperial, at his disposal.

3. This sanction is registered as Imperial No. 23 B of 1877-78.

(True Extract.)

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 works
Main Head	Military
Sub Head	European Infantry

To be carried out by the P. W. E.
 Abstract Estimate No. of 1877/78
 District Bangalore

Name of work: Constructing a corrugated
 Iron Aerial for the new Canteen at the
 Parade Barracks Bangalore vide Memo No.
 Mr. G. B. No. 153 of 10th April 1877.

Quantity Description of work Rate Per Amount Total

48	Cft of Stone base	10.00	30
1.91	Sq of Corrugated Iron sheet	31.00	59
63	Sq of Sheet Iron partition	12.00	47
22-10	Cft of Jungle wood wrought and put up	28.00	57
1.73	Sq of Jungle wood planting for roof	20.00	35
23	Doz of screws 2 long	2.00	3
31	Nails 6" long	6.00	1
37	Cft of Case or Barge board Complete	4.00	9
1	Pinnacles Complete wooden	4.00	4

Carried Over 245

Quantity Description of work Rate Per Amount Total

Brought forward — 245
 10 Pkts of Iron bars $3\frac{1}{2}$ lbs 5276
 be fixed on the top of Iron
 partition — 3 Pkts 2
 29 lbs of wrought Iron — 4 lbs 7
 5.37 Lbs of Painting with two
 Coats of Chocolate color 4 Lbs 21
 1 Marking board — 3 3

278

Sundries — 12

Total Estimate Papers 290

Distt Engrs Office
 Bangalore
 9th May 1877
 Lib

Major P. C.
 District Engineer
 By order

A. P. Hunt H. C.

As a General

ind.

16 June 77

104712

Head of Service Imperial
 Fund Ordinary
 Class Original works
 Main Head Military
 Sub Head European Infantry
 To be carried out by the P. H. L.

Detail Estimate No. of 1877/78
 District Bangalore

Name of work Constructing a Corrugated
 Iron Urinal for the new Carriers at the
 Parade Barracks Bangalore. Under Distt
 Engr. Mr. G. L. No. 153 of 10th April 1877.

Particulars of work ^{Measurements} Contents Total
 L B L

Stone base.

Around the Urinal — 1 26 $\frac{1}{2}$ 26 $\frac{1}{2}$

Under Iron partition 5 3 15

in front of urinal 1 6 6

Total Pkts of Stone base 47 $\frac{1}{2}$

Corrugated Iron sheets.

Around the Urinal 9 ft. dia 1 26 $\frac{1}{2}$ 6 157 $\frac{1}{2}$

Screen in front of — 1 5 $\frac{1}{2}$ 6 33

Total Lbs of Corrugated Iron sheets 190 $\frac{1}{2}$

Sheet Iron partition

Between urinal tubs 5 2 $\frac{1}{2}$ 5 62 $\frac{1}{2}$

Total Lbs of Sheet Iron partitions 62 $\frac{1}{2}$

Woodwork.

Posts for urinal — 8 8 6 3 8

do for screen — 3 7 6 3 2 7 6

Carried Over 10 7 6

Particulars of work ^{Measurements} No. of B.D. Contents Total

Brought forward 10-7-6

Posts at centre of urinals 1 11 6 6 2-9-

do in front of every partition 5 6 3 3 1-10-6

Circular plant over centre

post for supporting Rafters 1 1 12 3 3-0-

Corbels over uprights for

supporting brassummers 8 3/4 3 2 3-0-

Brassummers over uprights 7 3 3 5 2-8-9 1/2

do do 1 2 3/4 3 5 3-5 1/4

Keel rafters 8 6 1/2 2 3 2-2-

Rafters 7 6 1/2 2 3 1-10-9

Total Lbs of Jung. do wood wrought iron put up 22-10-

Covering

Jungle wood covering 8 x 7 2 1/2 (3/4 1/2) 157 1/2

do do 12 x 1 1 3/4 15 3/4

Total Lbs of Jungle wood planting 1-7 3/4

Screws

do 2 inches 7 12 84

do 2 do 8 24 192

Total screws 2 long 276

Trails 6 long 31 31 31

Cave board

around the eaves 7 4 3/4 33 1/4

do 1 3 1/2 3 1/2

Total Lbs of Cave board on 31 36 1/2

Pinnacle Complete 1 1 1

Particulars of work ^{Measurements} No. of B.D. Contents Total

Plt of Iron bar 1/2 in to be fixed on the top of Iron partition 10 10 10

Wrought Iron

Plate for supporting rafters at ridge 12 x 1/2 thick each 1 20.00 20.00

Bolts with head & nuts for rafters at the ridge 1/2 in

7 3/4 ft long 15.59 8.85

Total lbs of wrought iron 28.85

Painting

Inside & outside 7 x 2 6 1/2 3 273

do do 1 x 2 6 1/2 2 26

Centre post 1 9 1/2 2 19

Uprights 8 7 1/2 84

do outside 3 6 1/2 27

Brassummers 7 3 1/2 1 1/2 26 1/2

do 1 2 1/2 1 1/2 2 1/2

Rafters 15 6 2/3 60

Uprights in front of Iron partition 5 5 3/4 18 3/4

Total Lbs of Painting 5.37

Lbs

576

Specification to accompany
Plan and Estimate for Construct-
ing a Corrugated Iron urinal for
the new Canton at the Parade &
Barracks Bangalore.

Amount of Estimate Rs 290/-

The Corrugated Iron urinal to
be 9 feet Diameter and 6 feet high,
and to be fixed on a stone base
(12 x 12) fixed in the ground, on
these stone wooden uprights 6 x
3 to be inserted at 3 1/2 feet apart
to fix the Corrugated Iron sheeting
a space of 2 ft. to be left for door
way. In front of this doorway
a screen of 3 1/2 feet long and 6
feet high to be erected of the
same material. Five sheet
Iron partitions 1/8 thick 2 1/2 feet
broad and 3 feet high should
be fixed between the urinal
tubs. The centre of the tops
of the Iron partitions will
be connected with 1/2 inch
rod iron to keep them firm.

Over the uprights Carrels
of (9 x 3 x 2) to be fixed for support-
ing crosssummers 3 x 5, these
crosssummers to be halved
and

4
16/6 June 77 J.B.H. 1117

and bolted together at the angles
and the hip rafters notched
into them. The rafters 2" x 8" to be
nailed at every hip and another
between them. The upper ends
of these rafters to be battened
on the wrought Iron round
plate 12 inches diameter and
1/2" thick fitted on a 3 inches
wooden plank of the same
diameter which will be fixed
on the top of Centre post.

The whole of the roof to be
covered with jungle wood plank
8" x 4". These will overlap
each other by not less than
1/2 of their breadth.

A wooden pinnacle of
the shape shown in the Elevation
shall be fixed on the
apex of the roof.

An ornamental board
6" broad and 1/2" thick to be fixed
around the eaves of the roof
as shown on the Plan.

All the above woodwork
to be made of well seasoned
jungle wood free from all
Shakes &

Shakes and knots & neatly
finished off.

All joints of the shunting
will be thoroughly rivetted with
2" over laps.

The wood work of the roof
both in and outside to be coated
with two coats of Carsons anti
Corrosion chocolate color paint.

For Office Henry W. Liberty
Bangalore
9th May 1977
Major P. C.
District Engineer

Lib

From
5376a
The District Engineer
Bangalore,

To
The Chief Engineer
Roads and Buildings
Madras.

Dated 28th May 1899.

Recd.

Estimate & Specification
for constructing a Corru-
gated Iron Urinal for
the new Canteen at the
Parade Barracks at
Bangalore, -

Amounting to Rs 290-00

Head of Service - Imperial

Fund. - Military

Class. - Military Works

Main-head. - Military

Sub-Head. - Military Buildings

Section. - Accommodation for European Infantry -
Sub-head.

~~Project of which the works form part.~~

Work. - Urinals for new Canteen, Parade Barracks,
Bangalore -

Amount. Rs 290

To be carried out by the Public Works Department.

Printed in the margin of - G.O. No. 217, 1899

By C. Ho. June 11/99

"Roads and Buildings"

DISTRICT ENGINEER'S OFFICE

No. 48.

BANGALORE 28th May 1877.

From

The District Engineer

Bangalore.

The Chief Engineer, S. M. Dept.
Roads & Buildings Branch
Mysore.

Sir,

I have the honor to forward herewith, for the sanction of Government, a Plan and Estimate amounting to Rs. 29000 with specification for constructing a Corrugated Iron Enclosure for the New Canton in the Mysore Barracks at this Station.

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

I have the honor to be

Sir,

Your most Obedient

Thos. Stuart Major D.O.
District Engineer.

Roads & Buildings.
From
The District Engineer
Bangalore.
To
The Chief Engineer
Roads & Buildings Branch,
Madras.

No 48.

Dated 28th May 1877.

Encls. 1 Plan & Estimate.

* Given to Librarian

Corrugated Iron Urinals
Forwarded for the sanction
of Govt. a Plan & Estimate
with specification for
constructing a — for the
New Canteen in the Parade
Barracks at this station.

By 16 June 1877 S. B. 1147

No 252W Public Works Department
Proceedings of the Madras Government
Under date the 16 June 77
Read the following:-

From the District Engineer Bangalore (H. E. No 48 dated 28th May 1877).

The plan and estimate
of Rs: 290 for constructing a build-
ing for the urinals of the New
canteen at the Parade Barracks
Bangalore is sanctioned.

2. The District Engineer
will provide the requisite funds
from ^{the grant for} Minor New Works, Imperial,
at his disposal.

3. This sanction is Re-
gistered as Imperial No 23B

of 1877-78.

W.H.
13.6.77

W.H.

Sd/- Bangalore

In P.W.D.

Eng. Dist.

Dr. 21. 6. 77

H. Attch

Building & Roads
Q. 10,537 Military works.
C. P. of 1877

PUBLIC WORKS.

To The L & Bangalore.

Dated

10/5/81

For

Recd.

16 June 1881 252 W

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The —, Sanctioned

Encl. in Reg.