

(1) Number of pages 14
 (2) Date of repair _____
 (3) Initials of the Referencer _____

MADRAS RECORD OFFICE.

Government of Madras.

Public Works

DEPARTMENT.

G.O. No.

576

Press
Mis.

Dated

13. 8

1877.

Not to be folded or roughly handled

GOVERNMENT OF MADRAS.
PUBLIC WORKS DEPARTMENT.

13th August 1877, No. 576 W.

Buildings and Roads.

Civil Works.

Read the following paper:—

No. 119. Proceedings of the Madras Government in the Financial Department, dated 8th August 1877, No. 2,082.

From Captain J. L. L. MORANT, R.E., District Engineer, Nilgiris, to the Chief Engineer for Buildings and Roads, dated Ootacamund, 16th July 1877, No. 271.

I HAVE the honor to submit a plan and estimate for restoring the wood-work of the trussed timber bridge at Tippucadoo on the road *via* the Seegoor Ghaut between Ootacamund and the Mysore Frontier.

2. The ends of the two tie-beams which were built into the masonry abutments have completely rotted, as also the foot-joints of all the wooden struts and ties; nearly all the flooring joints and planks have also considerably suffered. The whole bridge is unsafe, and is now leaning over at a considerable angle. Traffic over the bridge has been stopped for the past three months.

3. I have estimated for restoring the bridge with an allowance for reusing such of the timber as is sound and all the iron-work. An exactly similar bridge on the Coonoor Ghaut required strengthening some three years ago. I have taken this opportunity to provide a similar strengthening of the Tippucadoo Bridge; this is shown by color. It has proved quite successful in the case of the Coonoor Bridge.

4. As this bridge is on one of the trunk lines of communication along which all the teak timber used in this district is carted, I have taken on myself to begin the restoration in anticipation of sanction. The bridge is situated in a place which is difficult of access and feverish; just now is the most healthy time of year. This healthy period does not last long. If the bridge be not now restored, it will be almost impossible to restore it afterwards, and the timber supply from the Mudamullay Forest will fail, hindering and retarding, if not altogether stopping, the continuation of the Norwood Government House in October.

5. I regret having been unable to submit this plan and estimate sooner.

6. I forward this plan and estimate to you, as the Local Fund Board have this year no funds at their disposal.

No. 1,990.

TRANSFERRED to the Financial Department. The road on which the bridge is situated, though the main line of communication between Ootacamund and Mysore, is under the Local Fund Board. It is remarked that the work is one that requires immediate attention.

JOSEPH ST. GEORGE,
18th July 1877.

(Signed) E. A. FOORD, Colonel, R.E.,
Secretary to Government, P.W.D.

note prices for struts

THE District Engineer will be directed to proceed with the work with the utmost despatch pending the provision of funds.

2. It will be considered in the Public Works Department whether any other Budget work can be postponed in order to provide funds for this emergent work which has been too long delayed already.

3. Government observe that the Nilgiri Local Fund Board have no means to undertake the work.

(True Extract.)

(Signed)

D. F. CARMICHAEL,
Chief Secretary.

To the Public Works Department, with plan and estimate.

No. 120.

ORDER THEREON, 13th August 1877, No. 576 W.

* Rupees 5,300.

Heads of Service.—Provincial.

Fund.—Ordinary.

Class.—Original Works.

Main-head.—(2), Communications.

Sub-head.—1, Main Roads.

Work.—Restoring Tippucadoo bridge.

Amount.—Rupees 5,300.

To be carried out by the Public Works Department.

THE estimate* is sanctioned for immediate execution. There being no funds available with Government for the work, money must be provided by transfer.

2. It has been ascertained that, up to the end of May, no outlay has been recorded against the following works:—

Budget Item, No. 5.—Providing a rear verandah with rooms and railed enclosure to the Press-room and Treasury Office for the Collector's Cutcherry at Salem.

Budget Item, No. 17.—Sea Custom-house godown at Cocanada.

Budget Item, No. 31.—Two additional Wards for males and females at the Lunatic Asylum at Calicut.

3. The District Engineers concerned will report what arrangements have been made for utilizing the appropriations, suspending further action in connection with the works meanwhile.

4. The sanction herein accorded has been registered as Provincial No. 134 B of 1877-78.

(True Extract.)

Colonel, R.E.,
Secretary to Government, P.W.D.

To the District Engineers, Nilgiris, Salem, Godavery and Malabar.
" Examiner of Public Works Accounts.
" Financial Department.

Exd. E. C. Shunkor.

Spare Copies

*then - you know better than
me do the relative urgency
of the several works, and an
therefore in a better position
to suggest which item or items
shall be reduced.*

*Up to date there has been no
outlay against item No. 2. (Rs. 1500)
perhaps you could find some money
there*

1 - noting prices for stumps

GOVT.
OF MADRAS.

1877.

P.W.
DEPT.

SECRETARY.

Madras 8th Aug 1877.

OFFICE NOTE.

To

C.
Please state if
any expenditure has
been incurred on the
following works en-
tered in the Pro-
vincial Budget of
1877/78

Item No 1. — 376

No 5. —

No 17. —

No 21. — 765

No 31. —

No 34. — 1115

No 5300 are urgently
wanted. Can you
suggest any transfers
from the above items?

W.H.

8.8.77

8.8.77

Shanthi
11/11. right ink against each

— Detailed Estimate No. of 1877-78 —

— Nilgiri District —

work Cost of reconstructing and strengthening the
Lumber Traped Platform Bridge at Lipporeddo —

Measurements
L B & Contents

Particulars

850 cft of Brick in Chumam

5 square of Chumam Plastering

2	90-0	1-0	1-0	180-0-0	Longitudinal Beams
2	14-0	1-0	1-0	28-0-0	Centre upright
4	16-9	1-0	1-0	67-0-0	Side uprights
4	7-9	1-0	1-0	31-0-0	
2	22-0	1-0	1-0	44-0-0	Horizontal & connecting bars at top
4	15-0	0-5	0-8	16-3-0	Stubs
4	30-3	1-0	0-10 1/2	105-10-6	
4	15-9	0-5	0-6	13-1-4	
8	16-0	0-4	0-7	24-10-8	cross ties
4	12-6	0-4 1/2	0-5	7-9-9	stubs
2	16-0	1-0	0-9	24-0-0	wall plate
4	26-0	0-4	0-6	17-4-0	Large joists
28	14-6	0-4	0-6	67-8-0	Small joists
4	12-6	0-4	1-0	16-8-0	Straining pieces between Longitudinal Beams under large joists
8	1-0	0-4	0-9	2-0-0	cleats to large joists
2	1-9	1-6	0-6	2-7-6	roosting pieces for stumps

9-0-0-5-0-6 3-9-0 centre stunts
 4 9-0-0-3-0-6 4-6-0 side stunts
 4 6-9-0-8-0-8 12-0-0 End posts & railings
 4 7-0-0-8-0-8 12-5-4 stunts to
 4 80-0-0-4-0-4 35-6-8 Railings
 8 10-6-0-4-0-6 14-0-0 side boards to planking of roadway
 4 12-3-0-4-0-6 8-2-0

1 71-0-13-4-0-2 157-9-4 planking roadway
 896-10-1 Total cft. of teakwood wrought & put up

63 Squares of tanning the whole woodwork

130 lbs of flat bar iron 2" x 3/8" thick for straps

802 lbs of flat bar iron 4" x 1/2" thick for struts

70 lbs of round bar iron 1/2 inch diam. for bolts &c

4 3-0-1-6-0-9 cut stone wall plates

1 90-0-13-4-0-3 300-0 metalling over roadway of bridge

300-0 Total cft. of metalling
 11 1/2 C. yards of

Carrage of materials to site

Dismantling the old bridge

— Abstract Estimate No. 117-28 —

— Nilgiri District —

work Cost of reconstructing and strengthening the
 timber Surfed Platform Bridge at Lippocaddo-

Particulars	Rate Per	Amount	Total
850 cft. of brick in chumam	40	100 cft.	340
5 squares of chumam Plastering	10	sq. ft.	50
4 cut stone wall plates to beams 3'-0" x 1'-6" x 0'-9"	12	each	48
897 cft. of teakwood wrought and put up	5	cft.	4485
63 squares of tanning the woodwork	2	sq. ft.	126
130 lbs of flat bar iron 2" x 3/8" thick for straps	5	lb.	40
802 lbs of flat bar iron 4" x 1/2" thick for straps to straining beams under large joints	5	lb.	250
70 lbs of round bar iron 1/2 inch diam. for bolts &c	5	lb.	21
4 C. yds. of metalling to roadway over bridge	24	C. yds.	22
Carrage of materials to site			100
Scaffolding &c			200
Dismantling old bridge			100

Total 5779 14

Sundries 5702

Total 6350

deduct value of materials that can be utilized from the old bridge 1050
 Total Estimate Rupees 5300

The bridge to be restored in the same style as before with the introduction of struts and straining pieces between beams under large joists as shown on plan (colored) to strengthen the structure. The bridge consists of two longitudinal beams, with uprights and large side struts connecting bar on tie at top and cross ties between uprights and joists &c. The longitudinal beams to rest on stone and teakwood wall plates. All sound timber and iron work of old bridge to be utilized as much as possible for the new bridge, for which a reduction is made in the estimate.

J. L. L. Morant

Captain R. C.
District Engineer

District Engineer's Office
Ootacamund
15th July 1877

GOVERNMENT OF MADRAS.

FINANCIAL DEPARTMENT.

8th August 1877, No. 2082.

Local Funds—Roads.

Read the following paper:—

No. 73. From Captain J. L. L. MORANT, R.E., District Engineer, Nilgiris, to the Chief Engineer for Roads and Buildings, dated Ootacamund, 16th July 1877, No. 271.

I have the honor to submit a plan and estimate for restoring the wood-work of the trussed timber bridge at Tippiacadoo on the road *via* the Seegoor Ghaut between Ootacamund and the Mysore Frontier.

2. The ends of the two tie-beams which were built into the masonry abutments have completely rotted, as also the foot-joints of all the wooden struts and ties; nearly all the flooring joints and planks have also considerably suffered. The whole bridge is unsafe, and is now leaning over at a considerable angle. Traffic over the bridge has been stopped for the past three months.

3. I have estimated for restoring the bridge with an allowance for reusing such of the timber as is sound and all the iron-work. An exactly similar bridge on the Coonoor Ghaut required strengthening some three years ago. I have taken this opportunity to provide a similar strengthening of the 'Tippocadoo' Bridge; this is shown by color. It has proved quite successful in the case of the Coonoor Bridge.

4. As this bridge is on one of the trunk lines of communication along which all the teak timber used in this district is carted, I have taken on myself to begin the restoration in anticipation of sanction. The bridge is situated in a place which is difficult of access and feverish. Just now is the most healthy time of year. This healthy period does not last long. If the bridge be not now restored, it will be almost impossible to restore it afterwards, and the timber supply from the Mudamullay Forest will fail, hindering and retarding, if not altogether stopping, the continuation of the Norwood Government House in October.

5. I regret having been unable to submit this plan and estimate sooner.

6. I forward this plan and estimate to you, as the Local Fund Board have this year no funds at their disposal.

No. 1990.

Transferred to the Financial Department. The road on which the bridge is situated, though the main line of communication between Ootacamund and Mysore, is under the Local Fund Board. It is remarked that the work is one that requires immediate attention.

FORT. ST. GEORGE,
18th July 1877.

(Signed) E. A. FOORD, Colonel, R.E.,
Secretary to Government, P.W.D.

with Plan & Estimate.

L. J. L. 2082/77

No. 74. ORDER THEREON, 8th August 1877, No. 2082.

The District Engineer will be directed to proceed with the work with the utmost despatch pending the provision of funds.

2. It will be considered in the Public Works Department whether any other budget work can be postponed in order to provide funds for this emergent work which has been too long delayed already.

3. Government observe that the Nilgiri Local Fund Board have no means to undertake the work.

(True Extract.)

D. F. CARMICHAEL,
Chief Secretary.

To the Public Works Department, with plan and estimate.
" Board of Revenue.

Financial Department.

BP

PROCEEDINGS of the MADRAS GOVERNMENT.

READ the following letter from

the District Engineer, Nilgiris, No. 271 dated 15 July 1877 this Public Works Dept. with P.M.D. docket No. 1990 dated 18 July 1877.

Order thereon 8 August 1877 No. 2082

The District Engineer will be directed to proceed with the work with the utmost despatch pending the provision of funds.

2. It will be considered in the Public Works Department whether any other budget work can be postponed in order to provide funds for this emergent work which has been too long delayed already.

3. Government observe that the Nilgiri Local Fund Board have no means to undertake the work. (True Extract)

H. B. Piff
As Under Secretary
to Govt. in charge.

To the Public Works Department -
with plan & estimate.

Public Works Department
 A. M. S. 2

No. 570 W Public Works Department.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Under date the 13th Aug^r 1877

Read the following:—

Memorandum in the Department } (N. 2032 of 8th August 1877)

+ Rs 5300

The estimate is sanctioned for immediate execution. There being no funds available with Government for the work money must be provided by transfer. It has been ascertained that up to the end of May no entry has been recorded against the following works.

Budget

Proc Budget for 1877/8.
 Memo: No 1990 of 18-7-77

Count of 187 : Madras.

Nos.	}	187, No.	Dated Recd.	7.

By 13th August 1877

Cin 11-8-77. P. 10-8-77.

541 9:11-8-77, 213.8.77

Chapman

Obt. of 1877 Madras
PUBLIC WORKS.

To *The N. B. Kelgins*

Dated

Issued

Recd.

Encl.

G. O. 13th August 1877. No. 574W

No. 119-120

*Tippacadoo Bridge.
Adyini & Lanchin
for immediate execution
the estimate of Rs 5300
restoring*

Cont no 119

11-8-77