

25

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18

(2) Date of repair

15/11/88

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Law

TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

PW DEPARTMENT

G.O. No.	3024 (W)	Press.
B.P. No.		Mis.
Dated	9-12-1884	198

Bauman
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Not to be folded or roughly handled.

9TH DECEMBER 1884, No. 3024 W., PUBLIC WORKS.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following papers:—

From Colonel H. L. PRENDERGAST, R.E., Superintending Engineer, V Circle, to the Chief Engineer, Public Works Department, dated Chepāk, 22nd November 1884, No. 3248.

I have the honor to forward a letter, No. 3044, dated the 8th instant, which I drafted before the Cooum river came down in high and continuous floods.

2. I believe the river is known to have reached a higher level after the sudden cyclonic storm in 1877, but I doubt if the bridges have been put to so severe a strain before as in the several days during which the river was in full flood. Now that the water has subsided, and no harm has been done, I can, with confidence, hand to you the report which I withheld on the 8th, the day on which the river was at its highest.

From the same officer, dated Chepāk, 8th November 1884, No. 3044.

With reference to G.O., No. 1760 W., dated 17th July 1884, I have the honor to report that a careful examination has been made by Sub-Engineer Mr. Milne of the river-bed round the piers of the bridges over the Cooum, and there appears to be no cause for apprehension as to the safety of the bridges.

2. Thus the Harris bridge is protected by rough stone thrown above and below the piers and as a flooring between the piers. There is a deep scour from 30 to 40 feet below the right shore arch, but within 10 feet of the bridge and round the piers and abutments there is no scour.

3. St. Andrew's bridge is in a straight reach, and there is no set against the piers and abutments. There is a rough stone flooring in good order. There is no scour near the structure, but 20 to 30 feet below there is a scour of 5 to 6 feet.

4. Law's bridge has 46 feet more water-way than the one above it, viz., St. Andrew's bridge. There is a heavy set against the left abutment and the two nearest piers, but they are protected, as there appears to be a brick retaining wall at the lower end of the piers and a flooring partly of stone and partly of concrete. About 30 feet below the bridge near the left bank there is a considerable scour, but close to the bridge there is none.

ORDER—dated 9th December 1884, No. 3024 W., Public Works.

Recorded.

(True Extract.)

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

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

Exd. C. Howarth.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of (1884) Madras.

PUBLIC WORKS.

Dated December, 9th.

Recd.

Encl.

G.O., 9th Dec. 1884, No. 3024 W.

DECEMBER.

Bridges

Letter from the Superintending Engineer,
V Circle, reporting the safety of — over the
Cooum river after the recent high and
continuous floods, recorded.

19TH MARCH 1883, No. 897 W., PUBLIC WORKS.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

No. 145.

READ—the following papers :—

G.O., dated 13th March 1883, No. 567, Financial.

From A. T. ARUNDEL, Esq., President, Municipal Commission, to the Chief
Secretary to Government, dated Madras, 7th March 1883, No. 290.

With reference to G.O., No. 563 W., Public Works, dated 21st February, I have
the honor to state that no Municipal funds are available for improving the trough and
banks of the Cooum river, nor is there any prospect of such funds until the Municipal
revenue is increased by law.

2. I beg leave to forward a copy of a letter from the Vice-President, Mr. Jones,
on the subject of the improvement of the Cooum. An accurate survey of the river
throughout the city seems essential to a complete scheme for its improvement. Mr.
Jones would undertake the work if provided with funds, but the Government, if they
approve the suggestion, may be able to depute an officer of their own for the duty.

ENCLOSURE.

From J. A. JONES, Esq., Vice-President, Municipal Commission, to the President, Municipal
Commission, dated Madras, 6th March 1883.

With reference to G.O., of 21st February 1883, No. 563 W., I beg to remark that there is
little doubt but that great improvements might be effected in the Cooum throughout its whole
length within Municipal limits.

The cross sections of the river at the various points along its route show great diversity in
form, and while embankment along the top of existing banks would prove mischievous, embank-
ments at several places in the bed and with the same top level as existing banks might be
productive of much good. The first work, however, to be undertaken is a proper survey of the
river, and as far as I am aware none exists at present. This should include cross sections
throughout the length of the survey and should show the area of waterway of the various
bridges, &c.

I would be glad to undertake the work, and should propose a scale of 100 feet to the inch as
a suitable scale for the plans and sections, and if Government consider that the work is of
sufficient importance to warrant the expenditure, I beg that a grant of Rs. 600 may be placed at
my disposal for the purpose. I think that the work could be finished within six months.

I may add that so long ago as 1877 I made proposals for the improvement of the Cooum,
which were partially approved of and only very partially carried out. The improvements which
I suggested are embodied in G.O., of 2nd July 1877, No. 1311.

No. 145-A.

Order—dated 13th March 1883, No. 567, Financial.

Transferred to the Department of Public Works.

(By Order.)

(Signed)

E. S. LAFFAN,
Acting Under Secretary.

No. 146.

ORDER—dated 19th March 1883, No. 897 W., Public Works.

A grant of Rs. 600 is made from the Provincial Reserve for the proposed survey of the Cocum river. The money will be placed at the disposal of the Municipality by the Executive Engineer, Presidency Division.

2. On receipt of the survey and sections, the Government will consider the further steps to be taken.

(True Extract.)

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

To the Superintending Engineer, Fifth Circle.

- „ President, Madras Municipal Commission.
- „ Surgeon-General with the Government of Madras.
- „ Examiner, Public Works Accounts.
- „ Public Department.

Exd. C. Howarth.
Spars Copies

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BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of 1883 Madras.

PUBLIC WORKS.

Dated March, 19th.

Recd.

Encl.

G.O., 19th March 1883, No. 897 W.

MARCH.
Nos. 145-146.

Cooum River

Funds for a survey of the — granted from
the Provincial Reserve.

17TH JULY 1884, No. 1760 W., PUBLIC WORKS.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following letter from A. T. ARUNDEL, Esq., President, Municipal Commission, to the Secretary to Government, Public Works Department, dated Madras, 8th July 1884, No. 779.

By G.O., No. 897 W., dated 19th March 1883, a sum of Rs. 600 was placed at the disposal of the municipality for making a survey of the Cooum river with a scheme for improving it. The work is nearly done, but meanwhile I have the honor to forward a copy of a letter and enclosure from the Vice-President showing that the scour at Harris' bridge, St. Andrew's bridge and Colonel Law's bridge has been so great as apparently to endanger the safety of some of the piers, and that speedy protective measures are necessary.

ENCLOSURE.

From J. A. JONES, Esq., Vice-President, Municipal Commission, to the President, Municipal Commission, dated Madras, 7th July 1884.

With reference to G.O., No. 897 W., dated 19th March 1883, I have the honor to inform you that the survey of the river Cooum within municipal limits is now nearing completion, and that I trust shortly to be able to submit a report on the matter with suggestion for the proper tracing of the river.

The present state of the river has caused the scour at some of the bridges to be very great as the following cross sections at three of the bridges demonstrate.

The scour at other bridges is not extensive but at the three shown in the accompanying cross sections it appears to me to be so great as to render some immediate action advisable; and I, therefore, think the attention of Government ought to be drawn to the matter without delay.

These bridges are under the charge of the Public Works Department divisional officers, and as the action to be taken will probably devolve on them, I have the honor to request that any permanent works for prevention of scour may be considered in connection with the whole scheme for improvement of the river.

ORDER—dated 17th July 1884, No. 1760 W., Public Works.

Communicated to the Superintending Engineer, V Circle, who will take immediate steps for insuring the safety of the three bridges.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, V Circle, with tracing.
" Financial Department.

Exd. E. Fernandez.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of (1884) Madras.

PUBLIC WORKS.

Dated July, 17th.

Recd.

Encl.

G.O., 17th July 1884, No. 1760 W.

JULY.

Bridges

The Superintending Engineer, V Circle,
asked to take immediate steps for protecting
from scour some of the — over the Cooum
river.

No. 3248

SUPERINTENDING ENGINEER'S OFFICE,

5TH CIRCLE, MADRAS.

Chepauk, 22nd November 1884.

From

THE SUPERINTENDING ENGINEER,

5TH CIRCLE,

To

THE

Chief Engineer
D.P.W.

SIR,

Enclosures.

I have the honor to forward
— ward — a letter No. 3044
dated the 8th Instant, which
I drafted before the Cooum
river came down in high
and continuous floods.

I believe the river is known
to have reached a higher
level after the sudden cyclonic
storm in 1877: but I
doubt if the bridges have
been put to so severe a strain
before, as in the several
days during which the
river

River was in full flood
Now that the water has
subsided, and no harm
has been done, I can with
confidence hand to you
the report, which I withheld
on the 8th, the day on which the
River was at its highest.

I have the honor to be
Sir
Your most Obedient Servant
H. S. Sandercock Esq. R. E.
Superintending Engineer
5th Circle.

No. 3044.

SUPERINTENDING ENGINEER'S OFFICE,

5TH CIRCLE, MADRAS,

Chepauk, 8th Novemb 1884.

From

THE SUPERINTENDING ENGINEER,

5TH CIRCLE,

To

THE

Chief Engineer
P. P. Dept.

SIR,

Enclosures.

With reference to G.O. No. 1760
dated 17th July 1884, I have the honor
to report, that a careful examina-
-tion has been made by Sub Engi-
-neers Mr. Milne of the river bed
round the piers of the Bridges
over the Cooum, and there ap-
-pears to be no cause for ap-
-prehension as to the safety of
the Bridges.

2. Thus the Harris Bridge
is protected by rough stone
thrown above & below the piers,
and a flooring between
the

the piers. There is a deep scour from 30 to 40 feet, below the right shore arch, but within 10 feet of the bridge and round the piers and abutments there is no scour.

St. Andrews Bridge is in a straight reach and there is no set against the piers and abutments. There is a rough stone flooring in good order. There is no scour near the structure, but 20 to 30 feet below, there is a scour of 5 to 6 feet.

New Bridge has 46 feet more water-way than the one above it. viz. St. Andrews Bridge. There is a heavy set against the left abutment, and the two nearest piers, but they are protected, — as there appears to be a brick

brick retaining wall at the lower end of the piers, and a flooring partly of stone and partly of concrete. About 30 feet below the bridge near the left bank there is a considerable scour but close to the bridge there is none

2024.
I have the honor to be
Sir
Yr most obedt Servt
Wm Sanderford J. R. E.
Superintendent
S. Circle.

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From

THE SUPERINTENDING ENGINEER,
5TH CIRCLE,

To

THE

Dated

Recd.

188 .

ENCLOSURES.

No.

2024.

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The Hon H.E. Sullivan

151 Route 16



A. No. 3024-11 a/g 9 December 14
Civ

Recorded.

Ch.

25-11-94

W.
2-12-94

No. 897 Wd/19.3.83

"1760 Wd/17.7.84

J-314

S.E. V. Greble

Financial Dept
Circ. 2/12/84

From

THE SUPERINTENDING ENGINEER,

5TH CIRCL,

To

THE Chief Engineer
P.W.D.

Dated

22

Recd.

November 1884

ENCLOSURES. /

No. 3248

Bridges - Forwards
a report regarding the
on the Coocum River.

With order

3024

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4003

Govt. of (1884) Madras.

PUBLIC WORKS.

(8)

11/17/84

Dated

Recd.

Encl.

G.O. of Secy. 1884, No. 2524

Bridges

Letter from the Sd.
It will reporting the
safety of ^{power} ~~the~~
Coomin river after
the recent high
continuous floods
subsided.

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4003

11/12/84