

(1) Number of pages 10

(2) Date of repair

(3) Initials of the Referencer *g*

MADRAS RECORD OFFICE.

Government of Madras.

Financial DEPARTMENT.

G.O. No.	<i>165</i>	Press ~~Mis.~~
<i>251-252</i> Dated	<i>25-1-1876</i>	

Not to be folded or roughly handled

Local Funds—Roads.

No. 251. Read the following Proceedings of the Board of Revenue, dated 13th January 1876, No. 83:—

Read the following letter from W. S. WHITESIDE, Esq., President of the Local Fund Boards, North Arcot District, to H. E. STOKES, Esq., Acting Secretary to the Board of Revenue, dated Chittoor, 26th November 1875, No. 644:—

I HAVE the honor to forward herewith a revised estimate and plans as per margin, amounting to Rupees 7,900, for constructing a causeway across the Palar at Arimutnapully on the road from Coopum to Venkataghiricotah.

1 Plan.	
1 Detailed Estimate.	
1 Abstract do.	
1 Specification.	
1 Extract from Range Officer's letter.	2. In their Proceedings, dated 15th

September 1874, No. 2,612, the Board of Revenue sanctioned the construction of a causeway at this spot at an estimated cost of Rupees 3,500 in lieu of a bridge originally designed; but when Mr. Leggatt, the late Officiating District Engineer, inspected the work, he thought it advisable to increase the waterway of the under tunnel with certain other alterations, and with this view he sent in the present revised estimate.

3. A copy of that officer's letter, dated 29th July 1875, No. 1,728, fully delineating the alterations proposed is herewith forwarded, from which the Board will observe that the revised estimate provides among other items the following three chief deviations from the sanctioned plan, *viz.*, increase of waterway by the addition of five vents to the under tunnel, increase in depth of foundations of retaining walls and consequent increase in their thickness, and pointing with Portland cement instead of with ordinary mortar.

4. After the return from leave of Captain J. Pennycuik, which was soon after the receipt of the above letter, I returned this matter for the consideration of that officer, who in his letter, dated 15th instant, No. 3,016, has intimated that the alteration in the design should, in his opinion, be carried out.

5. The estimate has been approved of by the Local Fund Board of the Chittoor Circle at their meeting held on the 9th instant. I, therefore, request that the Board of Revenue will be pleased to move Government to accord their sanction to it at an early date.

ENCLOSURE No. 1.

From W. LEGGATT, Esq., A. I. C. E., Officiating District Engineer, North Arcot, to W. S. WHITESIDE, Esq., President of the Local Fund Board, Chittoor Circle, dated Vellore, 29th July 1875, No. 1,728.

I HAVE the honor to forward herewith, for the consideration and sanction of the Board, a revised estimate, accompanied by plan and specification, for constructing a causeway across the Palar at Arimutnapully on the road from Coopum to Venkataghiricotah in lieu of

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those sanctioned by the Board of Revenue in their Proceedings, No. 2,612, dated 15th September 1874.

*Proceedings of the Madras Government, Financial Department,
25th January 1876.*

2. The work was being carried out according to the original design when I inspected it last month, but I found that it would be advisable to increase the waterway of the under tunnel by adding thereto five more vents, making eight in all, instead of three as originally intended.

3. I also found that to make the work secure the depth of foundation of the side or retaining walls of the causeway would have to be increased at certain points to carry them down to the hard soil below, and that this increase of depth would involve a corresponding increase of width or thickness to those walls.

4. Furthermore, I found that the pointing was to be done in the ordinary way with mortar; but, as in work similarly exposed mortar has proved ineffectual to withstand the wear and tear of a rapid river like the Palar, I am of opinion that it would be cheaper in the long run to use Portland cement instead.

5. These three deviations from the sanctioned plan and estimate, viz., increase of waterway by the addition of five vents to the under tunnel, increase in depth of foundations of retaining walls and consequent increase in their thickness, and pointing with Portland cement instead of with ordinary mortar, I have directed the Range Officer to carry out in anticipation of sanction to avoid delaying the work, as it has already been very considerably delayed owing to the unhealthiness of the country in its neighbourhood and to the difficulty of procuring labor there.

6. The revised estimate however provides for more than this, for the Range Officer is of opinion that the covering stones over the tunnel should be overlaid with concrete, that the space between the retaining walls should be cleared of sand and refilled with clay or other hard soil, that there should be a pavement of large rough stone throughout the length of the causeway before the roadway over it is formed and metalled, and that a dry stone apron should be provided in the deep bed of the river to break the overfall. He has consequently provided in the estimate accordingly; and, as I agree with him that the stability of the work will be increased thereby, I have let these additions stand, but they will not be carried out until they are sanctioned by the Board. An extract from the Range Officer's letter on the subject is enclosed.

7. These alterations and additions have increased the estimate from Rupees 3,500 to Rupees 7,900. Should the Range Officer's suggestions however be not carried out, the increased cost of the alterations I have ordered will be Rupees 1,400, and I have the honor to request the Board's sanction thereto.

(True Copy)

(Signed) W. S. WHITESIDE,
President.

ENCLOSURE No. 2.—Plan.

ENCLOSURES Nos. 3 and 4.—Estimates.

ENCLOSURE No. 5.—Specification Report.

ENCLOSURE No. 6.—Extract from Range Officer's letter.

THE revised estimate, amounting to Rupees 7,900, for constructing a causeway across the Palar at Arimutnapully on the road from Coopum to Venkataghiricotah is submitted for the sanction of Government.

2. The original estimate for Rupees 3,500 was sanctioned in Board's Proceedings recorded in G. O., Financial Department, dated 10th June 1874, No. 981. The

*Proceedings of the Madras Government, Financial Department,
25th January 1876.*

necessity for the revision is fully set forth in the Officiating District Engineer's letter, dated 29th July 1875, No. 1,728.

(True Copies and Extract.)

(Signed) H. E. STOKES,
Acting Secretary.

No. 252.

ORDER THEREON, 25th January 1876, No. 165.

The revised estimate is sanctioned.

(True Extract.)

Chief Secretary.

To the Board of Revenue
.. Public Works Department.
.. Accountant-General.

Exd. W. J. Lewis.

Obt. of 1876 FINANCIAL.		To THE BOARD OF REVENUE, K.C., K.C., 1	Dated January, 25th. Issued Recd.	C.O., 25th January 1876, No. 165.	JANUARY. Nos. 251-252.	Local Funds—Roads—Revised estimate, amounting to Rupees 7,900, for a causeway across the Palar on the road from Coopum to Venkata- ghiricottah, North Arcot District, sanctioned.
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No. 83.

PROCEEDINGS OF THE BOARD OF REVENUE, dated 13th January 1876.
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(True Copy)

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necessity for the revision is fully set forth in the Officiating District Engineer's letter dated 29th July 1875, No. 1,728.

(True Copies and Extract.)

Acting Secretary.

To the Chief Secretary to Government, Financial Department,
with five enclosure, to be returned.

Copy to the President, Local Fund Boards, North Arcot District.
" to the District Engineer, North Arcot.
" to the Controller of Public Works Accounts.

Franciscan Dept. Fund.
(Dept. funds. - Nov. 8.)

1876.

Board of Directors,
MADRAS.

PROCEEDINGS, 13TH JANUARY 1876, No. 33.

Dec 22 1976

Emil.

~~Feb 20 7~~

Received
24 January 1960.

JANUARY.
No. 83.

Conservancy—across the Palur at Arimathully on road from Coorpan to Vencatagurthitali, in North Arcot District.—Submitting for sanction of Government revised estimate, amounting to Rupees 7,900, for construction of —.

31st May

Govt. of 1871 Madras.

Financial.

G.O., 28 January 1876, No. 168

Nos. 251-2

Local Funds. Roads. Minor
estimate amounting to
Rs. 7900 for a Cartway
across the Palae on the
road from Coorun to
Venkatagiri, North Arcot
District, sanctioned.