

(1) Number of pages_____

(2) Date of repair_____

(3) Initials of the Referencer_____

MADRAS RECORD OFFICE

Government of Madras

Public Works

DEPARTMENT

G.O. No.	2193	Press
B.P. No.		Mis.
Dated	28-7-	1875
		195

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
23th July 1875.*

No. 786.

Read the following :—

No. 785.

MEMORANDUM.

No. 20, 5th June 1875.

The following estimates have been submitted by the District Engineer, Salem :—

1. Achittapully Tank, Rupees 775.

Ayicut Area	...	...	...	...	...	...	...	...	...	Acres	41
" Assessment	...	...	...	...	...	...	...	...	...	Rs.	218
Average Revenue	...	...	...	...	...	...	...	...	...	"	160

No repairs have been recently executed.

The tank breached in 1870 at the sluice, destroying the latter. Usually when such accidents occur they are due to the bund being worn down close to the sluice by the villagers, and consequently it is to their neglect to attend to the safety of the tanks on the setting in of the rains that damage is due. A breach should never be allowed to occur at a sluice from the bund there being exceptionally low, for of course it can be easily prevented, and an accident in that position is, from the destruction of the sluice in addition to the breach in the bund, much more costly to repair.

The drainage basin of the tank is $1\frac{1}{2}$ square miles in area, and there are two surplus weirs measuring together 28 feet, and additional means of discharging flood water are to be given by levelling hard ground for a length of 17 feet, which may suffice; but as it would be better to reduce the difference between F. T. L. and M. W. L. from $2\frac{1}{2}$ to 2 feet, if the ground will allow of a greater length for the discharge of surplus being secured, this should be done.

The reconstruction of the sluice will be chargeable to repairs, and hydraulic mortar should be used for all works of this class. The design will do if the ground at the site be compact; otherwise some concrete below the masonry foundations, and extending 1 foot beyond the latter all round, will be required.

2. Chennathoor Puttalamen Tank, Rupees 963.

Ayicut Area	...	...	...	...	...	...	...	...	...	Acres	32
" Assessment	...	...	...	...	...	...	...	...	...	Rs.	282
Average Revenue	...	...	...	...	...	...	...	...	...	"	221

No repairs have been executed in recent years. This is another case in which a large expenditure has been rendered necessary by a breach at the sluice. The tank has sufficient means of disposing of surplus, and the bund generally was high enough. There are two tanks above, one of which breached. It should have been stated what measures have been taken to render these upper tanks secure, and, as already directed, groups of tanks should be taken up from the top of the series downwards.

3. Yellareddy Tank, Rupees 336.

Ayicut Area	...	...	...	...	...	...	...	...	...	Acres	18
" Assessment	...	...	...	...	...	...	...	...	...	Rs.	95
Average Revenue	...	...	...	...	...	...	...	...	...	"	67

This tank is a very petty work, the maintenance of which can, it is thought, hardly be desirable, and it will probably be best either to convert the nunjah into poonjah, or

given

Proceedings of the Madras Government, Public Works Department,
23rd July 1875.

to bring the former under the Kangaloo tank, the surplus of which it receives. The present estimate provides for reconstructing a sluice which has gone to ruin, and for the outlay of nearly three years' revenue on new revetment, which is reported to be necessary to the safety of the tank. There is a weir or cut 24 feet wide for the discharge of surplus, and it is proposed to lengthen this to 32 feet; it is doubtful whether this will suffice, as it involves a depth of 3 feet of water passing out in maximum floods. The area of the tank is entered as 4.22 acres, but this is probably incorrect, as neither this nor the supposed contents correspond with the average area of cultivation. The circumstances should be reconsidered before any expenditure is sanctioned.

Ootacamund,
19th July 1875.

(Signed) JOHN MULLINS, Lieut.-Colonel, R.E.
Offg. Chief Engineer.

AGRICULTURAL—ORDINARY—REVENUE.

SALEM DISTRICT, OOSSOOR RANGE, OOSSOOR TALUQ.

Estimate, Nos. 23 and 24 of 1875-76.

WORK.—Repairing Achittapally Tank.

No. or Quantity.	Description of Work.	Per.	Rate.	Amount.	Total.
3,085	Cubic yards of earthwork ...	C. yd.	Rs. A. P. 0 1 4	Rs. A. P. 237 1 4	Rs.
1,833	Square yards of turfling ...	S. yd.	0 0 6	57 4 6	
40	Cubic yards of old stone ...	C. yd.	0 6 0	15 0 0	
10	Do. of new stone ...	"	0 12 0	7 8 0	
60	Do. of puddle work ...	"	0 4 0	15 0 0	
				321 13 10	
	Sundries and Superintendence at 5 per cent ...	...	...	16 2 2	370
	<i>Reconstructing a Sluice</i>				
37	Cubic yards of earthwork ...	C. yd.	0 1 4	3 1 4	
99	Do. of stone in chunam ...	"	3 0 0	297 0 0	
9	Do. of arch work brick in chunam ...	"	5 0 0	45 0 0	
1	Do. of out-stone work ...	"	15 0 0	15 0 0	
9	Squares of pointing with chunam ...	Square.	2 0 0	18 0 0	
1	Do. of plastering with two coats of chunam ...	"	3 0 0	3 0 0	
1	Wooden plug ...	...	...	5 0 0	
				345 1 4	
	Sundries and Superintendence at 5 per cent ...	...	...	14 14 8	405
	Total ...	...	...	...	775

Proceedings of the Madras Government, Public Works Department,
23rd July 1875.

AGRICULTURAL—ORDINARY—REVENUE.

SALEM DISTRICT, OOSSOOR RANGE, OOSSOOR TALUQ, CHENNATHOOR VILLAGE.

Estimate Nos. 31 and 32 of 1875-76.

WORK.—Repairing the Chennathoor Puttalamen Tank.

No. or Quantity.	Description of Work.	Per.	Rate.	Amount.	Total.
2,790	Cubic yards of earthwork ...	C. yd.	Rs. A. P. 0 1 4	Rs. A. P. 232 8 0	
330	Do. of puddling ...	"	0 3 0	61 14 0	
132	Do. of new rough stone ...	"	0 10 0	82 8 0	
84	Do. of old do. ...	"	0 6 0	31 11 0	
				408 9 0	
	Sundries and Superintendence at 5 per cent ...	...	...	21 7 0	430
	<i>Reconstructing Sluice.</i>				
66	Cubic yards of earthwork excavating ...	C. yd.	0 1 4	4 10 8	
137	Do. of burnt stone in chunam ...	"	3 0 0	413 0 0	
9	Do. of arch work brick in chunam ...	"	5 0 0	47 8 0	
10	Squares of pointing with chunam ...	Square	2 0 0	20 0 0	
1	Do. of plastering with two coats of chunam ...	"	3 0 0	4 8 0	
1	Do. of plastering with two coats of chunam ...	"	15 0 0	18 5 4	
1	Cubic yards of out-stone work ...	C. yd.	...	508 0 0	
				25 0 0	
	Sundries and Superintendence at 5 per cent ...	...	...	...	533
	Total ...	...	...	...	963

No. 787. ORDER THEREON, 28th July 1875, No. 2,193.

IRRIGATION, No. 76.

Account.

The following repair estimates for tanks in the Salem District are sanctioned:—

Achittapally Tank ...	Rs. 775
Chennathoor Puttalamen Tank ...	963

Before the estimate for the Yellareddy tank can be disposed of it must be shown that its repair is necessary and desirable, and in the case of all such petty works,

given

Proceedings of the Madras Government, Public Works Department,
28th July 1875.

the repair of which involves expenditure out of proportion to the revenue, it will be necessary to consider—

- 1st.—Whether the continuance of nunjah cultivation is desirable.
- 2nd.—Whether, for this purpose, the tank or other work is also absolutely necessary no other means of irrigation being available.

(True Extract.)

Major, R.E.,

Off. Joint Secretary to Government.

To the District Engineer, Salem ✓
" Chief Engineer for Irrigation ✓
" Controller of Public Works Acc. mtd.

Irrigation

No. 785
Memorandum

20. 6. June 1876.

The following estimates have been submitted by the District Engineer, Salem.

enclosures

Rehittapully tank Rupees 475

Byrant area acres 41

Assessment Rupees 218

Average revenue " 150

So repairs have been recently executed.

The tank breached in 1870 at the sluice, destroying the latter. Usually when such accidents occur they are due to the land being worn down close to the sluice by the village, and consequently it is to their neglect to attend to the safety of the tank & on the setting in of rains that damage results. A breach should never be allowed to occur at a sluice from the land there being exceptionally low for of course it can be easily prevented and an accident in that position is from the destruction of the sluice, in addition to the breach in the land, much more costly to repair.

The drainage basin of the tank is 16 square miles in area and there are 2 surplus weirs measuring together 38 feet and additional means of discharging flood water are to be given

given by levelling hard ground for a length
of 14 feet which may suffice but as it would
be better to reduce the difference between
F.T.L and M.W.L. from 2 1/2 to 2 feet if the
ground will allow of a greater length for the
discharge of surplus being secured, this should
be done.

The reconstruction of the sluice will be desirable
to repairs and hydraulic master should be
used for all works of this class. The device
will do if the ground at the site be compact;
otherwise some caissons below the masonry foundation
may be required and extending 1 foot beyond the latter
all round, will be required.

2. Rehabilitation Pullalamam Tank. (Refers 22)
Agent area acres 22
Reversionment (Refers 22)
Average revenue Rs 21

As repairs have been executed in recent years.
This is another case in which a large expenditure
has been rendered necessary by a breach
at the sluice. The tank has sufficient
means of disposing of surplus and the
land generally was high enough. There
are two tanks above one of which branches.

It should have been stated what measures
have been taken to render these upper
tanks secure and as already directed in
case of tanks should be taken up
from the top of the series downwards.

3. Yellareddy tank (Refers 236)
Agent area acres 18
Reversionment (Refers 236)
Average revenue Rs 67

This tank is a very faulty work the main-
tenance of which can it is thought hardly
be desirable, and it will probably be best
either to convert the bungalows into Panjabs or
to bring the former under the Mangalore tank,
for the surplus of which it receives. The present
estimate provides for reconstructing the
sluice which has gone to ruin and for the
supply of nearly 3 years' revenue as new
revenue which is reported the necessary
to the safety of the tank. There is a weir or
cut 24 feet wide for the discharge of surplus
and it is proposed to lengthen this to 33 feet.
It is doubtful whether this will suffice
as it involves a depth of 2 feet of water
passing to

passing out in maximum floods. The
area of the tank is entered as 4.32 acres,
but this is probably incorrect, as neither
this nor the supposed contents correspond
with the average areas of cultivation.
The circumstances should be considered
before any expenditure is sanctioned.

Colt J. M. C.
Offg. Chief Engineer
Palawan and
17 July 1875

To. The Offg. Secy. to Govt. and
S.M.C.

12 July 1875

12 July 1875

12 July 1875

12 July 1875

12 July 1875

12 July 1875

12 July 1875

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12 July 1875

12 July 1875

12 July 1875

12 July 1875

P. W. 1875 Dep't.
No: 4964

From

The Offg. Chief
Engineer

Del'd 19 July 1875.
Rel. 20 - 1875.

S. L. X No 785.

Notes Estimates
for the repair of
certain tanks in
the Salem Dist.

P. B. 2150. 28-7/75
sent to Secy &c

cc-26.

No 2193 S.H.B. 11
Proceedings of the Board of
under date 28th July 1875 -
Read the following:

From
The Offg. Chief Engineer (H. E. No 785 of 19 July 1875)

The following repair
estimates for tanks in the
Salem District are
sanctioned.

Relatively tanks Repairs 475
(Chennathoor Pottalam
tanks} " 963.

M. 2677

11

Before the estimate for
the Yellareddy tanks can
be disposed of it must be
shown that its repair
is necessary and desirable
and in the case of all such
fully worked the repair of
which involves expenditure
out of proportion to the
revenue, it will be necessary
to

to consider

- 1st whether the continuance of manjah cultivation is desirable.
- 2nd whether for this purpose the tank or other work is absolutely necessary, no other means of irrigation being available.

Dr. Salen
of the Govt.
Lab. P.W. & R.

17/5- with 43 Estimates
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20 sc. Orsd - 18-8-75

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1914

11751 Madras.

PUBLIC WORKS.

To

M. K. L. S. S. S.

Dated

Lalun.

Issued

Recd.

Recd.

G. O.

28 July

137. No.

Nos.

786-77

Repair of Cotton Laid
in the Lalun St. - The
Estimates amounting to Rs.
238 for this - and have
with demands.