

(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.	1793	Press
B.P. No.		Mis.
193-194		
Dated	11 4	18 73

Not to be folded or roughly handled

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*Proceedings of the Madras Government, Public Works Department,
11th July 1873.*

No. 193. 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, 21st June 1873, No. 669:—

WITH reference to G. O., No. 79, dated the 13th instant, I have the honour to submit herewith, for the sanction of Government, a plan and estimate of Rupees 570, accompanied by a specification, for the erection of a store-shed on the Ulsoor Rock at Bangalore for the use of the Army Signalling School.

1 Plan.
1 Estimate.
1 Specification.

No. 194. ORDER THEREON, 11th July 1873, No. 1,792.

MILITARY WORKS, No. 7.

SANCTIONED from the balance of the Reserve under Military.

(True Extract.)

Colonel, R.E.,
Secretary to Government.

To the District Engineer, Bangalore.
" Inspecting Engineer for Civil and Military Buildings.
" Officiating Controller of Public Works Accounts.
" Military Department.

Exd. S. T. Austin.
Spare Copies.

Military

Bangalore District

New Work

Abstract Estimate for 1873-74.

Work - Constructing a Store Shed, for the Army Signalling School, on the Ulsoor Rock at Bangalore.

Quantity	Description of Work	Rate Per	Amount	Total
131	Cft of Cutting out Rock	2 6 Cft	20	
170	d ^o Filling in with Concrete	3 3 "	35	
169	d ^o Basement, brick in Chumam	2 6 "	26	
623	d ^o Superstructure	2 9 "	107	
14	d ^o Archwork	4 "	4	
13.36	Sqrs of Plastering with two coats of Chumam	2 8 " Sqrs	33	
6.88	Sqrs of Whitewashing	3 "	1	
6.48	d ^o Bluewashing	4 "	2	
52-8-14 46-4-9 1/2	Cft of Teak wood wrought and put up	3 8 " Cft	184 162	
28	No of Nails 8" long	" " 8 Each	1	
4.52	Sqrs of Bengal terrace with teak reapers, nails, 4 Courses of flat tiles and plastering	19 " " Sqrs	86	
1	Pair of Battened door (3x7), frames (4 1/2 x 3 1/2) with strong hinges, bolts locks &c	21 " " Each	21	
1	Pair of Battened window (3x5) frames (4x3) with iron works &c complete	15 " " d ^o	15	
3.47 3-11	Squares of wood oiling with two coats	2 " " Sqrs	76	

Carried Over 542
549

133

Brought Over

542

515

+30 Squares of Painting with
chocolate color two coats.

5 " " Sqs

7

526

549

24

Sundries

Total Estimate Rupees

570

550

Dist. Engineer's Office
Bangalore 17th June 1873.

Signed Henry M. Vibart. Capt. R.E.
District Eng. Bangalore

Edwd Colonel R.E.
Inspecting Engineer for
Civil & Mil. Buildings.

Camp
1873

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Bangalore District.

Encl. in a letter W-669
21 June/73.

P.W. 3595/73.
G.O. No. 179291-7-73
Abstract Estimate for
Constructing a Store Shed
for the Army Signalling
School on the Ulloor Rock
at Bangalore 570.
Estimate Rs 550.

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Specification to accompany
Plan and Estimate for construct-
ing a Store Shed ^{for Army Signalling School} proposed to be
built on the Ulloor Rock at
Bangalore.

Amount of Estimate Rs ~~550~~ ⁵⁷⁰.

Cutting
out rock

The rock to be cut in on
three sides ($1\frac{1}{2} \times \frac{1}{2}$) for foundation
of side and front walls of Shed as
shewn on the plan and the space to
be filled in with brick in chunam.

The floor of the shed to be
made as follows. The rock to be
cut out 9' deep from the Filter wall
8 feet wide and throughout the
entire length of the room. The
space between the rock and front
wall of Shed. to be filled in
with concrete as shewn on the
plan.

Basement

The walls of the store shed
Superstructure to be built with best bricks ($9 \times 4\frac{1}{2} \times 2\frac{1}{4}$)
in

in chunam (3 parts of sand to two of fresh and well burnt lime), slaked on the work. The bricks to be soaked in water before they are used and English bond to be observed throughout.

The arches to be neatly Arch work turned and only selected hard bricks used. The joints all to radiate correctly according to the nature of the arch. Bricks to be ground down to required shape and the key bricks to be well driven home, joints not to exceed $\frac{1}{4}$ thick and to be scraped out before plastered.

The joints to be scraped. Plastering out and the walls plastered inside and outside with two coats of chunam first coat to consist of one part of lime to $\frac{1}{2}$ of river sand well ground together, and the second coat

coloring

coat to be of 3 parts of lime to one of white sand well smoothed off. The shed to be blue washed outside and to have a uniform color throughout, to be approved of by the District Engineer, and to be white washed inside each with two coats.

The following proportions to be used in mixing the blue wash:-
For Blue washing 10 sq ft. two coats:-
Charcoal sufficient to give slate colour.
1 Parah of stone chunam,
 $\frac{1}{2}$ Pollund of gum,
 $\frac{3}{4}$ Measure of raw rice.
For Whitewashing 10 sq ft. two coats:-
1 Parah of stone chunam,
 $\frac{1}{2}$ Pollund of gum,
 $\frac{3}{4}$ Measure of raw rice.

The

The whole of the timber to be of well seasoned and sound teak free from all shakes and knots and neatly finished off. No timber to be put up until passed by the District Engineer.

Roofing
The roof of the shed to be Bengal terraced with four courses of flat tiles laid in strong chinam and 3 coats of plaster with teak reepers ($2\frac{1}{2} \times \frac{3}{4}$) supported on rafters ^{$3\frac{1}{2} \times 8$} placed $1\frac{1}{2}$ feet apart from centre to centre nailed on the wall plates (4×2) placed over the walls as shown on the plan.

Door
One Battered door (3×7) frames ($4\frac{1}{2} \times 3\frac{1}{2}$) door plank $\frac{1}{4}$ thick with strong hinges, hooks, locks &c complete to be provided and

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and fixed to the position shown on the plan.

Windows
One battered window (3×5) frames (4×3) plank $\frac{1}{4}$ inch thick with fittings &c complete to be provided and fixed to the position shown on the plan.

Woodwork
The wood work of the roof to be coated with two coats of wood oil.

Painting
The door, window, and ends of rafters projecting on outside wall to be painted with two coats of barsons anti-corrosive paint, chocolate color.

All materials used and work done to be of the best description and subject to the approval

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.

Henry M. Mearns.

District Engineer's Office
Bangalore
17th June 1873

Captain R. E.
District Engineer
Bangalore.

From The District Engineer
Bangalore

To The Inspecting Engineer
for Civil & Military
Buildings

Enclosed in a letter No. 669 of 17th June 1873.

Dated } 17th June 1873.

Received } Specification to accompany
my estimate for
constructing a Store
shed for Army Signalling
School proposed to be
built on the Elson
Rock at Bangalore.

G.O. No. 1792 of 11-7-73 570

Amounting to Rs. 550

P. No. 3595/73.

155
OFFICE OF THE INSPECTING ENGINEER,
FOR CIVIL AND MILITARY BUILDINGS,
Chepauk 21 June 1873.

No. 669

From

THE INSPECTING ENGINEER,
FOR CIVIL AND MILITARY BUILDINGS,

To

THE *Secretary to Government*
Public Works Department

SIR,

Enclosures 3.

1 Plan
1 Estimate
1 Specification

With reference to G. O. No. 49.

dated the 12th Instant, I have the
honor to submit herewith, for the
sanction of Government, a Plan
and Estimate of Rs. 540, accompanied by a
specification, for the erection of a Store Shed
on the Wheel Rock at Bangalore, for the use
of the Army Signalling School.

I have the honor to be,
Sir,
Your most obedient Servant,

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Ed. Arid Colonel, R. E.,
Inspecting Engineer for
Civil and Military Buildings.

P. M. 1843 Nepal

No. 1059

From

No. 3595.

The Inspecting Engineer

for Buildings,

To

The Secretary to Government

P. M. D. P. M.

Dated 21st June 1843.
Recd. 23rd 1843.

Enclosure of 13th June.

Submitted for sanction
a Plan & Estimate of Rs 570
for the erection of a stone wall
on the Upper Road at
Bungalore, for the use
of the Army Signalling
School & the Ordnance

Recd to P. M. 23 June 1843

P. M. 1843-44

1843-44

of the Revenue under the following
sanctioned from the Revenue
1843-44

Dr. P. M. D. P. M.
for Buildings
1843-44
1843-44

1843-44
1843-44

Op. 3595
Govt. of 1873 *Madras*
PUBLIC WORKS.

To *The Commr. Engrs.*
Bangalore.

Dated *22*

Recd

Encl.

G. O. *11th July* 1873, No. *1792*

Nos. 193-194.

Shed on the *10* Uloom
Track at Bangalore.

Est of Rs. 57⁰⁰ for the
erection of the shed
mentioned.