

(1) Number of pages _____

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(3) Initials of the Referencer _____

MADRAS RECORD OFFICE

Government of Madras

Public Works DEPARTMENT

G.O. No.	3557	Press
B.P. No.		Mis.
Dated	27-12	6876
		195

Not to be folded or roughly handled

12

*Proceedings of the Madras Government, Public Works Department,
27th December 1876. No. 3,551.*

Read the following:—

No. 308 W.

No. 599. *Note by the Chief Engineer for Irrigation.*

THE Superintending Engineer, Coimbatore, forwards, with his letter marginally noted, an estimate in connection with the Davambody channel, situated in the Pollachy Taluq, Coimbatore 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.

<i>Repairs.</i>						RS.
Repairing the anicut...	...	...	...	...	...	1,590
<i>Original Works.</i>						
Constructing head sluice	...	...	...	...	...	410
Total						2,000

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

Ayacut area...	...	...	...	...	Acres 203	} Under tank.
Assessment ...	...	...	...	...	Rupees 1,114	
Average revenue	...	...	...	...	...	Not stated.
Highest do.	...	...	...	...	...	Not stated.
Expenditure during the previous four years ...						213 Rupees for the repairs of anicut in 1875-76.

The area of the catchment basin is—square miles; the maximum flood supply is calculated at — cubic feet per second, for discharging which as surplus there is

The Davambody anicut was breached by floods caused by the heavy rains of 1876. The anicut is an old work, and is situated about 6 miles from Pollachy across a jungle stream. A portion of the anicut is well-founded on rock, the remainder, for the want of proper foundations, was breached to the extent of about 80 feet. It is proposed to reconstruct the part of the anicut carried away on a new line affording a better foundation, maintaining the present crest level. The apron should be grouted in with concrete.

3. The anicut is the means of supplying a channel 1 mile and 90 yards in length, which in turn supplies the Davambody tank. The fall of the channel per mile is 1.15 feet. It is proposed to build a wall across the channel with two vents, each 5×5.75 feet. This structure is meant to serve as a regulator by obstructing the flow during high floods. Apparently the apertures at maximum flood level will discharge more than the channel can carry at full supply level, but without a knowledge of the sectional area of the channel and its hydraulic mean depth, the extent to which the channel water will head up cannot be determined. On this depends the utility of the wall, and it would be as well to solve the question before building it.

Proceedings of the Madras Government, Public Works Department,
27th December 1876. No. 3,551.

It is considered that to be of any material use the vents should not be more than 4 feet high. The estimate provides for reconstructing the anicut and constructing a head sluice.

The estimate is recommended for sanction.

FORT ST. GEORGE,
20th December 1876.

(Signed) A. DEC. SCOTT, Major, R.E.,
Dy. Chief Engr. for Irrigation,
for Chief Engr. for Irrigation.

To the Secretary to Government, Public Works Department.

No. 600. ORDER THEREON, 27th December 1876, No. 3,551.

IRRIGATION, No. 44-B.
Account.

THE following estimate from the Coimbatore Range, forwarded by the Superintending Engineer, Coimbatore, is sanctioned:—

DAVAMBODY CHANNEL.
Irrigation.

Group or Project.	Fund.	Class.	Name of Tank, Canal, or Channel.	Particulars of Work.	Amount.
	Ordinary Agricultural.	Repairs	Davambody Channel.	1. Repairing the Anicut	Rs. 1,590
		Original Works ..		2. Head Sluice	410

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

2. This sanction has been registered as No. 231—I. of 1876-77.

(True Extract.)

Major-General, R.E.,
Secretary to Government.

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

Exd. S. T. Austin.
Spare Copies

E. I. Form No. 9.

OFFICE OF THE CHIEF ENGINEER
FOR IRRIGATION,

Fort St. George 20 December 1876.

No. 308-W.

Note by Chief Engineer for Irrigation.

Enclos. 7
No. 80 C.S.
Dated 18th
Oct. 76.

THE Superintending Engineer, Coimbatore forwards, with his letter marginally noted, an Estimate in connection with the Davambody Channel, ~~Tank~~ situated in the Pollachy Taluq, Coimbatore 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
Repairs
Repairing the anicut Rs. 1590
Original Works
Constructing Head Sluice 410.
Total Rs. 2000

3. The following particulars of this Tank are recorded—

Ayacut area. — 203 Acres. } under Tank.
Assessment. — 1104 Rupees.
Average revenue. — Not stated.
Highest do. — Not stated.

Expenditure during the previous four years. 213 Rupees for the repairs of anicut in 1875-76.

The area of the catchment basin is square miles; the maximum flood supply is calculated at cubic feet per second for discharging which, as surplus there is

The Darambary anicut was breached by floods caused by the heavy rains of 1876. The anicut is an old work and is situated about 6 miles from Pollachy across a jungle stream. A portion of the anicut is well founded on rock the remainder for the want of proper foundations, was breached to the extent of about 80 feet. It is proposed to reconstruct the part of the anicut carried away on a new line affording a better foundation, maintaining the present crest level. The apron should be grouted and with concrete.

The anicut is the means of supplying a channel, 1 mile & 90 yards in length, which in turn supplies the Darambary tank. The fall of the channel per mile is 1.15 feet. It is proposed to

build a wall across the channel with 12.76 two piers each 5x5.75 feet. This structure is meant to serve as a regulator by obstructing the flow during high floods. Apparently the apertures, at maximum flood level will discharge more than the channel can carry at full supply level, but without a knowledge of the sectional area of the channel and its hydraulic mean depth, the extent to which the channel water will head up cannot be determined. On this depends the utility of the wall and it would be as well to solve the question before building it. It is considered that to be of any material use the vents should not be more than 4 feet high. The estimate provides for reconstructing the anicut and constructing a head sluice.

The estimate is recommended for sanction.

Ans. Scott.

Major R.R.

The Secretary to Govt.
Public Works Dept.

Sy. Chief Engineer for Irrigation
for Chief Engineer for Irrigation

1876 P.W.D.
CODE 076

from NA 2050
The Chief Engineer for Irrigation

Decd 20 3 Dec 1876.
Despt 20

Encl 7

N. 308-W.

Davaumbady Channel -
Combatore District. - The
recommending for sanction,
estimate for Rs. 2000 for repairing
& constructing Head Sluice for
the —

Cor 21-12-76.

E. I. Form No. 4.

¹⁴⁹² sent
No. 3557 of 17.12.76
Pro of the Madras Govt
Lead the following
From the Chief Engineer for Irrigation (H.E. No. 308 W of 20 Dec 76)

The following Estimate from
the Combatore Range
forwarded by the ^{Supr.} District Engineer,
Combatore is sanctioned:—

Davaumbady ~~Tank~~
Channel.

Irrigation.

Group or Project.	Fund.	Class.	Name of Tank, Canal, or Channel.	Particulars of Work.	Amount. Rs.	
	Ordinary agricultural	Repairs	Davaumbady Channel	1 Repairing the ancient	1590	To be carried out by the P. W. Department Officer in charge <u>Combatore</u> Range.
		Original Works		2 Head Sluice	410	

S. I. Combatore
Collector of do
Ch. for Irrig with 7 En
S. P. H. A.

This sanction has been registered as No. 231. I. of 1876-77.

CT:J

Revenue Dept.

25-1-77

Amul

9289

Govt. of 1876 Madras.

PUBLIC WORKS.

To

The Supd Eng^r Chintalapudi

Dated

Issued

Recd.

Encl.

G. O. 27th Dec^r 1876, No. 3551

Nos. 599/600

*Agambody Channel
Construction Est —*

*Amount of Rs 200 for
repairs and additions
to the — Junction —*

Est in B. G.

Cs 21-12-76