

(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.	902 D	Press
B.P. No.		Mis.
811-812		
Dated	31- 3- 1874	195 .

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
31st March 1874.*

No. 811. Read the following letter from A. C. LAWFORD, Esq., Officiating District Engineer, South Canara, to Colonel G. W. WALKER, R.E., Secretary to Government, Public Works Department, dated Wandse, 9th March 1874, No. 144:—

UNDER G. O., No. 309, of 9th February 1874, which authorizes the District Engineers to submit direct to Government estimates for new works under Rupees 2,500, I have the honour to forward, herewith, for sanction a plan and estimate, amounting to Rupees 355, for

constructing a tiled shed over the bomb-proof roof of the solitary cells of the Infantry Regiment at Mangalore, returned by the Inspecting Engineer for Buildings, with reference to the above-quoted Government Order.

2. The plan has been approved by His Excellency the Commander-in-Chief, *vide* copy of the Officiating Quarter Master General's letter to the Inspecting Engineer for Buildings, No. 1,437, of 24th February 1874, enclosed, and I request that the necessary funds may be provided for the execution of the work during the next official year on its being sanctioned by Government.

3. The object of the proposed work is to mitigate the heat of the bomb-proof roof which is found to be unbearably hot.

No. 812. ORDER THEREON, 31st March 1874, No. 902n.

MILITARY WORKS, No. 23.

The plan with estimate, amounting to Rupees 355, for protecting the bomb-proof roof of the solitary cells of the

Infantry Regiment at Mangalore are sanctioned.

2. An application for the necessary funds should be submitted after the 1st April next.

(True Extract.)

Colonel, R.E.,
Secretary to Government.

To the District Engineer, South Canara.

” Officiating Controller of Public Works Accounts.

” Military Department.

Exd. E. C. Shunker.

Spare Copies

The Plan with estimate amounting to
Rs. 355 for protecting the Bomb
Proof Roof of the Solitary Cells of
the Infantry Regt at Mangalore
are sanctioned

An application for
the necessary funds should
be submitted after the 1st of
month

Md
1/12

No 1437

Quartermaster General's Office
Fort Saint George
24th February 1874.

To

The Inspecting Engineer,
Civil and Military
Buildings

Sir,

Enclosure 3.

The Commander-in-Chief having
approved the Plan and Estimate mar-
* Amounting to Rs 355.
for constructing a ginnally noted, I have the honor, by His
Highness's order, to forward them to you
for disposal.
Respectfully,
Yours &c.

Signed. H. Connell Col
Offg. Quartermaster General

No 332.

Transferred to the District Engineer
South Canara for Submission to Govern-
ment in accordance with G.O. No
309, dated 9th Febry 1874.

Office of the Insps. Engs. Signed. P. A. Ford Col. R.E.
for Civil & Military Build-
ings (South Canara)
March 1874

True Copy

W. A. Ford

Offg. District Engineer
South Canara

118 4 9 11
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1876
 10-2-76
 10-2-76

Specification for constructing a shed
 shed over the bomb-proof roof of the
 Solitary Cell at the Sing Sing, South
 Canada District.

The shed for the Solitary Cell
 is to be according to the accompanying
 Plan. The pillars shall be raised
 four feet above the ground
 and the foundations shall be
 sunk 2 feet below the basement.
 The roof shall rest on pillars
 a half foot apart 1/2 foot high
 and one foot square. Three inches
 shall be placed over the crown of the
 arched roof the two being placed
 over the centre of the end walls
 and one over the centre of the
 partition wall of the Cell. The founda-
 tions, basement of pillars and
 base shall be built of cast
 concrete stone in Chinaman. Graduated
 upright three inches square and 8
 inches high well tarred with coal
 tar shall be set in the masonry
 beneath the ridge pole placed over
 the uprights as shown in the section.

The cornice over the main arches
roof shall be without collar pieces
and those over the side arches roof
with single collar pieces 4×2 each.
collar piece shall be fixed to the rafter
by cutting into it $\frac{1}{2}$ inch and
 $\frac{1}{2}$ of an inch into the rafters fitting
each to each and fastening by nails.
The cornice shall be placed $2\frac{1}{2}$ feet
apart from centre to centre the piers
shall be one foot apart from centre to centre.
The eaves shall project $1\frac{1}{2}$ feet from
the pillars the ridge tiles shall be neatly
set in mortar and the roof covered
with machins tiles well burnt
& free from cracks. All timber for
the work shall be of Banapora
wood free from glue & sap wood
properly worked into the required
scantlings & painted with two
coats of wood oil before the work
is fixed on the building as provided
for in the estimate.

All latents used shall be the
best procurable cut of a size that
will turn to $18 \times 9 \times 6$ for foundation
& basement and to $12 \times 6 \times 6$ for
the pillars above.

All mortar shall be composed
of 1 part of freshly burnt shells
& 2 parts of clean river sand.

well mixed and pounded with
usual quantity of guggery and
gallnuts.

All plaster shall consist of
similar proportions of Chiman
sand and shall be smoothly
laid.

Ends of timber resting upon
masonry or embedded in it as
also the projecting ends of the raf-
ters shall receive 2 coats of cal-
tar.

The floor shall be covered with
asphalt $\frac{1}{2}$ inch thick.

All work shall be carried out
to the satisfaction of the Range
officer & the District Engineer.

District Engineer
L. Canara
Mangalore 19th Decr 1903

Ala Sarfud
Offg. District Engineer
L. Canara

2/10

[illegible]

Beckwith

Plastering the Sacrament of Pillare	10	6	"	1/2	50
Pillare above	10	4	"	1/2	500
Work done the crown of the archway	3	4	"	1/4	9
Est Plastering with one coat of lime and off					509

Woodwork					
Ridge pole	1	20 1/2	1/4	1/2	2 95/90
Preparations	2	34	1/3	1/2	11 1/3
Uprights (king posts)	3	1/2	1/4	1/4	3/2
Pillar plates	10	1	1	1/4	2 1/2
Total yellow wood wrought & put up					Specs 16 1/12
Painting the woodwork with 2 coats of wood oil.					
Pillar plates	20	1	1	1	20
Preparations	2	34	"	1 1/3	113 1/3
Quick over					153 1/3

Ms. 23. 1st March
to Ms. 23. 1893/1

1894

Brought over 133 1/2

Ridge pole	1	20 1/2	1 1/2	34 1/2
Collar pieces	6	9	1	54
rafters	14	25	1 1/2	364 1/2
Sphingite	3	1/2	1	1 1/2
Reapers	25	34	1/5	141 3/5
Total painting & feet				729 1/5
Excavating foundation	10	3	3 1/2	315
Total earth work & feet				315
flooring with asphalt & feet				190

District Engineer's office
 South Canara
 Mangalore 19th December 1903

M. S. S. S.
 District Engineer
 South Canara

Abstract of the foregoing Estimate

Qty Particulars of Work Per Bill Amount Total

202 1/2 cft Lateral in Chinnam 100 cft 20 110 7 2

339 cft Masteries with one coat of 1/2 in 8 10 28

880-- Roofing with junglewood
 rafters 5" x 2 1/2" & posts 4" x 2"
 where necessary, reapers 2" x 1"
 nails machine like skin
 nail borders &c complete 25 212 8

16 1/2 cft Junglewood brought &
 put up 12 29 9 8

729 1/5 cft Painting 14 6 81

315 cft Earth work 2 1 7 4

190 cft flooring with asphalt 5 28 8

Subsidiary & Superintendence 78 25 51

Total Estimate Rupees 555

District Engineer's office
 South Canara
 Mangalore 19th Dec 1903

M. S. S. S.
 District Engineer
 South Canara

246
 W. P. Maloney Colonel
 Commanding Madras

No 44

District Engineer's Office
South Canara
Camp Kadise 9th March 1874.

From

A. C. Sanford Esq
Offy District Engineer
South Canara

To

Colonel J. W. Walker R. E.
Secretary to Government
D. M. Madras

Sir,

Under G. O. No 309 of 9th Feby 1874
which authorizes the District Engineer
to submit direct to Government esti-
mates for work under Rs 500.
I have the honor to forward a plan and
estimate amounting to Rs 355 for
constructing a tiled shed over the Bomb
proof roof of the Solitary Cells of the
Infantry Regiment at Mangalore
returned by the Inspecting Engineer
for Buildings with reference to the
above quoted Govt. Order.

2. The plan has been approved
by His Excellency the Commander in
Chief, vide copy of the Offy. Quarter
Master General's letter to the Inspecting
Engineer for Buildings No 1437 of 24th Feby
1874 enclosed, and I request that the

Encl. Four.

- 1 Plan
- 1 Estimate
- 1 Specification
- 1 Copy of letter
- 1 Program

Estimated 18th March 1874

A. C. Sanford

P. M. 1457/94

Construction of a tiled
shed over the Bomb
proof roof of the
Solitary Cells of the
Infantry Regiment
at Mangalore

P. J. 27 31 Feby 1874

in 1874: 2011

1874: 2011

1874: 2011

necessary funds may be provided
for the execution of the work during
the next official year on its being
sanctioned by Government.

3. The object of the proposed
work is to mitigate the heat of
the Bank proof roof, which is found
to be unbearably hot.

I have the honor to be

Sir,

Your Most Obedt Servant

Al Saunders

Offg. District Engineer
South Burma

Recd 10th March
1874 }

20

2. 17. 18. } 17. 18. } 17. 18. }
 from 10. 14. 57.
 The 17. 18. }
 South Carolina
 to the Secretary to Govt.
 Public Works Dept.
 Pinckney
 dated 9th }
 18. 13. } March 18. 18.

1157
Govt. of 1874 Madras.
PUBLIC WORKS.

To the District Engineer
South Arcot

Dated

Recd.

Encl. 4

G. O. 31 March 1874. No. 71/2

Nos. 811/812

Cells

Plan and Estimate
of Rs. 355 for a set of
sheds over the Bomb
proof of the Military Cells
of the Infantry Regiment
at Mangalore. S. C. S. S. S.
S. S. S. S. S.