

(1) Number of pages 4
(2) Date of repair 6.3.70
(3) Initials of the Referencer _____

TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

Revenue DEPARTMENT

G.O. No.	774	Press.
B.P. No.		Mis.
Dated	10.2.1977	197 .

Not to be folded or roughly handled

Read the following :—

No. 87 W.

No. 155. *Note by the Chief Engineer for Irrigation.*

THE District Engineer, North Arcot, forwards, with his letter marginally noted,
an estimate in connection with the
No. 1,235, dated 19th July 1876. Ammanancooppam Tank, situated in the
Goodiattum Taluq, No. II or Chittoor 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.

Original Works.

Constructing a masonry escape	Rs. 265
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Repairing the bund...	Rs. 865
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Total	Rs. 1,130
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3. The following particulars of this tank are recorded :—

Ayacut area	Acres 64
Assessment	Rupees 436
Average revenue	Rupees 473
Highest do.	Not stated.
Expenditure during the past four years	Nil.

The area of the catchment basin is 1 square mile, the maximum flood supply is
calculated at 675 cubic feet per second, for discharging which as surplus there is a
cody or cut at the end of the bund 34 feet in length, which is in an ineffective condi-
tion. It is proposed to construct a masonry escape 100 feet in length. The estimate
also provides for raising and strengthening the bund, which is rather low at both ends.
The surplus of this tank crosses the line of railway at 96 miles 16 chains.

4. When escapes whose crests are at the level of the ground are provided it is
desirable that a section of the line of outfall should be given, extending for at least
a couple of 100 feet from the tail of the apron. The stability of these works, which
are usually provided with slight aprons, turns almost entirely on the degree of slope
of the ground outside and its character.

The provision for the discharge of surplus would be decidedly excessive suppos-
ing the area of the catchment basin to be correct; but it is probable that it has
been under-estimated, seeing that it is unusual for 69 acres to be irrigated in country
like the Goodiattum Taluq from the drainage of 1 square mile. With the long escape
a margin of 2 feet above M. W. L. will be ample, and the bund may be brought
therefore to a uniform level of $3\frac{1}{2}$ instead of $4\frac{1}{2}$ feet above F.T.L., which will effect
a considerable reduction in the earthworks.

The estimate, subject to the above modification, is recommended for sanction.

FORR ST. GEORGE,
30th January 1877.

(Signed) A. DE C. SCOTT, Major, R.E.,
Deputy Chief Engineer for Irrigation,
for Chief Engineer for Irrigation.

To the Secretary to Government, Public Works Department.

No. 156. ORDER THEREON, 5th February 1877, No. 394.

IRRIGATION, No. 15.

Account.

The following estimate from the
No. 2 or Northern Range, forwarded
by the District Engineer, North Arcot,
is sanctioned:—

AMMANANCOOPAM TANK.

Irrigation.

Group or Project.	Fund.	Class.	Name of Tank, Canal or Channel.	Particulars of Work.	Amount.
	Ordinary Agri- cultural, irri- gation.	{ Original Works. Repairs }	Ammanancooppam Tank.	1. Constructing a ma- sonry escape 2. Repairing the bund.	Rs. 265 865
				Total	1,130

To be carried out by the Public Works Department Officer in charge No. 2 or Chittoor Range.

2. This sanction has been registered as No. 298-I. of 1876-77.

(True Extract.)

W. H. L. S.

Lieut.-Colonel, R.E.,

Secretary to Government.

To the District Engineer, North Arcot.

- „ Collector of do.
- „ Chief Engineer for Irrigation.
- „ Examiner of Public Works Accounts.
- „ Revenue Department. ✓

Etd. E. C. Shunker.

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✓

Rev. 1877, Sept.
Supt. of 1877, Public Works.

PUBLIC WORKS.

No. 1181

To

The DISTRICT ENGINEER,
NORTH ARCOT.
&c., &c., &c.

Dated February 5th.

Issued

Recd. 9 Febry.

Exd.

G. O., 5th February 1877, No. 844.

FEBRUARY.

Nos. 155-158.

Communicated to
the Board of Revenue

10 Feb 77.

Ammanacoppam Tank, North Arcot
District.—The estimates amounting to
Rupees 1,120, for constructing a masonry
escape to, and repairing the bund of the —,
sanctioned.

M. D. Over