

- (1) பக்கங்களின் எண்ணிக்கை _____
 (2) புதுக்கித் திருப்பிய நாள் 19/9/90
 (3) ஆதாரங்குறிப்பவர் சுருக்கொப்பம் 60

தமிழ்நாடு ஆவணக் காப்பகம்.

தமிழ்நாடு அரசு

PWD துறை

(8)

அரசாணை எண். மு. கோப்புத் தாள் எண்.	3120	அச்சகம் பலவகை
நாள் :	19-11-1891	198/

மடிக்கவோ கண்டபடி கையாளவோ கூடாது

11 Sheet

ஆவண. கா-1-18,006-15-6-87.

40/3

3120
1

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Military Works.

READ—the following paper:—

From Brigadier-General E. H. EYRE, Quartermaster-General, to the Secretary to Government, Military Department, dated Ootacamund, 28th October 1891, No. 2395 M.W.

With reference to G.O., No. 5856 of the 23rd instant (Public Works Department No. 2619 W., dated 30th September 1891), I am desired to forward, for sanction and transfer to the Public Works Department for disposal, the accompanying plans and estimate, the latter, amounting to Rs. 7,920, for constructing an officers' messhouse with out-houses at Malapuram.

2. I am to express the hope that it may be found possible to secure a grant from the Government of India for this work in 1892-93 so as to admit of its completion before the close of the ensuing financial year.

No. 6202, Military.

Approved and transferred to the Public Works Department for disposal.

FORT ST. GEORGE,
5th November 1891.

(Signed) H. R. HOPE, Brigdr.-Genl.,
Secretary to Government.

Note by the Chief Engineer, Public Works Department.

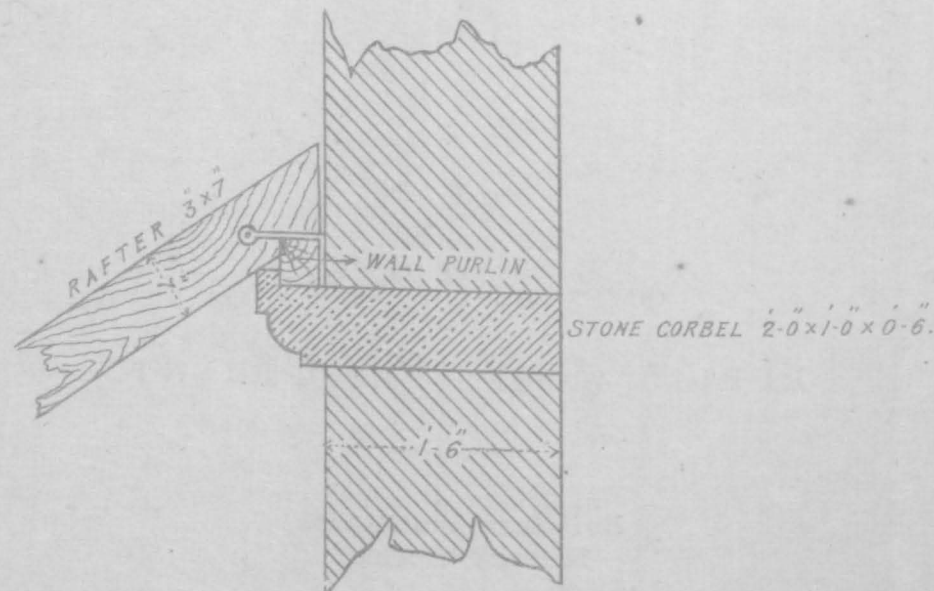
The estimate is submitted for sanction with the following remarks.

2. By the arrangement of supporting the roof on a single truss the end of the tie beam will come over the centre door. But by altering the position of the rear doors of the mess room so as to correspond with that of the end doors in the front wall and providing 2 trusses, 8 feet apart, of somewhat lighter scantlings, this will be avoided.

The scantlings would be—

Tie beam	...	...	...	...	...	...	5½" × 4"
Principal rafters	...	...	...	...	...	...	4" × 4½"
Struts	...	...	...	...	...	...	4" × 3½"
Purlins	...	...	...	...	...	...	5" × 7"

3. The verandah rafters should be carried on wall plates supported by stone corbels 5 feet apart as per sketch.



18th November 1891.

(Signed) J. PENNYCUICK, Colonel, R.E.,
Chief Engineer, P.W.D.

ORDER—dated 19th November 1891, No. 3120 W., Public Works.

The estimate, amounting to Rs. 7,920, for constructing an officers' mess with out-houses at Malapuram in the Malabar district, is sanctioned.

2. The suggestions made by the Chief Engineer in his note above recorded should be carried out.

3. This sanction has been registered as Imperial No. 7 W. of 1891-92 and classified as Military, Original Works.

(True Extract).

(Signed) J. PENNYCUICK, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, IV Circle, with seven enclosures.
" Examiner, Public Works Accounts.
" Military Department.

Exd. C. A. Munisawmy.
Spare Copies

3120
2

BUILDINGS AND ROADS.
MILITARY WORKS.
Govt. of (1891) Madras.
PUBLIC WORKS.

Dated November, 19th.

Recd.

Encl.

G.O., 19th Nov. 1891, No. 3120 W.

NOVEMBER.

Officers' Mess with out-houses
at Malapuram

Estimate of Rs. 7,920 for constructing
an — in the Malabar district, sanctioned
with remarks.

Form No. 7.

HEADING *Regimental Institutions*
Messes.

It is requested that the heading,
number, and date of this commu-
nication may be quoted in any
subsequent correspondence on this
subject.

QUARTER MASTER GENERAL'S OFFICE,

Ootacamund,

26th October 1891.

No. 2396 M.W.

From

BRIGADIER-GENERAL E. H. EYRE,

QUARTER MASTER GENERAL,

To

THE SECRETARY TO GOVERNMENT,

MILITARY DEPARTMENT.

SIR,

With reference to G.O. No. 5856 of the
23rd Instant (F.W.D. No. 2619 W dated 30th September
1891), I am desired to forward for sanction
and transfer to the Public Works Department
for disposal, the accompanying plans and
estimate, the latter amounting to Rs. 7920 —
for constructing an officers' mess house, with
out-houses at Malapuram.

2. I am to express the hope that it may
be found possible to secure a grant from
the Government of India for this work in
1892/93, so as to admit of its completion before
the close of the ensuing financial year.

I have the honor to be

Sir

Your obedient servant

E. H. Eyre Brig. Genl.

Quarter Master General

Military (1891) Department.

Current No. 6457

From

THE QUARTER MASTER GENERAL,

To

THE SECRETARY TO GOVERNMENT,

MILITARY DEPARTMENT.

No. 2395 M.W.

Dated 28th

Received 31st

Regd 2nd 2nd Nov

Oct 1891.

ENCLOSURE

Forwards for sanction & transfer
to the P.W.D. for disposal plans &
estimate for constructing an officers
mess with out-houses at Calapuran

P.S. 23. 10.9/11 = 5856A.

P. W. CURRENT No. 11706

No 6202. Approved
and transferred to the
Public Works Department
for disposal.

[Signature]
Secretary to Government

Lat Sant Geny
5th Nov. 1891

No. 2619-20W of 30-7-91.

Note by the Chief Engineer
Public Works Department

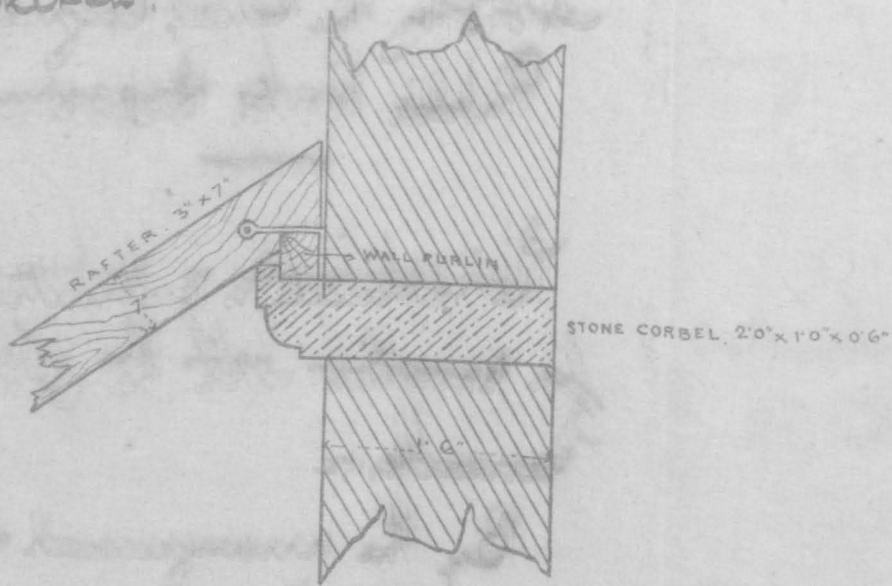
31st 11/5
The estimate is submitted
for sanction with the following
remarks:-

By the arrangement of
supporting the roof on a single
truss the end of the tie beam
will come over the centre door.
But by altering the position
of the rear doors of the mess
room so as to correspond
with that of the end doors
in the front wall and provide
ing 2 trusses, 8 feet apart
of somewhat lighter scant-
lings, this will be avoided.

The scantlings would be
Tie beam ——— 5½" x 4"
Principal rafters — 4" x 4½"
Sticks ——— 4" x 3½"
Purlins ——— 5" x 7"

The verandah rafters
should be carried on wall
plates supported by stone
columns

Corbels 5 feet apart, as per sketch.



S
E. W.
1911

Note by the Chief Engineer
Public Works Department

The estimate is submitted
for sanction with the following
remarks:-

By the arrangement of
supporting the roof on a
single truss the end of the
tie beam will come over the
center door. But by alter-
ing ^{the} position of the rear door
of the mess room, ^{so as to correspond with} the end doors in the front
wall and providing 2 trusses
~~8 feet~~ 8 feet apart ~~with~~
of lighter scantlings, this
will be avoided.

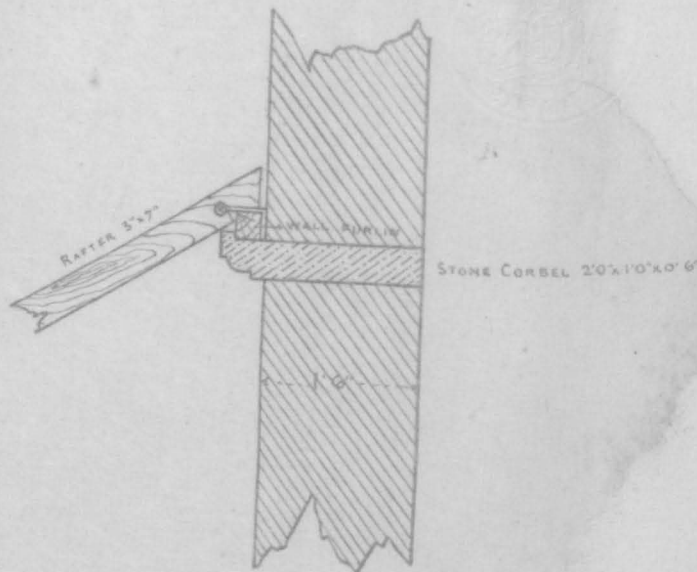
The Scantlings would be

Lie beam	5 1/2" x 4"
Principal rafters	4" x 4 1/2"
Stubs	4" x 3 1/4"
Purlins	5 1/2" x 6" 7"

The verandah rafters
should be carried on wall
plates supported by stone
Corbels

Corbels 5 feet apart, as per sketch.

This arrangement can be carried out for the same cost as that now proposed.



16.11.91

S

E. W.

B. 11

16.11.91

This can be kept
R.S.
P. 11

Public Works Department.

3128W

Current No. 11706

Letter No. 6202

Dated 5th November 1891

From the Military Department.

Sanitation

TECHNICAL NOTE.

Continuing Officers Mess with
Out houses at Dalapuram
Malabar Dist.

Amount of Estimate Rs 7,920

Drain building Rs 6,160
Out houses — 1,760
7,920

This estimate is prepared with reference to Item 3 of the schedule of Military Works requirements for 1892-3, vide G.O. W. 2619 & 2620 W dated 30th September 91.

The area of accommodation is not regulated by any type or Standard design. The design now submitted provides accommodation to suit the present requirements at Dalapuram, viz. for four officers.

The accommodation provided in the Drain building is as follows:

Mess room	24' x 16'
Dressing room	10' x 16'
Bath — —	10' x 10'
Store — —	10' x 10'
Pantry — —	10' x 10'

together with front and rear
verandah 12 ft wide.

The soil is stated to be hard
laterite and the foundations are
proposed to be carried to a depth
of 3 feet.

The foundations, basement and
superstructure walls will be
built of laterite stones in situ
- then plastered with 2 coats
of lime both interior and exterior,
except the faces of basement
which will be plastered with
Portland cement, a damp
proof course of $\frac{1}{2}$ " of asphaltic
will be laid on top of basement
all round. Flooring of all the
rooms will be paved with 8"
square tiles laid over a bed of
concrete 4" thick except the
bath and stove rooms which
will be of $\frac{3}{4}$ " asphaltic over a
bed of 4" of concrete. Roofing
will be of Mangalore tiles laid
on teak rafters & ceiled with
 $\frac{3}{4}$ " cedar wood planks. The
front verandah will have cor-
rugated iron in addition under
the tiles. The roof trusses will
be of teak for the trusses & jungle
wood for the rafters purlins &c
and wood oiled 2 coats.

The roof will be
hot water not hot
ceiling, but any
date for appearance
like the verandah
should be ceiling

Existing 2 doors
only require
rearranging, leaving
a central deadend

Verandah windows 8
teakwood and of the
noted in the estimate

The estimate provided
working with corrugated
Mangalore tiles the front
verandah, in addition to a
wood ceiling, the need
for the wooden ceiling was
omitted iron is laid
Mangalore tiles is not appro-
if the wooden ceiling be omitted
which seems superfluous, the
savings will be about Rs 105.

In the plan it is proposed
to support the roof of the new
room, which is 24 feet long by
one timber beam & 12 feet apart
with one end of the tie beam
resting just over the central
downway of the front verandah.
To avoid this, it may be
better to open 3 downways in
the rear wall similar to the
front face, and provide 2 light
wooden trusses 8 ft apart,
which will enable a partition
to be hung to the trusses & pulled
from the rear verandah also
more light & air will be admitted
in the new room.

ships provided are
weak, the following
~~fully~~ slightly weak
at ceiling sometimes, standard
4" x 5" — 4" x 5 1/4"
3" x 4" — 3 3/4" x 4"

Other roof timbers are correct
except the purlins which are
widened with a section of 6" x 8"
this section is considered heavy
it may be reduced to 4 1/2" x 6 1/2".
The number of wall plates have
been over estimated they are
now reduced from 6 to 3 the actual
quantity required.

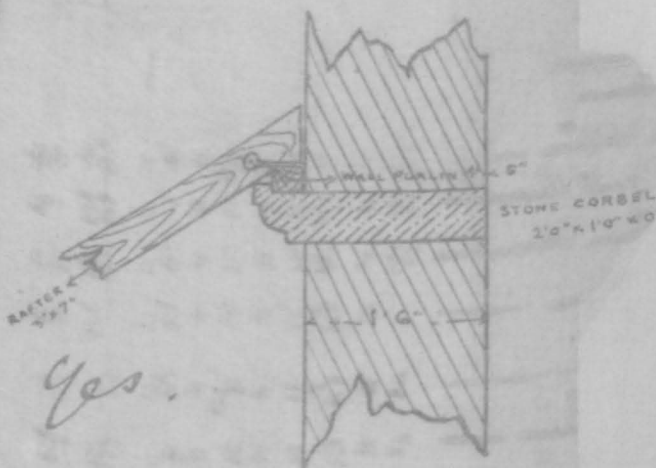
The main rafters are let into
the main wall & nailed to wall
plates it would be a
better arrangement to support
the rafter with stone corbels placed
5 or 6 ft apart with purlins, as
per sketch.

The rates are fair except for
roofing, the rate charged is Rs 30
per square against Rs 28.80 allowed
in the schedule, if schedule rate
be adopted the saving will be Rs 50.

The plinth area of the building
is 2271 Sq ft and the cost will
be Rs 2.11.4 per Sq ft.

The plan & estimate have been
considered by the General Officer
Commanding Southern Dist. and
approved in the Military Dept.

12.11.91



Yes.

Lites with hunch to be
conveyed to the alman

Amount Rs 11706

Officers mess at Malapparam

Cost in per alternative in provid-
ing 2 messes instead of one
as per tracing Rs. Rs.

Deekam

2 1/2

De beam — 2 x 18.0' x 5' x 4' = 5.00
Principal rafters — 4 x 11.0' x 4' x 4 1/2' = 5.50
Trunks — 4 x 5.6' x 4' x 3 1/2' = 2.00

With Up of Deekam 12.50

Pragunna

Common rafters — 56 x 14.0' x 3 1/2' x 4' = 54.44
- do - front veranda 28 x 13.6' x 3' x 7' = 55.12
- do - rear veranda 28 x 16.0' x 3' x 6' = 56.00
Ridge pines — 1 x 57.0' x 3' x 5' = 5.94
Purlins — 2 x 57.0' x 4 1/2' x 6' = 21.37
Wall purlins — 2 x 57.0' x 3' x 4' = 23.75
- do - rear room 2 x 15.6' x 3' x 4' = 2.60
Purussam — 2 x 26.0' x 6' x 8' = 8.67
Barge board — 4 x 15.0' x 1' x 6' = 2.50
Trunks — 2 x 6.0' x 4' x 6' = 2.00

With Up of Pragunna 231.39

2. Even the work for king post 1' dia. Rs 8.

1 1/2 Up of Deekam at 3-12.00 per Sq ft = Rs 47
3 1/2 Up of Pragunna at 1-12.00 - do = 408
Total of even the work for king post = 455
With Purussam 461.
Actual quantity estimated.

Deekam — Rs 26.3488 = 461 = Rs 27
Pragunna — 462.3488 = 461 = Rs 27

Rs 27 saving.
add corbels fixing them 5 ft apart of the
section

17.11.91

sum given in sketch
to 35 m. with in the lines
then actual incurs 35-27 = Rs. 8

~~No.~~

No. 3120 Wd/19 Nov/91

B. & R.
Public Works Department.
B. & R.
Mysore

PROCEEDINGS OF THE MADRAS GOVERNMENT.

31/12/91

Read the following

Letter from the Quarter }
Master General } No: 2395 mcd d/28 October 1891
Endorsement thereon in }
the Military Dept. } No: 6202 d/5 Novr. 1891
Note by the Chief Engineer P.W.D d/18 Novr. 1891

The estimate, amounting to Rs. 7920, for constructing an officers' mess with outhouses at Malapuram in the Malabar District, is sanctioned.

11/12/91
2. The suggestion made by the Chief Engineer in his note above recorded should be carried out.

3. This sanction has been registered as Imperial No: 7 wof/1891-92 and classified as Military, Original Works.

To The S.E.W Circle
with 7 enclos.
" Exar. P.W. Dept.
" Mil. Dept.

R.S.

17.11.91
S. 10.11

CN 11700

Obt. of 1891 Madras.

PUBLIC WORKS.

20-11-91

G.O. 19. 11. 91 31201

Officers' mess with
outhouses at
Malapuram

(11)

Estimated at Rs. 7520
for construction of the
Malapuram 9th Cantonment
mess building.

50
5

20-11-91

20/11-
3-45 PM