

(1) பக்கங்களின் எண்ணிக்கை

26

(2) புதுக்கித் திருப்பிய நாள்

6/88

(3) ஆதாரங்குறிப்பவர் சுருக்கொப்பம்

10/88

தமிழ்நாடு ஆவணக் காப்பகம்.

தமிழ்நாடு அரசு

பெறுபெற்றது துறை

அரசாணை எண்.
மு. கோப்புத் தாள் எண்.

1850 W

அச்சகம்
பலவகை

நாள் :

21. 6. 1888

-198-

மடிக்கவோ கண்டபடி கையாளவோ கூடாது

ஆவண. கா-1-18,000-15-6-87.

அ. சி. சிதம்பரம்

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following papers:—

G.O., dated 30th May 1888, Mis. No. 996 L.

Read—the following letter from the President, District Board, South Canara, to the Chief Secretary to Government, dated 3rd May 1888, No. 693:—

I have the honor to submit, for the sanction of Government, a revised estimate, amounting to Rs. 10,160, for constructing a bridge of 30 feet span across the Todar stream in the 8th furlong of 18th mile on road No. 5, together with copies of resolutions of the district board sanctioning the revised estimate subject to approval.

2. The original estimate, amounting to Rs. 9,000, was sanctioned in G.O., dated 25th September 1885, No. 2241 W., Public Works. This estimate had, however, to be revised agreeably to the Superintending Engineer's note, printed in the G.O. quoted above, and, after revision, amounted to Rs. 10,000, and was forwarded to the Superintending Engineer for approval in August 1886. That officer, in checking the same again, reduced it to Rs. 9,263 and returned it with the remark that there was no necessity for submitting it for sanction of Government, the excess being less than 5 per cent. on the sanctioned estimate.

3. The present Local Fund Engineer, in forwarding the revised estimate now submitted, stated that the rate allowed for arch-work in the original estimate was for burnt stone, which was not sufficiently strong for the work, and said that for quarried stone, which was necessary, a higher rate must be allowed. The board approved of an increase of 12 annas a cubic foot on this representation, but disallowed the estimate for guard stones which he also submitted.

4. The allotment* from Provincial funds for the work is Rs. 10,000; there will, therefore, be a deficiency of Rs. 160, which I request may be allotted from Provincial funds.

* G.O. No. 1068, L.F., Mis., dated 1st September 1886.

Order—dated 30th May 1888, Mis. No. 996 L.

The revised estimate will be forwarded to the Public Works Department for scrutiny and sanction, on receipt of which the additional grant of Rs. 160 applied for from Provincial funds will be allotted.

(True Extract.)

(Signed) W. L. C. BADDELEY, Captain, R.E.,
Under-Secy. to Govt., P.W.D.,
for Chief Secretary.

No. 2150 C.

Forwarded to the Superintending Engineer, IV Circle, for countersignature to the estimate, if approved. Return requested.

(By Order.)

(Signed) W. L. C. BADDELEY, Captain, R.E.,
Under-Secy. to Govt., P.W.D.

From J. W. MARTIN, Esq., Executive Engineer, in charge IV Circle, to the Chief Engineer, Public Works Department, dated Coimbatore, 9th June 1888, No. 229 E.W.

Adverting to your No. 2150 C., of 8th instant, I have the honor to return, duly approved and countersigned, the revised estimate, amounting to Rs. 10,160, and comparative statement, for constructing a bridge of 30 feet span across the new cut for Tadar stream in the 8th furlong of the 18th mile on road No. 5 from Mangalore to Mysore, *via* Agoomby ghât.

2. Your memorandum under reference and the G.O. No. 996 L. (Mis.), dated 30th May 1888, are herewith forwarded.

Order—dated 21st June 1888, No. 1850 W., Public Works.

The revised estimate, amounting to Rs. 10,160, for constructing a bridge across the Tadar stream on the road from Mangalore to Mysore, is sanctioned in supersession of the estimate of Rs. 9,000 sanctioned in G.O. No. 2241 W., dated 25th September 1885.

2. This sanction has been registered as Local No. 7 W. of 1888-89.

(True Extract.)

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

To the Local and Municipal Department, with two enclosures.
" Superintending Engineer, IV Circle.

Ed. F. R. Bantleman.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of (1888) Madras.
PUBLIC WORKS.

Dated June, 21st.

Recd.

Encl.

G.O., 21st June 1888, No. 1850 W.

JUNE.

Bridge across the Todar Stream

Revised estimate for constructing a —, on
the road from Mangalore to Mysore, sanc-
tioned.

8
1850
25TH SEPTEMBER 1885, No. 2241 W., PUBLIC WORKS.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following papers:—

NOTE by the Superintending Engineer, IV Circle, on the estimate of Rs. 9,000 for a masonry bridge of 30 feet span across the Todar stream, on the road from Mangalore to Mysore *via* the Agoomba ghât, to take the place of an old masonry bridge that was so damaged by the floods of 1883-84 that it had to be abandoned.

The old bridge is stated to have consisted of one bay of 27 feet, with abutments 8 feet high and rise of arch 9 feet. The new bridge is to be placed in a new straight channel constructed specially for it, and I gather that it is to be similar in design to the old one, except in the following particulars:—

- I. The waterway is to be 30 feet instead of 27 feet;
- II. The archwork is to be of chiselled granite instead of laterite; and
- III. The arch is to be 3 centre instead of segmental.

2. As the old bridge stood about 63 years, it may be assumed that the waterway now proposed will be ample. The old bridge appears to have been damaged by a (probably long continued) set of the current against one of the upper wings, producing a scour at its base, and in the course of years gradually laying bare the foundations and undermining them. Most probably if the danger due to the scour had been noticed, and the face of the wing protected by an apron of rough-stone, the old bridge would have been standing still. All such works should be periodically inspected and necessary protective measures taken.

3. The increase of span is of course an improvement, and so is the substitution of granite for laterite in the archwork, but the alteration in the form of arch, as shown in the plan marked, No. ⁸⁷⁷/₅₅, is not, in my opinion, altogether judicious; and I have overleaf given the sections I would recommend. The thickness of the arch should be at least half as much again at the springing as at the crown, and the back of the abutment should be carried up to one-third of the rise of the arch above the springing line. It will also be best to spread the foundations more as shown in my sections.

4. As these alterations will probably not very greatly alter the cost of the work, I have countersigned the plan and estimate. But, if necessary, a revised estimate should be prepared, as I am decidedly of opinion that the sections of arch, backing, and wings, proposed in the original estimate, would not be safe.

18th August 1885.

(Signed) J. BEATTY, Colonel, R.E.,
Superintending Engineer, IV Circle.

From J. STURROCK, Esq., President, District Board, South Canara, to the Chief Secretary to Government, Financial Department (through the Superintending Engineer, * Cannanore), dated Mangalore, 25th July 1885, No. 345.

* No. 341 W.—Forwarded with a note of the alterations suggested by the Superintending Engineer.

(Signed) J. BEATTY, Col., R.E.,
Suptg. Engineer,
IV Circle.

10th August 1885.

- | | |
|-----------------------|--------------------------|
| 1. Report. | 6. Catchment basin. |
| 2. Specification. | 7. Section of jet. |
| 3. Detailed estimate. | 8. Longitudinal section. |
| 4. Abstract. | 9. Plan, &c., of bridge. |
| 5. Survey. | |

I have the honor to forward an estimate amounting to Rs. 9,000, with plans, &c., in per particulars in the margin, for constructing a bridge of 80 feet span across the Todur stream in the 8th (or long 18th mile on road No. 5, and to request that Government may be pleased to sanction the same.

2. The work consists of a single bay of 30 feet span, and the Local Fund Engineer in submitting the plans, &c., states that great care has been bestowed in their preparation, and that, if the design

meets with approval, it may be adopted in other places, thereby obviating the necessity of using wood or iron.

3. From the report accompanying the estimate it will be seen that it is proposed to abandon the present bridge-site, as the destruction of the old bridge, constructed probably half a century back, is attributed to the obliquity of the current, and to construct an entirely new work over a new channel direct to the lower reach.

4. The Local Fund Board's resolution sanctioning the estimate is enclosed.

No. 331, Financial.

Transferred to the Public Works Department.

(By Order.)

MADRAS,
3rd September 1885.

(Signed) M. HAMMICK,
Acting Under Secretary.

Gubbs—dated 25th September 1885, No. 2241 W., Public Works.

The estimate, amounting to Rs. 9,000, for constructing a bridge across the Todur stream, on the road from Mangalore to Mysore, is sanctioned.

2. The modifications suggested by the Superintending Engineer should be carried out.

3. This sanction has been registered as Local No. 18 W. of 1885-86.

(True Extract.)

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

To the Financial Department, with nine enclosures.
Superintending Engineer, IV Circle.

Encl. J. Henricus.
Spare Copies

6
1850

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of 1885 Madras.

PUBLIC WORKS.

Dated September, 25th.

Recd.

Encl.

G.O., 25th Sept. 1885, No. 2241 W.

SEPTEMBER.

Bridge across the Todar Stream

Estimate for a — on the road from Man-
galore to Mysore, sanctioned.

Public Works Department.

Current No.

Letter No.

Dated

From the

NOTE OF REMARKS.

The enclosed estimate
was submitted on 10th
10-10-1885 for construction
of bridge at the spot near
the new cut of the
stream on road No. 10
from Mangalore to Mysore
is submitted for sanction
in pursuance of the
Sanction in No. 2263
of 25th September 1885.

The sum Rs. 897 is being
set aside to meet the
cost of construction with
Christy's Stone in mortar.

The estimate has been
examined and found
correct and is approved by
the Engineer-in-Chief of the
Public Works Department
and is sanctioned by
the Public Works Department
on 25th September 1885.

J.P. The President
 does not wish to
 to be provided with
 The Secretary
 has been asked to
 in this office and will
 be in the office of

J.P.
 7/5/88

The Secretary
 of the
 to the
 of the

J.P. Secretary

W.W.
 7.6.88

6
 1850

No 224164/25-7-85

1888

P. W. DEPARTMENT

Current No. 5224

From

The Local & Maint. Dept

Encls. - 2

No. 996 E. M.

Dated 30th May 1888

Received 4 June 1888

SUBJECT.

Forw: for scrutiny & sanction
the revised estimate for
constg. a bridge of 30 ft span
across the Todar stream
in the 8th purlong of 18th mile
on Road No. 5 from
Mangalore to Mysore.

Disposal.

No. 2 15/11/88

Forwarded to the
S. & H. circle, for
counter signature to
the estimate if approved.

Return requested.

(By order)

(Sd) W. L. C. Baddeley

Under Secy. to Govt P. W.

CS
15.11.88 5561
2/850

Dev

In orders
whether the estimate
now lie
sanctioned

CS
12.6.88

Sanction

W.L.C.

12.6.88

B

18504

forwarded to the Superintending Engineer
for



PROCEEDINGS OF THE MADRAS GOVERNMENT.

Read the following paper:—

Letter from the President, District Board, South canara, dated 3rd May 1888. No. 693.

I have the honor to submit for the sanction of Government, a revised estimate amounting to Rs 10160 for constructing a bridge of 30 feet span across the Tadar stream in the 8th furlong of 18th mile on Road No 5, together with copies of Resolutions of the District Board, sanctioning the revised estimate subject to approval.

2. The original estimate amounting to Rs 9000 was sanctioned in G.O. dated 25th September 1885 No 2241 W. Public works. This estimate had however to be revised agreeably to the Superintending Engineer's note printed in the G.O. quoted above, and after revision, amounted to Rs 10,000 and was forwarded to the Superintending Engineer for

(Sd) W.L.C. Ba

Under Secy

approved in August 1886. That officer in checking the same again, reduced it to Rs 2263 and returned it with the remark that there was no necessity for submitting it for sanction of Government, the excess being less than 5 per cent on the sanctioned estimate.

3. The present Local Funds Engineer, in forwarding the revised estimate now submitted, stated that the rate allowed for arch work in the original estimate was for burnt stone which was not sufficiently strong for the work, and said that for quarried stone which was necessary a higher rate must be allowed. The Board approved of an increase of 12 annas a cubic foot on this representation, but disallowed the estimate for guard stones which he also submitted.

4. The allotment from Provincial Funds for the work is Rs 12000, then 5. L.P. No 1082. In this dated 1st September 1886. will therefore be a deficiency of Rs 160, which I request may be allotted from Provincial Funds.

Order

9/850 2nd

Order thereon dated 30th May 1886 No 996 L (mis.)

The revised estimates will be forwarded to the Public Works Department for scrutiny and sanction, on receipt of which the additional grant of Rs 160 applied for from Provincial Funds will be allotted.

(True extract)

W. B. B. B.

Under Secretary to Govt P.W.D.
for Chief Secretary

To

The Public Works Department with the revised
estimate in original.
President, District Board, South Canara

P.D.

Supg. Engineer's office, 4th file, ¹⁸⁹
Coimbatore, 9th June 1888.

J. W. Martin Esq.,
Executive Engineer in charge,
4th Circle,

Lo,

The Chief Engineer,
I.W. Department.

Sir,

1 Estimate 8th instant, I have the honor to return
1 Comparative
statement - duly approved and countersigned, the
1 Mr. Supri's En- revised estimate amounting to Rs 10,160
dorsement No. and Comparative Statement, for constructing
2150 C of 8/1/65 a bridge of 30 ft span across the new cut
returned. for Thodar Stream in the 8th Furlong of
the 18th mile on road No 5 from Mangalore
to Mysore, via Agoomby Khat.

2. Your memo: under reference
and the G. O., No. 996 L (Misc), dated 30th
May 1888 are herewith forwarded.

I have the honor to be

Your most obed^t servant

Executive Engineer in charge, 15th floor

2150 C of 8.6.88
2241 W of 25.7.88

From

The Executive Engineer
in charge of the Pambas

Dated 9th July 88

No. 236 6 P
2nd

Encls. 3

Bridge of 30 feet span across
new cut for the
stream in 8th furlong
of 18th mile in road
No. 5 from Mangalore
to Mysore.

Returns duly ap-
proved & countersigned
the revised estimate
of Rs. 10,160, with Compa.
native statement for
constructing —

2150 C of 8.6.88
2241 W of 25.7.88

A

10 1850 W

13th 11
1850
PUBLIC WORKS DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Under date the 21st June 1888

Read the following

Proceedings of Local and Municipal Deptt. H. E. No. 996 L (Proc) of 30th May 88.
From the Supty. Engineer IV Circle H. E. No. 236 L W of 9th June 1888.

The revised estimate amounting
to Rs. 10,160, for constructing a bridge
across the Todar stream on the road from
Mangalore to Mysore, is sanctioned
in supersession of the estimate of Rs. 9,000
sanctioned in S. O. No. 2241 W dated
25th September 1885.

2. This sanction has been regis-
tered as Local No. 7 W of 1888-89

MCR
15.6.88

14/4/88

16 June

The Local & Municipal Deptt with
2 furlors.
Supty. Engineer IV Circle

(The Chief Secy for favor of counter initials)

21/7/88

15/6

7 Camp
18
18/6



1000
1000
1000
1000
1000

Native Settlement
Constructing

Govt. of Madras.
PUBLIC WORKS.

23/8/88

Dated

And

Encl.

G.O. No. 1851 W. 1888, dated 21 June 1888.

Bridge across the Tondar
Stream

Revised estimate for
constructing a — on the
road from Mangalore to
Mysore & instructed.

90/5

22/6

22/6

Constructing