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(2) Date of repair 28. 10. 86  
(3) Initials of the Referencer long ✓

# TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

P. W DEPARTMENT

|          |            |        |
|----------|------------|--------|
| G.O. No. | 1098-W     | Press. |
| B.P. No. |            | Mis.   |
| Dated    | 8. 4. 1879 | 197.   |

*Not to be folded or roughly handled*

*Ant*

1098  
1

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

8th April 1879, No. 1,098 W.

Buildings and Roads.

Civil Works.

Read the following paper:—

No. 102. Endorsement of the Superintending Engineer, Fourth Circle, dated Coimbatore, 1st April 1879, No. 929/222.

From Captain A. AWDRY, R.E., Executive Engineer, Coimbatore Division, to the Superintending Engineer, Fourth Circle, dated Coimbatore, 1st March 1879, No. 733/75.

I HAVE the honor to forward an estimate for repairing the Kullar bridge.

2. The south abutment was last year under-pinned with cement concrete for a depth of  $5\frac{1}{2}$  to 6 feet and 7 feet wide. This was faced with cutstone; but I regret to say that this under-pinning has in great part been carried away by the enormous rush of the water, and two large masses of the concrete weighing several tons each are lying at a considerable distance below the bridge.

3. That the workmanship and material were good is, I think, shown by the way in which the mass has held together though washed out of its place. It probably requires retaining walls to stop the scour.

4. I fear that unless it is attended to now that the river is becoming fairly dry the south abutment will be washed away in the south-west monsoon, and the traffic to the Nilgiris will be very seriously obstructed and altogether stopped for intervals.

5. The case is not an easy one to deal with, as the fall of the river is so rapid that its bed is composed of very large boulders which roll down with enormous force when a heavy shower falls, and which in consequence will damage any work in progress, while the percolation through the boulders renders building rather difficult as the water is with great difficulty kept out even with a heavy expense in baling.

6. The centre and northern bays of the bridge are not so much affected by every fresh as the south bay is, as the river makes a set against its southern bank just above the bridge and scours out its bed under the southern bay.

7. It will be necessary besides repairing the actual damage done to reconstruct an old, but now ruined, groyne on the left (south) bank of the river about 250 feet above the bridge, and to provide suitable retaining walls across the south bay to stop scour.

8. The estimate which I have the honor to send herewith provides for what appears to me to be necessary; but the question as to the best means to be adopted is a difficult one, for it will be no easy matter to get 8 feet of the boulders out and to keep the water down sufficiently to build the retaining walls and to underpin the foundations.

9. If I am informed at an early date that the work may be put in hand immediately after the 1st April, all arrangements having been made before-hand, there may be time (if there is the good fortune not to be early heavy rain in the water-shed of the river) for it to be finished before the south-west monsoon comes on. It will

take, however, six weeks or two months to do and every shower will seriously hinder and damage it.

SUBMITTED to the Chief Engineer, Public Works Department, for early sanction and provision of funds. As the repair is of an emergent nature I have authorised the Coimbatore Division Officer to proceed with the work. The division officer's estimate amounted to Rupees 3,500 which I reduced to Rupees 1,950, and have given him the necessary instructions to carry out the work in anticipation of sanction to the reduced estimate.

(Signed) P. MONTGOMERIE, Major, R.E.,  
Supg. Engr., Fourth Circle.

No. 103. ORDER THEREON, 8th April 1879, No. 1,098 W.

UNDER the circumstances explained the Superintending Engineer's action is approved, and the estimate of Rs. 1,950 for repairing the Kullar bridge sanctioned.

2. With a view to decide as to the necessity or otherwise of providing funds for the work from Provincial,\* the Financial Department will be requested to state whether the assets of the Coimbatore Circle during 1879-80 will allow of the expenditure being met from Local Funds.

3. This sanction has been registered as Provincial No. 3 B. of 1879-80.

(True Extract.)

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

To the Superintending Engineer, Fourth Circle.  
" Examiner of Public Works Accounts.  
" Financial Department.

Ed. E. C. Shunker.  
Spare Copies

1098  
2

BUILDINGS AND ROADS.  
CIVIL WORKS.  
Govt. of 1879 Madras.  
PUBLIC WORKS.

To  
The SUPERINTENDING ENGINEER,  
FOURTH CIRCLE.  
&c. &c. &c.

Dated April 8th.

Issued

Recd.

Encl.

G. O., 8th April 1879, No. 1,598 W.

APRIL  
Nos. 102-103.

Kuller Bridge, Coimbatore District.—  
Estimate of Rupees 1,950 for repairing the  
— sanctioned with remarks in regard to the  
provision of funds for the work.

No. 733  
75

Executive Engineer's Office  
Coimbatore 12th March 1879

From

1098  
3  
The Executive Engineer,  
Coimbatore Division.

To

the Superintending Engineer, 4th Circle,  
Coimbatore.

Sir,

I have the honor to forward an  
estimate for repairing the Kuller Bridge.

2 The South abutment was last year underpinned  
with cement concrete for a depth of  $5\frac{1}{2}$  to 6 feet  
and 7 feet wide. This was faced with cutstone,  
but I regret to say that this underpinning has  
in great part been carried away by the enormous  
rush of the water, and two large masses of the  
concrete weighing several tons each are lying  
at a considerable distance below the bridge.

3 That the workmanship and material were  
good is, I think, shown by the way in which  
the mass has held together though washed out  
of its place. It probably requires retaining—  
walls to stop the scour.

4 I fear that unless it is attended to now  
that the river is becoming fairly dry the South  
abutment will be washed away in the South  
West monsoon and the traffic to the Nilgiris  
will

will be very seriously obstructed and altogether stopped for intervals.

5. The case is not an easy one to deal with as the fall of the River is so rapid that its bed is composed of very large boulders which roll down with enormous force when a heavy shower falls, and which in consequence will damage any work in progress, while the percolation through the boulders renders building rather difficult as the water is with great difficulty kept out even with a heavy expense in baling.

6. The centre and Northern bays of the bridge are not so much affected by every fresh as the South bay is as the river makes a set against its Southern bank just above the bridge and scours out its bed under the Southern bay.

7. It will be necessary besides repairing the actual damage done - to reconstruct an old but now ruined Groyne on the left (South) bank of the River about 250 feet above the bridge and to provide suitable retaining walls across the South bay to stop scour.

8. The Estimate which I have the honor to send herewith provides for what appears to me to be necessary but the question as to the best means to be adopted is a difficult one for it will be no easy matter to get 8 feet of the boulders out and to keep the water down sufficiently to build the retaining walls and to underpin the foundations.

9. If I am informed at an early date that the work may be put in hand immediately

after the 1<sup>st</sup> April all arrangements having been made before hand there may be time if there is the good fortune not to be early heavy rain in the water shed of the river for it to be finished before the South West monsoon comes on. It will take however six weeks or two months to do and every shower will seriously hinder and damage it.

I have the honor to be  
Sir

Your most Obedt. Servant

(Signed) A. Audry Captain R.E.  
Executive Engineer.

No. 929 / True Copy /  
222

Submitted to the Chief Engineer P.W. Department for early sanction and provision of funds. As the repair is of an urgent nature I have authorized the Coimbatore Division Officer to proceed with the work. The Division Officer's Estimate amounted to Rs 3,500 which I reduced to Rs 1,950 and have given him the necessary instructions to carry out the work in anticipation of sanction to the reduced Estimate.

W. J. J. J.

Majr R.E.

Sap. g. Engineer, Coimbatore.

Sap. g. Engr's Office, Coimbatore.  
1<sup>st</sup> April 1879

From  
The Superintending Engg  
1<sup>st</sup> Circle

To The Chief Engineer  
P.W.D.  
Madras

No. 929  
222

Dated 1st 2 April 1879  
Received 3

48135 2/14-5-75 hrs.

Enclosure 1.

Sur. of 8-4-79 No. 1098 W

Kullar Bridge on  
the road from Metto  
pollim to Kullar.

Submitting for sanction  
and provision of funds  
an Estimate of Rs 1950  
for repairing the—

Cir 2-4-79

N<sup>o</sup> 1098 W Public Works Department.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Under date the

8<sup>th</sup> April 79

Read the following:—

From,  
The Super Engineer  
South Circle

(H.E. No. 929  
222 21 April 79)

Under the circum-  
stances explained, the  
Super Engineer's action  
is approved, and the  
estimate of Rs 1950  
for repairing the Kullar  
bridge, sanctioned.  
2. With a view to  
decide as to the  
necessity or otherwise  
of providing funds  
for the work from  
Provincial, the Linc<sup>l</sup>

Under  
Financial Proceedings  
No. 973, dated  
1<sup>st</sup> May 75

Depart<sup>o</sup>

Department will be  
 requested to <sup>state</sup> report,  
 whether the assets of the  
 Esimbatore Circle during  
 1877-80, will allow of the  
 expenditure being met  
 from Local funds.

D.

3-4-79

This connection has  
 been registered as Provincial  
 no. 3 B of 1879-80.

W.D.  
 3-4

St. Lawrence Circle 7  
 Essex P. R. Accts. 7  
 Finl. Dep't 7  
 17

no 3-4-79

Despd 18/4/79

Wm W. Huddleston

part and  
 8/4

It should be noted that  
 the Esimbatore Circle is not  
 included in the  
 8/4

Esimbatore  
 Esimbatore Dept  
 8/4

1098  
 6

2834

Govt. of (1879) Madras.

PUBLIC WORKS.

To

Dated

Is

Recd.

Encl.

G. O., 8<sup>th</sup> April 1879, No. 10984

Nos. 102-103

Thullar Bridge

Coimbatore Dist.

Estimate of Rs. 1950  
for repairing the —  
sanctions of with remarks  
in regard to the pro-  
vision of funds for  
the work.