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TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

J. W. D. DEPARTMENT

G.O. No.	1160 W	Press.
B.P. No.		Mis.
Dated	7 5 1884	197 .

(Signature)

Not to be folded or roughly handled

17

7TH MAY 1884, No. 1160 W., PUBLIC WORKS.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following letter from Major J. L. L. MORANT, R.E., Officiating Consulting Architect to the Government of Madras, to the Chief Engineer, Public Works Department, dated Chepāk, 21st April 1884, No. 95:—

In reference to your office note, No. 625 D., dated 28th March 1884, I have the honor to submit a design and estimate for erecting a bridge across the Madras junction canal, at an approved place near the Senate House.

1 Detailed estimate.
1 Duplicate abstract.
1 Tracing.
1 File of papers.

2. The estimate amounts to Rs. 29,455, but by omitting for the present the lamp standards, pierced parapet and coat of arms, and by stopping the traffic in that part of the canal during the construction of the bridge, instead of temporarily diverting the channel, only Rs. 26,318 would be required.

3. The bridge is proposed to be of brick faced with cut-stone, the parapets being wholly of cut-stone. It is more costly than the iron bridge before designed, because it has been thought necessary to have a bed of concrete for the foundations of 3 feet in thickness instead of only one foot, which latter is considered insufficient, and it provides two foot-paths in addition to the roadway which the other did not. From the nature of its construction it is a more permanent structure.

4. The papers accompanying your office note are returned.

From the Consulting Architect to Government, dated 29th April 1884, No. 146.

ORDER—dated 7th May 1884, No. 1160 W., Public Works.

The estimate, amounting to Rs. 29,455, for constructing a bridge over the junction canal near the Senate House at Madras, is sanctioned for execution by the Consulting Architect.

2. The work should be put in hand at once from the provision made in the final issue of the Provincial Budget.

3. This sanction has been registered as Provincial No. 23 W. of 1884-85 and classified as Communications, Original Works.

(True Extract.)

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

To the Consulting Architect to Government, with seven enclosures.

„ Superintending Engineer, V Circle.
„ Examiner, Public Works Accounts, with duplicate abstract estimate.
„ Public Department.

Exd. A. Aubert.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Gobt. of (1884) Madras.

PUBLIC WORKS.

Dated May, 7th.

Recd.

Encl.

G.O., 7th May 1884, No. 1160 W.

MAY.

Bridge

Estimate of Rs. 29,455 for constructing a
— over the junction canal near the Senate
House at Madras, sanctioned.

Letter from Consulting Architect
No. 95 dated 21-4-84.
with plan & estimate for a
bridge over the Buckingham
Canal, to the north west of
the Senate House.

For orders $\frac{1160}{2}$

Should sanction the
construction of the bridge
subject to the remark
underleaf. It will not only
be a great convenience to
the public but will restore
to the House the approach
which from the beach
which existed before
the excavation of the
canal.

29/4.

Of course such a
bridge as proposed
will be an improve-
ment & useful. This
I don't think the con-
venience to convoca-
tion need be named.

The main object of this
proposed bridge is to complete
the communication along the
bank of the Kuan, between
the Mount Road & the Beach,
and thus to restore to the Madras
public the enjoyment of their
most favourite drive, given
to them in 1859 by Sir Charles
Verelstam, but of which they
have been deprived since the
construction of the Canal in
1877. The construction
of the proposed bridge would
also serve another important
purpose, by affording an
additional & much-needed
means of access to the
Senate House, where it

for the current year, a
sum of £20,000 has
been provided for this
bridge; and there will
be no difficulty in
arranging for the balance.

If the proposal meets
with approval, I hope to
have the bridge completed
before November next.

Maunthwaite

28.4.84

With respect to the large
estimated cost, it is perhaps
needless to remark that this
is mainly due to the expensive
materials, ashlar masonry &
pressed bricks, which it is
proposed to use. As an
argument for their use, it
is scarcely necessary to point
to the decaying brickwork of the
existing bridges over the
Canal, and to the corroding
ironwork everywhere in
the neighbourhood.

Old. 4/84 Cir 28/4

Hon. H. E. Sullivan
H. E. the Governor
Hon. C. G. Master



doubt that it will
be highly acceptable
to the public & that
it will ^{further} improve
the appearance of
the Beach & its
neighbourhood which
have in the last
few years been so
much improved

MSD
Apr 30/84

To W.

C.N. 3416

Buckingham Canal Bridge.

C.C. now submits plan & estimate
of Rs. 27,455 for the above. 18/84

This is much more than was estimated.
He states, however, that by omitting
the lamp standards, pierced parapets,
& coat of arms, and by stopping the traffic
in that part of the canal during construction
the cost can be reduced to Rs. 26,318.

It will probably be considered not
worth while to save but Rs. 3000 at the
expense of the appearance of a conspicuous
bridge and to the great inconvenience
of the boat traffic.

For similar reasons it would be
unwise to reduce the great width of
bridge & roadway, one great element of
the high cost.

Some saving could possibly be
effected -

- (1) by reducing the perhaps excessively
massive width of wing walls;
- (2) by cutting out the stone flooring &
its retaining walls, as there can be
(I imagine) but little or no scour
in the canal
- (3) by substituting rustic concrete for
the very expensive masonry concrete
work in the foundations.

But all this would be more cheap-
ening & of little avail, whilst involving
some little risk.

On the other hand, I would advocate
a slight addition to cost, and that
is to carry the ashlar key stone right
across the brick sheeting from face
to face. There will be danger of
the brick arching separating from

0

C. A. W.

This subject was discussed today in Council, & it was agreed that the bridge sh^d. be at once begun. ^{120/10}

Please draft S.O. 5 accordingly - & send telegram to C.A. as follows: deferred.

Dec 30. 6. 84.
"Your letter 95 of 21st -
Senate House bridge
sanctioned for immediate
execution."

W

30-4-84

The stone arch spring ring, more especially as the stone masonry will be finely dressed and of great weight.

The corner shows back. I should like to see made of one piece with the portion of top chamfered corner of abutment facing immediately under the cut stone is a detail to be considered in construction.

of course it is the expensive material proposed which makes the expensive bridge, but in support of the stone work designed I would point to the shabby decaying brickwork of the existing bridges over the canal and the covering iron work all about. The arches and pierce bricks will in the long run be economical.

C.A.

23. 4. 84

line of road to the west.
(towards Govt. House).
The line of road to the east
(towards beach) I have marked
on plan with red pencil.

Please show it to Dr. Duncan.
the Registrar. He knows
all about the proposal, &
approves thoroughly, — but
I should like him to see all
the details, before the work is
put in hand.

The new road will of course

11/23/8
become a very important
thoroughfare, for carriages
only, — but please point
out to Dr. Duncan that it
will not be so near the
Senate House as the existing
thoroughfare to the South.

Of course, from the new
thoroughfare, two roads will
branch off to the Senate House,
— which will in my opinion
gain greatly by the new bridge,
in convenience of access. &c.

with respect to the details of
the work. Please take the
matter over with Morant.
I am inclined to concur with
you, as to using stone instead
of brick, - and any proposed
Morant may make will be
carefully considered.

Would much, saving Kew
from emitting costs of about
£1000? Of what nature
are the latter to be?
Yours sincerely
M. A. M. M.

2

Avoid reply from
S. D. M.

CS

1160
~~14~~ 9

J. H. W.

Dispute now, please,
of Hutchinson Canal
bridge plat.

D. Duncan has approved.

L.O. done $\frac{1160}{+510}$ cu
paper please

S.A. Br.

Cu

Here with

$\frac{715}{715}$ Boe

Spec
7/5/83

1180
11

Public Works Department, 1884-85.

Current No. 3414

Letter No. 95

Dated the 21st April 1884

From the *Cons. Architect to Govt*

NOTE OF REMARKS.

1. The plan and estimate herewith submitted ^{proposed} for constructing a bridge across the Madras Jung^{ly} Canal at a site near the Senate House. The estimated cost is Rs. 29,455.
2. The bridge is 118 feet in length, and 31 feet wide between parapet walls. The center 24 feet of width are to be metalled, with a raised foot-path, 3½ feet, on either side. The canal is spanned with a single arch of 30 feet, with a rise of 4 ft. 4 inches. The tow paths have been arched over on either side of the canal. The bridge is to be built of brick in mortar faced with

OKS. 48/4 Cir 28/4

Q. 24/4/84

with cut stone. The parapets, however, to be entirely of cut stone. The foundations of the bridge are to rest on a bed of concrete 3 feet deep.

3. It appears scarcely worth while to adopt the means suggested by C. A. in para. 2 of his letter, for reducing the amount of the estimate to Rs. 26,318.

22nd April/84
RSH

1160
8

P. W. D.

Consulting Architect's Office,
Chepauk, Madras,

21st April 1884.

No. 95

1160
92

From

The Consulting Architect to the Government of Madras.

To

The Chief Engineer, Public Works Department.

In,

Enclosures.

- 1 Detailed Estimate
- 1 Duplicate Abstract
- 1 Tracing
- 1 Set of papers.

In reference to your office note No. 6250 dated 28th March 1884 I have the honor to submit a design and estimate for erecting a bridge across the Madras Junction Canal at an approved place near the Senate House.

2. The Estimate amounts to Rs. 29,455 but by omitting for the present the Lamp Standards, pierced parapet and coat of arms and by stopping the traffic in that part of the canal during the construction of the bridge instead of temporarily diverting the channel only Rs. 26,318 would be required.

3. The Bridge is proposed to be of brick faced with cutstone the parapets being wholly of cutstone. It is more costly

than the iron bridge before designed
because it has been thought necessary
to have a bed of Concrete ^{50/2} the foundations
of 3' in thickness instead of only one
foot, which latter is considered insufficient,
and it provides 2 foot-paths in addition
to the roadway which the other did not.
From the nature of its construction it is
a more permanent structure.

4. The papers accompanying your
office note are returned.

I have the honor to be

Sir

Your most obedient Servant

J. H. Morant

— Major R. E.

Offg: Cons. Architect to Govt.

1160
13

no 612c. of 13/3/84
L.C. no 370 Rm 28/6/80
" " 1534 W. 30/6/80
no 2296c of 22/11/83
" 625 D. 28/3/84

P. W. D.

Roads and Buildings.

From

THE CONSULTING ARCHITECT

TO THE GOVERNMENT OF MADRAS,

To

The Chief Engineer P. W. D.
Chennai.

No. 95

Dated 21st April 1884

Received

No. of ENCLOSURES. 4

Subject.

Submit plan and estimate for a Bridge proposed to be erected over the junction Canal near the Senate House.

ols. 48/4 Cir 28/4
24/4/84

Published by P. W. D.

Consulting Architect's Office,
Chennai, Madras.

29th April 1884.

No. 146

1160
6 147

From

The Consulting Architect to the Government of Madras,

To

The Chief Engineer, Public Works Department.

To,

Enclosures.

* in separate cover.

In reply to your Telegram received at 5⁴⁵ P.M. last night, I have the honor to forward the large plan of Chepak and Government House Parks shewing the site for the Bridge proposed to be built on the North West side of the Senate House.

I have the honor to be
Sir

Your most obedient Servant
R. E. Morant
Major R. E.

Offg: Consgr. Architect to Govt

25 D 28.3.84
612 C 13.3.84
2296 C 22.11.83
1534 W 30.6.80
370 R 28.6.80
284 W 6.2.80.

P. W. D. *Wch 3778*
Roads and Buildings.

From
THE CONSULTING ARCHITECT
TO THE GOVERNMENT OF MADRAS,

To
The Chief Engineer
Public Works Department



No. 146

Dated 29th April 1884

Received 3/5/84

No. of ENCLOSURES. 1 (plan)

Subject.

Forwards large plan
of Chepak and Government
House Parks.

O.S. 60/11.

B.R. 1160/84
PUBLIC WORKS DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the 7th May 1884.

Read the following

1160/16
Letter from the Consulting Architect
to Government. (P.E. No. 95 of April 21, 1884)
Do 3 " " 146 of 29 - "

The estimate amounting
to Rs 29,455, for constructing
a bridge over the junction
canal near the Senate
House at Madras, is
sanctioned for execution by
the Consulting Architect.

The work should be
put in hand at once
from the provision made
in the final Spec of the
Provincial Budget.

This sanction has been
registered as Provincial
No 23 W of 1845, and
classified as Communications
Original Works.

III
1-5-84

2
- 8314

To,

The Consulting Architect to Govt
with 2 copies

" S.E. I. Wick

" Examiner of Works
with 2 copies

" Public Dept

RS
E. E. S.

160
17 17

3778

Govt. of (1884) Madras.

PUBLIC WORKS.

Dated

17

9/5

Read

Encl

G.O.

7 May

1884, No.

1160

Bridge

Estimate of Rs 2945

for constructing a

over the junction

canal near the

Senate House at

Madras, sanctioned

60

5

21/5/84