

(1) Number of pages 4.
(2) Date of repair 18. 10. 82
(3) Initials of the Referencer _____

TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

Revenue DEPARTMENT

G.O. No.	336.	Press.
B.P. No.		Mis.
Dated		7. 2. 1828. 197.

Not to be folded or roughly handled

GOVERNMENT OF MADRAS.
PUBLIC WORKS DEPARTMENT.

25th January 1878, No. 70 I.

Irrigation.
Account.

Read the following papers :—

No. 72. From Captain R. R. E. BROCKMAN, R.E., District Engineer, Tanjore, to the Chief Engineer for Irrigation, dated Tanjore, 18th December 1877, No. 2,159.

I HAVE the honor to forward herewith, for the sanction of Government, the estimates marginally noted, with plans, for providing screw shutters in lieu of the existing baulk shutters for the sluices of the Upper and Lower Coleroon Anicuts which are included as Items 3 and 4 in the Irrigation Budget, Part III of 1878-79, submitted from this office on the 7th November 1877.

2. The principles upon which the shutters are intended to work are similar to those of the shutters provided for the Terumulrajanur regulator, sanctioned in G.O., No. 374 I, dated 4th October 1877.

3. I have the honor to request that sanction may be accorded for setting the shutters in hand at once, either at the Dowryishweram or Madras Workshops, so that they may be ready for fixing by the end of April at latest.

No. 72-A.

Note by the Chief

Engineer for Irrigation.

THE District Engineer, Tanjore, has submitted estimates for providing the under-slucies of the Upper and Lower Coleroon with shutters to be regulated by screw gear in supersession of the needle valves, which are clumsy and not capable of being regulated with facility to suit the varying water levels in the river.

2. The arrangement suggested by Captain Brockman is likely to prove a good one. The shutters when down are level with the crest of the anicut, and the grooves are slightly higher but project from the walls of the vent. The shutter when raised clear of the groove swings on its up edge, and thus a free water-way can be secured without the great length of screw tracings however submitted by the District Engineer do not show the details sufficiently clearly, and some of these need modification—

1stly.—The cast-iron grooves must be tenoned into a sill stone at the lower end and must be well secured at the upper end by a flange entering one foot at least into the masonry and fixed with cement or lead.

2ndly.—For the screw rod immediately above the level of the top of the shutter when raised so as to clear the groove a cross bar to keep the rod exactly in position must be provided. This bar must be amply strong and should be of iron.

3rdly.—The shutter must not depend upon the screw rod only when free of the grooves, but must have projecting trunnions to keep it in its proper position. For these trunnions there should be a groove in the side walls and a metal bearing at the top of the groove.

With these modifications the estimates may be considered well. The estimates may be considered, and be sanctioned for entry in the Budget with allotments of 6,000 rupees respectively, and the details should be further considered and details prepared when such revision of the amounts as may be found necessary is effected and final sanction accorded. The particulars will be—

CAUVERY DRAINAGE SYSTEM.

CAPITAL EXPENDITURE.

Head Works.—Upper Coleroon Anicut.

C. Works.—Improving under-sluices.

Amount of Estimate... Rupees 11,580

ORDINARY AGRICULTURAL.

Lower Coleroon Anicut.

Work.—Improving under-sluices.

Amount of Estimate... Rupees 8,720

CAMP, GODAVERY,
Western Delta,
9th January 1878.

(Sd.) JOHN MULLINS, Colonel, R.E.,
Chief Engineer for Irrigation.

To the Joint Secretary to Government,

Department, Irrigation Branch.

No. 73. ORDER THEREON, 25th

January 1878, No. 70 I.

The following approximate estimate sanctioned for entry in the Budget of 1878-79:—

I.—CAPITAL EXPENDITURE.

Cauvery

System.

Improving the under-sluices of the

Coleroon Anicut... Rupees 11,580

II.—ORDINARY EXPENDITURE.

Lower Coleroon

Anicut.

Improving the under-sluices

... Rupees 8,720

The details of the work should be submitted with reference to the remarks of the Chief Engineer for Irrigation, and when matured revised estimates should if necessary be submitted.

2. These sanctions have been registered Nos. 332 and 333 I of 1877-78.

(Tr)

(t.)

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

To the District Engineer, Tanjore.

Collector of Tanjore.

Examiner of Public Works Accounts.

Revenue Department.

Chief Engineer for Irrigation.

Exd. S. T. Austin.

Spare Copies

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7005
IRRIGATION
ACCOUNT

Obt. of (1878) Madras.
PUBLIC WORKS.

To
The DISTRICT ENGINEER,

TANJORE,

Esq., Esq., &c.

Dated January 25th.

Issued

Recd.

6 Feb.

Encl.

G. O., 25th January 1878, No. 70 L.

JANUARY.

Nos. 72-73.

Upper and Lower Coleroon Amlak, Tanjore
District. — Sanction for entry in the Budget
of 1878-79 approximate estimates for im-
proving under sluices of the

N 336
Comm. to the
Board of Revenue
7 February 78

11 Feb. 1878
Rev. Secy. to Govt.