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TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

REVENUE DEPARTMENT

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2881

GOVERNMENT OF MADRAS.
PUBLIC WORKS DEPARTMENT.

7th November 1878, No. 904 I.

Irrigation.
Account.

Read the following paper:—

No. 46. From Lieutenant-Colonel J. N. HUNTER, R.E., District Engineer, Cuddapah, to the Chief Engineer for Irrigation, dated Cuddapah, 2nd August 1878, No. 1,092.

I HAVE the honor to forward for approval and early sanction an abstract estimate with other papers as per margin, amounting to Rupees 1,020, for repairing the bund and constructing waste weir to Bestavamala Yerracheroovoo in the Jammulamadugu taluk. The necessity of the work is fully explained in the report mentioned in above.

One Specification.
" Report.
" Ayacut Statement.
" Cross Section of Bund.
" Section.
" Plan.

No. 310 I.

No. 46-A. *Note by the Chief Engineer for Irrigation.*
THE District Engineer, Cuddapah, forwards with his letter marginally noted an estimate in connection with the Bestavamala Yerracheroovoo tank situated in the Jammulamadugu taluk, Cuddapah range, latitude 15° 0' 0" N., longitude 78° 21' 20" E.
2. The nature of the work proposed for execution and the heads of account to which it is chargeable are as follow:—

ORDINARY AGRICULTURAL.

IRRIGATION.

Original Works.		Rs.
Constructing a masonry weir	...	210
Repairs.		
Repairing bund, closing breaches and repacking the revetment	...	810
Total	...	1,020

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

Ayacut area	...	Acres	60	{	Circar	29
					Inam	31
Assessment	...	Rupees	530	{	Circar	251
					Inam	279
Average revenue	...	"	394	{	Circar	230
					Inam	164
Highest "	...	"	1,035	{	Circar	662
					Inam	373
Expenditure during the previous four years	...	Rupees	35			
Average cultivation per square mile of catchment basin	...	= Acres	29.7			

The area of the catchment basin is 1.5 square miles; the maximum flood supply is calculated at 476 cubic feet per second, for discharging which as surplus there is a rough stone escape 82 feet in length; it is now proposed to construct a masonry weir 96 feet long to replace the existing escape.

The bund of this tank composed of black cotton soil is low and weak and was breached in two places during the rains of June 1877; the breaches were subsequently closed, and the cost forms an item of the estimate under review. The revetment is in disorder and needs repacking.

The estimate provides for —

1st.—Constructing a masonry weir.

2nd.—Closing breaches, sectioning and raising the bund to a uniform height of 3 feet above F.T.L., or 1.75 feet above M.W.L., with a top width of 4.5, and water and land slopes of 1 to 1 and 2 to 1 respectively, repacking the revetment and gravelling the top, land slope, and unrevetted portion of the water slope 3 inches thick.

The necessity for converting the existing rough stone escape into a masonry weir at a cost of Rupees 210 is not clear, especially as there appears to be a natural escape of about 150 feet in length at the other end of the bund, and this work cannot therefore be recommended for sanction without further explanation.

The following statement shows the proposed distribution of the outlay recommended for sanction to the debit of the several heads of account involved:—

HEAD OF SERVICE.—IRRIGATION.
Fund—Ordinary Agricultural.

Name of System or Group.	Distinguishing Number or Letter of Group.	Name of Tank or Channel.	Description of Work.	Main Head.	Class.	Amount of each Item.	Amount to be separately accounted for.
Isolated tank.		Bestavamala Yerracheroovoo.	Repairing bund, closing breaches and repacking revetment.	Irrigation.	Repairs ..	Rs. 810	Rs. 810

PORT ST. GEORGE,
29th October 1878.

(Signed)

P. MONTGOMERIE, Major, R.E.,
Ag. Dy. Chief Engineer for Irrigation,
for Chief Engineer for Irrigation.

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

No. 47.

ORDER THEREON, 7th November 1878, No. 904 I.

The following estimate from the Cuddapah Range, forwarded by the District Engineer, Cuddapah, is sanctioned:—

HEAD OF SERVICE.—IRRIGATION.
Bestavamala Yerracheroovoo.

Work—

Repairing bund, closing breaches and repacking revetment, Repairs .. Rs. 810
Total... Rs. 810

To be carried out by the Public Works Department Officer in charge, Cuddapah Range.
2. This sanction has been registered as No. 226 I of 1878-79.

(True Extract.)

Sanctioned

Lt.-Col., R.E.

Joint Secy. to Govt., P.W.D.,
Irrigation Branch.

To the Superintending Engineer, Second Circle.
" Collector of Cuddapah.
" Chief Engineer for Irrigation.
" Examiner of Public Works Accounts.
" Revenue Department.

Exd. E. C. Shunkar.
Spare Copies

Revenue Depart.
No 5177.
IRRIGATION.
ACCOUNT.

Gobt. of (1878) Madras.
PUBLIC WORKS.

To

THE SUPERINTENDING ENGINEER,
SECOND CIRCLE,
&c., &c., &c.

Dated November 7th.

Issued

Recd. *23d Nov.* Encl.

G. O., 7th November 1878, No. 904 F.

NOVEMBER

Nos. 46-47.

N. 2881
Comm? to the
Board of Revenue.
25 hoops.

Deikaramala Verracheru Tank, Cuddalore
District.—Estimate of Rupees 1,020 for
repairs to the — sanctioned.

to Sub. P. O. and P. O. of Cuddalore, 26 Nov