Archives' I – 10,006—16-8 77.

(1) Number of pages 4

(2) Date of repair 28-3-86

(3) Initials of the Referencer [illegible]

TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

Revenue DEPARTMENT

G.O. No. / B.P. No.	1598	Press. / Mis.
Dated 19.6.1978		197 .

Not to be folded or roughly handled

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

11th June 1878, No. 481 I.

Irrigation.
Account.

Read the following papers :—

No. 32. From Captain A. AWDRY, R.E., Acting District Engineer, Coimbatore, to the Chief Engineer for Irrigation, dated Coimbatore, 17th April 1878, No. 13 CI.

I HAVE the honor to forward plan and estimate with specification for repairing the head-sluice of the Arkencottah channel which is out of order.

One plan.
One estimate, Rs. 1,216.
One specification.
(To be obligingly returned).

2. The plan having already been shown to you and having been drawn up in accordance with your instructions, I have authorised the commencement of the repairs in anticipation of your sanction, as the time available for carrying out the work is short, for water must be let down the channel at as early a date as possible.

3. While these repairs are being carried out certain modifications of the bed levels are also being effected, the sill of the head-sluice being raised 2·78 feet, which gives it a position of 4 feet below the crest of the anicut and gives the bed of the channel a fall of 1 foot per mile for the first $1\frac{3}{4}$ miles.

4. The following are the particulars of the channel :—

Acreage under channel	Acres	3,886
Assessment	Rupees	33,574
Average revenue last five years	,,	27,105
Highest do. do.	,,	27,511
Expenditure in last four years	,,	23,993

The high expenditure for repairs is owing to the surplus works for the Mungamary jungle stream not being effective. After the improvements to be made this year it is hoped that this channel will be far more profitable than it hitherto has been.

No. 31 CI.

IRRIGATION—MEMORANDUM.

THE undersigned has the honor, with reference to the letter No. 13 CI, of the 17th ultimo, from the District Engineer, Coimbatore, to say that the alterations estimated for to remedy the defects in the shutters and to place the sill on a proper level are more costly than is necessary. The alterations of the ends of the piers are approved, but to raise the sill it is necessary only to construct a wall as shown in pencil on the section, and no raised floor behind the sill is needed or any second wall and sloping apron beyond. The old flooring will be subjected to much less action than before and should be therefore ample, if hitherto stable, to meet all future requirements.

(Signed) JOHN MULLINS, Lt.-Col., R.E.,
Chief Engineer for Irrigation.

From Captain A. AWDRY, R.E., Acting District Engineer, Coimbatore, to the Chief Engineer for Irrigation, dated Coimbatore, 28th May 1878, No. 58 CI.

I HAVE the honor to inform you that I inspected the floor of the Arkencottah channel head-sluice when it was dry and found it in such bad condition that I had to order a new floor, and I thought in that case that it should be at the revised level.

2. As there was no time to wait owing to water being required in the channel, the work has, I fear, been already carried out in accordance with the plan submitted; it will be strong, but I much regret that it is more costly than you consider necessary.

No. 159 I.

No. 32-A. *Note by the Chief Engineer for Irrigation.*

THE Acting District Engineer, Coimbatore, forwards, with his letter marginally noted, an estimate in connection with the Arkencottah channel, situated in the Sathiamangalam Taluq, Irrigation Range.

No. 13 CI, dated 17th April 1878.
To District Engineer, No. 31 CI, dated 21st May 1878.
From District Engineer, No. 58 CI, dated 28th May 1878.

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.

Repairs.

Altering the vents and partly removing and rebuilding piers &c. of head-sluice of the channel		Rs. 1,216
Total ...		1,216

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

Ayacut area	Acres	3,886
Assessment	Rupees	33,574
Average revenue	,,	27,105
Highest do.	,,	27,511
Expenditure during the previous four years	,,	23,993

The estimate provides for alterations required to remedy defects in the arrangements—

1*st*.—The sill of the sluice is very much below the level of the bed of the channel for some distance down, and it is proposed to raise the sill to the level which will give a fall of 1 foot a mile in the upper part.

2*ndly*.—By some extraordinary mistake or stupidity, when the vents were fitted, some little time since, with new shutters and gear, the angle irons were placed inside the faces of the piers instead of in grooves within the piers, and the shutters were made too narrow to take any bearing on the piers. How such work could have been permitted or passed by the late Superintending Engineer it is difficult to understand. It was at first intended to provide new shutters, but it would have been difficult to fix the angle irons properly without pulling down much of the masonry, and so it was decided to endeavor to make the arrangements efficient in the way provided for in this estimate.

3. As the shutters were placed when the work was inspected in August last, they were liable to be carried away with their gear at any moment.

4. The work is reported to have been commenced in anticipation of the sanction of the estimate.

5. The following statement shows the proposed distribution of the outlay recommended for sanction :—

Head of Service—IRRIGATION.

Fund—ORDINARY AGRICULTURAL.

Name of System or Group.	Distinguishing Number or Letter of Group.	Name of Tank or Channel.	Description of Work.	Main Head.	Class.	Amount of each Item.	Amount to be separately accounted for.
Bhowany river irrigation.	Group 1, Section B.	Arkencottah channel.	Altering vents and partly removing and rebuilding piers, &c., of head-sluice of the channel	Irrigation.	Repairs ..	Rs. 1,216	Rs. 1,216

OOTACAMUND, 6th June 1878.

(Signed) JOHN MULLINS, Lt.-Col., R.E., Chief Engineer for Irrigation.

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

No. 33. ORDER THEREON, 11th June 1878, No. 481 I.

THE following estimate from the Irrigation Range, forwarded by the Acting District Engineer, Coimbatore, is sanctioned :—

Head of Service—IRRIGATION.

Bhowany river Irrigation, group 1 B.

Arkencottah Channel.

WORK.—Altering vents and partly removing and rebuilding piers, &c., of head-sluice of the channel—Repairs	Rs. 1,216

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

2. This sanction has been registered as No. 83 I of 1878-79.

(True Extract.)

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

(True Copy.)

Major, R.E., Under Secy. to Govt., P.W.D., Irrigation Branch.

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

Exd. T. D. Ryan.
Spare Copies

Received 1878 Despatch
No 2983.

IRRIGATION.
ACCOUNT.

Govt. of {1878} Madras.

PUBLIC WORKS.

To

THE DISTRICT ENGINEER,
COIMBATORE,
&c., &c., &c.

Dated June 11th.

Issued

Read. — 29 — Encl.

G. O., 11th June 1878, No. 481 I.

JUNE.

Nos. 32-33.

No 1598
Communicated to the
Board of Revenue

29 June 1878

Arkencottah Channel, Sattiamangalam Taluq, Coimbatore.—The estimate for certain works to the —, sanctioned.