

(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.	608	Press
~~B.P. No.~~		~~Mis.~~
178-179.		
Dated	7. 3. 1874	195 .

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
7th March 1874.*

No. 178. Read the following letter from Colonel E. A. FOORD, R.E., Inspecting Engineer for Civil and Military Buildings, to Colonel G. W. WALKER, R.E., Secretary to Government, Public Works Department, dated Chepauk, 9th February 1874, No. 205.

With reference to G. O., No. 76, dated 12th January 1874, I have the honour to forward a revised estimate of Rupees 12,470, accompanied by a plan and specification, for constructing sick horse lines for the Royal Horse Artillery at Bellary,

- 1 Plan.
- 1 Estimate.
- 1 Specification.

providing for a verandah of only 5 feet in width.

2. Bengal terrace has now been substituted for the light pukka terrace allowed in the original estimate, as the slope in the verandah, on account of reduction in width from 10 to 5 feet, admits of the former description of terrace.

3. As it would take a long time to draw this large plan over again, and in order to avoid further delay, the original plan has been retransmitted by the District Engineer with the necessary corrections made therein. The estimate has been reduced from Rupees 13,355 to Rupees 12,470.

3. I beg to state that the District Engineer in estimating, in the first instance, for a verandah 10 feet in width, acted in accordance with the instructions in the Public Works Code, Chapter XXIII., paragraph 3, and in accordance with the order of Government of 29th November 1872, No. 2802.

No. 179. ORDER THEREON, 7th March 1874, No. 608.

MILITARY WORKS, No. 8.

THE revised estimate of Rupees 12,470 for sick horse lines for the Royal Artillery at Bellary is sanctioned.

2. The Inspecting Engineer for Buildings and District Engineer of Bellary are informed that even the wishes of Commanding Officers are not to be complied with, in opposition to the expressed intentions of the Government, and when involving comparatively excessive outlay; intimation of which can always be given them with perfect courtesy.

(True Extract.)

Colonel, R.E.,
Secretary to Government.

To the Inspecting Engineer for Buildings.

„ District Engineer, Bellary.

„ Officiating Controller of Public Works Accounts.

„ Military Department.

Exd. T. O'Connor.

Spare Copies

is now being read, please

Gobt. of 1874 Madras.
PUBLIC WORKS.

To

THE INSPECTING ENGINEER FOR
BUILDINGS.
&c., &c., &c.

Dated March 7th.

Recd.

Encl.

G. O., 7th March 1874, No. 608.

MARCH
Nos. 178-179

See Horse Lines, Royal Horse Artillery
B.M. 17. — Revised estimate of Rs. 12,450
for six horse lines for the Royal Artillery
at Bellary, sanctioned with observations.

Extract from M. Code Chap. XXIII

3. Every Member of the Department
shall be bound to comply with the re-
Department to comply with
comply with requisitions, and to act in conformity with
wishes and to treat
Commanding the wishes of Commanding Officers when.
Officers with
becoming respect. even he can do so without infringing
Departmental Rules; and he shall
at all times treat Commanding
Officers with becoming respect.

Specification to accompany
the Estimate for the New sick
Horse^{Pen} for the Royal Artillery
at Bellary

Estimate Rs 9080-^{12,470}
including the cost of the ^{13,230} ~~materials~~

* a separate specification is attached

The Accommodation to be
provided is as follows:-

- I 10 Open stalls - 15' x 10'
- II 10 Loose boxes 15' x 15'
- III One Slinging Shed - provided
with the proper slinging apparatus
- IV One boiler shed for hot
water with an iron boiler to boil
10 Gallons, with stop cock and
Cover Complete
- V One Cold water Cistern to hold
40 Cubic feet - 7' long x 3' wide x 3'
deep

This to be placed opposite
to the Slinging Shed, placed

2
against the screen wall, and
to be built with ^{stone} and Chumam.

VI A Screen wall in front
of the lines — 6 feet high and
18 feet high with one opening $\frac{1}{2}$ 7
feet wide in the center.

VII A Surgey room 15 x 15 — and
an Orderly Smiths room 15 x 15
to be built opposite the center of
the lines — 40 feet away from
the screen wall. These 2
rooms are to have a verandah all
round 9 feet in width, and a
gravelled space all round of
10 feet in width. A gravelled
walk 6 feet wide will connect
them with the Lines.

VIII A Clay wall built
in the usual way and 6 feet in
height will run from the North
West angle of the Sick lines

3
to the South West angle of
the garden as shown on figure No 1
IX All these works are
shown in position and are drawn
in red on Figure No 1.

X The present sick lines
are to be removed.

2 Description of Proposed Works Open Stalls Boxes &c

I The detailed Plan is shown
on Figure No 2. The elevation
on No 3 and the general cross
section showing the roof &c on
Figure No 4.

II The whole of the front
is to be arched as shown on the
elevation; upon which also and
upon the other figures the
dimensions are marked.

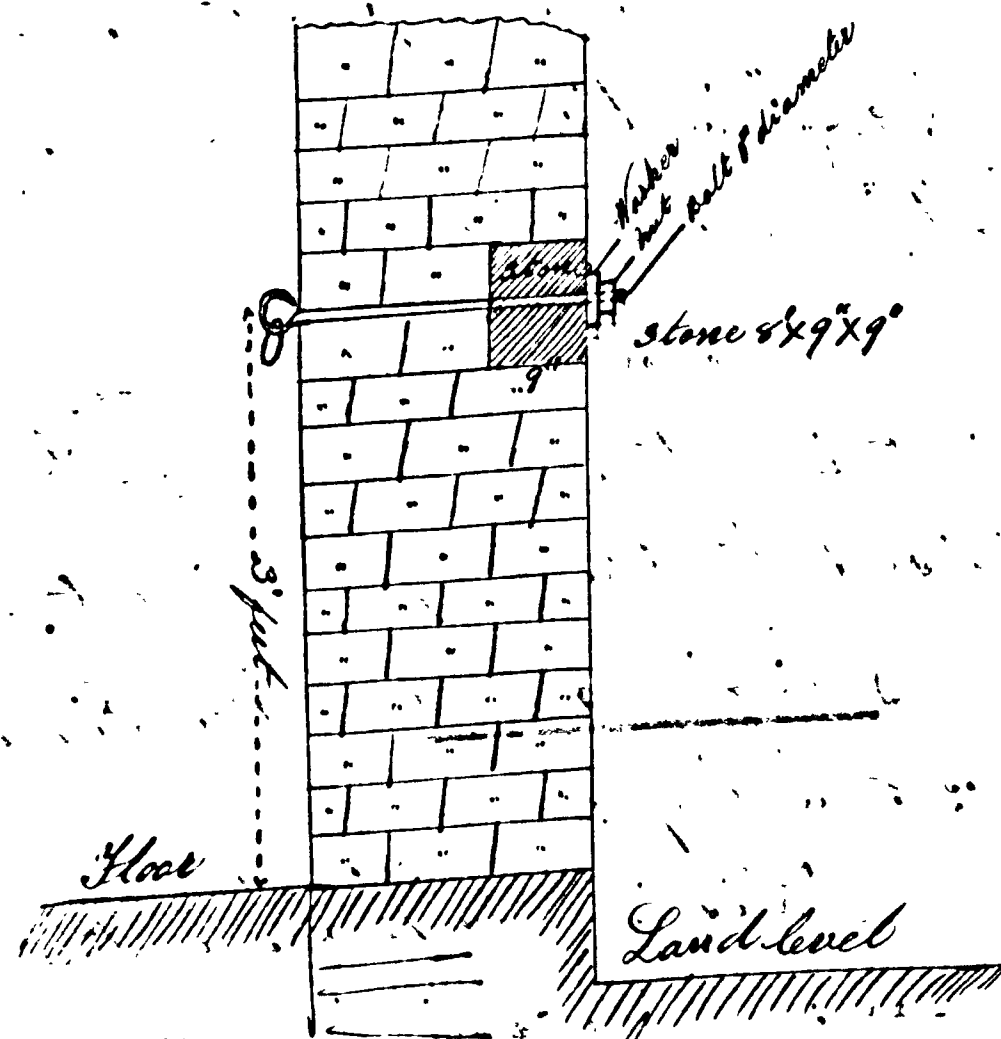
III The floors of the stalls,
Boxes &c and of the open yard

are to be 12 inches above the land level, and to be of a mixture of Clay, sand, and

Cow dung; - well rammed and to have a slope towards the outside of 1 in. 30 in. Openings at intervals of 10 feet to be left in the screen wall to allow the water to flow on to a shallow channel which will be constructed outside the wall to convey the water to the nullah. As the soil is hard this channel need not be paved.

IV Each stall is to have 3 iron rings attached to the wall, 3 feet from the floor and 3 feet apart.

They are to be made thus:



A stone of 8 feet long and 9 inches square, or thereabouts, is to be built into the back of the wall. Three holes are to be bored in it 3 feet apart to take an iron bolt, 1 inch diameter as sketched above:-

The outer ends of the bolt to be tapped and the whole secured with a washer 3" square and $\frac{3}{8}$ " thick, and a proper nut. The inner end

of the belt to be looped to receive
a ring 3/4 in diameter made of half
inch round iron.

The stone and belt to be
built into the wall when it is
raised to the proper height.

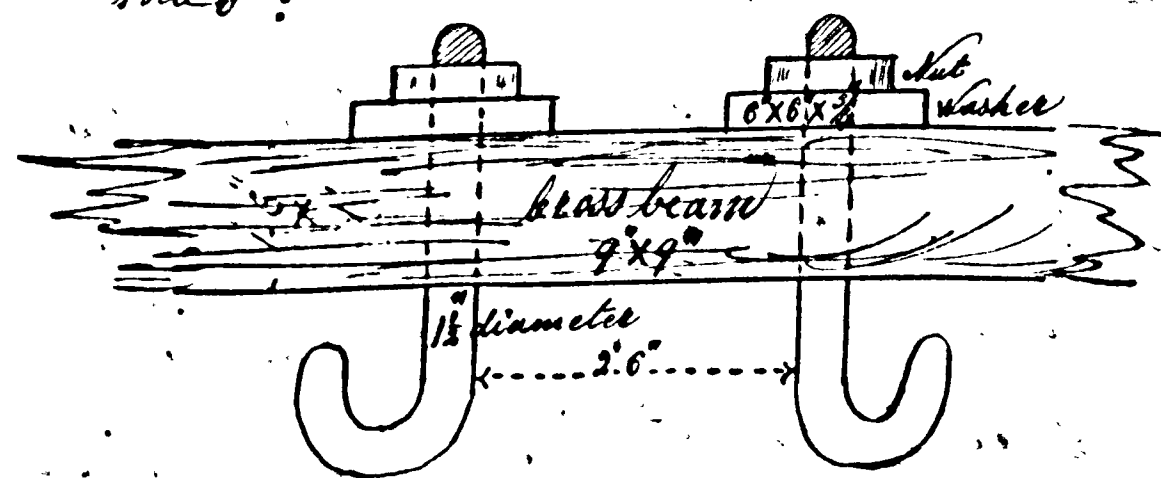
V Slings See figures
nos 5 and 9.

This is to be 15 x 15 in the
clear. The slinging apparatus
will be in the center and be as
follows: Two upright posts
of teak 9 x 9 are to be mortised
into a top cross piece of the same
dimensions and be secured in the
ground 2 feet in depth. The
feet of the uprights to rest upon
flat stones 18 x 18 x 9 well
bedded in the ground and broken
stone for 2 feet in thickness all
round is to be well rammed around

the feet of the posts.

The cross beam will go across
the shed and to be fastened into
the 2 partition walls which will
be raised for that purpose.

The bottom of the cross ^{piece}
to be 12 feet from the floor: The
uprights to be 6 feet apart
in the clear: Two iron hooks
to be fastened to the cross beam
thus:



The hooks are to be 1 1/2 inches
in diameter.

A teak shelf 12 inches wide
and 1 inch thick is to be put along
one side of the shed to hold

instruments. It will be
 1/2 feet from the ground and sup-
 ported on 2 pieces of teak
 built into the wall.

VII. Loose Boxes in the entrance
 to each box is to be protected by
 3 bars of teak 8 x 8 x 10 with
 the angles taken off. They
 are to be linked at one end to
 iron hold fasts built into
 the wall.

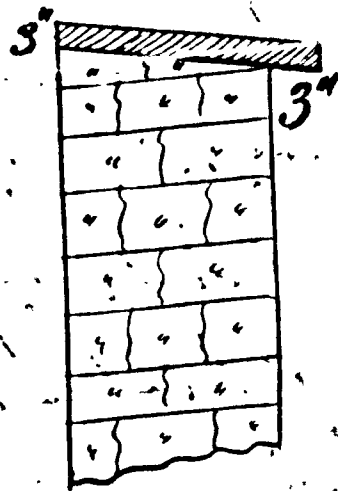
~~At the other ends~~
 will be a ~~square iron~~
 hook in which they can be
 secured with iron pins chained
 to the hooks.

VIII. Roof This is to be a
 timber trussed roof as shown in
 section A.B. figure 1st.
 The dimensions of the several
 parts are figured.

VIII. Screen Wall : This is

considered necessary on account
 of the cold North Wind which
 some times blows with great
 force, and might be detrimental
 to sick horses. It is to be
 6 feet in height above the floor
 of the yard and to be 18 inches
 in thickness. It is to be built
 with ~~stone~~ and Clay ~~and plastered with~~
 Chaux. The coping to be flag
 stones laid on this; sloping to
 the outside and projecting 3 inches.

They may be of any convenient
 thickness not less than 3 inches.



For 3 feet on each side of the

center and end openings, the wall is to be built ~~with~~ stone in Chumam

IX Surgery and Shoeing Unit
Need no particular notice: The dimensions of all the parts are shown upon the Plan: The roof of the main building to be the same as that for the sheds; except the Verandah roof which is to be a flat terrace of the usual kind.

The floors to be the same as already described except that stone slabs are to be placed between the Piers of the Verandah and at the two Doors, where, in addition to the flag in the middle there will be one inside and one outside to prevent the floor being broken up.

X Drain — The drain which runs round the present lines

will be altered as shown in red upon figure No. 1.

XI Materials are to be of the best description procurable, and are to be manipulated as described in the general Specification.

The whole of the mason work is to be stone in Chumam with the exception of the Screen wall, and the timber work.

The workmanship to be of the best description and to be to the satisfaction of the Engineer in Charge.

XII Ventilation — will be sufficient - by provided for by the openings between the top of the wall and the roof.

William Fraser L. E.

Bellary Range Office Executive Engineer
Bellary District Western Provinces
1872.

Report to accompany Estimate for
Constructing a Verandah to the Lieut Force Sta-
ble for Royal Artillery at Bellary, Vide G.O.
1872, dated 21st April 1872.

Amount of Estimate Rs 2,590-

The Verandah to be built agreeably to Plan,
on a foundation 2' high, with a basement, to
pillars, 1' high and 9" between the Pillars, the
whole to rest upon a bed of concrete 9" thick.

The length of the Verandah in the clear
will be 17 1/2 feet, & width 10' 5". The Verandah
Pillars are to be 1/2 square. The whole of
the masonry to be built with Ammur
dressed Stone in Chunnar. The Pillars
will be pointed throughout. The
flooring is to be of Cowdung sand and
clay, 3 inches thick.

The roof is to be a light Pukka Terrace
to consist of 1 brick on edge, 2 gully, and
3 courses of flat tiles and 3 coats of Plaster.

The whole of the wood work to be choul-
main Teak, well-seasoned.

The Estimate also provides for
raising the walls of the Stables 1 foot
all round, to allow of the Verandah
rafters

1872 29th April 1872
To the
The Engineer
Bellary Camp
Dated 10th August 1872
Resd
Specification to
accompany the Estimate
for Constructing a Ver-
andah for Royal Artillery
at Bellary
N. S. Bellary 10/8/72

21-09-72

Walter & Lang, Tailors.

Bureau
28th June 1873.

W. L. Lachman
Sub. Engineer U.S.N.

W. L. Lachman, Capt. U.S.N.

at the Bureau

Specification Report to
accompany Estimate for
constructing a permanent
to the New York, New York
and the New York
at New York.

Estimate No. 1000

No. 205

OFFICE OF THE INSPECTING ENGINEER
NAVY BUILDINGS,

1648
25-10-73

Bellary District

Enclosure in a letter
No. 1655 of 13 October/73
Pl. of 7th March/74.
In No 178 of 780/74
780/74
780/74

Specification to
accompany Estimate for
constructing a new sick
line for Royal Artillery
at Bellary.

Amount of Estimate Rs 1323
In No 8790
780/74

No. 205

OFFICE OF THE INSPECTING ENGINEER
FOR CIVIL AND MILITARY BUILDINGS,
Chepauk, February 1874.

From

THE INSPECTING ENGINEER
FOR CIVIL AND MILITARY BUILDINGS,

To

The Secretary to Government.
Public Works Department.

Sir,

Enclosure 3
1 Plan
1 Estimate
1 Specification

With reference to G.O. No 76, dated
12 January 1874. I have the honor
to forward a revised Estimate
of Rupees 12,470, accompanied by
a Plan and Specification, for
constructing Sick Horse Lines
for the Royal Horse Artillery at
Bellary, providing for a Verandah
of only 5 feet in width.
2. Bengal terrace has now
been substituted for the light
Bucka terrace allowed in the ori-
ginal Estimate, as the slope in
the

the Verandah, on account of reduction in width, from 10 to 5 feet, admits of the former description of terrace.

3. As it would take a long time to draw this large Plan over again, and in order to avoid further delay, the original Plan has been retransmitted by the District Engineer with the necessary corrections made therein. The estimate has been reduced from Rupees 13355 to Rupees 12470.

3. I beg to state that the District Engineer in estimating, in the first instance, for a Verandah 10 feet in width acted in accordance with the instructions in the Public Works Code, Chapter XXIII, para 3. and in accordance with the

the Order of Government of 29th
November 1872. N^o 2802.

I have the honor to be,
Sir

Yours Most Obedient Servant

E A Milford RE.
Inspecting Engineer
for Buildings

80-480

No. 205

From

The Inspecting Engineer for Buildings,

To

The *Enterprise*

[Signature]

1167

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Dated 7th Feb 1874
Recd. 10th Feb 1874

Recd. 7/10-73

11223

St. Michael's

Additional information on

Revised Estimate of 7/13/24

St. Louis, Mo., Jan. 18, 1892.

Education in Canada

Richards

for the future.

William A. Davis

William Lloyd

608

10/10/10

The raised estimate
of \$12470 for suit horse shoes
for the ^{3rd} Regt Artillery at Dallas
is disallowed.

The Instructing Critics

for Building and Street Repair

of Telling are informed that records

recipients of Commendation Officers are

not be confused with, are often taken

to the original intention of the work

• examine and compare the
expenditure entry, in the debit of a credit card

change is given from with perfect certainty

2672. *L. cinerea* fr. Bergsd.

"Candida albicans"

any more; people write.

As noted above

178-179

780

Govt. of 1874 Madras.

PUBLIC WORKS.

To *The Inspecting Engs*
for Buildings

Recd

Encl. 2

G. O. 7th March 1878.

Nos. 1781/79

Sick Horse Lines -
Royal Horse Artillery
Bellary

(Revised Estimate of
No. 12470 for Sick Horse
Lines for the Royal
Artillery at Bellary
sanctioned into G.O.
No. 12470 -