

en^o 514
Govt. of 18⁹⁵ Madras.
PUBLIC WORKS.

Dated.

14/3/95

Recd.

Encl.

G.O. 12/3 1895, No. 582 W

Collector's office at
Cuddalore

Estimate of Rs 1,02,230
for additions & improve-
ments to the —, in the
ath arcot st, sanctioned
with remarks.

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12TH MARCH 1895, No. 582 W., PUBLIC WORKS.

GOVERNMENT OF MADRAS.
PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following papers:—

G.O., dated 10th November 1894, Mis. No. 4348, Revenue.

Read—the following Proceedings of the Board of Revenue (Land Revenue), dated 9th October 1894, Mis. No. 5573, on the following endorsement of the Acting Collector of South Arcot, dated 2nd October 1894, No. 190 Eng., on the following letter from the Consulting Architect to the Government of Madras, to the Collector of South Arcot, dated 22nd September 1894, No. 1781:—

With reference to the resolution communicated with the Proceedings of the Board of Revenue, No. 3267, dated 14th June 1894, a copy of which is enclosed, I have the honour to forward the plans and estimates for additions to the Collector's Cutcherry at Cuddalore.

2. The Inspector-General of Police has signed the plans of upper and lower floors showing the accommodation for the police, and at his request a plan and an estimate, amounting to Rs. 1,793, for an armourers' shop is also enclosed, which raises the estimate from Rs. 1,00,437 to Rs. 1,02,230.

3. The Inspector-General of Registration has withdrawn his objection and signed the ground plan showing the accommodation for the Sub-Registrar in token of his approval.

Endorsement.—True copy submitted to the Board of Revenue (Land Revenue) with the plans and estimates.

Resolution.—Submitted to Government with reference to G.O., dated 8th June 1894, Mis. No. 2225, Revenue.

Order—dated 10th November 1894, Mis. No. 4348, Revenue.

The plans and estimates are approved subject to the following remarks and will be transferred to the Public Works Department for sanction:—

(1) It should be considered whether the width of the windows in the record room should not be reduced so as to minimize the waste of space which the present plan is likely to cause.

- (2) As the plan stands, there is no way of passing into the Collector's and Assistant Collector's retiring rooms except through those officers' sitting rooms.
 (3) The Armourers' shop should be at some distance from the main building.

(True Extract.)

(Signed) R. C. C. CARR,
 Under Secretary to Government.

Proceedings of the Board of Revenue (Land Revenue), dated 15th January 1895, Mis. No. 130.

Read—the following letter from A. E. CASTLESTUART STUART, Esq., Acting Collector of South Arcot, to the Secretary to the Commissioners of Land Revenue, dated Cuddalore, 22nd December 1894, No. 5145 Eng. :—

The plans and estimates for additions to my cutcherry have recently been transferred to the Public Works Department for sanction (G.O., dated 10th November 1894, Mis. No. 4348). I have the honour to request that I may be informed when funds are likely to be available for the new building and whether an allotment can be made for the next year in view to the building being commenced. Portions of the present old building are very much out of repair and estimates for Rs. 1,024 have been prepared for patching it up. As the old building will have to be pulled down sooner or later, all money spent on patching it up would be wasted and the sooner the new building is completed the better. I request therefore that Government may be moved to make a suitable allotment for next year in view to the work being started at an early date.

Resolution—dated 15th January 1895, Mis. No. 130.

Submitted for the orders of Government.

(True Copy and Extract.)

(Signed) L. M. WYNCH,
 Secretary.

Mis. No. 263, Revenue.

Transferred to the Public Works Department.

FORT ST. GEORGE,
 22nd January 1895.

(Signed) G. S. FORBES,
 Ag. Secretary to Government.

Note by the Chief Engineer, Public Works Department.

The undersigned considers that any reduction in the width of the record room windows will not be in keeping with the other portion of the building and will probably darken the room owing to the provision of verandahs.

2. Doors should be provided to the retiring rooms leading from the verandahs for sweepers as shown in pencil on the plan.

3. The question of placing the armourers' shop at a distance from the main building should receive attention before execution of the work.

4. The foundations should be laid of concrete throughout to ground level and made 2 feet broader than the masonry which rests on them.

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

6th March 1895.

ORDER—dated 12th March 1895, No. 582 W., Public Works.

The estimate, amounting to Rs. 1,02,230, for additions and improvements to the Collector's office at Cuddalore in the South Arcot district, is sanctioned.

2. The question of providing funds for the work will be considered early next year.

3. Attention is drawn to the Chief Engineer's note recorded above.

4. The sanction accorded in paragraph 1 has been registered as Provincial No. 116 W. of 1894-95 and classified as Civil Buildings, Original Works.

(True Extract.)

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

To the Superintending Engineer, V Circle,
 with fourteen enclosures.

" Examiner, Public Works Accounts.
 " Revenue Department.
 " Judicial "

Exd. C. A. Manisawmy
 Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1895} Madras.
PUBLIC WORKS.

Dated March, 12th.

Recd.

Encl.

G.O., 12th Mar. 1895, No. 582 W.

MARCH.

Collector's office at
Cuddalore

Estimate of Rs. 1,02,230 for additions
and improvements to the — in the South
Arcot district, sanctioned with remarks.

REVENUE DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Read the following Proceedings
of the Board of Revenue, Land Revenue, dated
9th October 1894 No 5573 Ins on the following En-
dorsement of the Acting Collector of South Arcot
dated 2nd October 1894, No 190 ^{Eng} on the following letter
from the Consulting Architect to the Government
of Madras, to the Collector of South Arcot dated
22nd September 1894 No 1781;—

With reference to the
resolution communicated with the Proceedings of the
Board of Revenue, No 3267 dated 14th June 1894, a copy
of which is enclosed, I have the honor to forward
the plans and estimates for additions to the Collector's
Cutcherry at Cuddalore.

(2) The Inspector General of Police
has signed the plans of upper and lower floors
showing the accommodation for the Police and at
his request a plan and an estimate amounting to
Rs 1793 for an armourer's shop is also enclosed, which
raises the estimate from Rs 1,00,437 to Rs 1,02,230.

(3) The Inspector General of
Registration has withdrawn his objection and signed
the ground plan showing the accommodation
for

for the Sub-Registration in token of his approval.

Endorsement:— True Copy submitted to the Board of Revenue (Land Revenue) with the plans and estimates.

Resolution:— Submitted to Government with reference to G.O. dated 8th June 1894, Mis No 2225 Revenue.

not used

Order thereon dated 10th November 1894 No 4348 Mis

The plans and estimates are approved subject to the following remarks & will be transferred to the Public Works Department for sanction.

(1) It should be considered whether the width of the windows in the Record-room should not be reduced, so as to minimize the waste of space which the present plan is likely to cause.

(2) As the plan stands, there is no way of passing into the Collector's and Assistant Collector's retiring-rooms except through those officers' sitting-rooms.

(3) The armourer's shop should be at some

some distance from the main building.
(True Extract)

Recd
Under Secretary to Government.

To
The Public Works Department ✓
with plans & estimates.
" Judicial Department
" Board of Revenue (Land Revenue)

hr.
13th Nov 94

P. W. CURRENT No. 8746

Govt. of {1894} Madras.

REVENUE.

To

The Public Works Department

No. 503 w 17-2-92 ✓

Dated

Reed. 15-11-94

Encl. 14

(7 plans)

Mis. G.O., 10th November 1894, No. 4348

SUBJECT.

Approving with remarks plans
and estimates for additions and
improvements to the Collector's
Cutcherry at Cuddalore and
transferring the same to the
Public Works Department
for sanction.

SOUTH ARCOT.

No.

COLLECTOR'S OFFICE,

Cuddalore
22nd December 1894

FROM

A. E. Castles Stuart Stuart, Esq.
Acting COLLECTOR OF SOUTH ARCOT.

TO

THE SECRETARY TO THE
COMMISSIONER OF

Land Revenue

MADRAS.

SIR,

The plans and estimates for additions
to my cutcherry have recently been
transferred to the P.W.D. for sanction
(G.O. 10th November 1894, No. 4348 Mis.)
I have the honour to request that
I may be informed when funds
are likely to be available for the
new building and whether an
allotment can be made for the
next year, in view to the building
being commenced. Portions of the
present old building are very
much out of repair and estimates
for Rs 1024/- have been prepared
for patching it up. As the old
building will have to be pulled

down

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down sooner or later, all money spent
on patching it up, would be wasted
and the sooner the new building
is completed the better. I request
therefore that Government may
be moved to make a suitable
allotment for next year in
view to the work being started
at an early date.

I have the honour to be,
Sir

Your most Obedient Servant,
Mundacodes
for Collector

M.

copy
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Proceedings of the Board of Revenue

(Land Revenue),

Dated 15 January 1895.

No. 130. Mis. Routine.

READ Letter from A. E. Castleduart Stuart Esquire, Acting Collector of South Arcot, dated 22^d December 94, Ref. no. 5145 to the Secretary to the Commissioners of Land Revenue, Madras. 4

Resolution dated 15 Jan'y 1895. No. 130.

Submitted for the orders of Government.

(True Extract)

L. M. J. S. Secretary.

2.

The Secretary to Government R.D. with letter to be returned.

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OWE. 1
5-14/85

To be returned to Revenue Board with reply.

1895

REVENUE DEPARTMENT.

Enclosure No. 1

Current No. 374

No 5514. P.W.D.
{8746/94

G.O. 10-11-94 N 4348

P.W.D. No. 514

Revenue 1895. Dept
Board of Revenue
(Land Revenue),
MADRAS.

Despatch

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Endorsement. Mis No. 263

Transferred to the P.W. Dept.

By Secretary to Government

Fort St George
22nd January 1895

To

The Secretary to Govt.
A. D.

Re: 24. 1. 95



Received 17 Jan 1895
Proceedings, dated 15-1-1895, No. 130
Mis. Routine

Subject.

Submitting for the
orders of Government letter
from the Collector of South
Arcot requesting to be in-
formed when funds will be
available for the new build-
ing of the Collector's cutcherry
at Cuddalore.

Transferred

Note by the Chief Engineer P.W.D.
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The undersigned considers
that any reduction in the width
of the record room windows
will not be in keeping with
the other portion of the building,
and will probably darken the
room owing to the provision
of verandahs.

2. Doors should be provided
to the retiring rooms leading from
the Verandahs for sweepers, as shown
in pencil on the plan.

3. The question of placing the
armourer's shop at a distance
from the main building should
receive attention before execution
of the work.

4. It is considered that the
foundations

foundations should be laid
of concrete throughout to ground
level and made 2 feet broader
than the masonry which
rests on them.

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$\frac{6}{3} 25$

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Public Works Department.

No 582 W of 12 March 1895

Current No. 8146

Letter No. A348

Dated 10th November 1894.

From the Revenue Department.

NOTE BY TECHNICAL SECTION.

Name of work Additions & improvements to the
Collectors office at Cuddalore in the South
Arcot District.

Amount of estimate Rs 102,230.

The plans & estimates under review
amounting to Rs 102,230, have been
framed with reference to G.O. No. 503 W
dated 17th Feb^y 1892 & provide for ad-
ditions & improvements to the Collectors
office at Cuddalore by demolishing a
portion of the existing building which
is stated to be in a bad condition & for
constructing a double storied build-
ing in order to provide suitable ac-
commodation for the Collector,
Asst. Collector, Police Supt., Dist. Forest
Officer & their establishments.

The accommodation proposed,
as stated, was made in com-
munication with the Collector of
the District.

The amount of the estimate is
divided as follows:-

- | | |
|---|------------|
| (a) Additions & improvements to the exist-
ing building | Rs 98,733 |
| (b) Providing cornice & parapets | 1,704 |
| (c) Constructing Ammunition Shop for
Police Head Q ^r Office | 1,793 |
| Total estimate | Rs 102,230 |

Particulars of Construction

The nature of surface soil, as shown on the trial pit sections, sheet N. 2, is "made soil" to a depth of about 9 inches & the sub soil, loam with black clay below.

The foundations are to be laid to an average depth of 7 feet below ground level, the lower 3 feet to be of concrete & the upper 4 feet together with the basement of 6 feet in height built of table moulded bricks in chunnam.

The walls are to be raised 18'6" for both the floors & built of stock bricks in chunnam, plastered inside with 2 coats of chunnam & pointed outside with tar & sand. The roof is to be tiled throughout with brick on edge & carried over steel beams & timber wood joists. The basement floor is to be of Cuddapah slabs laid over 4" of concrete & pointed with tar & asphalte. The first floor is to be of brick on edge with 3" of concrete & covered over with 6" square pressed tiles laid in cement. The doors & windows are to be of teakwood of the description noted in the estimate & painted with 3 coats of Charlton's Chocolate paint.

Provision has been made for improving the appearance of the existing building by constructing parapets with Cuddapah slab coping similar to the proposed additions.

An Armourers shop is to be constructed near the Police Head quarters office on a site to be approved by the Collector. The design for the Armourers shop has been based on the type design issued for Native Regiments, except that the size has been reduced to suit the requirements of the 1st.

The scantlings for roof timber are correct & those for rolled steel beams appear to be fair as noted below.

Load on & strength of girders proposed
Basement floor roof. English & American steel work iron and girder. (girders fixed)

$$\text{Load. Senses } 21'6" \times 8'9\frac{3}{4}" \times 9" \times 120 = 17,052$$

$$\text{Joists } 15 \times 8'9\frac{3}{4}" \times 3" \times 6" \times 46 = 760$$

$$\text{Live load } 21'6" \times 8'9\frac{3}{4}" \times 168 = 31,831$$

$$\text{Total weight on girders } 49,643 \text{ or } 22.16 \text{ Tons.}$$

$$R = \text{by formulae } \frac{W L}{C_o K}$$

$$= \frac{11.08}{22.16} \times 21.5 \times 12 = 44.7 \text{ Sq inches}$$

According to Table a section 12" x 5' weighing 43 lbs per foot will suffice against a section of 14" x 6' weighing 57 lbs, as provided for in the estimate.

Side work. (girders fixed)

$$\text{Load Senses } 19'6" \times 8'10\frac{1}{2}" \times 9" \times 120 = 15,576$$

$$\text{Joists } 14 \times 8'10\frac{1}{2}" \times 3" \times 6" \times 46 = 714$$

$$\text{Live load } 19'6" \times 8'10\frac{1}{2}" \times 168 = 29,074$$

$$\text{Total weight on girders } 45,364 \text{ or } 20.25 \text{ Tons}$$

$$R = \frac{20.25 \times 19.5 \times 12}{12 \times 10.66} = 37.04 \text{ Sq inches}$$

According to Table a section 10" x 6' weighing 45.5 lbs per foot would suffice against the section 12" x 6' weighing 54 lbs, as per estimate.

Police School (girders supported)

$$\text{Load Senses } 19'6" \times 9'0" \times 9" \times 120 = 15,795$$

$$\text{Joists } 14 \times 9'0" \times 3" \times 6" \times 46 = 725$$

$$\text{Accidental load } 19'6" \times 9'0" \times 120 = 21,060$$

$$\text{Weight on girders } 37,580 \text{ or } 16.77 \text{ Tons}$$

$$R = \frac{16.77 \times 19.5 \times 12}{22.16 \times 10.66} = 46.01 \text{ Sq inches}$$

No 582 W d 12 March 1895.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

READ the following

Proceedings of Govt in the Revenue Dept. No 4348 W d 10 November 1894
 of the Board of Revenue (Land Revenue) No 130 W d 15 January 1895
 Endorsement thereon in the Revenue Dept. No 263 W d 22 January 1895
 Note by the Chief Engineer P.W. Dept. d 6 March 1895.

Ld P.

The estimate amounting to Rs 102,230 for additions and improvements to the Collector's office at Cuddalore in the South Arcot District is sanctioned.

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2. The question of providing funds for the work will be considered early next year.

3. Attention is drawn to the Chief Engineer's note recorded above.

4. The sanction accorded

(40-1,000-4-2-95.)

According to Table a section of 12" x 5" weighing 47 lbs is sufficient against the section & the estimate provides for this section accordingly.

First floor wop. Shrivastava P.

Load. Lence - 22'3" x 9'0" x 9" x 120 = 18023

Joists - 15 x 9'0" x 3" x 6" x 46 = 776

Accidental load 22'3" x 9'0" x 120 = 24030

Total weight on girders 42829

R = $\frac{9.56}{2.8 \times 10.66} \times 22.25 \times 12^3 = 59.86$ sq inches
 or 19 1/2 Tons.

According to Table a section 12" x 6" will suffice against 14" x 7" as estimated.

Collectors Court. (girders supported)

Load. Lence 20'3" x 9'11" x 9" x 120 = 18073

Joists 14 x 9'11" x 3" x 6" x 46 = 798

Accidental load 20'3" x 9'11" x 120 = 24098

Total weight on girders 42969

R = $\frac{9.59}{2.8 \times 10.66} \times 20.25 \times 12^3 = 54.65$ sq inches
 or 19.18 Tons.

According to Table a section 12" x 6" will suffice & the estimate provides accordingly.

The girders in the case are weak

The rates are fair.

The plans above have been considered by the Sdys of Police & Registration but not the estimates. They are however approved in the Revenue Dept. with the following remarks.

(a) That it should be considered whether the width of the windows in the second room should not be reduced so as to minimize the waste of space.

(b) That as the plan stands there is no way of passing into the Collectors

& Asst. Collectors retiring rooms except through their sitting rooms.

(c) That the Ammunition Shop should be at some distance from the main building.

With regard to remarks (a) it is submitted that any reduction in the width of the second room window will not be in keeping with the other portion of the building & will probably darken the room owing to the provision of verandahs. Narrow windows will do well for rooms unpunctured with verandahs. (b) doors to the retiring rooms leading from the verandahs for the sweepers as shown in pencil on plan, will be an improvement. (c) can be attended to before completion of the work.

The foundation should be altered to concrete & made 2' lower in the masonry with walls in it. It is sanctioned 26.5.95.

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in para 1 has been registered
as Provincial No 116 W of
1894-95 and classified as
Civil Buildings, Original
Works.

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Estimate for additions and
improvements to the
Collector's Office at Cuddalore,
South Arcot Dist.

T. K.
B. K.

The S. E. I Circle, with 14 enclos:
" Exar, P. A. Accounts
" Revenue Deptt
" Judicial Deptt