

- (1) பக்கங்களின் எண்ணிக்கை 18
 (2) புதுக்கித் திருப்பிய நாள் 2/90
 (3) ஆதாரங்குறிப்பவர் சுருக்கொப்பம் 6/9

தமிழ்நாடு ஆவணக் காப்பகம்.

தமிழ்நாடு அரசு

பொது துறை

அரசாணை எண். மு. கோப்புத் தாள் எண். <u>3239</u>	அச்சகம் பலவகை
நாள் : <u>6. 12. 1990.</u>	<u>1981.</u>

மடிக்கலோ கண்டபடி கையாளலோ கூடாது

6TH DECEMBER 1890, No. 3239 W., PUBLIC WORKS.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following paper:—

From H. IRWIN, Esq., C.I.E., Consulting Architect to Government, to the Chief Engineer, Public Works Department, dated Chepāk, 26th November 1890, No. 2608.

With reference to G.O., No. 1264 W., dated 2nd May 1890, I have the honor to submit plans and estimates, the latter amounting to Rs. 3,56,255, for constructing the Connemara Free Library and Victoria Technical Institute. The difference excess between the approximate estimate and the one now submitted, Rs. 51,985, is chiefly due to the greater cost of the tower which was found necessary in elaborating the details and also to the cost of the book cases in the library, which I regret to say I under-estimated. In working out in detail the wood and iron work in these book cases a very much higher rate had to be put on. If a reduction has to be made in the estimate, only a portion of these might be made at first and others added as books are received, as it is very unlikely that the library will be filled until many years have passed.

2. The foundations are all in for the library, and they are nearly completed for the institute and tower; a good portion of the internal plinth of the library is built, woodwork is in progress, materials are ordered and are being brought to site, and I have every hope that the work will proceed rapidly.

Note by the Chief Engineer, Public Works Department.

The undersigned thinks it is worth considering whether the tower might not be reduced in height by the omission of three of its stories. Seven floors consisting of rooms 16 feet square is scarcely a convenient arrangement for a residence or an office. The tower is estimated to cost Rs. 38,126, and though the foundations have been put in, it might with advantage be modified in design.

(Signed) J. PENNYCUICK, Colonel, R.E.,
3rd December 1890. Chief Engineer, P.W.D.

ORDER—dated 6th December 1890, No. 3239 W., Public Works.

The estimate, amounting to Rs. 3,56,255, for constructing the Connemara Free Library and Victoria Technical Institute, Madras, is sanctioned in supersession of the approximate estimate of Rs. 3,04,270 sanctioned in G.O., No. 1264 W., dated 2nd May 1890.

6TH DECEMBER 1890, No. 3239 W., PUBLIC WORKS.

2. The Consulting Architect to Government will report on the suggestions made in the note by the Chief Engineer, Public Works Department, above recorded.

3. This sanction has been registered as Provincial No. 82 W. of 1890-91, and classified as Civil Buildings, Original Works.

(True Extract.)

Major, R.E.,
Under-Secy. to Govt., P.W.D.

To the Consulting Architect to Government, with twelve enclosures.
" Examiner, Public Works Accounts.
" Public Department.

Exd. J. Moses.
Spare Copies

3239
2

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated December, 6th.

Recd.

Encl.

G.O., 6th Dec. 1890, No. 3239 W.

DECEMBER.

Connemara Free Library and
Victoria Technical Institute

Estimate of Rs. 3,56,255 for constructing
the —, sanctioned with remarks.

P. W. D.

Office of the Consulting Architect to Govt.,
Chopank, Madras,
26th November 1890.

No. 2608

From

Henry Irwin, Esq., C.I.E.,

Consulting Architect

to the Government of Madras,

To

The Chief Engineer

Public Works Department

In,

Enclosures.

7 Drawings
1 Estimate

With reference to G.O. No. 1264, dated
2nd May 1890, I have the honor to submit plan &
estimate the latter amounting to Rs. 3,56,255 for
constructing the Connemara Free Library and
Victoria Technical Institute. The difference between
between the approximate estimate and the one now
submitted Rs. 51,985 is chiefly due to the greater
cost of the Stones which was found necessary in
elaborating the details and also to the cost of the
book cases in the Library, which I regret to say
I under estimated. In working out in detail the
wood and iron work in these book cases a very
much higher rate had to be put on. If a reduction
has to be made in the estimate only a portion of this
might be made at first and others added as books
are received, as it is very unlikely that the Library

will be filled until many years have passed.

The foundations are all in
for the Library, ~~and~~, and they are nearly completed
for the Institute and I have a good portion of the
internal plinth of the Library is built. woodwork
is in progress, materials are ordered and are being
brought to site and I have every hope that the
work will proceed rapidly.

I have the honor to be
Sir

your most obedient servant

Henry Irvine

Consulting Architect

to Governments

4

3228
4

Public Works Department.

Mr. 12640-2-5-20.

From

THE CONSULTING ARCHITECT

TO THE GOVERNMENT OF MADRAS,

To

THE Chief Engineer
P. W. D.

No. 2608

Dated

26th

Received

November 1890.

No. of ENCLOSURES. 10

Subject.

Submitting plans & estimate
amounting to Rs 356255/-
for the Commemorative
Library & Victoria Technical
Institute at Madras.

323
P.W.D.

Note by the Chief Engineer, P.W.D.

The undersigned
thinks it is worth
~~while~~ considering
whether the tower
might not be reduced
in height by the
omission of three
of its stories. Seven
floors consisting
of rooms 16' square
is scarcely a con-
venient arrange-
ment for a residence
or an office. The
tower is estimated
to cost Rs 38,126
& though the founda-
tions have been
put in ^{it} might
with advantage
be

be modified in design.

Wm
3.12.90

Ever

Public Works Department.
TECHNICAL NOTE.
3239

Current No. 11343
Letter No. 2600
Dated 26th November 1890
From the Consulting Architect to Govt.
Name of Work Technical Institute & Commemorative Library
District Madras
Taluk
Amount of Estimate Approx. Rs. 304,270
Do. of Revised Estimate Rs. 3,56,255
G.O. sanctioning original estimate No. 126474
dated 2nd May 1890
Difference, More Rs. 51,985
Less

PARTICULARS OF ESTIMATE.

Library & Reading room
Main Building Rs. 1,73,546
Subsidiary Buildings Tower " 35,464
Class & Lecture Theatre " 122,354
Contingencies " 16,540
Petty Supervision " 8,285
Land compensation " "

Total Rs. 3,56,255

PARTICULARS OF CONSTRUCTION.

Surface soil Lelay
Sub soil do
Foundations 9' deep in 4' of concrete & 5' of brickwork. The foundations of the tower are 6' to 11 1/2 ft deep with 7 1/2 ft of concrete & 4 ft of brickwork. The height of the tower is 17 ft from the top of the foundation.
Basement Thick brick in mortar
Walls Clay & lime brick in mortar

Plastering interior in colors of fine polished

Pointing Exterior Black

Flooring of library & reading room with
consist of polished teakwood planks
& polished marble & feature the same

Roofing Partly galvanized sheet iron
timber & lime plaster

Roof timbers Teak

Scantlings Carrack

Doors and Windows Teak

Lightning Conductors are provided

Rates In Excess.

The plinth area of the main building is
36,042 square feet, and the cost per square
foot will be Rs. 9-13-11

The Plan and Estimate have not been
countersigned by the Director of
Public Instruction
and Gov approved in the
Educational
Department.

REMARKS.

The following rates
are in excess of the
rates given in the
Government Architect's
Schedule for the year 1904

- (1) Excavating foundations Rs 6-11
per 1000 cft against Rs 5-6-11
- (2) Concrete broken stone in
columns - Rs 20- per 100 cft
against Rs 12-8-11
- (3) Brickwork to walls & ceiling
built in mortar Rs 26-9-11
per 100 cft against Rs 24-8-11

- 4) Teak wood door frames
Rs 4-4-11 per cft against
Rs 3-12-11

- (5) Panelled doors Rs 1-8-11
per cft against Rs 1-4-11

- (6) Color plastering - Rs 5-8-11
per cft against Rs 4-10-11

- (7) Painting with 3 coats
of enamel paint Rs 3
per cft against Rs 2-12-11

As the building is
small & the work
of a superior class
it may not be
necessary to question
the rates.

Provision is made
in the Est. for
Lightning Conductors Rs 10
Furniture Rs 2000

It is explained
that the excess of
Rs 51,985 is chiefly due
to the greater cost of the
work in estimating the
rates, and also to the
work done in the library
which were under-
estimated.

Considering the height
of the tower 177 ft to top of
finial, and the nature
of the soil clay, the depth

of the foundations do
not appear to be sufficient
but it is stated that
the foundations have
already been laid.

advantage be modified
in design -

Cons?

Mar
3.12.90

The designed

I think it is worth
considering whether
the tower might not
be omitted or else

considerably reduced
in height ^{to the tower in the 2nd floor} or seven floors

consisting of rooms
16' square is scarcely
a convenient arrangement
for a residence or an

Office. It seems doubtful
whether it is necessary to
provide a residence for
any officials connected
with the Institute.

The tower is estimated
to cost Rs 35,126 &
though the foundations
have been put in I
think it might be better

PROCEEDINGS OF THE MADRAS GOVERNMENT

Read the following

on the Cons. Archt
to Government No 2608 of 26th Nov 90
by the Ch. Eng. P.W.D. of 3rd Decem 1890.

The estimate
amounting to Rs
3,56,255 for constructing
the Connamara Free
Library and Victoria
Technical Institute,
Madras, is sanctioned
in supersession of
the approximate
estimate of Rs 3,04,270
sanctioned in G.O. No
12644, dated 2nd
May 1890.

2. The Consulting
Architect to Govt
will report on the
suggestions made
in

in the note by the
Chief Engineer,
P.W. Dept., above
recorded.

3. This Sanatorium
has been registered
as Provincial No.
82 W of 1890-91,
& classified as Civil
Buildings, High Work.

W. W.
3.12.90

S. W.

223910
6/12/90

To
The C.A. to Govt
with 12/12/90
Ed. P. W. Dept.
Public Health.

HA 3/12
26 XII.

11343

26.7.2014

Govt. of Madras.

PUBLIC WORKS.

28.9.21

Date

Recd.

Encl.

Co. 6. 100. 323915.

Cammaru Free Library
& Victoria Technical
Institute

Sum of Rs. 3,56,255
for works the - sanctioned
with remarks -

100
6

9

20.12.12