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(2) Date of repair _____

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MADRAS RECORD OFFICE

Government of Madras

Public Works

DEPARTMENT

G.O. No.	2489	Press	<i>Original</i>
B.P. No.		Mis.	
Dated	2-7-1874	195	

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
2nd September 1874.*

Read the following letters:—

No. 46. From Captain H. M. VIBART, R.E., District Engineer, Bangalore, to Colonel G. W. WALKER, R.E., Chief Engineer, Public Works Department, dated Bangalore, 6th July 1874, No. 66:—

I HAVE the honor to forward herewith, for sanction, an estimate of Rupees 1,240, with plan and specification, for carrying out certain alterations and additions to the present privies for 16 Staff Serjeants' quarters, Parade Barracks, Bangalore.

- 1 Plan.
- 1 Specification.
- 1 Estimate for Rupees 1,240.

2. The plan and estimate have been prepared at the requisition of the Officer Commanding the Division, and have met with the approval of His Excellency the Commander-in-Chief.

No. 47. From the same Officer, dated Bangalore, 14th July 1874, No. 73.

In reply to your memorandum No. 516, dated 11th July 1874, I have the honor to inform you that boxes and scoops for dry-earth are supplied by the Commissariat Department and are placed in the corner of the room containing the seats, so that the persons using the privy may apply dry-earth to the excreta.

No. 48. ORDER THEREON, 2nd September 1874, No. 2,489.

MILITARY WORKS, No. 2.

SANCTIONED. The work will be deferred until 1875-76.

(True Extract.)

Colonel, R.E.,
Secretary to Government.

To the District Engineer, Bangalore.

„ Officiating Controller of Public Works Accounts.
„ Military Department.

Exd. S. T. Austin.

Spare Copies

Specification to accompany
Plan and Estimate for making certain
alterations to the present privies for 16
Staff Sergeants Dr. Parade Barracks.

Amount of Estimate Rupees 1240.

The present screen wall will
be dismantled and the rubbish car-
ted away.

An additional room will be
attached to each privy for the storage
of earth inside measurement 8x10.

Excavation

The excavation for foundation
to be dug to a depth according to
the nature of the soil until a hard
and uniform soil be obtained.

Foundation

The foundation will be of stone
laid in chunam well bonded and
closely packed with neat joints and
at least every sixth stone to be a
through header.

Superstructure

The superstructure will be of
good sound well burnt bricks in chunam
English bond will be observed throughout
joints to be as neat as possible.

Plastering

The walls will be plastered with
two coats of Chunam plaster after the
joints have been raked out.

The

The interior of the building will color wash
be whitewashed with two coats of
whitewash and the exterior will be
blue washed so as to correspond
with the remainder of the building.

A ridge ventilator will be
provided for the present roof of the
Privy as shown on the plan.

Stone lintels will be placed
over the doorway and ventilating
swing windows. The stone to be $(5 \times 1\frac{1}{2} \times \frac{1}{2})$
and to extend one foot on each side
of the opening.

The present floor of the Privy
will be removed and remade with one
foot of clay and 6 inches of sand: and
the new room will be floored with stone
slabs laid on a layer of concrete 3
inches in thickness.

The roof of the proposed room
will be Bengal terrace composed of 4
courses of flat tiles laid in chunam & 3
coats of plaster with teak keepers supported
on joists placed 12 feet from centre to
centre resting on wall plates.

A new battened door (3×6) with
a

a frame $\frac{1}{2}$ will be provided for the present
privy as also a glazed ventilating swing
window $(3 \times 1\frac{1}{2})$ with frame $\frac{1}{2}$.

The plank for privy seats will
be 2" thick, 2" broad and 9" long supported
on wooden brackets $(3\frac{1}{2} \times 2\frac{1}{2})$ inserted one
foot into the wall: and iron partitions
 $\frac{1}{8}$ " thick and 5' high will be placed
between the seats as shown in the plan.

The cistern for the earth stone will
be covered with a teakwood covering
plank having 1" thickness with frames $\frac{1}{2}$.

A box $2\frac{1}{2} \times 1\frac{1}{4} \times 1$ inside measure
ment and scoop will be provided
for the privy.

The wood work of the roof will
be coated with two coats of wood oil, the
door and the rafters projecting
outside being painted with two coats
of chocolate color paint.

All materials used, and work
done will be of the best description and
subject to the approval of the District
Engineer, who shall have the entire power
of ordering the removal of any work with
which he is dissatisfied.

Henry W. Stewart
Captain R.E.
District Engineer, Bangalore.

Lt
Distt Eng^g Office
Bangalore
26th June 1874

No. 73

DISTRICT ENGINEER'S OFFICE.

Bangalore 14 July 1874

From

The District Engineer

Bangalore

To.

The Under Secretary to Govt
Public Works Department.

SIR

In reply to your memorandum
No. 516 dated 11th July 1874, I have
the honor to inform you, that boxes
and scoops for dry earth are
supplied by the Commisariat Dep
and are placed in the corner of
the room containing the seats,
so that the persons using the
privy may apply dry earth to the
sukreta.

I have the honor to be

Sir

Your most Obedient Servant
Henry Robert Captain R.E.
District Engineer, Bangalore

From
The District Engineer
Bangalore
To
The Under Secretary
Public Works Department.

Recd 6/11/74
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Particulars of work

Measure
No. 2 B D Contents Total

Wismarburg

Estimate of				
Work to be done in the present wall				
Doorway to be opened	Rectangular portion	1	3 1/2	6 27
in the present wall	Archwork	1	4 1/2	1 1/2 10 1/8
	Holes behind the seats	2	1 1/2	1 1/2 2 3/4 10 1/8
Coping to be dismantled for building new wall on top		23	1 1/2	3 1/4 25 1/8
		8 1/2	1 1/2	5 63 3

Dear all

W.C. - for ventilating - $\{ - 1 \quad 3 \frac{1}{2} \frac{1}{2} \quad 6 \frac{3}{4}$

Swing windows — 5 1 1/2 1/2 1/2 3 3/4

W² - Lintel stone over — $\frac{1}{2}$ — $1 \frac{1}{2} \frac{1}{2} \frac{1}{2}$ $\frac{3}{8}$

Total cft of Dismantling old wall-147

sq. of Dismantling old floor - 1 10' 8" 80' 80'

Excavation

walls for new room - 1 16 2 23 99

Side walls of Cistern - $1\frac{6}{4}\frac{1}{4}$ $7\frac{1}{10}$

Total Cft. of Excavation - 106¹²/₁₆

Total Cft of Formulation stone in Chumam $106\frac{13}{16}$

Superstructure

superstructure old
Blocking up door w/air 1 3 1/2 27

Sides of new doorway to be } 2 $\frac{3}{4}$ $\frac{1}{2}$ 6 13/

C. Q. ————— 40

Received 16
March 74

Enclosure

The Black and
the Black and

THE

1874-75
Nov 18 1874

63. 1846-47. N. H. 1149

Belonging
that comes to
lead to for my
with all the
their of
Council, please
Belong to all
G.L. 2: 2452 2-5000

Particulars of work	Measurements	No.	Q.	BB	Contents	Cost
<u>Superstructure (cb)</u>	B.C.	—	—	—	40½	
Sides of ventilating swing						
.. windows — D.	2	¾	½	½	3½	
Walls for new room —	1	16½	½	8	198	
— D. — over present screen wall —	1	13	½	3	58½	
Side walls of Cistern —	1	6¾	¾	¾	2½	
<u>Total</u>					313½	

Reduction

Opening in the new wall—1	3	$\frac{1}{2}$	6	27
Lintel stone over opening—1	$1\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{3}{8}$

Total Reduction - $30\frac{3}{8}$

Total of $\frac{1}{2}$ of Superstructure Brick } 90 $\frac{11}{16}$
in Churnam

Archwork

Doorway to be opened in
the present wall - $1\ 4\frac{1}{2}\ 1\frac{1}{2}\ 1\frac{1}{2}\ 10\frac{1}{8}$

Total Cft of Archwork brick in Chuanam-10/8

Plastering

Blocking up ^{all} door way — 2 6 : 4 1/2 54

Wall behind the privy

seats both sides—2 10 . 3 60

Jambos and soffits of

new door way - { 1 15 1/2" 24"

Both Sides of — Dr — 2 12 1... 24

— Dr. —	2	12	1	2
— Dr. —	2	5	1	2

184

A. C. ————— 18.

Particulars of work	No.	Length	Breadth	Content	Total
Plastering (cd)				185 $\frac{1}{2}$	
Holes behind the seats	3	7 $\frac{1}{2}$			31 $\frac{1}{2}$
	1	7 $\frac{1}{2}$	3 $\frac{3}{4}$		24 $\frac{3}{8}$
Side wall of cistern	1	6	2 $\frac{1}{2}$		15
New wall around inside	1	36	9		324
Do. outside	1	21	9		189
Do. rear wall outside	1	9 $\frac{1}{2}$	9		85 $\frac{1}{2}$
Ventilating Swing windows	1	9 $\frac{1}{2}$			40 $\frac{1}{2}$
Total sq. ft. of Plastering					895 $\frac{3}{8}$

Kitewashing

Privy	1	36	"	11	396
Bed room	1	36	"	9	324
Cistern	2	6 $\frac{3}{4}$	"	5 $\frac{3}{4}$	77 $\frac{5}{8}$

Total sq. of Whitewashing - $797\frac{5}{8}$

new as king

Front & rear walls of Privy	2	11	. 11	242
Gable end	1	13	. 1/2	19 1/2
New Room	1	32	. 9	288

Total eggs of Bluewinged - $549\frac{1}{2}$

God work

Roof work	8	11 1/2	3	5	9	7
Rafter	1	11	4	2	7	4
Wall plate	4	6	3	3	1	6

Wall plate ————— 1 11 42 1-4
partitions 4 6 33 1-6-

heights in front of iron partition - 4 6 3 3 1 1

Total cft of Seakwood wrought & put up - 11-8-4

Particulars of work	Measurement No. 2 B Content	Total
Number of nails 7" long—8	8	8
Rft of Ridge ventilator over old roof } 1	1	1
<u>Bengal terrace</u>		

Over new loom ——— 1 11 13½ . 148½

Total sq. of Bengal terrace—148½

Lintel stone over opening &
ventilating swing windows—2 (4½ 1½ ½) 2 2

Flooring

Flooring for new loom—1 9½ 7½ . 71¼

—Do.—under privy seats—1 9 2 . 18

Reduct for side walls of brickwork—5

Total sq. of Flooring—84¼

Total sq. of Levelling course of
concrete under flooring } 84¼

Flooring with one foot clay
and 6 inches sand 9½ 5¾ . 54½ 54½

Pair of battened door with frames
fittings & complete } 1 (3 . 6) 1 1

Ventilating swing windows 1 (3 . 1½) 1 1

Wood oiling two coats for
rafters—sq. 8 8¼ 1½ . 71½ 71½

Chocolate color paint

Door—1 4½ . 14½ 63½

Ventilating swing windows 1 4½ . 2½ 12½

B.O. ——— 75½

Particulars of work ^{Measurement} No. 2 B Content Total

Chocolate color paint (ed) B.O. ——— 75½

Rafters projecting on
outside to be painted—8 1 . 1½ 8½

Total sq. of Chocolate color paint—84½

Iron partitions

Between privy seats—2 4 . 5 40

Total sq. of Iron partition—40

Lt. of Iron bar on top of
iron partition ¾ 8 } 3 4½ (1476) 19926 208

No. of screw nails 1½" long—3 16 . 48 48

No. of Privy seats & complete—3 (3 x 1¾) 3 3

Wooden covering with
frames & complete
for cistern—1 (4½ x 2½) 1 1

Bones and scoops to be
provided—1 . . . 1 1

£16

Abstract Estimate of the probable cost
for making certain alterations to the present privy
for 16 Staff Sergeants Quarters, Parade Barracks at
Bangalore. vide. G. O. No. 146 dated 12th June 1874.
D. P. W.

Quantity	Description of work	Rate	Amount	Total
147 Cft.	of Dismantling walls	2 Cft.	1	86
80 Sqr.	of ——— Floor ———	8. Sqr.	65	
107 Cft.	of Excavation	1 Cft.	84	
107 —	of Foundation stone in Chunam	26	16	116
283 —	of Superstructure brick in Chunam	29	48	103
10 —	of Archwork	4	2	8
8.95 Sqr.	of Plastering with 2. sand & 1. Chunam	28. Sqr.	22	6
7.98 Sqr.	of Whitewashing	3	1	711
5.50 —	of Bluewashing	4	1	6
11-8-4 Cft.	of Teakwood wrought & put up	38. Cft.	40	140
8 Nos.	of Nails 7 long	78	48	
1 —	Ridge ventilator	10	10	
149 Sqr.	of Bengal terracing	19	28	5
2 Nos.	of Lintel stone over doorway and ventilating			
	swing windows (5 1/2 x 1 1/2)	2	4	
84 Sqr.	of Flooring with stone slabs	128	10	8
84 —	Levelling Course of concrete under flooring	5	4	32
55 —	of Flooring with one foot clay and 6 sand	5	2	12
G.O.			1969	3

Quantity Description of work Rate for Annual Total

B.C. — 1969

1 Pair of Battered door with frames fittings & Complete (3x6) 18 .. 8 18.
 1 No. of ventilating swing window (3x4) 7 .. 7 ..
 42 sq. of Wood biling two coats — 2 .. 17
 85 — of Chocolate color paint — 5 .. 44
 40 sq. of Iron partitions — 12 .. 30
 20 lb of Iron bar on top of iron partition 3 .. 3 12.
 48 No. of Screw Nails 1 1/2 long — 26 .. 10.
 3 No. of Privy Seats & Complete (3x2) 5 4 .. 15 12.
 1 Wooden covering for earth store (4 1/2 x 2 1/2) 11 ..
 1 No. of Bikes and scoops — 7 ..

Sundries — 295 63
 14 99

Total Rupees for one — 310 ..
 — for four — 1240

Ell Hugh Vivant — Captain R.C.

District Engineer's Office
 Bangalore
 26th June 1874
 District Engineer, Bangalore.

No. 66

DISTRICT ENGINEER'S OFFICE.

Bangalore 6 July 1874

From The District Engineer,
 Bangalore.

To The Chief Engineer
 Public Works Department.
 Madras

Sir,

I have the honor to forward herewith for sanction, an estimate of Rupees 1240 with plan and specification for carrying out certain alterations and additions to the present privies for 16 Staff Sergeants Quarters, Parade Barracks, Bangalore. The Plan and estimate have been prepared at the requisition of the Officer commanding the Dy. and have met with the approval of His Excellency the Commander-in-Chief.

I have the honor to be Sir

Your most Obedient Servant
 Hugh Vivant — Captain R.C.
 District Engineer, Bangalore

D. W. 15th St. N.Y.
No. 4124

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Pac. R.R. Co.

St. Paul & Northern
Pac. R.R. Co.

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for \$100,000

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deferred until 1875-76. *Given*
Sanctified - the work will be

2489

W. H. & Co. Engineers, New York

W. H. & Co. Engineers, New York

1874-75

1874-75

4124 4832V

Govt. of MSTR. BOMBAY.

PUBLIC WORKS.

The Dist. Engr.

Bangalore

2 Sept. 1874

Nos 46-48.

Rivies - Estimate

for carrying out certain
alterations to the present
privies for staff Sergeants
Quarters, Vande Barracks
at Bangalore sanctioned.
the work to be deferred
until 1875-76 —