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(2) Date of repair 9. 1. 87
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TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

P.W. DEPARTMENT

G.O. No.	1221 W	Press.
B.P. No.		Mis.
Dated	21. 5. 1880	197.

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1221
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GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

21st May 1880, No. 1,221 W.

Buildings and Roads.
Civil Works.

Read the following papers:—

No. 56. Endorsement of the Acting Under Secretary to Government, Financial Department, dated Madras, 16th February 1880, No. 349.
Proceedings of the Board of Revenue, dated 10th February 1880, Miscellaneous No. 1,575.

From J. F. PRICE, Esq., President of the Local Fund Boards, Chingleput District, to the Acting Secretary to the Board of Revenue, dated Saidápet, 26th January 1880, No. 6.

In reference to paragraph 2 of G.O., Public Works Department, No. 1,278 W., dated 12th March 1878, communicated with G.O., Financial Department, No. 567, dated 26th idem, I have the honor to submit, herewith, the resolution of the Saidápet Local Fund Board passed at their last meeting, on the subject of the construction of central girders to the Kortalayár bridge.

Extract from Proceedings of the Local Fund Board of the Saidápet Circle at a Meeting held at Saidápet on Thursday, the 15th January 1880, No. 1.

IV. (i).—Read again G.O., No. 1,278 W., dated 12th March 1878, directing that the addition of central girders to the Kortalayár bridge may receive the promptest consideration.

(ii).—Read also previous correspondence on the subject.

(iii).—Read again letter from the Superintending Engineer, No. 3,689, dated 14th October 1878, forwarding a design and an estimate for Rs. 62,100 for the construction of central girders to the Kortalayár bridge.

The Board having had the plan for the central girder proposed for the Kortalayár bridge explained to them by the Executive Engineer, Chingleput Division, and having questioned him as to the effect which its construction will have and as to the strain which a crowd of 5,000 persons which is a far larger number than in any human probability can ever possibly be on the bridge would cause considering it their duty to protest against being called upon to pass the plan and estimate for Rs. 62,100 forwarded to them by the Superintending Engineer in accordance with G.O., No. 1,278 W., dated 12th March 1878.

They gather from the papers perused that the bridge was calculated to bear a strain of 112 lbs. per square foot excluding 60 lbs. the weight of roadway, that on testing it the bridge did bear the strain, but that there was a deflection caused and that the effect of the central girder proposed would be that the bridge would bear the strain mentioned above without deflection occurring, and that the only source of danger to be anticipated in the present state of the work would be a very large crowd or else a laden elephant.

The Executive Engineer has stated to the Board that a crowd of 5,000 persons on the bridge at one time would cause a strain of 30 lbs. to the square foot, which is but a little over a fourth of the strain which the bridge was built to bear.

The Board are in a position to ensure that there shall be no large crowds or other assemblages on the bridge and that elephants do not pass over it, and as it appears capable with these precautions of fulfilling without danger the purposes for which it was constructed, they trust that Government will reconsider the question of insisting upon a measure which can only plunge them still deeper in a debt which has already swallowed up a very large share of the finances of the circle.

The Board would, in reference to paragraph 1 of the G.O. quoted above, bring to notice that the drawing now supplied to them for consideration is a mere sketch, that there are no detailed drawings and that in a matter involving a proposal for the outlay of a very large amount of their funds they should have been furnished with an explanatory memorandum.

(Signed) J. F. PRICE,
President.

SUBMITTED for the orders of Government.

2. The cost of the proposed girders would be a heavy drain on the resources of the Local Fund Board.

(True Copy and Extract.)

(Signed) J. STURROCK,
Acting Sub-Secy.

To the Chief Secretary to Government, Financial Department, with original
enclosures to be returned.

TRANSFERRED to the Public Works Department.

(Signed) H. B. GRIGG,
Acting Under Secretary.

No. 56-A. From the Superintending Engineer, Second Circle, dated 1st May 1880,
No. 34.

No. 56-B. Memorandum by the Chief Engineer, Public Works Department, dated
Ootacamund, 15th May 1880, No. 1,337-A.

The undersigned is of opinion that the cross girders can be trusted to bear a distributed load of 90 lbs. per square foot, and a single concentrated load at any one point of 5,000 lbs. exclusive of the weight of the roadway.

2. The former load could only be brought upon the bridge by the collection of 2,000 persons upon a single span, and the latter by the passage of an elephant or of a heavy tractive engine or road-roller.

3. Provided proper arrangements are made, as can easily be done for guarding against the above contingencies, the undersigned does not consider the provision of additional central girders necessary.

(Signed) R. H. SANKEY, Col., R.E.,
Chief Engineer, P.W.D.

No. 57. ORDER THEREON, 21st May 1880, No. 1,221 W.

THE Government accept the opinion expressed by the Chief Engineer; the responsibility will rest with the Local Funds Board for making the necessary provision to prevent the bridge from being subjected to such strains as those which the Chief Engineer considers dangerous.

(True Extract.)

(Signed) R. H. SANKEY, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, Second Circle.
" Financial Department.

Exd. E. C. Shunker.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of (1880) Madras.
PUBLIC WORKS.

To
THE SUPERINTENDING ENGINEER,
SECOND CIRCLE.
Sd/-, Sd/-, Sd/-

Dated May, 1880.

Recd.

Recd.

Recd.

G. O., 21st May 1880, No. 1,221 W.

MAY.

Nos. 46-57.

Kortelapet Bridge, Second Circle.—The responsibility for making the necessary provision to prevent the — from being subjected to undue strains to rest with the Local Fund Boards.

Handwritten: Govt. of Madras

Handwritten: P1 Revenue Department.
Miscellaneous No. 1575. 193/3

Handwritten: Proceedings of the Board of Revenue
Dated 10th February 1880.

Handwritten: Read the following letter from J. F. Price Esquire, President of the L. F. Board, Chingleput District to C. A. Cotton Esquire, Secy. Secretary to the Board of Revenue, Madras dated Saidapet 28th January 1880 No. 6:—

Handwritten: In reference to para 2 of G. O., P. W. D. No. 1278 W. dated 12th March 1878, communicated with G. O., P. W. D. No. 567 dated 26th of Idem, I have the honor to submit, herewith, the Resolution of the Saidapet Local Fund Board passed at their last meeting, on the subject of the construction of central girders to the Contetther Bridge.

Handwritten: Submitted for the orders of Government.
2. The cost of the proposed girders would be a heavy drain on the resources of the Local Fund Board.
(One copy retained) J. M. M.
The Chief Secretary to Govt. P. W. D. Secy. Secretary
with original Rules. etc.

Handwritten: C. A. Cotton

Extract from Proceedings of the Local Funds Board of the Saidapet Circle at a meeting held at Saidapet on Thursday the 15th Jan 1886

IV. (i) Read again G.O. No 1270 W date 12th March 1878 directing that the addition of central girders to the Cortelliar Bridge may receive the promptest consideration.

(ii) Read also previous correspondence on the subject

(iii) Read again letter from the Chief-Intending Engineer No 3689 d.d. 14th October 1878 forwarding a design + an estimate for Rs 62,100 for the construction of Central girders to the Cortelliar Bridge.

The Board having had the plan for the central girder proposed for the Cortelliar Bridge explained to them by the Executive Engineer, Chinglepet D^o, and having questioned him as to the effect which its construction will have and as to the strain which a crowd of 5,000 persons which is a far larger number than in any human crowd

2 M. P. V. 04-
P.W.D.
16 July 1880
1711530

No

No 319

R.D.
1711530

Wait 10th February 1886.

Read of R.D.

11th Dec 1880 / 1881
Proceedings of the
Local Funds Board

No 466

Proceed

17/12

K. A. Jyoti
By Under Secretary

14.2.86

Transmitted to the Executive Engineer, Police Circle

Submitting for the order of
the Local Funds Board
the proposal for
improving construction of gates
in the Cortelliar Bridge
in the Saidapet Circle

No 1270 W. 12-3-78
17-2-78

probability can even possibly be on the
Bridge would cause, consider it their duty
to protest against being called upon to pass
the plan and estimate for Rs 12,100 forwarded
to them by the Superintending Engineer
in accordance with G. O. No. 1278 dated 12th
March 1898.

They gather from the papers peruse,
that the Bridge was calculated to bear a
strain of 112 lbs per square foot excluding
both the weight of road way, that on
testing it the Bridge did bear the strain but
that there was a deflection caused and that
the effect of the central girder proposed would
be that the bridge would bear the strain
mentioned above without deflection occurring
and that the only source of danger to be anti-
cipatd in the present state of the work
would be a very large crowd or else a laden
elephant.

The Executive Engineer has stated to the

41/5 127/6
Board that a crowd of 5000 persons on the
Bridge at one time would cause a strain
of 30 lbs to the square foot which is but
a little over a fourth of the strain which the
Bridge was built to bear.

The Board are in a position to ensure
that there shall be no large crowds or other
assemblages on the Bridge and that
elephants do not pass over it and as it
appears capable with these precautions
of fulfilling without danger the purposes
for which it was constructed they trust
that Government will reconsider the
question of insisting upon a measure which
can only plunge them still deeper in a
debt which has already swallowed up a
very large share of the finances of the
Circle.

The Board in reference to para 1 of the
S.O. quoted above bring to notice that
the drawing now supplied to them for

consideration is a mere sketch, that there are no detailed drawings and that in a matter involving a proposal for the outlay of a very large amount of their funds they should have been furnished with an explanatory memorandum.

P.W.D.
17 FEB 80

signed J. F. Rice
President
True Extract

John F. Rice
President

See Trust's letter
no 6d/26 Jan 80

Jan 11/80

see
no 7-16/80

2nd Circle, Sup. Engr. Office
Bamhatton, 1st May 1880
From The Sup. Engineer
2nd Circle
To The Chief Engineer
S. M. D.

4.6 W 1221 W 45-8
Para 2
2nd line
71 900 persons
Rev - 900 persons
reference no 667
January 1880
Conor
the plans
of Bridge
is in the

location & section
orders for the records.
at Bridge of Report
together with one
Pink with William to the recent changes
one of the least likely
March 15, 1876.
elevation & section
of 1002 of 23, proposed
least likely
the one better for
interest estimates.
I regret that owing to
your memo has not been
attended to before.
I have the honor to be
Yours most obedt
M. M. Major, R.E.
Sup. Engineer, 2nd Circle

consideration is a mere sketch, that there are no details drawings and that in a matter involving a proposal for the outlay of a very large amount of their Funds they should have been furnished with more information.

President

see H. 7-1466/30

Jan 11/1880

N^o 34 2nd Circle, Supg. Engr. Office
Bainbridge, 1st May 1880
From The Supg. Engineer
2nd Circle
To The Chief Engineer
S. M. D.

Sir,

Enclosures 6.

1. Plan section & elevation of the proposed bridge across River Leestelliat, of 30th November 1875.
1. Plan of lower girder plates of bridge over Leestelliat at crossing of Northern Bank Road, of 5th December 1877.
1. Section of the Leestelliat river at site of the proposed bridge across it on the 17th mile of the Northern Bank Road.
1. (Tracing) Elevation & section of Iron Warren Girders for the proposed Leestelliat Bridge, of Report of April 1875, together with one of Pontreath entered into with William Maylor Esq.
1. (Tracing) Section of the Leestelliat girder bridge of March 15th 1876.
1. (Tracing) Plan, elevation & section of a Centre girder of 10 in x 23, proposed to be added to the Leestelliat river of 6th Sept 1878 with one notice for Girders & an abstract estimates.

With reference to your Memo No 667 dated 20th February 1880,

I have the honor to forward all the plans of the Leestelliat Bridge that I can find in the records.

I regret that owing to the recent changes in your Memo has not been attended to before.

I have the honor to be Sir
Your most obedt Servt
W. M. D. Major, R.E.
Supg. Engineer, 2nd Circle

By Deputy

6. p. N. 567 of 20.2.80
G.O. (P.W.) 14 of 2.1.78
" " 1278 N. " 12.3.78

P.W.D.
40080
From No. 1278
The Superintendant
Second Circle.

1221 N

Dated 1st
Recd } May 1880.
No: 31.
Encls. 6
by Baugh.

Corbillion Bridge: -
Towards 6 p.m.
of the —.

6/5/13. 21.5
Cir 15.5.80. Pet 19.5.80

No 1337. A. P.H. D. 12/9

Memorandum by Chief
Engineer, P.H. Deptt.

The undersigned is of opinion
that the cross girders can be
trusted to bear a distributed
load of 90 lbs per square foot,
and a single concentrated load
at any one point of five thousand
pounds exclusive of the weight
of the roadway.

2. The former load could only
be brought upon the bridge
by the collection of nine
thousand persons upon a single
span, and the latter by the

passage of an elephant, or of a heavy tractor engine or road roller.

3. Provided proper arrangements are made, as can easily be done for guarding against the above contingencies, the undersigned does not consider the provision of additional central girders necessary.

W. Mauley Colonel R.E.
Chief Engineer P.H.D.
D.

Cotacamund
15th May 1880 }

Recd 13th May
P.H.D. and

No 1221 W

1221/10
1376
PUBLIC WORKS DEPARTMENT

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Under date the 21st May/80
Read the following

Endorsement in the Financial Department, No 347, dated 16th February 1880, on Pro. Board of Revenue, Miscellaneous No 1545 of 10th February 1880. Letter from the Supergr. 2nd Div. No 34 of 1st May 80. Memorandum by Chief Engineer, P.H.D. No 1374 dated 15th May 1880.

The Government accept the opinion expressed by the Chief Engineer; ~~it~~ will meet with the Local Lands Board ~~for~~ making the necessary provision for preventing the bridge from being subjected to such

See W. H. Burleigh's
"The Great West"

155

[Handwritten signature]

14. 7. 20

Cir 18.5.80. Ptl 19.5.80 -
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S.E. & Arch!

Mail dep'd ✓ Desk
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 16-8-80

2898-

Gobt. of (1880) Madras.

PUBLIC WORKS.

To

Dated

Issued

Recd.

Encl.

G. O. 21st May 1880, No. 122/18

Nos. 56-57.

Cumbhar Boudh
Thiruvapett Cutch

The responsibility
for enacting the
necessary provision
to prevent the —
from being subjected
to undue distress
in connection with the
L. T. Bonds.

3/3