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AMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

J. W. D. DEPARTMENT

G.O. No.	486 W.	Press.
B.P. No.		Mis.
Dated	22. 2. 1884.	~~19~~

Not to be folded or roughly handled

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22ND FEBRUARY 1884, No. 486 W., PUBLIC WORKS.

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, 2nd February 1884, No. 51 W.:—

With reference to paragraph 3 of my endorsement, No. 163, dated 17th April 1883, on a letter of the President, Local Fund Board, North Arcot, printed in G.O., No. 1258 W. of 30th idem, I have the honor to forward, herewith, one plan and two sections of a bridge and an estimate for it amounting to Rs. 2,416, to be constructed on the road from Abdullapuram to Salem frontier. This design is stated to be for the largest of the four bridges alluded to in the above endorsement.

2. The papers have been examined in this office and some slight corrections in the calculations have been made.

3. This estimate should apparently be supplemental to the one amounting to Rs. 9,830 sanctioned in the above Government Order.

ORDER—dated 22nd February 1884, No. 486 W., Public Works.

The estimate, amounting to Rs. 2,416, for constructing a bridge on the road from Abdullapuram to the Salem frontier, is sanctioned.

2. This sanction has been registered as Local No. 56 W. of 1883-84.

(True Extract.)

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

To the Board of Revenue, with seven enclosures.
" Superintending Engineer, IV Circle.
" Financial Department.

Exd. A. Aubert.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Gobt. of (1884) Madras.
PUBLIC WORKS.

Dated February, 22nd.

Recd.

Encl.

G.O., 22nd Feb. 1884, No. 486 W.

FEBRUARY.

Road from Abdullapuram to the
Salem Frontier

Estimate, amounting to Rs. 2,416, for constructing a bridge on the —, sanctioned.

30TH APRIL 1883, No. 1258 W., PUBLIC WORKS.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following papers:—

From A. J. STUART, Esq., President of the Local Fund Boards, North Arcot, to the Superintending Engineer, Fourth Circle, dated Chittoor, 16th March 1883, No. 40.

With reference to the Proceedings of the Board of Revenue, No. 88, dated 12th January last, I have the honor to forward, herewith, as per margin, plans and estimate for Rs. 9,830 for constructing road dams on the road from Abdullapuram to Salem frontier, accompanied by a fresh plan sheet as required by the Board in their Proceedings, No. 554, dated 29th January last, and to request that you will be so good as to transmit the same to the Board of Revenue after scrutiny.

No. 163.

Endorsement on the above.

Forwarded to the Chief Engineer for transmission to the Board of Revenue for sanction, with the plans and estimates, for constructing the following masonry works on the road leading from Abdullapuram to Salem frontier, in North Arcot District:—

	RS.
1. Constructing 58 tunnels	9,030
2. Do. 23 road dams	800
Total ...	9,830

2. The plans and estimates have been examined and found correct.
3. It is observed by the report that in addition to the tunnels and road dams provided in this estimate, four small bridges, apparently over the principal streams, will be needed, and that a separate estimate is under preparation for them.

COIMBATORE,
17th April 1883.

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

Memorandum by the Chief Engineer, Public Works Department.

The estimates are submitted for the sanction of Government.

2. It may, however, be pointed out to the Local Fund Board that in low tunnels the thickness sufficient for piers will be sufficient for abutments, and that a small saving may be effected by reducing the width of the latter accordingly.

27th April 1883.

(Signed) R. H. SANKEY, Colonel, R.E.,
Chief Engineer, P.W.D.

30TH APRIL 1883, No. 1258 W., PUBLIC WORKS.

ORDER—dated 30th April 1883, No. 1258 W., Public Works.

The estimates, amounting to Rs. 9,830, for constructing 58 tunnels and 23 road dams on the road leading from Abdullapuram to Salem frontier, are sanctioned.

2. The attention of the Local Fund Board should be called to paragraph 2 of the Chief Engineer's memorandum above recorded.

3. This sanction has been registered as Local No. 5 W. of 1883-84.

(True Extract.)

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

To the Board of Revenue, with five Enclosures.
" Accountant-General.
" Financial Department.
" Superintending Engineer, Fourth Circle.

Exd. A. F. Goodall.
Spare Copies

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BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of (1883) Madras.
PUBLIC WORKS.

Dated April, 30th.

Recd.

Encl.

G.O., 30th April 1883, No. 1258 W.

APRIL.

Road

The estimate for constructing tunnels and road dams on the — from Abdullapuram to the Salem frontier, sanctioned.

T. The slight rise ($4\frac{1}{2}$ " of
Flood line by obstruction, above
springing line, is unimportant.
Naturally floods rise far above
springing in such bridge without
damaging them. —
I fancy the officers concerned would
rather not try a 40 ft arch with
low rise, built into country walls &
under indifferent supervision. Two
tunnels will answer very well.

Draft sanction.

Ces.
4-2-84

Public Works Department, 1883-84.

Current No. 1039

486 W

Letter No. 518

Dated the 2nd Feb/84

From the S.E. IV. Circle

NOTE OF REMARKS.

486
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1. The accompanying plans and estimate provide for constructing bridges No. 15 on the road from Abdullapuram to the Salem frontier. The amount of the estimate is Rs. 2,416.
2. The design has been carefully prepared. The levels and calculations necessary to determine the waterway of bridge, and the velocity due to obstructed waterway of stream are given clearly. An error has been committed in not allowing sufficient height to pier and abutments. — The obstructed H.F.L. should be below springing line of arches. — the plan shows

it 4 1/2 inches above springing
line. This may be corrected
by raising the pier and
abutments half a foot.
Widths of pier and abut-
ments are correct. The
rise of arch, also, is correct.

3. Subject to approval
would not a bridge of
one arch of 40 ft. span
be preferable to the one
now submitted? The
velocity of the stream is
high, and, though the soil
be rocky, the center of a
stream is a bad position
for a pier. So the arch
of 40 ft. a rise of 8 ft. or 9 ft.
(10 ft. of course, would be the
correct rise) might be
given so that the gradients
would not be much af-
fected in the approaches.
Width of abutments be
raised 5 ft., and width
of roadway reduced to
12 ft.

4. S.E. considers that this
estimate should be
reckoned as supplemental

to the estimate sanctioned
in G.O. No. 1258 W of the
30th April 1883.

5. The estimate and plans
have been countersigned
by the Vice President of
the L. F. Board.

5th Feb/84
S.E.

Coimbatore 2nd February 1884

No. 51.W

480
5

From,

The Superintending Engineer,
Fourth Circle.

To,

The Chief Engineer
P.W. Department.

Sir,

Enclosures.

1. Plan
2. Sections
1. Estimate
with a sketch
of centerings
calculations
sheets & Specifi-
cation.

With reference to para 3 of
my endorsement No. 103 dated 17th April
1883 on a letter of the President Local
Fund Board North Arcot, printed
in G.O. No. 1258.W of 30th Idem, I have
the honor to forward herewith 1 Plan
and 2 Sections of a Bridge and an
estimate for it amounting to Rs. 2416,
to be constructed on the Road from
Abdulapuram to Salem frontier. This
design is stated to be for the largest
of the 4 Bridges alluded to in the
above

above endorsement.

2. The papers have been examined in this office and some slight corrections in the calculations have been made.

3. This estimate should apparently be supplemental to the one amounting to Rs. 9830 sanctioned in the above G.O.

I have the honor to be

Sir

Your most obedt. Servt.
L. Beatty - Colonel R.E.
Superintending Engineer
H. Circle.

St

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No. 1258 Wd/30-4-83

From

The Supy. Engineer
4th Circle

Dated 2nd February 1884.

No. 486 Wd/22-2-84

No. 51 W.

Enclosures 4

Read—

Forwards for sanction an
estimate of Rs. 2416 for consty
a Bridge on the from
Alidullapuram to Salem
frontier.

Form No. 22.

No. 486 W

PUBLIC WORKS DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the 22nd Febry 1884

READ the following:—

From the Supy. Engr. IV Circle No 51 W of 2nd Febry 1884.

The estimate
amounting to Rs 2416,
for constructing a bridge
on the road from Alidullapuram
to the Salem frontier, is
sanctioned.

2. This sanction has
been registered as Local
No 56 W of 1883-84.

To the Order of Secy
with 7 enclos
S.S. IV Circle
Finl Dept.

(Chief Secy for
Counterinitals)

14-2-84

14-2-84

FW 21/2

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