

MADRAS RECORD OFFICE.

Government of Madras.

Revenue DEPARTMENT.

G.O. No.	667	Press Mis
223-26 Dated	13 - 3 -	18 65

Not to be folded or roughly handled

*Proceedings of the Madras Government, Revenue Department,
13th March 1868.*

No. 223. Read the following Proceedings of the Madras Government in the
Public Works Department:—

Sanctioning estimate of Rupees 22,400 for the
construction of a channel from the Venkata-
gherry river to the Chennoor tank, in Nellore } (Here enter 9th March 1868, No. 784.)
District

No. 224. ORDER THEREON, 13th March 1868, No. 667.

Irrigation, No. 3.

Communicated to the Revenue Board.

(True Extract.)

(Signed) F. BRANDT,
Under Secretary to Government.

To the Board of Revenue, with Proceedings Public Works Department, No. 784.

Exd. S. T. Augustin.

193. Read the following letter from the Superintending Engineer, 2nd Division, to the Chief Engineer for Irrigation, Madras, dated Nellore, 13th February 1868, No. 147:—

Survey.
Plans.
Specification Reports.
Detailed Estimates.
Abstract do., Rupees 22,400.
Comparative Statement.
Ayacut and Revenue Return.

1. I have the honor to submit plans and estimates, as per margin, for the construction of a channel from the Venkatagorry river to the Chennoor tank for the sanction of Government.

These estimates are in supersession of those originally sanctioned in G. O., No. 321, dated 29th February 1856. From a comparative statement herewith forwarded, it will be seen that the project, revised, provides for nearly three times the amount of excavation and embankment that the former estimate did, whilst I propose to abandon the anicut, stone retment, and three bridges therein allowed; nevertheless the net increase in the total cost is Rupees 8,490.

2. The line followed is, as far as I can discover, very nearly the same as that originally chosen, but I find the width and depth of cutting is widely different. I am unable to account for this, as the levels shown in the plan I now forward are certainly correct, and it is there seen that the excavation in the first four miles varies from about 2½ yards to ½ yard, whilst the old estimate allows for exactly 1 yard throughout and 3 yards bottom width. I do not consider it desirable to erect an anicut, as one mile lower down the stream the Gudur anicut exists, and the land under the Gudur tank is nearly four times the area of that under Chennoor, injustice might frequently be done in scarce seasons to the Gudur ryots. The Chennoor tank is now supplied only by a small stream draining about fifteen miles of country, so that the advantages given by the supply from the Venkatagorry river will be very considerable, without running the risk of infringing the ancient rights of others.

3. The three bridges allowed in the old estimate are unnecessary, as they only would accommodate one or two small villages, and ramps will be sufficient, considering that the channel will flow for only about fifty days per annum.

4. It will be noticed the floods in the Venkatagorry river occasionally rise 5 feet. The head sluice, as originally designed, had its roadway at 11 feet 9 inches above the bed, and would, therefore, be liable to be overtopped; I have now allowed for a sluice having its roadway 18 feet above the bed. Rates of masonry have considerably increased since 1855, and the estimate is now raised from 1,400 Rupees to 3,100.

5. From the statement of the ayacut and revenue of the tank, herewith submitted, it appears that, on an average, 260 goroos of land, yielding a revenue of 1,278 Rupees annually, lie fallow. If the scheme now forwarded brings this amount into cultivation, it will return upwards of 19 per cent. on the expenditure; and as the excess water and drainage will pass off into the Gudur channel, it is reasonable to expect an increase of cultivation also under the Gudur tank. The project may, therefore, be considered a sound one, that will be amply remunerative

*Proceedings of the Madras Government, Public Works Department,
9th March 1868.*

6. The expenditure up to the end of the present official year will be about 12,700 Rupees, and water will, I expect, be admitted from the river to the tank during the next cultivation season.

Comparative Statement showing the difference between the original and revised estimates for excavating channel from Venkatagerry river to Chennoor tank.

Items.	ORIGINAL ESTIMATES.		REVISED ESTIMATES.		Increase.	Decrease.
	Quantity.	Amount.	Quantity.	Amount.		
Channel cutting	88,034	Rs. 8,800	1,65,892	Rs. 18,500	Rs. 11,700	Rs. 3,680
Anicut		3,680				
Embankment and rough stone re- vetment		430				430
Head sluice		1,400		3,100	1,700	
3 Bridges at 400 Rupees each		1,200				1,200
1 Culvert		400		800	400	
		13,910		22,400	13,800	5,510
					5,310	
				Net Increase.	8,490	

13th February 1868.

(Signed) G. V. WINSOM, Lieut.-Colonel, R. E.,
Superintending Engineer, 2nd Division.

MEMORANDUM.

1. With his letter, No. 147, dated 13th February 1868, the Superintending Engineer of the 2nd Division submits a revised estimate for a supply channel to Chennoor tank in the Nellore District, amounting to Rupees 22,400, or Rupees 8,490 in excess of the original estimate.

2. The project was originally drawn up by Major de Butts in 1850, and was sanctioned by Government in 1856. (G. O., No. 321, dated 29th February.) Though entered in the Budget for 1856-57, it does not appear to have been proceeded with, and for some years subsequently it was held in abeyance for want of funds.

3. The Superintending Engineer has allowed a greater width of channel (12 instead of 9) than was provided in the original estimate, and the increase on this head alone amounts to Rupees 11,700. A saving is effected by striking out the anicut, a rough stone embankment, and three small bridges.

4. The work is of a simple character, being confined to the excavation of a channel five miles in length, and to the construction of a head sluice, and one culvert. The reasons given by the Superintending Engineer for the omission of the anicut originally allowed for, appear to be sufficient, as a few days' flood in the river will allow of the channel drawing off enough water to fill the tank and to irrigate the land under it.

5. I would recommend the excess on the original estimate, Rupees 8,490, for the sanction of Government.

Forr Sr. GEORGE,
February 1868.

(Signed) J. C. ANDERSON, Lieut.-Colonel, R. E.,
Chief Engineer for Irrigation.

*Proceedings of the Madras Government, Public Works Department,
9th March 1868.*

No. 194.

ORDER THEREON, 9th March 1868, No. 784.

IRRIGATION, No. 7.

• Rupees 13,910.

1. The estimate of Rupees 22,400 submitted with these papers, for the construction of a channel from the Venkatagerry river to the Chennoor tank in the Nellore District, is sanctioned in supersession of that which received the approval of Government in Extract Minutes Consultation No. 321 of the 29th February 1856.

2. Funds for the completion of the work have been provided in the Budget of 1868-69.

(True Extract.)

Colonel, R. E.,

Secretary to Government.

To the Superintending Engineer, 2nd Division.

.. Accountant General.
.. Controller of Public Works Accounts.
.. Revenue Department.

Erd S. T. Augustin.

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