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Initial of Reference. *Umsc*

P.W. DEPARTMENT.

G.O. NO 3303

dated - 3-12-1887

A5

B5

A4

B5

B4

A4

A3

A.14

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following papers :—

G.O., dated 22nd October 1887, No. 1090 M., Local and Municipal.

Read—the following letter from Lieutenant-Colonel G. M. J. MOORE, President, Municipal Commission, Madras, to the Chief Secretary to Government, dated Madras, 22nd June 1887, P.W. No. 335 :—

With reference to G.O., No. 959 L., dated 30th May 1887, I have the honor to state that I am not in a position to undertake the execution of the proposed improvements to the Elephant Gate bridge.

2. A work of this magnitude and importance would require an efficient officer with much experience to be always on the work. The Engineer Vice-President has not the time to devote to it, nor is there the necessary staff available.

3. Under these circumstances, I would venture to suggest that the work be executed by the Public Works Department.

Order—dated 22nd October 1887, No. 1090 M., Local and Municipal.

The Public Works Department will be requested to arrange for the work being commenced directly after the monsoon. A grant will be made of such funds as can be spent this year, and the balance provided next year.

(True Extract.)

(Signed) W. S. MEYER,
for Ag. Chief Secretary.

No. 3038 W., Public Works.

Communicated to the Superintending Engineer, V Circle, who will report, without delay, what sum can be spent during the current official year on the work of widening the Elephant Gate bridge.

2. It is understood that the plans and estimates for the work, prepared by the Executive Engineer, Presidency division, are now with the President, Municipal Commission. The Superintending Engineer should obtain and submit them for the formal sanction of Government.

11th November 1887. (Signed) J. O. HASTED, Colonel, R.E.,
Secretary to Govt., P.W.D.

From Colonel H. M. VIBART, R.E., Superintending Engineer, V Circle, to the Chief Engineer, Public Works Department, dated Chopak, 23rd November 1887, No. 3475.

With reference to G.O., No. 3038 W., dated 11th November 1887, I have the honor to forward, for sanction, the plan and estimate of Rs. 20,300 for widening the Elephant Gate bridge at Madras.

2. The information as to the sum that can be spent on the work in the current year will be sent in a few days.

ORDER—dated 3rd December 1887, No. 3303 W., Public Works.

The estimate, amounting to Rs. 20,200, for widening the Elephant Gate bridge, Madras, is sanctioned for early execution.

2. A report from the Superintending Engineer, as to the sum which can be spent on the work during the current official year, will be awaited.

3. This sanction has been registered as Provincial, No. 132 W. of 1887-88, and classified as Communications, Original Works.

(True Extract.)

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

To the Superintending Engineer, V Circle, with four enclosures.
" Examiner, Public Works Accounts, with duplicate abstract estimate.
" Local and Municipal Department.
" Financial Department.

Edw. E. Fernandez.
Spare Copies

3303
7

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of (1887) Madras.
PUBLIC WORKS.

Dated December, 3rd.

Recd.

Encl.

G.O., 3rd Dec. 1887, No. 3303 W.

DECEMBER.

Elephant Gate Bridge, Madras

Estimate, amounting to Rs. 20,200, for widening the —, sanctioned, and a report from the Superintending Engineer, as to the sum which can be spent on the work during the current official year, awaited.

3303/27

injury to the foundations
of the old work, and
that the Extension
with funds should
be sufficient reason
to adopt the method
employed in the
construction for
the widening of
the Elephant Gate
bridge.

Marine concrete
foundations built
on what is termed
a gangue and
on a crust of earth
overlying a gangue
are likely to settle
down till firm
soil is reached, in
which case the
better to construct
the walls as shown
in the case of the
General Hospital
bridge Extension.
The case has
been examined

should be brought as close

as possible to the bridge, in

order to reduce the amount

of pumping. His work
states that "boiling" is
to be carried out; and
centrifugal pumps would
be the most satisfactory
arrangement.

An over-way foot bridge
for the use of pedestrians,
while the gates at the
head crossing are closed,
would be preferable to an
underground passage. I
presume the foot bridge
would be carried out by, and
at the cost of the M.R.C. No
mention is made of this
in the report.

W. H. 87

30.11.87

Public Works Department.

Current No.

9585

3303/8

Letter No.

3475

Dated the

23rd September 1887

From the

Supy. Engr. to Civil

NOTE OF REMARKS.

The accompanying
estimate amounting
to Rs 20,200 provided
for constructing an
additional width
of 15' to the Elephant
Gate Bridge which
crosses the Buckingham
Canal near the Salt
Lagoon Station.

This estimate was
previously submitted
to the Committee in
their Office on the
15th April 1886 and
as no alterations have
been made to the
estimate and the
estimate was submitted
in form number 100
only accompanying a

Elephant gate bridge

C No 9585.

I do not like the arrangements
proposed of a bed of
concrete 4' thick, to form
the foundations for the piers
and the flooring, as this
bed of concrete cannot
be the equally all over.

I would suggest that
the concrete be stopped off
with a footing of 1 1/2 feet
on the inside of the ~~canal~~
piers, and that the
flooring of the whole of
the water way be of
rough stone, with retaining
walls up & down stream.
Brushwood made up into
fascines, with a layer of
mango wood planks, would
make a good bed on which
to lay the foundations of the
bed of the canal is of very
soft mud as it almost certainly

The ring beam to the south

the bridge. It is stated
 in the foundation
 Council in preference to
 walls and the usual
 assigned for not adopting
 the latter are

1st That sinking
 walls would endanger
 the existing foundation

2nd The present state
 of the ground

3rd The ground
 of the General
 Hospital bridge
 was found to be

in a dangerous state
 and that there is no
 reason to suppose

it will be different
 at the Elephant
 Gate bridge.

The fact that walls
 have been successfully
 sunk in the foundation
 of the Victoria St
 General Hospital
 bridge without

but regard to the remark which
 I have made with blue pencil
 the report does clearly not state
 walls in the General Hospital

Bridge proved dangerous to the
 work. The use of concrete in a
 of masonry thickness
 has been approved.

The question of being may be left
 to the Engineer.

The undersigned will be made
 in the railway authorities
 and may be continued

J. W.
 30/10/87

333 W

22ND OCTOBER 1887, No. 1090 M., LOCAL AND MUNICIPAL.

937/5

GOVERNMENT OF MADRAS.

LOCAL AND MUNICIPAL DEPARTMENT.

Read—the following paper:—

From Lieutenant-Colonel G. M. J. MOORE, President, Municipal Commission,
 Madras, to the Chief Secretary to Government, dated Madras, 22nd June
 1887, P.W. No. 335.

With reference to G.O., No. 959 L., dated 30th May 1887, I have the
 honor to state that I am not in a position to undertake the execution of the proposed
 improvements to the Elephant Gate Bridge.

2. A work of this magnitude and importance would require an efficient officer with
 much experience to be always on the work. The Engineer Vice-President has not
 the time to devote to it, nor is there the necessary staff available.

3. Under these circumstances, I would venture to suggest that the work be
 executed by the Public Works Department.

ORDER—dated 22nd October 1887, No. 1090 M., Local and Municipal.

The Public Works Department will be requested to arrange for the work being
 commenced directly after the monsoon. A grant will be made of such funds as can be
 spent this year, and the balance provided next year.

(True Extract.)

Ag. Chief Secretary.

To the President, Municipal Commission, Madras.
 „ Public Works Department.
 „ Financial Department.

Edw. A. Raitt.

Gobt. of (1887) Madras.
LOCAL AND MUNICIPAL.

Issued

Recd.

Encl.

G.O., 22nd October 1887, No. 1090 M.

307426 27 OCTOBER.

713-53 07 06
1286-45 21 06
7071-14 10 06
5488-8 12 06
3838-12 06
4131-12 06
43-12 06
4899-12 06
4361-12 06
4144-12 06
3971-12 06
4144-12 06
4144-12 06

Elephant Gate Bridge.

Requesting the Public Works Department to arrange for the improvements to the bridge commenced directly after the monsoon, and promising a grant for the work from Provincial funds.

No. 3475.

SUPERINTENDING ENGINEER'S OFFICE,

V CIRCLE, MADRAS.

Depot 23 October 1887.

From

Collyer, M. P. O. 33 1/2
SUPERINTENDING ENGINEER,

V CIRCLE,

To

Chief Engineer
P. W. Dept.

Sir,

Enclosures. 5.

With reference to G.O. 3038 dated 11 October 1887, I have the honor to forward for the consideration of the Chief Engineer of P.W. Dept. the plans and estimates of Paper 20,300 for widening of the Elephant Gate Bridge at Madras.

2. The information as to the sum that can be spent on the work in the current year will be sent in a few days.

I have the honor to be,
Sir,

Yours Most Obedient Servant
Henry J. P. O.
Superintending Engineer, V Circle

Communicated to the
Supt. Engineer V. Circle
who will report without
delay what sum can
be spent during the
current official year
on the work of widening
the Elephant Gate Bridge

It is understood
that the plans & estimates
for the work prepared by
the Supt. Engr. P. W. Dept.
are now with the President
Municipal Commission. The
Supt. Engr. should submit
a copy of them for the
formal sanction of the

S. E. V. Circle

Super. Engr. P. W. Dept.

P. W. Dept.

With Order

B. No 3038 W. 11-11-87
 - 713 W. 8-3-87
 - 557 W. 24-2-87
 No 598 A. 1-9-86
 - 2071 W. 18-8-86
 - 1286 W. 21-5-86
 - 383 D. 12-7-86
 - 2171 C. 15-6-86
 - 1431 W. 7-6-86
 - 109 D. 18-5-86
 - 2224 W. 10-9-84
 - 734 - 31-3-85
 - 115 W. 22-5-85
 - 2897 W. 4-12-85
 - 1764 C. 26-11-85
 - 2694 D. 25-11-85
 - 2146 W. 15-9-85

From

THE SUPERINTENDING ENGINEER,

V. CIRCLE,

To

The

Chief Engineer
 P. H. Dey

Dated 23

Recd.

Enclosures 5



No. 3475

Elephant
 Gate Bridge

Forwards for
 execution the plan
 estimated at Rs. 20,200
 for widening the

Received by the Chief Engineer
 P. H. Dey

3303

Read

Co. L. & M. Dept. No 1090 M. & 22-10-87
 Co. P. & M. Dept. is 3038 W. & 11-11-87
 from the S. V. Circle No 2275 & 22-11-87

The estimate
 amounting to Rs. 20,200
 for widening the Elephant
 Gate bridge, Madras,
 is sanctioned for
 early execution.

2. A report from the
 Super. Eng. as to the sum
 which can be spent on
 the work during the
 current financial year,
 will be awaited.

3. This sanction has
 been registered as
 Prov.

Serial 132 w of
87-88, & classified
Communication, Original

Notes

WCS

30.10.07

for
20/11/07

see pp
13/12/87

S.S. II Circle

with 14 enclos

Encl. No. 1 with 10 p. 11

Local & Rural Dept

Am. Dept

Ca

330
/8

Govt. of Madras

PUBLIC WORKS.

63/215

3rd Dec 1883

Elephant Gate
Bridge, Madras

Estimate amounting
to Rs 20,200 for widening
the —, sanctioned &
a report from the Supdy
Engs as to the sum which
can be spent on the
work during the current
official year, awaited

90
6

63/215