Archives 1—10,000—6-10-76.

(1) Number of pages 4

(2) Date of repair 5.6.81

(3) Initials of the Referencer Cond

TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

Revenue DEPARTMENT

G.O. No. / B.P. No.	3251	Press. / Mis.
Dated	9.6.1877	197 .

DA
DA

Not to be folded or roughly handled

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

28th May 1877, No. 41 I.

Irrigation.

Account.

Read the following paper :—

No. 24 I.

No. 79. *Note by the Chief Engineer for Irrigation.*

No. 670, dated 19th April 1877.

The District Engineer, Tanjore, forwards with his letter marginally noted an estimate in connection with the Konampattanam Irrigation Channel, situated in the Sheally taluq, No. 2 or Mayaveram Range

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

CAUVERY DELTA SYSTEM.

Cauvery Section.

Revenue.

I. A.—Extensions and Improvements.

(3) Distributaries.

C. Works.

	Rs.
Constructing a syphon sluice or under-tunnel for the Konampattanam Irrigation Channel across the river Oopenaur	830
Total ...	830

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

Ayacut area	264 Acres.
Assessment	Not stated.
Average revenue	Do.
Highest do.	Do.
Expenditure during the previous four years	Do.

A temporary structure is at present used as an aqueduct for conveying the water of the Irrigation channel across the Oopenaur river; it is frequently injured or destroyed by floods, and consequently the supply being uncertain the extent of land cultivated by this means is only 86 acres. It is therefore proposed to construct a masonry "syphon" sluice or under-tunnel which it is anticipated will be the means of bringing a very considerable extent of land (178 acres) under cultivation in addition to that already cultivated, thereby adding Rupees 890 annually to the revenue.

The estimate is recommended for sanction, but the District Engineer should see that the following remarks and suggestions regarding the design of the work receive attention :—

(1.) According to maximum discharge (380 feet per second) given for the river the breadth of water-way in duct and therefore length of barrel of tunnel might be considerably reduced, but it is possible (it cannot be told from the plan) that the extra earth-work (banking) that would thereby be entailed would cost more than the saving in masonry.

(2.) The steps in the foundations are not advisable, a uniformly thick platform of concrete would be safer.

(3.) It will be advisable to raise springing of the arch 4 inches, flatten the arch to one-third the span giving it only 8 inches rise.

The abutments should then be made 2 feet thick and be carried up to crown of arch, the half spandrils being filled in solid.

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

FORT ST. GEORGE,
15th May 1877.

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

No. 80. ORDER THEREON, 28th May 1877, No. 41 I.

THE following estimate from the No. 2 or Mayaveram Range forwarded by the District Engineer, Tanjore, is sanctioned :—

KONAMPATTANAM IRRIGATION CHANNEL.

Head of Service.—*Irrigation.*
Group or Project.—Cauvery Delta System, Cauvery Section.
Fund.—Revenue.
Class I. A.—Extension and Improvements.
Main-head.—(3), Distributaries.
Sub-head.—C, Works.
Name of Channel.—Konampattanam Irrigation Channel.
Particulars of Work.—Under-tunnel.
Amount.—Rupees 830.
To be carried out by the Public Works Department Officer in charge No. 2 or Mayaveram Range.

2. This sanction has been registered as No. 53 I of 1877-78.

(True Extract.)

Lieut.-Col., R.E.,
Joint Secy. to Govt., P.W.D.,
Irrigation Branch.

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

Exd. E. C. Shunker.
Spare Copies

3257 IRRIGATION.
ACCOUNT.

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PUBLIC WORKS.

No. 2847

To

THE DISTRICT-ENGINEER,
TANJORE.

, &c., &c., &c.

Dated May 28th.

Issued

Recd. June 8: Encl.

G. O., 28th May 1877, No. 41 I.

MAY.

Nos. 79-80.

Konampattanam Irrigation Channel, Tanjore District.—The estimate of Rupees 830 for constructing an under-tunnel for the —, sanctioned.

No. 3251.
Comm.d to the
Board of Revenue
9: June/77.

Rec.d 5th July Revenue (11-6-77)