

C/11/10446

Public Works (1396) Department.

G.O., No. 996 J.

DATED 25th November 1896.

1/11

[Despatch Abstract.]

Kothamangalam Tank

Estimate of Rs 4060 for improving —, in
the Trichinopoly D^o, sanctioned.

1/11

TC.
25/11.

INDEXED

26/11

[illegible][illegible]

Government (1896) of Madras.
PUBLIC WORKS.

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NOVEMBER.

Estimate of Rs. 4,060 for improving —, in the Trichinopoly division, sanctioned.

**Irrigation.
Account.**

ENCLOSURE.

similar to that of the new anicut and built in a line with it, the whole surface being grouted and pointed. A new wing will also be built on the left flank of the old anicut and joined on with the new head sluice.

Ed. Shaik Karim

no 996 I of 25th November 1896.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Supp

Under date the

Read the following

From Supp. Inf. R. C. Arch. N. 1647 T.C. 47. Oct. 196

The following estimate is sanctioned:-

Irrigation
43 minor works & repairs
which Capital not Rev.

Accounts are kept, P.W.D.

Original works.

Improving Kothamangalam tank, No 193 of list of works in the Trichinopoly District appended to G.O. No 407. J, of 6 July 1896. Estimate Rs 4060

2. This sanction is registered as N. 140 I of 1896-97.

W.H.
24/11

JH
17/10
96

W.H.
16/11

J. The Chief Insp. for P.
Supp. Inf. R. C. Arch. N. 1647 T.C. 47. Oct. 196
S. P. W. 2

10/11/96

CRJ
9-10-96
Public Works (189 6) Department.

CURRENT No. 10446

Order

From

R 5972
The Supt Engineer
Madras.

No. 16477c.

Dated 7th October 1996

Received *5-11-96*

Enclosures *5-12 (5 plans)*

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SUBJECT.

No 193, Kothamangalam
Periyapulam Sanks:-

Submits for sanction
an estimate of Rs 4060 for
improving in the
channopoly drainage.

C.E. S/o Clerk

BR

7/10/96

S. S. S.

7/11/96

9/11/96

[illegible][illegible]

The tank no. 193 in the list of Imperial works is the terminal tank of a group and affects the South Indian Railway. It has an extent of 284 acres yielding a revenue of Rs 426; it is partly supplied by local drainage but chiefly from an adjacent 90 feet long across a jungle stream called Punijapur draining 58 square miles.

2. The supply channel taking off the jungle stream on the left flank has an open head and in floods discharges enormous quantity often causing breaches in the banks; in fact the channel and tank were very badly breached in 1893. These breaches were closed on an estimate of Rs 1250- sanctioned by this office. As the tank affects the Railway and as the whole system is in an unsafe condition, it is considered necessary to put into efficient order and with this object the following improvements have been esti-

-mated

needed for:-

- (a) To construct a head sluice at the head of supply channel.
- (b) To extend the existing anicut on the right flank and to form a flood bank; also to improve the old anicut.

(c) To raise and strengthen the tank bund with a top width of 4 feet and side slopes $1\frac{1}{2}:1$, having a margin of 4 feet above mean water level.

- (d) To level the ground on the right flank of the tank to form byewash.

3. In regard to details of the work the area of the whole basin to be considered is 59 square miles. By the construction of the sluice at the head of the supply channel, the basin of Kothamangalam Periyakulam tank is separated. Its area is 7.06 square miles of which 3.81 square miles are intercepted by 5 small tanks, the remaining drainage area of the stream to be dealt with is 50.96 square miles and of this 0.98 is free basin. Taking 500 as the coefficient and with Ryves' formula, the surplus discharge to be provided for would be 56.96 C.F.S. Allowing 4 feet depth of water the existing anicut 90 ft long would

* Combined basin 50.96
and free - 0.98
 $D = 500 \sqrt{(50.96)} = 100 \sqrt{(49.96)}$
 $= 6870 - 1174 = 5696$
C.F.S.

Discharge over
anicut with a
head of 4 ft = 2211
- or - the 2 new
each 9 ft long &
head $7\frac{1}{2}$ ft = 405
2616

discharge 2616 C.F.S. and for the balance viz 3197, a further length of 120 ft has been proposed. The old anicut is of very rough rubble and of irregular level, it will be improved by building a cut-stone crest. The apron in rear will be widened by $1-10\frac{1}{2}$ and protected by a retaining wall similar to that of the new anicut and built in a line with it, the whole surface being grouted and pointed. A new wing will also be built on the left flank of the old anicut and joined on with the new head sluice.

4. As regards the tank, vide hydrographic details accompanying, no new masonry weir is required; all that is wanted is a byewash 150 ft long, for which the ground on the right flank will be levelled off. There are 3 masonry sluices requiring only trifling repairs. The tank's maintenance is also in fair order as it has been lately repaired on the estimate referred to in para 2 of this report.

5. The rates are fair and the estimate is recommended for early sanction.

W. Hayter

12.7.96 Superintendent

ad

m
a)
the
(b)

(c)

No. 16477c

OFFICE OF THE SUPERINTENDING ENGINEER,
6TH CIRCLE,

Trichinopoly, 7th October 1896

From Lt Col. O. V. Boddy R.E.
The Superintending Engineer,
6th Circle.

To

The Chief Engineer.

SIR,

for Irrigation

ENCLOSURES 5

I have the honor to submit

1. Site Survey for sanction an estimate
1. Plan of sections of Binge. of Rs 4000 for improving
- per stream. No. 193 Kothamangalam
1. Long & cross section of tank bund. Periyakulam tank in the
1. Tracing plan of am. Trichinopoly Taluk.
- cut & H.D. Line Combined 2. The estimate has
1. Estimate with report & been fully gone into &
- Complete also agent revised by the Supergr.
- stake. It has been also Comdr.

- signed by the Collector.

3. A statement showing the 5 years actual revenue collected under the tank is also forwarded.

I have the honor to be,
Sir,
Yours most obedt. Servant.
O. V. Boddy Lt Col. R.E.
Superintendent, Irrigation

P. W. D. 6th CIRCLE,

FROM
THE SUPERINTENDING ENGINEER,
6th CIRCLE,

TO
THE CHIEF ENGINEER,

NO.

Dated.

Received.

189 .

Enclosure.

14. Deputy Director of Horticulture,
Tiruchirappalli, Report, dated: 21st September,
1992.

Horticultural Crops:		
Sl.No.	Crop	Tonnes
1.	Banana	40-50
2.	Mango	10-20
3.	Guava	25-00
4.	Sapota	12-25
5.	Acid lime	20-28
6.	Jack	30-40
7.	Pomegranate	20-25
8.	Cashew	750-1000 kgs./ha.
Vegetables:		
1.	Tomato	28-50
2.	Brinjal	20-30
3.	Chillies	2-00 - 2.5 Dry pods
4.	Bhendi	7-10
5.	Courds	15-20
6.	Onion	30-40 Irrigation
7.	Tapioca	15-20 Rainfed
8.	Turmeric	25-30

Spices:

Yield Per Hectare:

Horticultural Crops: