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MADRAS RECORD OFFICE

Government of Madras

Public Works

DEPARTMENT

G.O. No.	<i>461.W.</i>	Press
~~B.P. No.~~		~~Mis~~
Dated	<i>20. 7.</i>	<i>1877</i> 195

*Original*Not to be folded or roughly handled

GOVERNMENT OF MADRAS.
PUBLIC WORKS DEPARTMENT.

20th July 1877, No. 461 W.

Buildings and Roads.

Military Works.

Read the following papers:—

No. 289. From W. B. LEGGATT, Esq., A.I.C.E., Officiating District Engineer, Bellary, to the Chief Engineer, Public Works Department, Buildings and Roads, dated Bellary, 11th May 1877, No. 607.

I HAVE the honor to submit, for the sanction of Government, an estimate of Rupees 267, accompanied by a plan and report, for converting the latrine No. 2 attached to the old Garrison Battery into a latrine for the use of the native

One Plan.
" Estimate.
" Specification.

servants of the hospital for British Troops at Bellary.

2. The Senior Medical Officer, British Troops at Bellary, having represented to the Military authorities that the new quarters for hospital servants cannot be occupied until a latrine is provided for the use of the servants, the present estimate has been framed in order to supply this want, and it has received the approval of His Excellency the Commander-in-chief.

3. Funds will be provided from the current year's budget provision for "Minor New Works, Military."

No. 289-A. Chief Engineer's Memorandum, dated 17th May 1877, No. 1,307.

No. 289-B. From W. B. LEGGATT, Esq., A.I.C.E., Officiating District Engineer, Bellary, to the Chief Engineer, Public Works Department, dated Bellary, 10th July 1877, No. 1,463.

WITH reference to the Deputy Chief Engineer's memorandum, No. 1,307, dated 17th May 1877; I have the honor to submit a revised plan and estimate of Rupees 330 for converting the latrine attached to the old Garrison Battery into a latrine for the use of the native servants of the hospital for British Troops at Bellary, and to state that the additions, &c., pointed out in the original plan have been attended to in the preparation of the revised one.

Revised papers.

One Plan.
" Estimate.
" Report.

Original papers.

One Plan.
" Estimate.
" Report.

2. The original papers as per margin are transmitted herewith for reference.

Offg. District Engr. Bellary

Bellary Division

From
The Executive Officer
In Ch. of Bellary
To
The District Engineer
Bellary
Station Bellary
Dated 14th } June 1877
Received }

Abstract Estimate for
Adopting Old Garrison Battery Latrine
No. 2 for
use of Native Hospital
servants at Bellary
amounting to Rs 333-0-0

Specification Report to accompany the Estimate for adopting Old Garrison Battery Latrine No. 2 for Native Hospital Servants at Bellary
Amount of Estimate Rs 333-0-0

The building in question is about 200 yards from the servants quarters, its interior dimensions are 30 x 10 x 10. It can be adopted according to the standard plan for 7 people at a time. There will be a screen wall 9" thick & 6 1/2' high running the whole length of the building and separating the latrine passage from the back of the seats or stalls, the seats are to be separated from each other by brick screens 4' high and will each consist of two stalls for the feet with a trough in the centre, the bottom of this trough will be saddle back rising to in the centre, the front half will slope down to the main drain and the rear half to the vent hole 9" square opening into the sweep passage from which they will be cleaned with an iron rake. A bin for dry earth will be built of 9" brick work at each end of the building. These seats will be allotted to women and four to men the division being effected by a 9" brick wall running from the rear partition wall to the front wall of the building. The main drain running in front of the seats will slope to its

Centre

600: July/77) S.B. 1877

Centre and its contents carried by a branch drain
 through the front wall of the building, it will termi-
 nate in a metal pipe over the mouth of an iron bucket
 placed in the urine cistern, this cistern will have a
 wooden cover fitting under a lead flashing to prevent
 rain running down the wall into the cistern, the cover
 will be kept in its place by an iron pin. The sweepers
 and front passages will be floored with concrete. Best
 stone concrete will be laid 1' deep under the foundations
 of the seats and troughs and 6" deep under the urine
 cisterns. The seats and their foundations will be of the
 best hammer dressed stone in Chumam, the thin walls
 for partitions, earth bins and urinals will be of well burnt
 brick in Chumam and plastered with 3 coats rubbed smooth
 but not polished. The bottoms of the troughs will be
 stone slabs to save injury from the sweepers' pokes. The
 whole of the flooring, drains, seats, partitions, bins and
 cisterns will be coated with a mixture of 1 lb. Asphaltum
 and 5 lbs. of Coal tar boiled together. A rake, iron bar-
 net, earth scoops and tub for carrying away urine will
 be provided. There are two arched entrances to the build-
 ing one of which will give access to the men's part and
 the other to the women's they will be separated by a screen
 wall 6' high. It will be necessary to make an opening
 6 x 3 in the existing side walls for the sweepers the opening
 to be protected by screen walls 6' high as shown in the
 plan.

The Estimate provides for dismantling the rear screen

wall.

All details and dimensions are given in the
plan and estimate.

Ballary
 14th June
 1877

J. V. Buckner
 Assistant Officer in Charge of
 Ballary Division

5846

From
The Executive Officer
In ch. of Quarry
To the District Engineer
Quarry
Station Quarry

Dated 14th June 1877
Recd.

Specification
Report for adopting
Old Garrison Battery
Latrine No 2 for the
use of Native Hopl.
servants at Quarry
amounting to Rs 333/-

1020: July 11 1877

Abstract Estimate

Work. Adopting Old Garrison Battery Latrine No 2 for the
use of Native Hopl. servants at Bellary.
Vide District Engineer's Endorsement No 4558 dated 15th January 1877 in letter No 118 dated
18th January 77 from the Dy Assistant D^r Mr. General.

Quantity	Description of work	Rate	Per amount	Total
63	Cft. Removing stone in clay	2 Cft.	1	
20	Sft. Slabs $1\frac{1}{2} \times \frac{3}{4}$	1.6 Sft.	6	
2	Rebuilding & pointing sides	1	each	2
12.79	Cy. Excavation	2	Cy.	2
7.46	" Concrete	3	10	27
333	Cft. Stone in chumans	2.6 Cft.	52	
277.88	" Brick	3.8	64	
8	Sft. Slabs $1\frac{1}{2} \times \frac{3}{4} \times \frac{3}{8}$	8	each	1
14	" " $2\frac{1}{2} \times \frac{3}{4} \times \frac{3}{8}$	1		14
8 ¹³ / ₁₀₀	Sft. Plastering 2 coats	4	1.4 Sft.	35
10 ⁹⁷ / ₁₀₀	" " Filling with 1 lb. asphalt	12		18
	4.5 lb. tar			
1	Line bucket for urine return	3	each	3
1	Wooden " large with cover	7		7
1	Trap door with handle & zinc flashing	5	8	6
1	Stain pipe	12		1
1	Pake scraper with blade 7 x 5	1		1
Current Cost				243

Quantity	Description of work	Rate	Per	Amount	Total
	Brought over			243	
2	Iron Waste Scoops	1	each	2	
2	_____ baskets	1	8	3	
	Total			248	
	Superintendence @ $3\frac{1}{2}$ percent			9	
	Lumbers @ $1\frac{1}{2}$ percent			4	
	Contingencies @ $2\frac{1}{2}$ percent			6	
	Total Estimate Project			267	

Bellary Range Office
21st March 1877.

[Signature]
S. H. Green

Assistant Engineer in charge Bellary Range

[Signature] S. H. Green

Offg. District Engr. Bellary

Approved

By order

S. H. Green

Offg. District Engr. Bellary

11-5-77

P.W.D. 1310
15 MAY 77

4271

From

The Officer in charge

Bellary Range

To

The District Engineer

Bellary

Dated 21st March 1877

Received

Abstract Estimate

Amounting to Rupees 267-

for adapting Old Garrison

Battery latrine 1:2 for use of

Native Hospital servants at

Bellary

40 20 July 77 Bt 2890

Specification Report to accompany the Estimate
for adapting Old Garrison Battery latrine 1:2
for Native Hospital servants at Bellary.

Amount of Estimate Rupees 267-

The building in question is about 200 yards from
the servants Quarters, its interior dimensions are 30 x 10 x 10
it can be adapted according to the standard plan
for 7 people at a time. There will be a series wall
9" thick & 6 1/2' high running the whole length of the
building and separating the sleeping passage from the back
of the latrine stalls, the seats are to be separated from
each other by brick screens 1' high and will each consist
of two stalls for the feet with a trough in the centre, the
bottom of this trough will be a saddle back rising 1' in
the centre, the front half will slope down to the urine
drain and the rear half to the vent holes 9" square
opening into the sleeping passage from which they
will be cleared with an iron rake.

A line for dry earth will be built of 9" brick work at
each end of the building & these seats will be allotted
to women & four to men the division being effected by
a 9" brick wall running from the rear partition wall
to the front wall of the building. The urine drain
running in front of the seats will slope to its centre

and its Contents Carried by a branch drain through the front wall of the building it will terminate in a metal pipe over the mouth of an iron bucket placed in the urine Cistern, this Cistern will have a wooden cover fitting under a lead of lashing to prevent rain running down the wall into the Cistern, the Cover will be kept in its place by an iron pin. The Sweepers and front passages will be floored with Concrete. Best Stone Concrete will be laid 1' deep under the foundations of the seats and troughs and 6" deep under the urine Cisterns. The seats and their foundations will be of the best hammer dressed Stone in Chumam the stun walls for partitions earth bins and Cistern will be of well burnt brick in Chumam and plastered with 2 coat rubbed smooth but not polished. The bottoms of the troughs will be Stone Slabs to save injury from the Sweepers rakes. The whole of the flooring drains, seats, partitions bins and Cistern will be coated with a mixture of 1 lb. of asphalt and 5 lbs. of coal tar boiled together. A rake, iron basket, earth scoops and tub for carrying away urine will be provided. There are two arched entrances to the building and of which will give access to the men's part and the other to the women. It will be necessary to make 2 opening 6' x 3' in the existing side walls for the Sweepers. All details and dimensions are given in the plan and estimate.

W. H. Buckle *Surveyor*

Bellary -
21st March 1877

W. H. Buckle *Engineer in charge Bellary Range.*

From P.W.D.
No. 4274
The Officer in Charge
Bellary Range

To
The District Engineer
Bellary

Dated 21st March 1877
Received.

Specification Report to accom-
pany the Estimate for adopting
old Garrison Battery Latrine
No. 2 for Native Hospital
Servants at Bellary
Amount of Estimate Rupees 264-0-0

4420: July 11 1878

No. 607

Camp Hoofste
District Engineer's Office
Bellary
11th May 1877

From The District Engineer
Bellary

To The Chief Engineer
for Buildings and Roads
Madras.

Enclosures 3/
1 Plan
1 Estimate
1 Specification

Sir, I have the honor to submit
for the sanction of your ment an
estimate of Rs 264, accompanied by
a plan and report, for converting
the Latrine No 2, attached to the old
Garrison Battery, into a Latrine for
the use of the Native Servants of the
Hospital for British Troops at
Bellary.

2. The Senior Medical Officer British
Troops at Bellary having represented
to the Military Authorities that the
New Quarters for Hospital Servants
can not be occupied until a latrine
is provided for the use of the servants,
the present estimate has been framed
in order to supply this want; and
it has received the approval of
His Excellency the Commanding Officer.

3. Funds will be provided from
the current year's Budget provision

For "Minor - new works - Military"

129

I have the honor to be
your most obedient servant.

Wm. H. D. D.

M. J. District Engineer
Portland, Me.

P.W.D.
15 MAY 77
The Offg. Dist. Engr.
Bellary.

To
The Chief Engineer
for Building & Roads.

Dated 11th May 1877.
Recd.

No. 107.

Latrine for Native
Servants of Hospital for
British Troops at Bellary.

Forwarding Estimate of
Rs. 267 for converting the
Latrine to the old Garrison
Battery into a —

Ch. No. 1307 of 17th May 1877.

No. 1307 of 17th May 1877-
From the D. Engr. Bellary
No. 607, dated 11th May 1877-

The plan and estimate forwarded
with the above letter are herewith
returned - The D. Engr. is
requested to be so good as to
submit a revised plan, estimate
and Specification, providing
for the alterations and additions
pointed out in the plan.

By H. L.
By: C. E.

The D. E. Bellary

L. G. 20th July 1877. S.B. 289

3
District Engineer's Office
Bellary
Dated 10th July 1877

From
The Offg District Engi.
Bellary.

To
The Chief Engineer
for Buildings and Roads.
Public Works Department.

Enclosures. 6.

Revised papers.

1 Plan

1 Estimate

1 Report

Original papers.

1 Plan

1 Estimate

1 Report.

Sir

With reference to the Deputy
Chief Engineer's Memorandum No.
1307 dated 17th May 1877, I have
the honor to submit a revised plan
and Estimate of Rupees 330, for
converting the Vatrine attached
to the old garrison battery into a
Vatrine for the use of the Native
Servants of the Hospital for
British Troops at Bellary and
to state that the additional points
indicated in the original plan have
been attended to in the preparation

289
G. A. 20: July 77 Dr 105-77

Copy—

of the revised one.

2. The original papers as per margin are transmitted herewith for reference.

I have the honor to be

Sir

Your Most Obedient Servant

Meyers J. J. C. C.

Offg District Engineer
Bellary.

Heads of Service

L.P.W.D.
13 JUL 77
From RQ 9 A
The Offg. Dist. Engr
Bellary.

To
The Chief Engineer
P.W.D.
Madras.

Dated 10th
Recd 11th } July/77
Recd

No 1463.

Recd 2 P.M.

Native for Native
Servant of Hospital
for British troops.
Submits a revised
Plan & estimate of Rs. 330
for converting the old
Garrison Battery latrine
into a —

G.O. 20 July/77 I.O. No. 2890

Ans 16.7.77

Heads of Service. Imperial

Fund. Ordinary

Class. Original Works

Main-head. Military

Sub-Head. Military Building

Sub-head. Accommodation for European Infantry
Section.

Project of which the works form part.

Work. Adapting old Garrison Battery latrine at
Bellary for use of Native servants of
European Infantry hospital.

Amount. Rs 330

To be carried out by the Public Works Department.

Print with G.O. No. 4611 of 20th July 1877.

Requisite funds for the
works

Handwritten text at the top left of the left page.

No. 461 W

Public Works Department.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Under date the 20th July 1877

Read the following:—

From

Secy District Engineer } (S.E. Secy 27th May 1877)
Ballary }
Chief Engineer Enns Secy 27th May 1877
Secy District Engineer } (S.E. Secy 10th July 1877)
Ballary }

The following and estimate
of Rs 320 for adapting
the old Harrison Battery
situated at Ballary for
the use of the Native
servants attached to
the Hospital for Enns.
near Infantry at
Ballary, are sanctioned.
2. Secy District Engineer
will appropriate the
requisite funds for the
work.

works from the amount
at his disposal under
Junior New York Military
for 1877-78.

This amount is returned to
Imperial No 36 B. W
of 1877-78- 14.7.77
907

S. R. Bellamy ✓
Exec. & H. Accto ✓
Mil. Depart. ✓

Depd = 27-7-77

Copy 1074

Sept. of 1877

PUBLIC WORKS.

To

Dated

Issued

Encl.

Encl.

21-7-77
O. O. 20: July 1877, No. 461 W

Nos. 289-290

Hospital for European
Infantry at Bellary. - The
plan & estimate of Rs 330 for
adapting the old garrison
battery latrine at Bellary
for the use of the Native
Cavalry attached to the
Cantonment; the D. Engrs
appropriating the requisite
funds.

*Encl. in Rep.
30-7-77*

100-21-1-77