

(1) Number of pages _____

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(3) Initials of the Referencer _____

MADRAS RECORD OFFICE.

Government of Madras.

Public Works DEPARTMENT.

G.O. No. 56 (W)	Press ~~Mis.~~
Dated 14-5-	1877.

Not to be folded or roughly handled

GOVERNMENT OF MADRAS.
PUBLIC WORKS DEPARTMENT.

14th May 1877, No. 56 W.

Buildings and Roads.

Military Works.

Read the following paper:—

No. 109. Proceedings of the Madras Government in the Military Department, dated 17th March 1877, No. 1,612.

Read the following:—

From Brigadier-General H. O'CONNELL, Quartermaster-General, to the Secretary to Government, Military Department, dated Fort St. George, 20th January 1877, No. 500.

With reference to Order of Government, No. 3,244, dated 9th July 1875, Military Department.

Enclosures 5.

Amounting to Rupees 990, for constructing a coach-house and stables at the quarters of the Superintendent, Government Bakery. The revised estimate has been prepared in consequence of the space for stalls in the original estimate being too short for a horse.

The Commander-in-Chief having approved the revised estimate and plan marginally noted, I am directed by His Excellency to submit them for the consideration and orders of Government.

2. If approved by Government, it is requested that the papers may be forwarded to the Department Public Works for disposal.

Memorandum from Brigadier-General H. O'CONNELL, Quartermaster-General, to the Secretary to Government, Military Department, dated Fort St. George, 12th February 1877, No. 1,094.

Memorandum, No. 589, dated 2nd February 1877, from the Secretary to Government, Military Department.

The Quartermaster-General has the honor to state that there are at the Government Bakery, stables for fourteen mules and the coach-house and two stalls recently erected under sanction of G.O., No. 3,244, dated 9th July 1875. These two stalls, as originally estimated for, being too small, were enlarged, and a revised estimate forwarded with this office No. 500, dated 20th January 1877.

APPROVED.

(True Extract.)

(Signed) J. MICHAEL, Colonel,
Secretary to Government.

PUBLIC WORKS DEPARTMENT, 14TH MAY 1877, No. 56 W.

No. 110.

ORDER THEREON, 14th May 1877, No. 56 W.

Heads of Service.—Imperial.

Fund.—Ordinary.

Class.—Original Works.

Main-head.—Military.

Sub-head.—Military Buildings.

Section.—Accommodation for general purposes.

Work.—Constructing Coach-house and Stables at the

quarters of the Superintendent, Government Bakery.

Amount.—Rupees 990.

To be carried out by the Public Works Department.

SANCTIONED and registered as Imperial
No. 13 W of 1877-78.

(True Extract.)

Colonel, R.E.,
Secretary to Government, P.W.D.

Heads of Service Imperial

Fund. Ordinary

Class. Original Works

Main-head. Military

Sub-Head. Military Buildings

Section. Accommodation for general purposes

Project of which the works form part

*Work. Constructing Coach-house & Stables at the
quarters of the Supt. Govt. Bakery—*

Amount. Rs 990

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

Print with G.O. No. 56 W of 14-5-77—

*Proceedings of the Madras Government, Military Department,
17th March 1877.*

Warrant Officers—Quarters.

Read the following papers :—

No. 320, From Brigadier-General H. O'CONNELL, Quartermaster-General,
to Colonel J. MICHAEL, C.S.I., Secretary to Government, Military
Department; dated Fort St. George, 20th January 1877, No. 500.

With reference to Order of Government, No. 3244, dated 9th July 1875,
Military Department.

Enclosures 5.

Amounting to Rupees 990, for constructing a
coach-house and stables at the quarters of
the Superintendent, Government Bakery.
The revised estimate has been prepared in con-
sequence of the space for stalls in the origi-
nal estimate being too short for a horse.

The Commander-in-Chief having
approved the revised estimate and plan
marginally noted, I am directed by His
Excellency to submit them for the consi-
deration and orders of Government.

2. If approved by Government, it is requested that the papers may be for-
warded to the Department Public Works for disposal.

No. 321, Memorandum from Brigadier-General H. O'CONNELL, Quarter-
master-General, to Colonel J. MICHAEL, C.S.I., Secretary to Govern-
ment, Military Department; dated Fort St. George, 12th February 1877,
No. 1094.

Memorandum, No. 589, dated 2nd February 1877, from the Secretary to
Government, Military Department.

The Quartermaster-General has the honor to state that there are at the Govern-
ment Bakery, stables for fourteen mules and the coach-house and two stalls recently
erected under sanction of G.O., No. 3244, dated 9th July 1875. These two stalls,
as originally estimated for, being too small, were enlarged, and a revised estimate
forwarded with this office No. 500, dated 20th January 1877.

No. 322. ORDER THEREON, 17th March 1877, No. 1612.

Approved.

(True Extract.)

Michael

Colonel,

Secretary to Government.

To the Quartermaster-General.

„ Public Works Department, with five enclosures. and to place copy.

Exd. A. Raitt.

GOVT.
OF MADRAS.

1877.

P.W.
DEPT.

SECRETARY.

Madras,

1877.

OFFICE NOTE.

To

Please state the
amount expended
up to 31st March
1877 on the construction
of the Coach House and
Stables for the Superin-
tendent of the Court,
Rajahmundry, Madras,
Est. No. 760 passed in G.O.
No 256 of 26th July, 1875.

W.H.

S.M.

5. 5. 77

EXPENDITURE UP TO 31ST. MARCH

1877, RS. 970-II-4.

7. 5. 77.

1876-77 1/6th Dec 76

location

by the Revised Estimate
ing a fresh House, and
the Court of the Superintending
Bakery.

Estimate Rs. 990.

House.

10' x 14' as provided for
in the estimate; the founda-

all above being of brick in

of the dimensions given

Estimate. The whole of

is plastered, the outside

of blue Chumam, and the

2' coats of white Chumam.

stables and made with palm-leaf

super flat & pan-tiles and

door is in halves each 8' x 4'

and hung on gudgeons

with lead

Stables

usual estimate allowed 2

6' 6" - As this is far too

Small to accommodate even a small horse the present estimate allows 2 stalls 8'6" x 12' in the clear, and it is owing to this increase of size and consequent increase of roofing and flooring that a period estimate has been necessary.

The materials used in constructing the stables are similar to those used in the Coach House. all dimensions are given in detail in the Plan and estimate.

W. B. Biddle, L. P. P.

Asst. Engineer

Southern Camp.

Henry H. Vail Major B. E.

Fort Saint Louis Offg. District Engineer

29 Nov 1876

Residence

G. C. Hoke, Jr. J. B. H. Co. 9

P.V.

22

1876

Revised Detailed Estimate No. 347 of 1876-77 Draft 76

For Constructing a Coach House & Stables at the S. of the Superintendent, Fort Baker. Vide orders given by the District Engineer on the 24th Feb. 1876.

Detail of Work.	Number	MEASUREMENT IN FEET.			Area or Contents.	Total quantity of each Description of Work.
		L.	B.	D.		
<u>Foundation.</u>						
Side & cross walls of the Coach House —————	1	54-	2-9	3-	445-6	
Side wall of the Stables —————	1	19-3	2-9	3-	158-9 $\frac{3}{4}$	
End cross wall ————— do —————	1	14-3	2-9	3-	117-6 $\frac{3}{4}$	
Green wall ————— do —————	1	10-6	1-6	1-6	23-7 $\frac{1}{2}$	
Pillars ————— do —————	2	2-9	2-9	3-	45-4 $\frac{1}{2}$	
do ————— do —————	1	2-9	2-9	3-	6-2 $\frac{1}{2}$	
Bed of the Cistern —————	2	2-	2-	1-6	4-	
do ————— Drain —————	2	5-	1-3	1-6	6-3	
<u>Basement.</u>						
Side & cross wall of the Coach House —————	1	54-	2-	1-3	135-	
Side wall of the Stables —————	1	19-3	2-	1-3	48-1 $\frac{1}{2}$	
End cross wall ————— do —————	1	14-3	2-	1-3	35-7 $\frac{1}{2}$	
Green wall ————— do —————	1	10-6	1-3	1-3	16-4 $\frac{1}{2}$	
Pillars ————— do —————	2	2-	2-	1-3	10-	
do ————— do —————	1	2-9	2-	1-3	1-10 $\frac{1}{2}$	
<u>Superstructure.</u>						
Side & cross wall of the Coach House —————	1	54-	1-6	11-6	931-6	
Side walls, do ————— do —————	2	13-	1-6	2-1 $\frac{1}{2}$	82-10 $\frac{1}{2}$	
End wall of the Stables —————	1	19-3	1-6	11-6	332-9	
End cross wall —————	1	13-6	1-6	10-6	212-7 $\frac{1}{8}$	
					2513-6	

Small to accommodate even a small horse the present estimate allows 2 stalls 8'6" x 12' in the clear, and it is owing to this increase of size and consequent increase of roofing and flooring that a revised estimate has been necessary.

The materials used in constructing the stables are similar to those used in the Coach House. all dimensions are given in detail in the Plan and estimate.

W. B. Adair, Lt. Col.

Asst. Engineer

Southern Range.

Chief Engineer Major R. E.

Fort Saint George, Offg. District Engineer

29 Nov 1876

Residence

P.V.

2211

No. 51

Revised Detailed Estimate No. 347 of 1875-76

WORK

For constructing a Coach House & Stables at the Out of the Superintendent, Fort Baker. Vide orders given by the District Engineer on the 24 July 1876.

Detail of Work.	Number	MEASUREMENT IN FEET.			Area or Contents.	Total quantity of each Description of Work.
		L.	B.	D.		
<u>Foundation.</u>						
Side & cross walls of the Coach House ———	1	54-2-9	3-		145-6	
Side wall of the Stables ———	1	19-3-2-9	3-		158-9 $\frac{3}{4}$	
End cross wall — do ———	1	14-3-2-9	3-		117-6 $\frac{3}{4}$	
Green wall ——— do ———	1	10-6-1-6	1-6		23-7 $\frac{1}{2}$	
Pillars ——— do ———	2	2-9-2-9	3-		45-4 $\frac{1}{2}$	
do ——— do ———	1	4-9-2-9	3-		6-2 $\frac{1}{2}$	
Bed of the Cistern ———	2	2-	2-	4-6	4-	
do ——— Drain ———	2	5-	1-3	4-6	6-3	
<u>Basement.</u>						
Side & cross wall of the Coach House ———	1	54-2-	1-3		135-	
Side wall of the Stables ———	1	19-3-2-	1-3		18-1 $\frac{1}{2}$	
End cross wall — do ———	1	14-3-2-	1-3		35-7 $\frac{1}{2}$	
Green wall ——— do ———	1	10-6-1-3	1-3		16-4 $\frac{1}{2}$	
Pillars ——— do ———	2	2-	2-	1-3	12-	
do ——— do ———	1	4-9-2-	1-3		1-10 $\frac{1}{2}$	
<u>Superstructure.</u>						
Side & cross wall of the Coach House ———	1	54-1-6	1-6		931-4	
End wall — do ———	2	13-1-6	2-1 $\frac{1}{2}$		82-3	
Side wall of the Stables ———	1	19-3-1-6	1-6		33-	
End cross wall ———	1	13-6-1-6	1-6		158-10 $\frac{1}{2}$	
					2513.	

Continued.

Detail of Work.	Number	MEASUREMENT IN FEET.			Area or Con- tents.	Total quantity of each Descrip- tion of Work.
		L.	B.	D.		
<u>Deductions</u>					1268-10½	
Door	1	8-	8-6		68-	
Bulls eyes	4	2-	1-3		10-	
					78-	
Mastering the walls with 2 sets of blue chumam 190, or 12						
Filled honey Comb work in chumam.						
Bulls eyes	4	2-	1-6		12	12
Laying brick on edge in chumam with leveling Course for ramp	1	8-6	5-		40	40
<u>Wood work.</u>						
Pressumer	1	17-3	6-	8-6-5		
Postin	1	17-3	6-	4-3-6		
Lintel	1	10-	1-3	6-6-3		
Frame for the bulls eyes	4	2-6	3-	2-5		
do do	4	2-	3-	2-4		
Wall plate all round	1	17-3	6-	3-6-1-10½		
Total cubic feet						22-9-4½
Strong Battin door with 4 large long iron hinges & bolts Complete	1	8-	8-		64-	64

Comparative Statement of a Coach-house & Stables

Description of work

Brick work in chumam.
Circular arch work in chumam.
Lattice work in chumam.
Roofing with palmirah Cnpla
beak paper, flat & pan tiles
for the Coach-house.
Roofing with palmirah paper
flat & pan tiles & chumam

Detail of Work.	Number	MEASUREMENT IN FEET.			Area or Con- tents.	Total quantity of each Descrip- tion of Work.
		L.	B.	D.		
Roofing with palm-leaf cups, leak paper, flat & pan tiles & chumam boards for the Coach-house	1	18-6	18-		333-	333-
Roofing with palm-leaf cups, leak paper, flat & pan tiles & chumam boards for the stables	1	20-	19-3		385-	385-
Excavating foundation Side & cross wall of the Coach-house	1	31-6	3-6	3-	567-	
Side & cross wall of the stables	1	31-6	3-6	3-	330-9	
Side & cross wall of the stables	2	3-6	3-6	3-	75-6	
Pillars — do —	2	3-6	3-6	3-	75-6	
Total C. feet					771-3	or 35 C. feet
Laying earth & leveling the ground						
Front of the stables	1	42-	10-	1-	420-	
Side — do —	1	17-	5-	1-	85-	
do — do —	1	15-	5-	1-	75-	
Total C. feet					580-	or 2 1/2 C. feet
Flooring with gravel and jelly 5" thick well tamped —						
Coach-house floor	1	44-	10-		440-	
Stables	2	8-6	13-6		229-6	
					360-6	or 352-6

Continued.

No. 347 of 1876-77.
Residency District
Southern Range.

Revised Estimate for constructing a Coach House
and Stables at the Quarters of the Superintendent,
South Bakery. Vide orders given by the Offg. District
Engineer on the 24th July 1876.

Quantity	Particulars	Rate per Unit	
		R. S. P.	R. S. P.
592 Cft.	Brick work in Chumam (large brick 5 1/2 x 3 1/2 x 3 1/2)	2 11	Cft. 472 8
16	Circular arch work in Chumam	3 10	3 13 4
13	Semi arch work in Chumam	3 4	2 11 4
96	Cornice work in Chumam	3 3	21
	Brick on edge in Chumam over the drain		12
900, sft.	Plastering the walls with 2 coats of Chumam	2 5	sft. 21 6
200	do do do to Cornice	3 10	7 4
1200	do do do with 2 coats of white Chumam	2 8 6	30 6
12	Filed honey Comb work with Chumam	1 4	1
40	Laying brick on edge in Chumam under the swelling course	9 13	3 14 8
333	Roofing with Salweenish rafters, 2 collar pieces, & leak paper, flat & pan tiles & Chumam borders for Coach House	28 8	94 14 6
385	Roofing with Salweenish rafters, leak paper, flat & pan tiles, and Chumam borders for Stables	24 10	95 6 9
22	9-12 Cft. Oak work brought & put up	3 1	Cft. 69 12 3
64 sft.	Strong Bastard door with gudgeons long iron hinges & bolts complete	1 4	sft. 80
352 1/2	Flooring with gravel & jelly 5" thick well tamped	3 8	sft. 12 11
35 Cft.	Excavating foundation filling and settling the ground	2	Cft. 4 8

Carried over Paper - 925 15 10

Detail of Work.	Number	MEASUREMENT IN FEET.			Area or Contents.	Total quantity of each Description of Work.
		L.	B.	D.		
Carsons Lead Color					22 MAR 77	
Paint 3 Coats to door					2008	
Boardsummers						
Lintel	1	8	2	3	18	
Bottom door	1	8	16		28	
Boardsummer	1	17	9	1	31	9
Surplus	1	17	9	1	22	2 1/2
Bulls eye frame	4	3	6	7	6	2
					206	or 2

W. B. Miller Esq.

Arch. Engineer.

Frederick Jones

For Supt. Genl.
29th November 1876

W. R. S. N. B. Major P. B.
Offg. District Engineer
Residency

L. A. M. King Esq. 100-109

Comd. B. 5/11/76

Quantity.	Rate	Amount
Brought over Previous 924 1870		
2 1/2 Cys. Laying earth & leveling the ground well tamped	19 3/4	2 57
2 do. Granite Stone 1-9" x 1-9" x 3	1 8	3
2 " Lash wire for stone-cutting for making holes & sills in the Granite stone	1 8	3
4 " Granite Stone 1' x 6" x 6" for the door	6	1 8
4 " Lash wire for stone-cutting for making holes in the granite stone & fixing		
6 " iron rings with lead	12	3
2 " Iron Rings 3" inch	4	1 8
2 " Lash wire for fixing the iron rings with wooden blocks, including masonry and plastering	12	1 8
1 " Lash wire for fixing old granite stone in masonry for Coach house & fountains		1
4 " Lash wire for fixing 8' x 6" x 3"	8	2
4 " Large bamboos	2	8
Carpenter's work for making holes in the posts & fixing bamboos		2
200 Sft. of paint 3 coats		
2 1/2 Cys. of Rescummers	2 1/2	5 1/4
Sub total charges scaffolding	12	12 7
Total Purves		990

Approved by
 H. C. Baddley L. R. L.
 Asst. Engineer.
 Southern Range.
 H. C. Baddley Major R. E.
 Offg. District Engineer.
 Resident Magistrate.
 Fort Saint George
 16th December 1876
 Comd. 1876/11/76
 1876/12/76

No. 56 W Public Works Department
 Bangalore
 1876

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the 14th May 1877
 Read the following:—

From the Military Dept. (H.E. No. 1612 of 17th March 1877)

S.A.
 Sanctioned and registered as Imperial
 No. 1370 of 8/1
 1877-78 8.5.77

Dated 8th Dec 1876.
 Received

No. 347 of 1876-77.
 Estimate for Constructing a Coach House and Stables at the Quarters of the Superintendent Govt. Bakery, amounting to Rs. 990/—

H.E. Presidency
 Exr. P.W. Works
 Military Dept.

28.5.

100 115 109

1876/11/76
 1876/12/76
 11573

Copyd
Buildings & Roads
Military Works
Govt. of 1877 Madras.

PUBLIC WORKS.

To *The N.B. Presidency*

Dated

Issued

Recd.

Encl.

G. O., 1st May 1877, No. 56 W

Nos. 109-110

Superintendent's Quarters,
Government Baking, Madras

The priced plan and
estimate and plan for
constructing a coach house
stables at the —, sanctioned

But in Rep.

and 28/12/76

Presid. m. l.