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TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

Revenue DEPARTMENT

G.O. No.	365	Press.
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Dated		197 .

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365

GOVERNMENT MEMORANDUM.
PUBLIC WORKS DEPARTMENT.

30th January 1901.

Read the following paper:—

No. 99. *Note by the Chief Engineer for Irrigation.*

THE District Engineer, Cuddalore, with his letter marginally noted, estimate in connection with the Adoo Goram Cheroovoo Tank, situated in the Royachooty Taluk, Madanapalle Range. Latitude 14° 1' 0" longi-
No. 1,529, dated 13th October 1876.
" 2,549, " 9th February 1877
" 1,855, " 26th October " 78° 38' 0".

2. The nature of the work proposed and the heads of account to which it is chargeable are as follow:—

ORDINARY.

	I	RS.
	Ori	510
Extending the weir, &c.		...
Reconstructing an irrigation sluice..		190
Closing the breach, repairing the packing the revetment		880
with half new stones		...
Total	...	1,580

3. The following particulars of recorded—

Ayacut area	...	{Circar 23}	Acres.
	...	{Inam 6}	
Assessment	...	{Circar 143}	Rupees.
	...	{Inam 68}	
Average revenue	...	{Circar 106}	"
	...	{Inam 50}	
Highest do.	...	{Circar 137}	"
	...	{Inam 67}	
Expenditure during the prev.	...	Nil.	

The area of the catchment basin... the maximum flood supply is calculated at 991 cubic feet per second... which as surplus there is a rough stone escape 23 feet in length

This tank was breached during October 1874, and the cause is attributed to insufficient water-way for the surplus. It is in consequence proposed to convert the escape into a weir and extend it 49 feet, so as to make an aggregate length of 72 feet, available for surplus waters.

The high and low level sluices were away at the time the tank breached. It is proposed to construct a masonry head, and cistern with a vent two feet square which is considered most efficient.

There are 13 Dassabundam tanks like this tank. It is stated the whole of these tanks are provided with bunds, but the bunds of all but two are out of order and need strengthening.

The estimate provides for clearing the bund, raising and repairing the bund, repacking the revetment with boulders, reconstructing an irrigation sluice, converting the escape into a weir, and the construction of a masonry body wall, and extending the weir by an additional 49 feet. There has been correspondence about the design of the extension, compared with the revenue of the tank. Objection was taken to the design of instability. The foundations of the wing wall, as indicated on CS 13a, are very insecure, and it is more than probable that the aprons on sections 13 and 13a would give way. It is stated that there are large boulders at the other end of the old escape, and such being the case the best method is to lay down a bed of good sized stone at a slope of about 4 to 1 from the top of the crest wall to the ground level in rear, and to cover this with boulders, commencing of course from the bottom. This arrangement has been shown in pencil on CS 13a. There is nothing to show that the crest wall will be founded at a safe depth below original ground level. It looks as if it were to be built on the made earth of the bund, which will not do. The foundations must be at least 2 feet below the base of the dry stone apron.

It is observed that the amount of estimates submitted are more than ten times the average revenue. The head some portion of the sluice have been carried out as famine relief work, these circumstances the estimates are recommended for sanction, thought all clear that it was desirable to retain a tank in the basin of 4 square miles there are 13 other tanks, while it can hardly be worth the large outlay put it in order.

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

HEAD—IRRIGATION.
For Agricultural.

Name of System or Group.	Distinction Number or Letter of Group.	Name of Tank or Channel.	Description.	Made Head.	Class.	Amount of each item.	Amount to be separately accounted for.
...	...	Galivadoo Goram Cheroovoo Tank.	E. R. C. L.	Irrigation.	Original Works	Rs. 510	Rs. 510
					Repairs	190	1,070
					Do.	880	

FORT ST. GEORGE,
18th January 1878.

To the Joint Secretary to Government,

NTGOMERIE, Major, R.E.,
Dy. Chief Engr. for Irrigation,
for Chief Engr. for Irrigation.

Department, Irrigation Branch.

No. 100. ORDER THEREON, 30th JANUARY 1878, No. 90 I.

The following estimates from the May Range, forwarded by the District Engineer, Cuddapah, are sanctioned:—

HEAD OF SERVICE.

Galivadoo Goram Tank.

Work	Rs.
Extending the weir—Original	510
Reconstructing irrigation sluice	190
Closing breach, repairing bund, and revetment with half new stones—Repairs	880

To be carried out by the Public Works Officer in charge, Madanapally Range, so far as not carried out by agency.

2 These sanctions have been registered 10 I of 1877-78.

(T)

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

To the District Engineer, Cuddapah.
" Collector of do.
" Chief Engineer for Irrigation.
" Exar of Public Works Accounts.
" Revenue Department.

Exd. S. T. Austin.

Spare Copies

Revenue Department
No 569
IRRIGATION
ACCOUNT.

Govt. of (1878) Madras.
PUBLIC WORKS.

THE DISTRICT ENGINEER,
CUDDAPAH.
Sd/- Sd/- Sd/-

dated January 30th.

8 February End.

C. O. 30th January 1878, No 49 L.

JANUARY.

Nos. 99-100.

Col. Major Govan Chinnappa Tank, Cudda-
pah District. Sanctions estimates for
certain works to the

No 365
Comm^d to the