

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following papers :—

From Colonel J. BEATTY, R.E., Superintending Engineer, IV Circle, to the Chief Engineer, Public Works Department, dated Coimbatore, 9th May 1885, No. 186 E.W.

I have the honor to submit, herewith, the revised plans and estimates for the smaller bridges on the Calicut-Vayitri road, and for buildings for housing the staff while the improvement of the Wynaad roads is in progress, prepared with reference to G.O., No. 3043 W., of 12th December 1884.

2. The revised estimates now submitted amount to Rs. 3,317 and Rs. 40,727, respectively, as against Rs. 5,177 and Rs. 66,329 as originally designed ; and Mr. Todd has, in his very complete and concise report, explained most clearly the way in which the reduction of cost has been effected.

3. The general result of the various modifications made since the first submission of the project is as follows :—

The original estimate exclusive of establishment and tools and plant (ordered to be omitted in paragraph 10 of the note printed with the abovementioned Government order) for the road and buildings amounted to Rs. 3,47,037 ; the revised estimate for the same amounts to Rs. 3,17,410 ; so that on the whole a saving of Rs. 29,627 has been effected.

4. As stated in my letter, No. 46 C., of 24th April 1885, the annual cost of repairs, if undertaken in conjunction with the improvements, will be Rs. 13,300 ; and assuming that the works will extend over three years, the total cost of the improvements, repairs, and buildings will be Rs. 3,57,310.

From the same officer, dated Wellington, 17th June 1885, No. 242 E.W.

In reply to your memorandum, No. 200 E., of 5th instant, I have the honor to forward, herewith, a comparative statement showing that the difference of cost for providing a 12-feet width of roadway on the smaller bridges of the Calicut-Vayitri road, instead of $8\frac{1}{2}$ feet, would be Rs. 900.

2. In preparing estimates for a width of $8\frac{1}{2}$ feet Mr. Todd assumed that the orders for a width of 12 feet applied only to the larger bridges. The cost of the masonry work will not be affected, as the abutments are already 14 feet wide.

ORDER—dated 1st July 1885, No. 1527 W., Public Works.

With the foregoing correspondence, the Superintending Engineer, IV Circle, submits revised estimates for the smaller bridges on the Calicut-Vayitri road, and for housing the working staff.

2. The estimate for the smaller bridges has been modified in accordance with paragraph 8 of the Chief Engineer's note recorded with proceedings of Government, No. 3043 W., dated 12th December 1884, and amounts to Rs. 3,317, as against Rs. 5,177 sanctioned in the proceedings above quoted. The present estimate provides for a width of roadway over the bridges of only $8\frac{1}{2}$ feet ; but it is considered essential

that the clear width between parapets should not be less than 12 feet. To admit of this extra width being given, the revised estimate will be increased by Rs. 900, which will then show a saving of Rs. 960 over the original sanction.

3. The estimate previously submitted for housing the staff involved an expenditure of Rs. 66,329; but, in accordance with the instructions issued in G.O., No. 3043 W., dated 12th December 1884, the proposals have been carefully revised by Mr. Todd, and now provide for affording satisfactory accommodation at a cost of Rs. 40,727.

4. The revised estimates are sanctioned as follows:—

	RS.
Smaller bridges	4,217
Buildings for working staff	40,727

5. The total sanction for improvements to the Calicut-Vayitri road will now stand as shown below:—

	RS.
Revised estimate for improvements sanctioned in G.O., No. 154 W., dated 19th January 1885	2,78,544
Deduct saving now made in cost of smaller bridges	960
	2,77,584
Add cost of repairs sanctioned in G.O., No. 3043 W., dated 12th December 1884, and which, under G.O., No. ^{1356 W.} _{A.} , dated 10th June 1885, are to be charged to Provincial, and treated as part of the improvements	33,300
Buildings for working staff	40,727
Total ...	3,51,611

6. This sanction has been registered as Provincial, No. 74 W. of 1885-86, and classified as Communications, Original Works.

(True Extract.)

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

To the Superintending Engineer, IV Circle, with twenty-eight enclosures.

„ Examiner, Public Works Accounts, with original general abstract estimate.

„ Financial Department.

„ Honorary Secretary, Wynaad Planters' Association, with copy of

G.O., No. ^{1356 W.}_{A.}, dated 10th June 1885.

Exd. E. Fernandez.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of 1885 Madras.

PUBLIC WORKS.

Dated July, 1st.

Recd.

Encl.

G.O., 1st July 1885, No. 1527 W.

JULY.

Bridges

Revised estimate for the smaller — on
the Calicut-Vayitri road, sanctioned.



No. 281
C.M.

Superintending Eng'rs Office. 4th Co
Coimbatore 4th July 1885

From,

The Superintending Engineer
4th Circle.

To,

The Chief Engineer
Public Works Department.

Sir,

I have the honor to bring to
your notice that orders are still
awaited on the revised estimates
of minor bridges, accommodation
for establishment, and repairs
of the Calicut-Vayitri road; sub-
mitted with this office No. 186 of
9th May 1885, and additional
information given in this office

+ 200 E. 5/6/85

No. 1527 W
1-7-85. in

to be

No. 242 of 17th June 1885.

2. The preparation of a General
abstract estimate of the whole
work ordered in your No. 1076
of 13th May 1885 is delayed for
want

+ 1000/2

G. 6. No 15274 1. 7. 85

From

The Supg. Engineer
IV Circle

No 1631 W d/13th July 1885

B

Recorded with
reference to G.O. No 15274
of 18th July 1885

Dated 4th }
Sept 6th } July 1885.
Recd 7 }

Col.

8. 7. 85

No 281

C.M.

No 1631 W dated 13th July/85

Calicut Vayitri Road.

Stating that the preparation
of a General abstract estimate
of the whole work is delayed
Awaiting orders on the revised
estimate submitted on 9th May
No 186 and additional inform-
ation given on 17th June No 242.

lls.
9. 7. 85

Bk
14/7

O.S. 43/7

6. 8. 7. 85 - 13. 7. 85

17/7 S. 16/7

W