

(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.	2226	Press
B.P. No.		Mis.---
Dated	23-8-	C876 195-

Not to be folded or roughly handled

Read the following papers —

No. 530. Endorsement of the Chief Engineer for Irrigation, dated Fort St. George, 20th March 1876, No 27-W

From Major J. BEATTY, R E, District Engineer, Godavery, to Lieutenant-Colonel J. MULLINS, R E, Chief Engineer for Irrigation, dated Dowlaishweram, 25th February 1876, No 3,448.

With reference to your Memorandum of the 29th October 1875, and G.O., No 3,255, of the 13th November 1875,

1 Range Officer's letter, No 474, of 29th January 1876

1 Estimate, amounting to Rupees 15,570

1 Plan of dwelling-house

1 Do out-buildings

I have the honor to forward herewith a report with plans and an estimate, amounting to Rupees 15,570, for officers' quarters, with out-buildings, proposed to be erected at Chettipett, and to request

you will be good enough to obtain the sanction of Government at an early date, and an allotment of funds for commencing the works during the ensuing official year.

From Lieutenant A R F DORWARD, R E, Assistant Engineer in charge of No 3 or Western Delta Range, Godavery District, to Major J. BEATTY, R E, District Engineer, Godavery, dated Camp at Marter, 29th January 1876, No. 474

I HAVE the honor to forward herewith plans and estimate for quarters at Chettipett for this Range Officers Two dwelling-houses would be required with godown to hold six servants and stabling for six horses as designed

2 The cost of two dwelling-houses would be Rupees 13,540, and for godown and stables Rupees 2,030 The total estimate is therefore Rupees 15,570

3 At present there are four officers in the range Their total monthly pay is Rs 1,500, or Rupees 18,000 per annum, at 6 per cent, the rent of the buildings would be Rupees 1,080, or about 7 per cent on the probable cost It would probably be fairer however to take the pay of the Range Officers as Rupees 1,250 monthly, or Rupees 15,000 per annum, at 6 per cent the rent would be Rupees 900, and would yield a return of about 6 per cent The cost of repairs to the buildings in after years will be very small, and in twenty years they will probably repay their cost, and will be nearly as valuable as when first erected They will be built of stone. The outside of walls will be "dressed rubble" Plaster has, except on the verandah roof and inside rooms, been carefully avoided The chief item of the cost is the woodwork Teak has been allowed for, countrywood (as in the Dowlaishweram rest-house) being unsuited for permanent buildings

SUBMITTED to Government with reference to G O, dated 13th November 1875, No 3,255

2 The District Engineer has submitted a design for a dwelling-house with out-houses at Chettipett, the design being arranged to admit of its accommodating a Range Officer or two Assistant Engineers

The cost of the double unit is for dwelling-house	Rs 6,770
Do of out-houses	1,015
Total	7,785

and the two double units amount to 15,570

2. The estimates are more than 50 per cent. in excess of the amount contemplated in the memorandum submitted to Government on which the above order was

Proceedings of the Madras Government, Public Works Department,
23rd August 1876. No. 2,226.

passed, and the under-signed must leave it to Government to decide whether this design should be accepted in preference to that of the rest-house at Dowla Shwaram, the plan of which is enclosed for reference

(Signed) JOHN MULLINS, Lt-Col., R.E.,
Chief Engineer for Irrigation.

No. 530-A. Note by the Chief Engineer for Irrigation, dated 3rd August 1876.

No 531. ORDER THEREON, 23rd August 1876, No. 2,226.

CIVIL WORKS, No 48

The Government approve generally of the design on plan No. 1, forwarded with the Note of the Chief Engineer for Irrigation, for the proposed dwelling-house at Chettipett in the Godavery District, but the following modifications should be carried out in execution.

The upper story should consist of a sitting-room, two bed, two bath rooms and a front verandah. All ornamental work to the eaves and the finish to the roof should be omitted. The roof of the verandah should be continuous with that of the main building, and the eaves of the former should project outwards 6 inches further than is shown.

2 It is observed that the cost of a house with the accommodation described is estimated at Rupees 11,550. This is not more than the cost of three units as originally suggested, while that of three Bengal units would amount to Rupees 12,000.

3. The out-houses as shown on plan No. 2 are suitable. The estimate which amounts to Rupees 2,044 is also sanctioned.

4. The following is the classification of the proposed outlay —

Head of Service — Provincial

Fund — Ordinary

Class — Original Works.

Main-head — Civil Buildings.

Sub head — Public Works Department, in, Miscellaneous

Name of Work — Range Officers' quarters at Chettipett.

Amount — Rupees 13,594.

5 This sanction has been registered as Provincial No. 125-W of 1876-77.

6. The work will be carried out by the officer in charge of No. 3 Range,* but no funds are at present available from which an allotment can be made for its commencement.

* Western Delta Range.

(True Extract)

Colonel,

Offg. Under Secy to Govt, P.W.D.

To the District Engineer, Godavery, with plans, estimates, &c

" Chief Engineer for Irrigation

" Examiner of Public Works Accounts.

Ed. W. H. French.

Spare Copies

Encls 6.

3E
27th Nov 1876
Submitted to Government
with reference to
G.O. dated 13th November 1875,
No 3255. The District Engineer has sub-
mitted a design for a dwelling
house with out-houses at
Chettipett, the design being
arranged to admit of its
accommodating a Range
officer or 2 Assistant Engineers.
The cost of the double unit is
for dwelling house. Rupees 6,770
— out-houses — — 1,015
Total Rupees 7,785

and the two double units a-
mount to 15,570

2. The estimates are more
than 50 per cent in excess
of the amount contemplated
in the memorandum sub-
mitted to Government on
which the above order was
passed, and the undersigned

L. I Form No 22

Public Works Department.

PROCEEDINGS of the MADRAS GOVERNMENT.

Under date the

READ the following —

Yours

The Chief Eng^r. for
Irrigation

(H.C. No. 27 was 30th March/96)

His Grace the Governor in Council is of opinion that some accommodation for the officers of the Western Alta Godavery should be provided at Chettipett, but as His Excellency thinks that ultimately not more than 2 officers will permanently be located

P.W. 1896 Sept.
No. 2457

From

The Chief Engr.
for Irrigation

Plated
Seed 30 March 1896.
to April 1896.
E.S. 6
H. 27 W.

Submitting letter
of the D.R. Factory
forwarding plan &
Sale. for Officers Quar-
ters with out houses
at Chetiford.

4530

Dec 21. 8. 76 Dec 24. 8. 76
 Dec 4. 8. 76 Dec 12. 8. 76
 Dec 26. 4. 76. Dec 27. 76
 Dec 24. 4. 76 Dec 25. 4. 76
 Dec 26. 6. 76 Dec 21. 4. 76

there; and that it
will be more con-
ducive to the public
advantage if the
other officers em-
ployed in this Range
have their head
quarters in other
parts of it, sanc-
tion will be given
for the construction
of

one Bungalow - Rs. 6,770
set of out-houses - 2,030
Total Rs. 8,800

For the casual
visits to Range
head quarters of
Officers not residing
at Chettipeth, there
will be accommo-
dation at the rest

house which is at a
short distance from
the Range Office.

2. The following
constructive details
need modification
and should be attended
to in constructing the
buildings, a revised
estimate being pre-
pared accordingly.

Bungalow - The base-
ment as designed is
2 feet high and the
ground being very
flat and barely above
canal level, the floor
level should be placed
18 inches higher or
3 1/2 feet above ground.
The roof framing
appears to be slight,
the principal rafters

of the timbers not being of larger scantling than the ordinary biling rafters. The dimensions of the timbers have not been marked on the drawing, and consequently what they are intended to be is not known. The rafters of the verandahs will require support, or they will sag and cause leaks.

Stables - The long rafters of the stables also will need support; they appear to have a length of 13 feet or more unsupported.

3 Lieutenant
Roward's attention will be called to the carelessness of his draughtsman. In the plan of out-buildings the figuring of the elevation and section do not agree; the drawings do not agree with the scale, and the scale laid down is not the scale specified.

4 As already pointed out in G.O. No. 3255, dated 13th November 1875 separate provision in the Provincial Budget could not be made for these buildings. Their claims for an allotment will however be considered in the distribution of the Reserve of 1876-77.

J. E. Foxaway
C. O. for J. C.
G. P. W. A.

Hy. 11/5

152
Memorandum for information.

His Grace the Governor has remarked in his minute on the estimate for dwellings at Chettipett that he thinks it will be more conducive to public advantage that some of the officers employed in the Delta should be in other parts of it. As the Proceedings of Government in which the considerations which led to Chettipett being selected as the head quarters for the Range officer and two Sub-Divisional officers were not among the papers circulated, a copy of them is now submitted, and in para 7 of the Memorandum on which the order was passed will

18 April 1871
No 1077.

he found the reasons given by the Chief Engineer for Irrigation for the recommendations made by him. The estimate submitted by the District Engineer is for accommodation for 3 officers the Bungalows being for the Range Officer and the other for 2 assistants.

The following are the scantlings of material as Norway fir fixed by the enclosure Commissioners for 18 feet span.

Tie beams — $7\frac{1}{2} \times 3$
 Principal rafters — 5×3
 King post — 4×3
 Struts — $3 \times 2\frac{1}{2}$
 Purlins — $6 \times 3\frac{1}{2}$
 Common rafters — $3\frac{1}{2} \times 2$
 Wall plates — 4×3
 Pole plates — 4×4

The span of the Bungalow is 15 feet and the wood intended to be used is teak (Godavery), a good wood though not as good as Malabar or Choulmain teak.

The strength of teak compared with yellow pine is as 717 to 410. The stiffness of teak compared with fir is as 1 to 0.76.

Fir not given in table referred to.

Wm. Underhill Esq. Colonel &c.
 Chief Engineer for Irrigation

As recommended
 3rd May 1876

[Faint handwritten notes, possibly a continuation of the report or a separate entry.]

Endorsement of the Chief Engineer for
Irrigation No. 27 1st 3rd March 1876

FOR ORDERS

Major Genl. J. B.

Secretary to Govt.

I beg that these papers
may be sent forth to the
State the Governor who
has seen the Bowlerhead
building & has interested
himself in the question
of these buildings
and has expressed
his interest in the
question of the same

Recd & Retd 18/8/76
Cm. 11.5.76 P.M. 1/6/76
O.L. Shub. 27 Apr

do not agree with the
 Scale - The Scale
 laid down is not the
 Scale specified. —

In the drawing of the
 House also the roof
 framing appears to be
 slightly the principal
 rafters of the Truss - nothing
 of larger scantling than the
 ordinary ceiling rafters.

I should also suggest raising
 the dwelling house another
 step - the ground is very
 flat. Nearly above Canal
 level
 B.C.

FOR ORDERS

[Faint, mostly illegible handwritten notes in the left margin of the right page]

Book 4 R.F. 2878/1

P.W. Sept.
 3rd Aug. 76

Designs for dwelling house at Chetipet
 Western Batta, Godavari

The plans are unnecessarily
 elaborate before class of
 building is decided. — I
 think No 1. with sitting room
 2 bedrooms - &c. - upstairs
 at cost of Rs 11,530 will be
 a better & healthier accommodation
 for married officers than
 2 ground floor building.
 The situation is low & flat
 If the ornamental ~~work~~ ^{work} is done before anything further
 is unnecessary. It is taken out is done. The time which
 The work commences so that has been taken to get these
 the water may run off plans prepared has been
 about - The doors of verandahs most unreasonable
 shown out another 6 or 7 inches
 to keep the drip clear of the
 structure

Circulated for orders
 with reference to the
 remarks of His Grace
 the Governor on a memorandum
 for information dated
 3rd May 1876. The instructions
 sent to the Drawing Office
 at Madras have not been
 fully attended to, but the
 members of Government
 may like to see these plans
 before anything further
 is done. The time which
 has been taken to get these
 plans prepared has been
 most unreasonable
 I understand Lt Colonel
 Joint Secretary to Govt
 M.C.

a complete house ~~being~~
be provided
and some comfort is wanted
at such places—

The expense would appear
not to be more than 3
units as originally suggested
3. Bengal units would
cost estimated 12,000

see proceedings 13th November 75
No. 3253

The plan would give
better accommodation & things
circulate—
Per 5/8

I concur with the
views the present in
the recommendation
to adopt plan I with
the present emendations
This plan promises good
accommodation such
as is required at a
moderate cost—
9/8/76

M
11/10

No 2226

Public Works Department.

PROCEEDINGS of the MADRAS GOVERNMENT.

UNDER date the

23rd Aug/76

READ the following —

From the Chief Eng for Engln (H.E. No 2717) to Madras
 Re: by ————— (in) 3rd Aug/76

26/5/

The Government
 approve generally of
 the design on Plan
 No 1 forwarded with
 the note of the Chief
 Engineer for Irrigation,
 for the proposed dwelling
 house at Chettipett
 in the Godavari District,
 but the following modi-
 fications should be
 carried out in execution

The upper story
 should consist of a
 sitting room, two bed,
 two bathrooms and a

No 530a

front verandah.

All ornamental work to the eaves and the finials to the roof should be omitted. The roof of the verandah should be continuous with that of the main building and the eaves of the former should project outwards six inches further than is shown.

2. It is observed that the ~~estimated~~ cost of a house with the accommodation described is estimated at Rs 11,550. This is not more than the cost of three units as originally suggested, while that of three Bengal units would amount to Rs 12,000.

out houses as shown on Plan No 2 are suitable. The estimate which amounts to Rs. 2,044 is also sanctioned.

4. The following is the classification of the proposed outlay.

Head of Service. Provincial Fund. Ordinary.

Class. Original Works.

Main Head. Civil Buildings

Sub. Head. Pt. Dept III Miscellaneous.

Name of Work. Range Officer's Quarters at Chattripath

Amount. Rs 13,594.

This sanction has been registered as Provincial No 125 W of 1876-77.

The work will be carried out by the officer in charge of No 3 Range ~~but~~ no funds are at present available from which an allotment

Western Delta Range

can be made for its
announcement.

Aug 28

by 1978

Plans prepared by the
Dir. of Engrs. Dept. made over to
Automobile Board 7/9/76.

No 530/31

A.R. Goddard with plans, etc. to
Ch. for Engrs. & Enclaves.
Ex. 17/76

2457 CA

Cont. of 1876

PUBLIC WORKS.

The N. & Godavery

Date

To

For

By

G. O. 23 Aug 1876, No. 2226

Lib. 530-531

Officers Quarters with
But houses at Chittoor
Godavery &c.

~~Approved with remarks~~

Plan & Estimate for
the construction of —

approved with certain
remarks.

5-9-76