

(1) Number of pages 12

(2) Date of repair _____

(3) Initials of the Referencer _____

MADRAS RECORD OFFICE.

Government of Madras.

Public Works

DEPARTMENT.

G.O. No. 179

(W)

Press
Mis.

Dated

19

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18 77.

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
19th January 1877. No. 179.*

No. 349. Read the following letter from Major ROSS THOMPSON, R.E.,
Officiating District Engineer, Bangalore, to Major-General G. W. WALKER,
R.E., Chief Engineer, Public Works Department, dated Bangalore, 21st
November 1876, No. 185:—

I HAVE the honor to forward herewith, for the sanction of Government, the accom-
panying plan and estimate, amounting to Rupees 270, for altering the seats in the
latrines of quarter-guards at the East and West Hutting Lines at this station.

2. The plan and estimate have been approved of both by the Major-General
Commanding the Division and His Excellency the Commander-in-Chief.

3. I am unable to point out the 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. 350. ORDER THEREON, 19th January 1877, No. 179.

MILITARY WORKS, No. 7.

(a) *Heads of Service.*—Imperial.
Fund.—Ordinary.
Class.—Original Works.
Main-head.—Military.
Sub-head.—Military Buildings.
Section.—Accommodation for Native Infantry.
Name of Work.—Altering seats in the Latrines of the
quarter-guards at the East and West Hutting Lines.
Amount.—Rupees 270.
To be carried out by the Public Works Department.

* Letter No. 2,675 of 21st November 1876.

THE plan and estimate of Rupees 270,
for altering the seats in the latrines of
the quarter-guards at the East and West
Hutting Lines at Bangalore, are sanc-
tioned.

2. The requisite funds are trans-
ferred from the amount surrendered* by
the District Engineer of North Arcot for
an Armourers' shop at Vellore.

3. This sanction is registered as
Imperial No. 120-W. of 1876-77.

(True Extract.)

(Signed) G. W. WALKER, Major-General, R.E.,
Secretary to Government.

To the District Engineer, Bangalore.

" " North Arcot.

" Examiner of Public Works Accounts.

" Military Department.

Exd. E. C. Shunker.

Spare Copies

Head of ~~work~~ Imperial
 Fund ~~work~~ Ordinary
 Class ~~work~~ Original works
 Main Head ~~work~~ Military
 Sub Head ~~work~~ Military buildings accommodation for
 Revised Abstract Estimate of 1876/77
 District Bangalore
 Work ~~work~~ Altering the seats in the Latrines of
 Quarter Guard at the East & West
 Sitting Lines Bangalore
 Vide ~~work~~ Mr. Genl. M. D. N. 327 of 14 July 1876

Quantity	Description of work	Rate	Amount	Total
128	Left of Dismantling brickwork and removing rubbish	5 1/2	2	11
83	Sqrs of removing present floor	8	6	89
74	Left of Excavation	1 1/2	6	2
611	Foundation stone in chunam	3	11	7
139	Brick in chunam	3	26	1
270	Sqrs of Plastering with chunam two coats	2 1/2	6	12
18	Cement plastering 3/8 thick	10 8	1	14
518	Sqrs of white washing 2 coats	2 9	15	11
921	Blue washing	3 3	1	13
8	Covering stone over opening 2 x 3/4 x 2	4 6	2	00
64	Sqrs of Stone flooring laid on 3" concrete & neatly pointed	17 8	11	32
			6. 0. - 65. 1	

Quantity Description of Work Rate Amount Total

Pd. A

65

741 Sp. Asphalt flooring 1/4 inch laid on 11 concrete 25 18 8

762 Sp. of Farring 1 19 11

1 Zinc Spout from channel to cistern 3 8 2 2 2

5 Bamboo mats with frames & fittings complete 1 8 7 8

6 Wooden boxes with handles 8 8 21

2 Barred wooden buckets including handles &c for win and water 3 6 9

2 Scoops for dry earth 1 2 2

2 Teak wood frames covered with perforated zinc sheet for air holes 1 8 3

Sundries 126 10

Total Rupees for one Latrine 8 6

Total Rupees for two Latrines 195

Total Rupees for two Latrines 270

Let

Dist. Engr's Office

Bangalore

9 Aug. 1876

9 Aug. 1876

9 Aug. 1876

9 Aug. 1876

9 Aug. 1876

9 Aug. 1876

9 Aug. 1876

9 Aug. 1876

Head of Service Imperial

Third Ordinary

Class Original

Main Head Military

Sub Head Military buildings accommodation for 1st

Revised Detail Estimate at 72 of 1876/77

District Bangalore

Work altering the seats and the latrines of

Quarter Guards at the East and West

utting Lines Bangalore

vide Art. 22 Mr. General's 827 d/14 July 1876

Particulars of works

Dismanling

Ventilating air holes 1 1/4 1 1/4

Present seats 2 6 3 2 1/2 90

Dry earth flat form 2 6 2 1/2 56

Total ft of Dismanling brickwork 127 1/2

Floor

Present stone floor both sides 2 13 1/4 3 82 1/2

Total for removing stone floor 82 1/2

Excavation

Wall for dry earth store 1 14 1/4 1 1/4 22 1/2

cross walls to do 3 1/2 1 1/4 1 1/4 7 1/2

Screen walls behind the 2 4 1 1/4 1 1/4 12 1/2

do sides to do 2 3 1 1/4 1 1/4 9 3/8

do cistern 3 3 2 1/2 22 1/2

Total ft of Excavation 73 1/2

Quantity	Particulars of work	Measure - ment			Content Total
		L	B	D	
	<u>Foundation</u>				
	Wall for Dry earth store	14 1/4	1 1/4	1 1/2	26 3/32
	Cross wall to De	8	1 1/2	1 1/4	2 1/6
	Screen wall behind the seats	2	1 1/4	1 1/2	5 1/6
	De sides to De	2	8	1 1/4	11 1/4
	Total left of Foundation Stone including				6 1/2
	<u>Brickwork</u>				
	Wall for dry earth store	17 1/2	3 1/4	2 1/2	25 25/32
	Cross walls to De	8	2	3/4	11 1/8
	Screen walls behind the seats	2	5	3/4	30
	De sides to De	2	8	3/4	58
	Pyals	6	3	1 1/8	24
	Ramp in front of seats	6	1 3/4	1 1/2	3 15/16
	Channel in front of seats	1	15	1	15
	Foundation to cistern	1	3	8	29
	Side wall to De	1	9	3/4	10 1/8
	Total				144 3/32
	<u>Deduction</u>				
	Holes in rear of seats	6	3/4	3/4	3 1/8
	Stone over De	6	2	3/4	4 1/2
	Total Deduction				7 9/32
	Total left of Brick in chumam				136 25/32
	<u>Plastering</u>				
	Walls for Dry earth	1	13 3/4	3 1/4	49 1/6
	Cross wall to De	8	2	3/4	34 1/2
	Screen walls behind the seats	2	5	3/4	21 1/2
	De sides to De	2	8	3/4	52 1/2
	Face to De	2	4	3/4	6
	Around the new openings	2	2 1/4	2 1/4	10 1/8
	Total left of Plastering with chunam				136 25/32

Quantity	Particulars of work	Measure - ment			Content Total
		L	B	D	
	<u>Cement plastering</u>				
	Around the cistern	1	6	1 1/2	9
	Floor to De	1	1 1/2	1 1/2	2 1/4
	Top side wall to cistern	1	9	3/4	6 3/4
	Total left of Plastering with cement				18
	<u>White washing</u>				
	Side walls of Latrine	1	10 1/4	8	58 5/8
	Side walls of dry earth store	1	8 3/4	5 1/4	27 1/6
	Screen walls & pillars at back	1	24 1/4	4	97
	Pillars over De	1	5	2	28
	Roofing to screen walls at back	2	29	3	174
	Total left of white washing two coats				579 1/6
	<u>Blue washing</u>				
	Side walls	1	2	1 1/4	6 1/2
	Screen wall outside	2	6 1/2	6	72 6
	Total left of Blue washing two coats				9 21/2
	<u>Covering stone over opening</u>				
	in rear of seats	6	2	3/4	6
	De for ventilating air holes	2	2	3/4	6
	Total covering stone over opening				8
	<u>Stone flooring</u>				
	Swifera passage behind the seats	1	13 3/4	2 5/8	36 3/32
	Space between pillars do	2	5	1/2	5
	Dry earth stores	2	5 1/4	2	23
	Total left of stone flooring laid on 3" concrete and neatly pointed				64 3/32

Particulars of work	Measure -ment	Contents	Total
L.P.D.			
Asphalte flooring			
Passage seats	1 1/2	5 3/4	13 3/4
Total Sps of asphalte flooring laid on the concrete			13 29/32
Larring			
Back wall of seats	4 1/2	4	18 1/2
Side walls of seats	2 3/4	4	11 1/4
Bamboo mats between seats both sides	5 2	2 2 3/4	22 1/2
Total Sps of Larring			42 1/4
Spirit from channel to cistern	1	8	8
Bamboo mats with iron	5	2 3/4	12 1/2
Wooden boxes with handles	6	2 1/2	15
Wooden buckets including handles for urine and water	2	2 1/2	5
Scoops for dry earth	2	2 1/2	5
Teak wood frames covered with perforated fine sheet for air holes	2	2 1/2	5

L.P.D.

Specification to accompany Plan and Estimate for altering the seats in the Latrines of Quarter Guard at East and West Butting Lines Bangalore.

Amount of Estimate Rupees 270/-

The present seats and floor of the Quarter Guard Latrines at the East and West Butting Lines to be dismantled and the rubbish carted away from the site of the work to such a distance as the District Engineer may consider necessary.

The proposed seats walls & cistern are to be built with best bricks in chunam and foundation to walls with stone in chunam. The new walls are to be plastered with two coats of chunam and cistern plastered with two coats of Portland cement. The whole of the Latrine to be white washed inside and blue washed outside each with two coats.

Stones to be placed over each opening in rear of every seat instead of arch work. The stones to be 2x9x6 and to extend 1 1/2 inches on each side of the openings.

The floor and foundation to seats to be laid with concrete 4" thick on which asphalt mixed in proportion 1 measure of asphalt to 10 of sand is to be laid $\frac{3}{4}$ " thick and well rubbed and smoothed off with wooden floats wherever blisters appear the places must be picked and well smoothed with hot iron and well rubbed, and sweepers passage and Dry earth stores to be floored with stone slabs on a layer of concrete 3" thick and neatly pointed.

The walls on three sides of the seats to be coated with two coats of coal tar to a height of 4 feet from the floor.

A zinc spout 3" dia and 3 feet long to be fixed into the wall for carrying the water and urine from the channel to buckets in the cistern.

The bamboo mats 3 feet long and $2\frac{3}{4}$ feet high to be placed between the seats with vertical pieces and spiked &c and to be coated with two coats of coal tar.

Six wooden boxes 9" broad $5\frac{1}{4}$ feet long and 11 high with iron handles of the shape shown on the

plan to be provided for each Latrine.

Two tarred urinal tubs or buckets 12 dia at top 9 dia at bottom and $1\frac{1}{4}$ feet high with handles &c to be provided for each Latrine.

Two scoops to be provided for each Latrine.

Two small air hole windows 9x9 frame $2\frac{1}{2}$ x2 and covered with perforated sheet &c to be provided and fixed in the side wall of each Latrine as shown on the Plan.

Lib Pluribus Major. P.E.
District Engineer
Distt. Eng's Office
Mangalore
9th Augt 1896

NY 8764

Imperial

Primary

Original Works

Military

Military Buildings

Accommodation for Native Infantry

Altering seats in the latrines of the
guards at the east & west hutting

Be 270

P. W.

Department

To be carried out by the S. W. Department.

Print in the margin of G. O. No. 179 of 19-1-77

No 177

Public Works Department.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Under date the 14 Jan 77
Read the following:—

From

The Dist. Engineer

Bangalore

G.O. No 1854 of 21st Nov 76

The Plan and Estimate
of Rs. 270 for altering the
seats in the latrines of the
Quarter Guards at the East
and West Skutting lines
at Bangalore are sanc-
tioned

The requisite funds are
transferred from the amount
surrendered by the District
Engineer of North Arcot
for an Annamalai Shop at
Vellore

This sanction is

+ Letter No 2675 of 21 Nov 76

Registered A.S. Imperial
No 120 W. of 1876-77

W.H.

12.1.77

8454
Govt. of 1877 Madras.

PUBLIC WORKS.

To *The N.E. Bangalore*

Dated

Issued

Recd.

Encl.

G. O., 19th Jan^y 1877, No. 179

Nos. 349. + 350. —

*Laborers of the Quarter
wards at the East end
of the Scuttling Line at Bangalore
Scheme of Rs 270 for alter-
ing the seals in the
sanatorium*

For the Ref.