

(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.	1139	Press
B.P. No.		Mis.
323-324		
Dated	19. 4.	1873.

Not to be folded or roughly handled

18

*Proceedings of the Madras Government, Public Works Department,
19th April 1873.*

Read the following papers :—

No. 323. From Captain H. VIBART, R.E., District Engineer, Bangalore, to Colonel G. W. WALKER, R.E., Chief Engineer, Public Works Department, dated Bangalore, 31st January 1873, No. 925.

I HAVE the honour to forward for sanction an estimate of Rupees 124, with Plan and Specification, for constructing splinter proof chamber for Artillery Range, prepared on a requisition from the Military Authorities.

2. The Plan and Estimate have received the approval of the Major-General Commanding the Division and His Excellency the Commander-in-Chief.

3. I am unable to point out a source from which the cost of the work can be met.

REFERRED to the Inspecting Engineer for Buildings for report as to the adequacy of the estimate.

FORT ST. GEORGE,
14th February 1873.

(Signed) G. W. WALKER, Colonel, R.E.,
Chief Engineer.

From Colonel E. A. FOORD, R.E., Inspecting Engineer for Civil and Military Buildings, to Colonel G. W. WALKER, R.E., Chief Engineer, Public Works Department, dated Chepauk, 5th April 1873, No. 350.

I HAVE the honour to return the Plan and Estimate for a splinter proof chamber* for the Artillery Range at Bangalore, which were referred* to me for report. The chamber is to protect the markers from splinters when the Artillery are practising with rifled ordnance, and the estimate appears to be sufficient.

1 Estimate, Rupees 150.

1 Specification.

1 Plan.

1 Letter from District Engineer, Bangalore, No. 925, 31st January 1873.

* Endorsement, dated 14th February 1873.

No. 324.

ORDER THEREON, 19th April 1873, No. 1,139.

MILITARY WORKS, No. 8.

SANCTIONED for execution from the allotment for Minor New Works.

(True Extract.)

(Signed) G. W. WALKER, Colonel, R.E.,

Secretary to Government.

To the District Engineer, Bangalore.

.. Controller of Public Works Accounts.

.. Military Department.

.. Inspecting Engineer for Buildings.

Exd. S. T. Austin,

11.11.11. 11.11.11. 11.11.11.

Memo.

23

After consultation in Council last Tuesday. -
February 11. th it was decided that a change should
be introduced in the system under which plans
and estimates for works required in the Military
Dept come before the Govt.

At present the requisitions made by the
Military authorities are, as far as the preparation
of plans and estimates, complied with by
the local Engineer Officer, and are counter-
signed by the General Commanding the
Division &c. The Commander in Chief,
as affording what is required by the
"Military Authorities." - They then are
examined by the head of the Public
works department & circulated for
the approval & sanction of the Govt.

It is proposed that these plans & Estimates should be communicated ~~and accepted~~ ^{& considered} after being seen by the General Comd, the Division to the head of the Public Works department & to the member of the Govt in charge of that department. The modifications or corrections of plans and estimates ^{which may be necessary,} having been made. These will then go to H.E. the Commander in Chief & to the other members of Govt.

This will afford His Excellency ^{the C. in C.} the opportunity of deciding whether the plans & Estimates ^{satisfy} afford to

the full extent, the requirements of the Military Dept. His present plans & estimates are sometimes framed which satisfy the requirements of the Military Dept, it is true, but on an unnecessary scale & at excessive cost.

What is aimed at by the proposed change is that the most careful scrutiny should take place before a plan & estimate is laid before His Excellency the Commander in Chief. Any plan which fails to provide, with reasonable economy, for a military requisition should be rejected however well conceived in other respects.

I think it would be very desirable that
the Heads of Military Departments should
have their attention called to the necessity
of very carefully considering the nature &
necessity of their requisitions - and to make
them as moderate as possible. A careful
consideration of these points at the first stage
of a requisition would probably save some
a very considerable reduction of expenditure.

I think a Circular should also be issued
by the head of the D.P.W. enjoining on
the officers of the department the most
careful consideration as to how ^{each} military
requisition can be complied with economically
as well as efficiently. - This gives additional trouble
but is becoming every day more urgently necessary
P.S.E.

I do not think we should
sanction an estimate which
in Col Walker's opinion
is inadequate. Further
explanation should be
required. I beg to point
out that pencil notes
by the Secretaries are
not correct. Remarks
intended for the information
of members of Govt should
be submitted by Messrs.
& in ink. P.S.E.

Office of the Inspecting Engineer
for Civil & Military Buildings
Cupress R. 5 April 1873.

No 350

From Colonel E. A. Ford R.E.
Inspecting Engineer for Civil
& Military Buildings

To Colonel G. W. Walker R.E.
Chief Engineer
Artillery Dept.

Enclosures 4
Estimate Rs 150.
1. Specification
1 Plan
1 letter from Chief
Bangalore No 925
31 July 73

Indorsement
dated 14 Feb.
ruary 1873.

Sir
I have the honor to return the plan
and estimate for a splinter proof
chamber for the artillery range at
Bangalore which were referred to me
for report. The chamber is to protect
the markers from splinters when the
artillery are practising with rifle &
ordnance and the estimate appears
to be sufficient

I have the honor to be,
Sir
Your most obedient servant
Edw. Ford R.E.
Inspecting Engineer for
Civil & Military Buildings

MS. A. 1. 1139773

Estimate of the probable cost of constructing
 Splinter proof chamber for Artillery Range Bangalore
 prepared agreeably to the requisition received from the
 Assistant Quarter Master General Mysore Division
 N^o 611 dated 19th December 1872.

Particulars of work ^{Measurement}
 N^o $\frac{L \times B \times D}{\text{content}}$ Total

Earth work

For backing ——— { $\begin{matrix} 21 \text{ } 75 \text{ area } 1575 \\ 2 \text{ } 16 \text{ } 60\frac{3}{4} \text{ area } 324 \end{matrix}$

Over roof — D^o ——— $10\frac{2}{3} \text{ } 8 \text{ } 2 \text{ } 170\frac{2}{3}$

Total cft. of Earthwork ——— $2069\frac{2}{3}$

Surfing

For Backing ——— { $\begin{matrix} 21 \text{ } 19\frac{3}{4} \text{ } 414\frac{3}{4} \\ 2 \text{ } 16 \text{ } 16\frac{3}{8} \text{ } 1524 \end{matrix}$

Over roof — D^o ——— $10\frac{2}{3} \text{ } 9 \text{ } 96$

Total sq. of Surfing ——— $1034\frac{3}{4}$

Stone fresh ——— $8 \text{ } 7 \text{ } 1 \text{ } 1 \text{ } 3 \text{ } 3$

Stone Bressummers ——— $2 \text{ } 6 \text{ } \frac{1}{2} \text{ } \frac{1}{2} \text{ } 2 \text{ } 2$

Stone slabs for lining to Butts $30 \text{ } 8\frac{1}{2} \text{ } 1 \text{ } \frac{1}{3} \text{ } 30 \text{ } 30$

— D^o — Roofing — D^o — $8 \text{ } 8\frac{1}{2} \text{ } 1\frac{1}{2} \text{ } \frac{1}{4} \text{ } 8 \text{ } 8$

Estimate of the probable cost of constructing
 Splinter proof chamber for Artillery Range Bangalore
 prepared agreeably to the requisition received from the
 Assistant Quarter Master General Mysore Division
 N^o 611 dated 19th December 1872.

Specification to accompany
Plan and Estimate for constructing
Splinter proof chamber for Artillery
Range Bangalore.

Amount of Estimate Rupees 124⁵⁰—

Earthwork

The earthwork for backing to be
executed in layers of one foot well
watered and rammed, and made into
the required shape as shown on the plan.

Surfing

The backing to be protected with
a layer of good turfing beaten down
and watered until it has taken root
and has become firmly connected with
the earthwork.

Lining the
earth with
granite slabs

The inside of the Vault to be
lined with stone slabs each $8\frac{1}{2}$ feet
long, 1 foot wide and 4 inches thick
fixed in the manner shown on the
plan.

Roofs of the
Splinter proof
chamber

The roof to consist of stone slabs
 $8\frac{1}{2} \times 1\frac{1}{2} \times \frac{1}{4}$ (covered with wet earth
one

1200/73
Bangalore.

2223

P. N. 755/73

12.19.19

Estimate for constructing
splinter proof chamber for
Artillery Range, Bangalore

Amount of Estimate Rs 124

12.19.19

one foot in front and 3 feet at rear
and turfed over) supported on stone
bressummers ($\frac{1}{2} \times \frac{1}{2}$) resting on stone
posts (1×1).

The seats to consist of a *Stone seat*
stone ($1\frac{3}{4} \times \frac{1}{4}$) having a smooth
surface supported on stone uprights
of one foot square as shewn on the
plan.

The excavation for floor to *Gravel*
be taken out $2\frac{1}{2}$ feet in depth and
properly levelled and watered, over
which a flooring of 6" gravel to
be laid well watered and rammed till
thoroughly consolidated.

All materials used and
work done to be of the best descrip-
tion and subject to the approval
of the District Engineer of
Bangalore

who shall have the entire power
of ordering the removal of any
work with which he is dissatisfied

Murphy *Wheat* Captain P.E.
Distt Engrs Office District Engineer,
Bangalore Bangalore.
14 January 1873

Edmond Colonel, P.E.
Inspecting Engineer for
Civil & Military Buildings

213

Referred to the Inspecting
Engineer for Buildings for report
as to the adequacy of the
Estimate.

Matthew C. Jones
Chief Engineer

For St. George
14 Febry /73

25/1990

2/20/73

From

Mr. Scott's Engineer

Orangeburg

To

Mr. Chief Engineer

S. J. P. M.

Madison

Date 31st January 1873.

Dear Sir

I have the honor to acknowledge the receipt of your letter of the 12th inst.

concerning the

proposed alterations to the

waterworks at Orangeburg

Orangeburg

Amounting to \$124.

Yours faithfully,
M. C. Jones

P.W. 1873 Reportment
from No 715.

The Sub Engineer
of Bangalore

The Chief Engineer

D. P. W. Madras

Dated 31st Jan 1872.

Recd 3rd February 73.

Encl. 3. P.W. 2223/73

Y^x 1 warrant
for awarding for

Sanction on estimate
of Rs 124 with plan

and specification for
Constructing Splinter

proof Chamber for

Artillery Range.

Y^x 1 warrant
for awarding for

No 1139
Sanctioned, Memorandum
for specification for
the splinter proof chamber
of the Artillery Range
for the purpose of
specification of plans.

MMW

7.4.73

W. J. C. Large Bangalore

Controller of

Public Works

Recd 21-4-73.

P.W. 2223. 24.4.73

