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TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

REVENUE DEPARTMENT

G.O. No.	<i>4117</i>	Press.
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1/11/77

GOVERNMENT OF MADRAS.
PUBLIC WORKS DEPARTMENT.

12th July 1877, No. 1681

Irrigation,
Account.

Read the following paper:—

No. 794.

No. 62. *Note by the Chief Engineer for Irrigation.*

This District Engineer, Cuddapah, forwards, with his letter marginally noted, an estimate in connection with the Patta Cuddapah tank supply channel situated in the Cuddapah Taluk, Cuddapah Range.

2. The nature of the work proposed for execution and the heads of account to which it is chargeable are as follow:—

ORDINARY AGRICULTURAL.

IRRIGATION.

Original Works.

Constructing a head sluice at the Patta Cuddapah tank supply channel	Rs. 4,100
Total	4,100

3. The following particulars of this channel are recorded:—

Length of channel	225	feet
Area of channel	1,440	sq. ft.
Assessment	1,440	sq. ft.
Expenditure during the previous four years	1,440	sq. ft.
Expenditure during the previous four years	1,440	sq. ft.

Expenditure during the previous four years Rs. 1,440, out of which Rs. 1,440 is now in progress.

The channel is situated in a low-lying and densely populated portion of the town of Cuddapah on its way to the Patta Cuddapah tank.

During the flood in October 1876, the banks of the channel were overtopped in several places and much damage done to the crops. The Patta Cuddapah tank was so much injured as to necessitate its reconstruction on an estimate of Rs. 1,000 sanctioned in G.O. No. 1,080, dated 1st May 1876. The Patta Cuddapah tank was also in considerable danger of being breached so much so that it was found necessary to release the means of surplus by forming a temporary escape. It is therefore considered necessary that a head sluice should be constructed to the channel at the north end of the Patta Cuddapah tank in order to control the supply passing into the channel, and for this purpose the District Engineer forwards a revised plan and estimate.

An estimate for repair of the tank bund, amounting to Rupees 9,500, has been sanctioned in G.O., No. 98 I, dated 20th June 1877.

The estimate is recommended for sanction and the following remarks should be attended to in carrying out the work:—

1st.—If there be sound rock $3\frac{1}{2}$ feet below sill level the foundations will not need to be 6 feet deep.

2nd.—The arrangement of the shutter platform was not clearly shown on the transverse section. It should be as indicated in pencil.

3rd.—The shutters should be supported by two iron bars to each vent. These bars should be $2\frac{1}{2}$ or 3 inches in diameter wrought iron, and should be placed 3 and 7 feet above sill. This modifies the instructions previously given.

4th.—The rear wings need not be, it would now seem, higher than 7½ feet, and probably 7 feet would suffice and the returns may be nearly 10 feet shorter than in the design. The bottom width of the channel should be increased gradually at from 1 in 10 to 1 in 6 if necessary—*Vote dotted lines on plan and survey at site.*

5th.—The rear wings should have the same face batter throughout as indicated in dotted lines on the plan.

No alteration of the tank surplus weirs should be made without due consideration of discharge data.

For St. George,
30th June 1877.

(Signed) G. T. WALCH,
Ag. Dy. Chief Engineer for Irrigation,
for Chief Engineer for Irrigation.

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

No. 63.

ORDER THEREON, 12th July 1877, No. 158 I.

The following estimate from the Cuddapah Range forwarded by the District Engineer, Cuddapah, is sanctioned:—

PATHA CUDDAPAH TANK, SUPPLY CHANNEL.

Head of Service.—Irrigation.

Group or Project.—Bogga River Irrigation.

Fund.—Ordinary Agricultural Irrigation.

Class.—Original Works.

Name of Tank, Canal or Channel.—Patha Cuddapah tank, supply channel.

Particulars of Work.—Head sluice.

Amount.—Rupees 4,140.

To be carried out by the Public Works Department Officer in charge Cuddapah Range.

2. This sanction has been registered as No. 92 I of 1877-78.

(True Extract.)

W. H. M. S. S. S.

Colonel, R.E.,

Joint Secy. to Govt., P.W.D.

Irrigation Branch.

To the District Engineer, Cuddapah.

Collector of Cuddapah.

Chief Engineer for Irrigation.

Examiner of Public Works Accounts.

Revenue Department.

For D. B. C. Shunkar.

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Revenue Department
No 3397

Office of the
Comptroller

23 July

23 July 1907

Comptroller
Board of Revenue
23 July 1907