

(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.	610 - (w)	Press
~~B.P. No.~~		~~Mrs.~~
Dated	3.3.	1875.

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
3rd March 1875*

Read the following letters :—

No 99 From Captain H. M. VIBART, R. E., District Engineer, Bangalore, to Colonel G. W. WALKER, R. E., Chief Engineer, Public Works Department, dated Bangalore, 27th January 1875, No. 207.

I HAVE the honor, in accordance with G. O., No 180, dated 21st December 1874, to forward a detailed estimate for removing and rebuilding fire places for gram boilers, Royal Horse Artillery, amounting to Rupees 620. The original cost of putting up boilers cannot be ascertained. The present boilers were put up, it is believed, by the horsekeepers of some battery about eighteen years ago. There is no chimney, nor are there any flues round the boilers. It is proposed now to rebuild the fire places, add flues, and construct a chimney through the roof.

2 The estimate has been prepared at the requisition of the Officer Commanding the Division, and has met with the approval of 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, as the allotment under the head Minor New Works for the current official year has already been exhausted.

No 100 From the same Officer, dated Bangalore, 16th February 1875, No 219.

With reference to your memorandum, No 131, dated 4th instant, I have the honor to forward, herewith, a plan showing the proposed alterations to gram boilers in Royal Horse Artillery gram boiling shed, Ulsoor Barracks, at Bangalore.

No. 101. ORDER THEREON, 3rd March 1875, No. 610.

MILITARY WORKS, No 2

THE estimate amounting to Rs 620, for removing and rebuilding fire places for gram-boilers in the Royal Horse

Artillery gram boiling shed at Bangalore, is sanctioned. The District Engineer will apply for funds in April next.

(True Extract)

Colonel, R. E.,
Secretary to Government,

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

Exd S. T. Austin.
Spare Copies

Fort St. George
4th February 1875

No 131

Memorandum

Before submitting letter
no 207 dated 27th January 1875 from
the District Engineer Bangalore,
for the orders of Govt., the Chief
Engineer requests that Officer to
be so good as to forward a plan
showing the alterations and
additions proposed
(By order)

(Sd) A. de C. Scott Major R.E.
To The Dist. Engr. Bangalore - Under Secy to Govt. M.O.

General Estimate
of the probable cost for

1874

under the

estimation of the probable cost for
removing and relaying gram boilers in P. H. A
Gram boiling shed Elloor Barracks prepared
agreeably to the requisition received from the A. S. M. General
M. O. No. 457 dated 12th October 1874.

Estimate of the probable cost for
removing and relaying gram boilers in P. H. A
Gram boiling shed Elloor Barracks prepared
agreeably to the requisition received from the A. S. M. General
M. O. No. 457 dated 12th October 1874.

Particulars of work Measurement contents Total
in L B D

Dismantling old fire					
places and removing debris	9	4 1/2	9	36 1/2	36 1/2
Rebuilding with fire					
brick in clay	16	7 1/2	6	720	720
Stone slabs under fire bars	2	8 1/2	2 1/2	2	2
Brick in Mud under					
Steps	5	2 1/4	3	33 3/4	33 3/4
Flat stones for steps	6	3	5	18	18
Chimney					
Fire brick in clay		3 1/4	4	42 1/4	42 1/4
Brick in chunam	9	3 1/4	3 1/4	95 1/6	95 1/6
Plastering					
Flues	4	6 3/4	3	81	
Chimney		13	4	52	
Inside	2	16	5	160	
	2	6	5	60	
Total Qty of Plastering chunam mixed with Cow dung sand and a portion of clay					353

Particulars of work	Measurement				Contents	Total
	No.	L	B	D		
Pointing outside	4	3 $\frac{3}{4}$	16		208	208
<u>Plastering</u>						
Gram boilers side	2	7 $\frac{1}{2}$	4 $\frac{1}{2}$		144	31
ends	2	7 $\frac{1}{2}$	4 $\frac{1}{2}$		67 $\frac{1}{2}$	
Total Sqrs of Plastering with Chuanam					211 $\frac{1}{2}$	
Fire bars	12	6 $\frac{1}{2}$	2 $\frac{1}{2}$	1 $\frac{1}{4}$		
Do	8	5 $\frac{3}{4}$	2 $\frac{1}{2}$	1 $\frac{1}{4}$		

Abstract Estimate of the probable cost for removing and relaying gram boilers in P. H. Algram boiling shed Elhor Barracks prepared

Quantity	Description of work	Rate	Per Amount	Total
365	Cft of Dismantling Old fire places & removing debris	2 cft	4	
2720	Cft of rebuilding with fire brick in clay	93	416	
2	Nº of slabs under fire bars	112.8	4	
34	Cft of Brick in mud	1.9 cft	4	
18	Cft of Steps flat stone	4.0 cft	5	
42	Brick (Fire) in clay	93 cft	24	
95	Cft of Brick in chuanam	210	17	
353	Sqrs of Plastering with chuanam mixed with cow dung, sand and a portion of blue clay	28.0 Sqrs	9	
208	Sqrs of Pointing	112.0	4	
211 $\frac{1}{2}$	Plastering	28.0	5	
	<u>Fire bars</u>			
12	Do Do 6 $\frac{1}{2}$ x 2 $\frac{1}{2}$ x 1 $\frac{1}{4}$			
8	Do Do 5 $\frac{3}{4}$ x 2 $\frac{1}{2}$ x 1 $\frac{1}{4}$			103

Carried over 595

Quantity Description of work Rate Per Amount Total
 Brought over 595

Sundries	595
Total Estimate Refries	25

District Engineer's Office
 Bangalore
 16th January 1875

Mr. H. V. B. Captain B.
 District Engineer Bangalore.

[Faint handwritten notes and signatures, including "M. H. B." and "A. P."]

Specification to accompany
 an Estimate for removing and rebuilding
 dung gram boilers in P. S. A gram
 boiling shed Elloor Barracks. 5+

Amount of Estimate Rs. 620--
 The present fireplaces will be dis-
 mantled and the debris removed.

The fire places and flues round
 Boilers will be built with fire bricks
 in clay properly banded

New fire bars as per Estimate
 will be laid 1 1/2 feet above the level of
 floor of gram shed.

Flat stones will be laid as
 plates under fire bars.

The remaining portion of build-
 ing round Boilers will be of Common-
 brick in Chuanam.

Stone steps between fire places
 will be erected on a ramp of Brick in mud
 to level of top of boilers

Fire places and flues will
 be plastered with a mixture of Cow dung
 Blue clay and Chuanam

The exterior to be painted
 with Chuanam.

A chimney will be erected
 between boilers through roof of gram shed.

2 Vent i square the vent will be plastered
with clay mixed with Cow dung; portion
of chimney over boilers to be brick in Chuanam
pointed with Chuanam

The boilers will be those
already in use and will hang by about
8" of the top, the remaining portions of
Boilers will have neatly built segmental
flues round them

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

Distt Engineer
Bangalore
16 January/75.

Accepted - Captain P. R.
District Engineer Bangalore

District Engineer's Office
Bangalore 16th Feb'y 1875.

No 219

From
The District Engineer
Bangalore.

To
The Under Secretary
to Government P. W. D.
Madras

Sir,
With reference to my order
No. 131 of 4th instant, I
have the honor to forward
herewith a Plan showing the
proposed alterations to Gram
boilers in R. R. Arty. Gram
boiling shed, Wilson Barracks,
at Bangalore.

I have the honor to be
Sir

Your most obedt servant

Per J. H. B. Captain R. E.
District Engineer Bangalore.

From

The District Engineer

to

Bangalore

The Chief Engineer

P. W. D.

Madras

Dated 27th

Recd 28th January 1875.

Estimated for removal

and relaying gram boilers

in Royal Horse Artillery

granboiling shed in

Wilson Barracks at

Bangalore.

Amounting to Rs 620-0-0

Chgo 10 579

Power of ordering the removal of

619-2-76

No. 100

No. No. 610-2-3-95

I W 18/12/75
From
The District Engineer
Bangalore.
To
The District Engineer
P. H. D.
Bangalore.
Dated 16th May/75
Re 18th Dec/74
Showing the proposed
alterations to the
boilers in the
M. S. B. B. B.

No. 207

DISTRICT ENGINEER'S OFFICE.

Bangalore 18th May 1875

From
The District Engineer,
Bangalore.

To
The Chief Engineer
Public Works Department
Madras

SIR,

I have the honor in accordance with G. O. No. 180 dated 21st Decr/74 to forward a detailed Estimate for Removing and Rebuilding fire places for gram boilers B. 18 amounting to Rs. 620. The original cost of putting up boilers cannot be ascertained. The present boilers were put up it is believed by the housekeepers of some battery about 18 years ago. There is no chimney nor are there any flues, round the boilers. It is proposed now to rebuild the fire places, add flues and construct a chimney through the roof.

The Estimate has been prepared at the requisition of the Officer Commanding

Commanding the Division, and has met
with the approval of His Excellency
the Commander in Chief.

I am unable to point out
a source from which the cost of the work
can be met, as the allotment under
the Head Minor New Works for the
current official year has already
been exhausted.

I have the honor to be,
Sir,

Your most obedient servant

Henry W. Pail - Captain D.E.
District Engineer Bangalore.

25th 25th June/74
 25th 25th June/74
 25th 25th June/74

25th 25th June/74
 25th 25th June/74
 25th 25th June/74

25th 25th June/74
 25th 25th June/74
 25th 25th June/74

P. J. V. 1875 Dep't
 The Chief Engineer

Bangalore
 No: 207

The Chief Engineer
 P. J. V.

Dated 27 Jan/75
 Recd 29 Jan/75

Forwards a
 detailed estimate
 for removing and
 rebuilding fire
 places for frame
 boilers R. H. A.
 amounting to Rs
 620

Memo: No: 131 of 4th Feb/75
 H. No: 649. 3-3-75
 With order

The estimate amounting to Rs 620 for removing
 and rebuilding the places for frame boilers
 in the Royal Palace with the grant
 building at Bangalore is in accordance
 with the estimate submitted
 for the same.

597 / 1087

Obt. of 1875 Madras.

PUBLIC WORKS.

The Mr. Ingr
Bangalore

Dated

on

2

8 Mar 1875 No 610

No 99-101.

Gran Boiling Shed at

Bangalore - Estimate
amounting to Rs 620
for removing and re-
building five places
for gran boilers in the
Royal Horse Artillery
gran boiling shed,
same Application for