

- (1) பக்கங்களின் எண்ணிக்கை 26
 (2) புதுக்கித் திருப்பிய நாள் 1-6-89
 (3) ஆதாரங்குறிப்பவர் சுருக்கொப்பம் [Signature]

தமிழ்நாடு ஆவணக் காப்பகம்.

(102)

தமிழ்நாடு அரசு

P.W.D. துறை

அரசாணை எண். மு. கோப்புத் தாள் எண்.	1580	அச்சகம் பலவகை
நாள் :	17-6-1889	198

மடிக்கவோ கண்டபடி கையாளவோ கூடாது

13. Shuts என்

17TH JUNE 1889, No. 1580 W., PUBLIC WORKS.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following papers:—

From Lieut.-Colonel A. C. SMITH, R.E., Superintending Engineer, IV Circle, to the Chief Engineer, Public Works Department, dated Cochin, 26th March 1889, No. 133-E.W.

I have the honor to forward, for sanction of Government, a revised plan and estimate, amounting to Rs. 15,500, for spanning the existing masonry piers and abutments of the Mundaje bridge with rolled iron girders at the 46th mile on the road No. 4 from Mangalore to the Mysore frontier *via* Kodaikal ghāt in the Uppinangadi taluk, South Canara district.

2 An estimate of Rs. 21,000 for this work was sanctioned in G.O., dated 25th January 1886, No. 204 W., but as in the case of the revised estimate for Nidkal bridge sanctioned in G.O., dated 24th October 1887, No. 2853 W., the reduction in the rate for ironworks from Rs. 400 to Rs. 275 per ton has resulted in the saving of Rs. 5,500 in the revised estimate now submitted.

3. A report and specification are also herewith attached.

From H. H. O'FARRELL, Esq., President, District Board, South Canara, to the Superintending Engineer, IV Circle, dated Mangalore, 25th May 1889, No. 824.

With reference to your letter of the 15th April last, No. 107-M., I have the honor to forward herewith, as requested, a plan showing the arrangements proposed for strengthening the existing piers and abutments of the Mundaje bridge.

2. The amount required for the construction of the bridge has been allotted in the current year's budget, and as it is desirable that measures should be adopted for getting the necessary ironwork from England, I request you will be good enough to submit the estimate, if approved by you, for the sanction of Government as soon as possible and intimate to me by telegram if the plan meets with your approval.

No. 239-E.W.

Copy forwarded to the Chief Engineer, Public Works Department, for information with reference to his endorsement No. 1846 C. of 10th April 1889, herewith returned, with a request that he will be good enough to intimate his approval of the plan to the President by wire.

2. The undersigned observes that the arrangements proposed by the Local Fund Engineer for strengthening the piers and abutments of the bridge appear to be satisfactory.

COONOOR,
30th May 1889.

(Signed) H. M. VIBART, Col., R.E.,
Superintending Engineer, IV Circle.

1580

ORDER—dated 17th June 1889, No. 1580 W., Public Works.

The plan and estimate, amounting to Rs. 15,500 for constructing the Mundaje bridge in the South Canara district, are sanctioned.

2. This sanction has been registered as Local No. 9 W. of 1889-90.

3. The following deferred telegram will be sent to the President, District Board, South Canara :—

“ Estimate for constructing Mundaje bridge, sanctioned.”

(True Extract.)

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

To the Superintending Engineer, IV Circle.
„ Local and Municipal Department, with six enclosures.

Exd. J. Henricus.
Spare Copies

1580

X 2

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1889} Madras.

PUBLIC WORKS.

Dated June, 17th.

Read.

Encl.

G.O., 17th June 1889, No. 1580 W.

JUNE.

Mundaje Bridge, South
Canara District

Estimate for —, sanctioned.

25TH JANUARY 1886, No. 204 W., PUBLIC WORKS.

1560

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following letter from Colonel J. BEATTY, R.E., Superintending Engineer, IV Circle, to the Chief Engineer, Public Works Department, dated Coimbatore, 19th December 1885, No. 502 E.W.:—

I have the honor to forward, for sanction, two plans and estimates, amounting to Rs. 59,000, for the works noted below, together with two reports, two specifications, two extract proceedings of the district board, South Canara, and two original letters to the address of the Chief Secretary to Government, Financial Department, sent through this office by the president of the district board.

2. The design of the iron structure is nearly the same as that sanctioned in G.O., No. 794 W., dated 31st March 1885, for the Yekkar bridge.

	RS.
1. For spanning, with rolled iron girders, &c., the existing masonry abutments and piers of the Nidkul bridge, in the 4th furlong 44th mile of the Kodaikal ghât, road No. 4, amount of estimate.	38,000
2. For spanning, with rolled iron girders, &c., the existing masonry abutments and piers of the Moondaji bridge in the 1st furlong 46th mile of the above road	21,000
Total ...	59,000

ORDER—dated 25th January 1886, No. 204 W., Public Works.

The estimates for spanning, with rolled iron girders, the existing masonry piers and abutments of the undermentioned bridges, on the road No. IV from Mangalore to Mysore via Kodaikal ghât, are sanctioned:—

	RS.
Nidkul bridge	38,000
Moondaji do.	21,000

2. These sanctions have been registered as Local Nos. 34 and 35 W. of 1885-86.

(True Extract.)

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

To the Superintending Engineer, IV Circle.
,, Financial Department (L.F.), with enclosures.

Exd. E. Fernandez.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of Madras.

PUBLIC WORKS.

Dated January, 25th.

Recd.

Encl.

G.O., 25th Jan. 1886, No. 204 W.

JANUARY.

Bridges on Road from Mangalore to Mysore via
Kodaikal Ghat

Estimates for spanning with rolled iron
girders two —, sanctioned.

24TH OCTOBER 1887, No. 2853 W., PUBLIC WORKS.

1580

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following letter from Colonel J. BEATTY, R.E., Superintending Engineer, IV Circle, to the Chief Engineer, Public Works Department, dated Coimbatore, 14th September 1887, No. 381 E.W.:—

I have the honor to forward, for sanction of Government, three revised plans and a revised estimate, amounting to Rs. 25,400, for the Nidkal bridge, at the 4th furlong of the 44th mile on the road No. 4 from Mangalore to Mysore *via* the Kodaikal ghât, together with a report and specification.

2. In G.O., No. 204 W., of 25th January 1886, an estimate of Rs. 38,000 was sanctioned for the above work. The President, District Board, has forwarded for my approval a cheaper design of iron bridge (than has yet been adopted in the South Canara district), prepared by the present District Board Engineer, and has stated that it is of immense importance to the Board to adopt the cheapest plan compatible with safety.

3. This design was first submitted to me for approval and returned to the President with some corrections, and he has now submitted the revised estimate which shows the considerable saving of Rs. 12,600 *by reducing the rate of iron-work from Rs. 400 to Rs. 250*. The Local Fund Engineer states in the report he has ascertained that the reduced rate will be sufficient.

4. Early sanction of the estimate is solicited with a view to arrangements being made at once for obtaining the required iron-works from England.

ORDER—dated 24th October 1887, No. 2853 W., Public Works.

The revised estimate, amounting to Rs. 25,400, for spanning, with rolled iron girders, the existing masonry piers and abutments of the Nidkal bridge on the road No. 4 from Mangalore to Mysore *via* Kodaikal ghât, is sanctioned in supersession of the estimate of Rs. 38,000 sanctioned in G.O., No. 204 W., dated 25th January 1886.

2. It is observed that the plans and estimate have not been countersigned by the President, District Board.

3. This sanction has been registered as Local, No. 31 W. of 1887-88.

(True Extract.)

(Signed) J. O. HASTED, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, IV Circle.
„ Local and Municipal Department, with seven enclosures.

Exd. J. Moses.
Spare Copies

230

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of 1887 Madras.
PUBLIC WORKS.

Dated October, 24th.

Recd.

Encl.

G.O., 24th Oct. 1887, No. 2853 W.

OCTOBER.

Nidkal Bridge

Revised estimate of Rs. 25,400 for spanning, with rolled iron girders, the present masonry piers and abutments of the — on road No. 4 from Mangalore to Mysore *via* Kodakal ghât, sanctioned.

2036/24-10-87

204W-25-1-86

1889.

P. W. DEPARTMENT.

Current No. 3135

From The Supdy. Engineer
IV circle.

ENCLOS. — 5
(+1 plan)

No. 133
E. W.

Dated 26 March 1889

Received 3rd April 1889

SUBJECT
Forw. for sanction of Govt. a revised plan & estimate amtg. to Rs. 15,500 for spanning the existing masonry piers & abutments of the Mandaji bridge with rolled iron girders at the 46th mile on the road No. 4 from Mangalore to the Mysore front *via* Kodakal ghât in the Nippinangadi Taluk S. Canara Dist.

DISPOSAL.

No. 1846C Dated 10 April 1889

Forwarded to the Supdy. Engineer IV circle with a request that he will submit drawings showing the arrangements proposed for strengthening the abutments and

piers - together with an
expression of his opinion
thereon.

(By order)

(sd) W.L.C. Baddley

Capt. R.E.

Asst. Chief Engineer P.W.D.

(sd) R.R.E.D.B.

8-4-89

16/4/89

1580

5

5

Public Works Department.

Current No. 3135

Letter No. 133 E.W.

Dated 26th March 1889

From the Supy. Engr. The Circle

Letter to the Engineer for changes
of the arrangement for the
abutments of the bridge, with his
opinion thereon.

The estimate under
review amounting
to Rs. 15,500 for spanning
the existing masonry
piers and abutments
of the Mandak bridge
with a steel wire girder
is submitted for
sanction in pursuance
of the Est. for Rs. 1,000
sanctioned in G.O.
No. 204 W & A of 25th
January 1886

The saving of Rs. 5,500
was effected by a
reduction in the
rate for iron work
from Rs. 400 to
Rs. 275 per ton.

The bridge which
is of 6 spans 30' each
is situated at the
46th mile on road

K 5

No 4 from Mungahara
to the Ayers frontier
in the South Canada
District -

1580

It is explained that
the construction of this
bridge will complete
the bridging of this
important road
with the exception
of a small stream
at Charming
which it is contemplated
to construct a trestle
or a small side span
bridge. 1580

It is stated that
as the existing abutments
show weakness it is
proposed to strengthen
them by means of
retaining walls of
hammer dressed stone
in masonry built
to the faces of the
abutments and
wing walls and
carried up with
a batter a little
in view of the
original abutments

4

as well as to act as buttresses
and that the foundations
of the piers are to be
strengthened by "offset"
walls finished with
a sloped coping course,
above which the piers
are to be repointed
with cement and
covered with strong
cement plaster.

The masonry is stated
to be founded on
rock -

In the absence of
drawings the proposals
made are not clear
and the necessity for
covering masonry
with cement is
not apparent -

It is further stated
that the flooring plates
are to be laid transverse
to the rails and away
with the channel iron
road bearers, and
consequently the
additional risk of
and railing -

26

The water was fine -

US 80-² 4/4/89.

Before this design can
be printed, it will be
necessary to obtain
drawings showing the
arrangements proposed
for strengthening the
abutments and piers.

The arrangements for the
superstructure are satisfactory;
but it would not do to
pass the bridge until we
know more about the

Masonry work. 3 Mon
5.4.59

158

1580

3

20-123

From

Supg. Engrs Office 4th Circle
Camp Co. Minn, 26 March 1889.

St. Col. A. B. Smith R.E.
Supg. Engineer 4th Circa.

The Chief Engineer,
P.W. Department.

Sir,

Enclosures 5
1 Estimate
1 Mkt. Re.
1 Plan
1 Report and
1 Specification

I have the honor to forward for sanction of Government a revised Plan and estimate amounting to Rs. 15,500 for spanning the existing masonry piers and abutments of the Mandagi bridge with rolled iron girders at the 4⁶th mile on the road No 4 from Mangalore to the Mysore frontier via Kodaihal Ghant in the Uppinangadi Taluk South Canara District.

2. An estimate of Rs 21,000 for this work was sanctioned in G.O. of 25th January 1886, No 204 W. but as in the

~~A~~-7

case

May

case of the revised estimate for Kithal
bridge sanctioned in G.O. dated 24th
Oct 1887 No. 2853 W. the reduction
in the rate for iron works from Rs.
400 to Rs. 275 per ton has resulted in the
saving of Rs. 5500 in the revised est.
now submitted.

3. A report and specifications
are also herewith attached.

I have the honor to be
Sir
Your Most Obedt. Servt.

A. Smith Lt. Col. R.E.
Supg. Engineer 4th Field

Sd/-

15/80

15/80

9

7 B

may

S.O. No. 2852 W of 24.10.87
204 W of 25.1.86

No. 1846 C of 10 April 1889

Forwarded to the
Superintending
Engineer IV circle
with a request that
he will submit
drawings showing
the arrangements
proposed for strength-
-ening the abutments
and piers - together
with an expression
of his opinion thereon.

(By order)

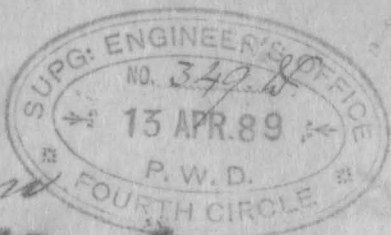
W. O. Buddhu

Capt. R.E.

Dy. Chief Engineer P.W.D.

Recd
8.4.89

L.W.C. 123/35



From
The Supg. Engineer,
Fourth circle.



Dated 26 March 1889

Recd 3.4.89

No. 133
MS

Encls. 5.

Mundaji Bridge:-

Forwarding for con-
-struction plan and estimate
of Rs. 15,000 for repair-
-ing the existing masonry
piers and abutments
of the — with rolled
iron girders on 45 ft
mile of road from
Mangalore to Mysore
frontier via Kodakul
ghat in Uppinangadi Taluk
South Canara District

5/4 Recd. 15/4 Recd/4.

No. 824

South Canara District Board Office
Mangalore 25th May 1889.

From

21st

H. H. C. Farrell Esq.
President, District Board
156 South Canara

To

The Superintending Engineer,
Fourth Circle,
Coimbatore.

Sir,

With reference to your letter of
the 15th April last, No. 107, I have the honor
to forward herewith, as requested, a plan
showing the arrangements proposed for strength-
-ening the existing piers and abutments of the
Mundaji Bridge.

2. The amount required for the
construction of the bridge has been allotted
in the Current year's budget, and as it is
desirable that measures should be adopted
for getting the necessary iron work from
England, I request you will be good enough

to 9

to submit the estimate, if approved by
you, for the sanction of Government as
soon as possible and intimate to me by
telegram if the plan meets with your
approval.

I have recd.
Signed/ D. L.
3 P. for President

No. 239
E. W.

Copy forwarded to the Chief Engineer
P.M.D. for information with reference, Enclosures: 7
to his endorsement of 1846 C. of 10th April 1889 1 Estimate
herewith returned, with a request that 1 Abstract
he will be good enough to intimate his 1 Specification
approval of the plan to the President by 2 Plans
wire. 1 L.C. of 1846 C.
10-4-89

2. The undersigned observes that
the arrangements proposed by the Local
Fund Engineer for strengthening the piers
and abutments of the Bridge appear
to be satisfactory.

Henry Vivian

Camp Lannan 2
30th May 1889 3 Colonel R.L.,
Superintending Engineer, Wirele

R.L.

(5-80

H. L.

may

mem 4975

From

The Supg. Engr
4th Circle

memo no. 1846 C of 10. 4. 89.
S.O. No. 2853 W of 24. 10. 87
" " " 204 W of 25-1-88

Dated 30th May 1889
Desd 1st June 1889

N^o 239
S.W.

Encl. 7

Mundaji Bridge.

Forwarding copy of letter
from the President of
Board South Canara
forwarding a plan show-
ing the arrangements pro-
posed for strengthening
the existing bridge of
the — & requesting to sub-
mit the estimate to Govt.

0/876-

H.M.

No. 1580 W

B.R.
L. works

PUBLIC WORKS DEPARTMENT.

4/P

PROCEEDINGS OF THE MADRAS GOVERNMENT.

1580 UNDER date the 17th June 1889

From the Supg. Engineer IV Circle — No 133 Encl. dated 26th March 1889.
From the Superintending
Engineer IV Circle — No 239 Encl. dated 30th May 1889.

READ the following

1580

The plan and
Estimate amounting to Rs
15,500, for constructing the
Mundaji bridge in the South
Canara District, are sanctioned.

2. This sanction has
been registered as Local No.
9 W of 1889-90.

3. The following
deferred telegram will be
sent to the President, District
Board, South Canara:—

"Estimate for constructing
Mundaji bridge, sanctioned."

Dr. 6
M. despatched
17/6

The
Supg. Engineer IV Circle
Local Municipal Dept.
with 6 enclosures.

W.C.M.
7.6.89

Recd 12/6/89

To The Honble the Chief
(Secy for favor of
counter-initials)

W.C.M.
for C.S.
12/6

+2

May

(1)

5000

Chas
7/6/89

10/1/86

5

1580

12

Ans. 55/6. Hm 13/1.

5/6.

17 June 1917 No. 15809

Mundaji Khatge.

S. Jansen

Get for —, same

60
4

13