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TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

Revenue DEPARTMENT

G.O. No. / B.P. No. 6422	Press. / Mis.
Dated 27. 11. 1877	197 .

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Archives 1—10,006—19-4-79.

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GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

13th November 1877, No. 483 I.

Irrigation.

Account.

Read the following paper:—

No. 40. Endorsement of the Chief Engineer for Irrigation, dated Fort St. George, 7th November 1877, No. 230 I.

From J. H. LATHAM, Esq., Chief Engineer and Manager, Madras Irrigation and Canal Company, to the Chief Engineer for Irrigation, dated Kurnool, 23rd October 1877, No. 121.

Tudicherla Extension.

I HAVE the honor to report that the Board of Directors have assented to my proposal to extend the Tudicherla channel, which leaves the canal at 80 miles 42 chains (corrected measurement).

The present works proposed to be altered and extended are shown on the map, viz.:—

I. *A to B.*—The Main Canal from *A* at the end of the Metakondal cutting for a length of 6 miles, able to carry 45,000 cubic yards of water an hour for the irrigation of 22,500 acres north of a horizontal line through *E*.

The direct irrigation of this part of the canal has turned out to be of considerable importance. The villages of Banakacherla, Vempenta, Maddur, and Gunta Kandala contain some of the finest cholum land in the district, besides a larger area of dry crop land of less value. 1,000 cubic yards of water an hour, the quantity allowed in the original estimates, is nothing like enough. Even this year we have 1,200 acres under direct irrigation.

At *B* a waste sluice will be required.

II. *B to C.*—The present Tudicherla channel, able to carry 44,000 cubic yards of water an hour, with $3\frac{1}{2}$ feet of water, at the end *B*; but practically able to carry throughout its length scarcely half that discharge. This channel discharges into a stream course at *C*. About a third of this water is taken up again by *D E*, the Regadagudur channel, and distributed.

It is proposed to make *B to C* able to carry on the average 50,000 cubic yards an hour, and *D to E* 37,000 cubic yards an hour near *D* and 29,000 cubic yards an hour at *E*; and it is proposed to make two new channels *E F* and *E G* for distributing this water.

The finance of the matter is shown in the following tables :—

TABLE I—Showing the unspent portion of the money sanctioned by the Madras Government for the 6th Section.

Name.	Sanctioned.	Spent.	Remaining.
	RS.	RS.	RS.
Main Canal	9,46,394	8,78,576	67,818
Distribution	72,838	44,922	27,916

TABLE II.—Estimate of proposed extensions in 6th Section.

Name.	Amount.
Main Canal.	RS.
Enlarging the upper 5½ miles at Rupees 10,000 a mile	55,000
Distribution.	
Enlarging old channels	9,000
Constructing new ones	14,100
Total ...	78,100

TABLE III.—Unspent balance of the Company's Capital and Loan in India, corrected for all adjustments pending.

Account.	Amount.
	RS.
Capital Account	75,491
Loan Account	56,629
Total ...	1,32,120

The following are the arguments in favor of this expenditure :—

I. The Tudicherla channel was designed under the anticipation of pretty equal irrigation taking place over the land commanded by it, whereas the land nearest the head is poor soil, and is least irrigated ; so that the channel is really required to carry the chief portion of its supply to the lower end of it. This it is incapable of doing.

II. The 23,000 acres of new land to be irrigated south of the point *E* contains the best in the section, and has been opened out by pioneer channels fully utilized, and Mr. Wilks estimates that had the channels been large enough 8,000 more acres would have been irrigated last year.

III. The cost of bringing this additional 23,000 acres of first-rate land under irrigation you will see is only Rupees 3-4-0 an acre, a twelfth of the average cost of the canal per acre irrigable.

I have the honor to ask the sanction of Government to the carrying out of this extension, and, in case the Government approve of it, I have to add the request that

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Rupees 80,000 be placed at my disposal in addition to the budget allotment at present sanctioned to Capital expenditure.

SUBMITTED for the consideration of Government.

The Chief Engineer and Manager, Madras Irrigation and Canal Company, proposes to extend the means of irrigation under the Tudicherla channel, which has its head at 80 miles 42 chains on the Main Canal, so as to provide for the irrigation of 23,000 acres lying between the Main Canal and the Koondaur.

2. Mr. Latham shows that the estimates for distribution from the 6th Section, Main Canal, amount to ... RS 72,838
Expenditure already incurred 44,922

Also that the amount available for expenditure is—

Guaranteed Capital	75,491
Loan do.	56,629
Total ...	1,32,120

The work to be done consists of —

(1.) Enlarging Main Canal for 5½ miles	55,000
(2.) Do. present Tudicherla channel	9,000
(3.) Constructing new branches to Tudicherla channel ...	14,100
Total ...	78,100

4. The cost of extending the means of irrigation will be about Rupees 3-6-0 an acre, which is moderate. The Board of Directors have given their sanction to the proposal, and it is recommended for the sanction of Government.

5. Mr. Latham asks that the budget provision under Capital may be increased to the extent of Rupees 80,000, if the work be sanctioned to enable him to proceed with it.

6. Regular estimates in the usual form should be submitted for sanction in due course.

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

To the Joint Secretary to Government, Public Works Department, Irrigation Branch.

No. 41. ORDER THEREON, 13th November 1877, No. 483 I.

HIS GRACE the Governor in Council approves the extension of the Distributaries under the 6th Section of the Madras Irrigation and Canal Company's Main Canal, and sanctions the following approximate estimates pending the submission of regular estimates :—

		RS.
Main Supply.		
Enlarging Main Canal, 6th Section, above 80 miles 42 chains ...		55,000
Distribution.		
Enlarging Tudicherla channel	9,000	
Constructing new branches to Tudicherla channel ...	14,100	
		23,100
Total ...		78,100

2. The increase of the budget grant under Capital by Rupees 80,000 will be recommended for the sanction of the Government of India.

(Here enter No. 484 I, dated 13th November 1877.)

(True Extract.)

(Signed) JOHN MULLINS, Colonel, R.E.,
Joint Secy. to Govt., P.W.D.,
Irrigation Branch.

To the Chief Engineer, for Irrigation.
" " and Manager, Madras Irrigation and Canal Company.
" Examiner, Irrigation Company's Accounts.
" Accountant-General.
" Financial Department.

Order in the Financial Department, 21st Nov. 77. No. 2756

Communicated to the Revenue Department for information

(True Extract)

J. Kennedy
Under Secretary

Ord. A. F. Goodall.
Spare Copies
50.

The Revenue Department.

IRRIGATION.
ACCOUNT.

Govt. of {1877} Madras.

PUBLIC WORKS.

To

THE CHIEF ENGINEER FOR IRRIGATION,

&c., &c., &c.

Dated November 13th.

Issued

Recd. *Encl.*

G. O., 13th November 1877, No. 483 I.

NOVEMBER.

Nos. 40-41.

Madras Irrigation and Canal Company's Main Canal.—The approximate estimates for the extension of the Distributaries under the 6th Section of the — sanctioned, and the increase of the budget grant under Capital recommended for the sanction of the Government of India.

Revenue 1877 Deptt

No 4925

Proceedings, Financial of Govt

Dated 24th
Recd 26th November
No 2756

Commy G.O.

P.W.D, Sanctioning the approximate estimates for the extension of the Distributaries under the 6th Sec of the Madras Irrign and Canal Company &ca &ca

No 6422

Commd to the Board of Revenue

27: Nov/77

To Hd of Revenue 28.11.77