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TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

Rumangan DEPARTMENT

G.O. No.	6029	Press.
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GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

25th September 1877, No. 346 I.

Irrigation.

Read the following papers:—

No. 127. Endorsement of the Chief Engineer for Irrigation, dated Fort St. George, 19th September 1877, No. 185 I.

No. 127-A. From Major J. BEATTY, R.E., Officiating Superintending Engineer, Godavery, to the Chief Engineer for Irrigation, dated Camp at Dowlaishweram, 6th July 1877, No. 1,108.

With reference to G.O. No. 3,311, dated 7th December 1876, I have the

- 1 Book of cross section.
- 1 Longitudinal section sheet.
- 1 Abstract estimate.
- 1 Classified abstract.
- 1 Statement marked A.
- 1 Report to accompany the estimate.

honor to submit herewith a revised estimate for the river embankment on the right bank of the Gowtami and Vridi Gowtami from the anicut to the 51st mile.

2. In this revision the only alteration is the reduction of cost due to the greater fall given to the top of the embankment along the Vridi Gowtami as directed by you in your Note of 28th November 1876. The original estimate exclusive of establishment amounted to 73,750 Rupees; the revised estimate now sent amounts to Rupees 68,670.

3. In a separate statement the Sub-Engineer in charge of the Central Delta has shown what part of the work is common to the East Bank Canal Central Delta and to the river embankment. This amounts to Rupees 718 only which may be deducted hereafter from the East Bank Canal estimate when that estimate is sanctioned. In a report to accompany the estimate Mr. Ellis has explained why the deduction is so small.

No. 134 G.D.

MEMORANDUM.

With reference to the letter No. 1,108 of the 6th instant from the Superintending Engineer, Godavery, the undersigned has the honor to request Major Beatty to specially consider in connection with the small amount of work common to the Bank Canal and the flood embankments for which a revised estimate has been forwarded by him whether the arrangements of the canal and the alignment of the embankments are the best that can be devised and the alignment of the embankments should be particularly considered.

2. Of course the flood banks must be well aligned whether the result be that they are located at a distance from or near to the canal, for otherwise their main object might not be secured. Consequently no injurious change should be made for bringing the two works closer together, but on the other hand before submitting a revised estimate to Government the undersigned will be glad to be assured that no subsequent alterations will be found to be desirable.

26th July 1877.

(Signed) JOHN MULLINS, Colonel, R.E.,
Chief Engineer for Irrigation.

To the Superintending Engineer, Godavery.

No. 127-B. From Major J. BEATTY, R.E., Officiating Superintending Engineer, Godavery, to the Chief Engineer for Irrigation, dated Camp at Dowlaiswaram, 4th September 1877, No. 1,876.

With reference to your remarks in memorandum No. 134 G.D., I have the honor to inform you that I see no necessity to alter the alignment of the right bank of the Gowtami and Vridi Gowtami anywhere. The river is everywhere at a safe distance with one exception, near Tanelanka, which has been well protected by nanel planting. There are no dangerous erosions. I therefore resubmit the plans and revised estimate for the flood embankment.

SUBMITTED to Government.

The revision of the estimate for the eastern flood banks of the Central Delta, Godavery, has resulted in a reduction of the total for works from Rupees 73,750 to Rupees 68,670. The alteration is in the embankment of the Vridi Gowtami, Godavery, the estimate for which was Rupees 15,035, and is now 9,955.

2. On the other hand it is shown that instead of the future Bank Canal work ultimately covering about Rupees 22,174 of the cost, only Rupees 718 of the work to be done to the canal is common to the embankment also. It would appear that this is due partly to the left bank of the canal being distinct from the river flood bank and requiring a separate bank and partly to the circumstance that the earthworks for the improvement of the canal involve little canal excavation, but much making up of banks from outside cutting. It will be seen that the Superintending Engineer has been called on to report as to propriety of the arrangements of the canal and the alignment of the embankments, and he considers that there is no room for improvement. Under these circumstances the revised estimate is recommended for sanction. The change is solely in the estimate for the Vridi Gowtami for which in lieu of the entries given in Proceedings of Madras Government, No. 3,311, 7th December 1876, the following are now the details:—

Miles.	Land Compensation.	Earthworks.	Total.
	RS.	RS.	RS.
39	75	1,165	1,240
40	75	1,375	1,450
41	100	1,960	2,060
42	75	1,220	1,295
43	50	805	855
44	60	890	950
45	50	770	820
46	25	295	320
47	30	375	405
48	25	220	245
49	...	100	100
50	...	100	100
51	...	100	100
52	...	15	15
First 38 miles as per G.O., No. 3,311, 7th December 1876 ...	565	9,390	9,955
	6,525	52,190*	58,715
	7,090	61,580	68,670

* Including cattle crossings.

The following is a revised classified abstract:—

B. Land	...	...	...	...	...	...	...	RS.
L. Earthwork	...	...	...	...	...	...	...	7,090
								61,580
Establishment	...	...	...	...	...	...	...	68,670
Tools and Plant	...	...	...	...	...	...	...	17,180
								...
Total direct charges	...	...	...	...	...	...	...	85,850

(Signed) JOHN MULLINS, Colonel, R.E.,
Chief Engineer for Irrigation.

No. 128. ORDER THEREON, 25th September 1877, No. 346 I.

The amount of the estimate sanctioned in G.O. No. 3,311 of the 7th December 1876 will be Rupees 68,670 instead of Rupees 73,750.

2. This sanction has been registered as No. 215 I of 1877-78.

(True Extract.)

Colonel, R.E.,
Joint Secy. to Govt., P.W.D.,
Irrigation Branch.

To the District Engineer, Godavery.
" Collector of Godavery.
" Chief Engineer for Irrigation.
" Examiner of Public Works Accounts.
" Revenue Department.

Exd. A. Grubert.
Spare Copies

Revenue Department
No 4235
IRRIGATION.

Gobl. of 1877; Madras.
PUBLIC WORKS.

To

THE DISTRICT ENGINEER,
GODAVERY,
&c., &c., &c.

Dated September 25th.

Issued

Recd. 3 October Encl.

G. O., 25th September 1877, No. 346 I.

SEPTEMBER.

Nos. 127-128.

Flood Embankments on the right banks of
the Gowtami and Vridi Gowtami in the
Central Delta, Godavery.—Sanctioning esti-
mate of Rupees 68,670 instead of Rupees
73,750 for improving the

4.6029
Comm. to the
Board of Revenue
4 Oct 77

9249 Revenue (5-6-77)