M.R.O. 1—10,006—23-2-50.

(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. 3023 Press Original
B.P. ~~No.~~ ~~Mrs.~~

Dated 27. 10 19~~5~~75

**Not to be folded or roughly handled**

Read the following:—

No. 1,189.

No. 414. *Note by the Chief Engineer for Irrigation.*

No. 2,493, dated 18th September 1875.

THE following estimates have been submitted by the Superintending Engineer, Chingleput:—

| | | | | | |
|---|---|---|---|---|---|
| Vypany Tank. Repairs | ... | ... | ... | ... | Rupees 925 |
| Dry stone escape | ... | ... | ... | ... | ,, 320 |
| Ayacut area | ... | ... | ... | ... | Acres 140 |
| ,, assessment | ... | ... | ... | ... | Rupees 467 |
| Average revenue | ... | ... | ... | ... | ,, 468 |

Rupees 44 were expended in 1873-74.

2. The area of the catchment basin is 2 square miles. The tank has no proper means of disposing of surplus; it was damaged in 1872 and breached in 1874; there are three small tanks* above it. M.W.L. is intended to be 1½ feet above F.T.L., and a dry stone escape 151 feet long is to be constructed. Pending this the ground is to levelled, but the planting of grass thereon had better be omitted, as the regular escape should be completed as soon as possible. The repair estimate will then be Rupees 900.

* Kadamboor.

| | | | | | |
|---|---|---|---|---|---|
| 3. Collialum Tangle. Repairs... | ... | ... | ... | ... | Rupees 135 |
| Ayacut area ... | ... | ... | ... | ... | Acres 16 |
| ,, assessment | ... | ... | ... | ... | Rupees 75 |
| Average revenue | ... | ... | ... | ... | ,, 58 |
| Highest do. | ... | ... | ... | ... | ,, 92 |

The catchment basin measures half a square mile, and provision for the disposal of surplus is to be made by levelling the ground and planting tank grass thereon. The length so levelled should be 120 instead of 62 feet. Apparently with the tank put into order the full ayacut assessment should be ordinarily realized.

OOTACAMUND, *7th October* 1875.

(Signed) JOHN MULLINS, Lt.-Col., R.E.,
*Chief Engineer for Irrigation.*

No. 415. ORDER THEREON, 27th October 1875, No. 3,023.

IRRIGATION, No. 40.

*Account.*

THE following estimates are sanctioned:—

| | Capital. | Revenue. |
|---|---|---|
| | RS. | RS. |
| *Chingleput District.* | | |
| Vypany Tank ... ... ... ... ... ... | 320 | 900 |
| Collialum Tangle ... ... ... ... ... ... | | 135 |

(True Extract.)

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

To the Superintending Engineer, Chingleput.
,, Collector of Chingleput.
,, Revenue Board.
,, Chief Engineer for Irrigation.
,, Controller of Public Works Accounts.
,,

Exd. E. C. Shunker.
Spare Copies

(6) Revenue

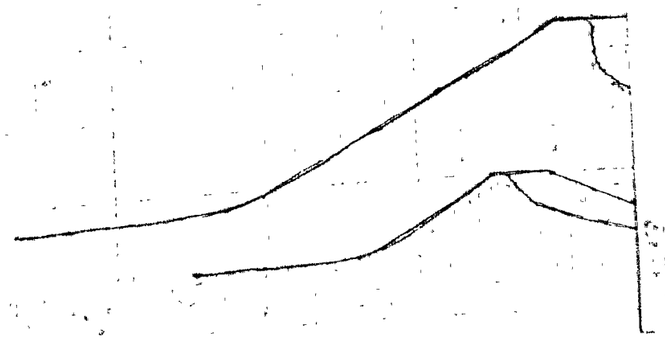
AGRICULTURAL (a) Class 4. DETAILED ESTIMATE No. OF 1875-7 (c) Maintenance

District Chingleput Taluk Madhurantacum

Village Uyyany No. 182

Estl. (d)

Plan of the Catchment & Length of weir



| | | | | |
|---|---|---|---|---|
| Repairs to Bund | | | | |
| Cutting a back of new laid earth | 960 | 5 | 4825 | |
| Total Cooly Charges of Turfing | | | | 4825 |

AGRICULTURAL (a) Class 4. (b) Revenue / Maintenance

**DETAILED ESTIMATE No. OF 1875-76**

District Chingleput Taluk Madurantacum

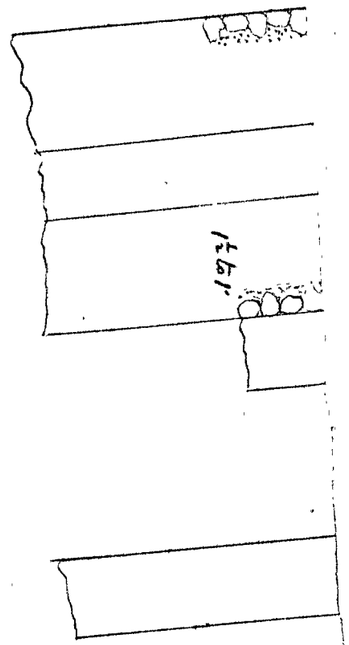
Village Uyyany No. 182

Work (d)

Plan of the

Catchment

Length of weir




Each Dis officer 8 Rs
carries 2 hundred
Mds Prog[illegible]

| | | | |
|---|---|---|---|
| Top and back of new bund with | 96 | 5 | 4825 |
| Total Cft yards of Turfing | | | 4825 |

69 1/2

AGRICULTURAL (a) Class 4. (b) Revenue

**DETAILED ESTIMATE No.** OF 1875-76 Irrigation works

District Chingleput Taluk Mathurantacum

Village Uyyany No. 182 Miscellaneous

Work (d) Repairing the Uyyany Tank.

This is to certify that this estimate is intended for putting the Uyyany tank in perfect repair and that it will require nothing further

Such an office compleated this 12th May 1875

M Crawley
Supervisor & Rev.
in charge of Sub Division

| | | | | |
|---|---|---|---|---|
| Filling eroded parts | 80 | 2 | 8 | 12 | 150 |
| Forming front slope | 200 | 8 | 8 | 12 | 1275 |
| Restoring the parts eroded | " | 2 | 8 | 10 | 312 8 |
| Restoring top portion eroded | " | 2 | 8 | 8 | 250 |
| Restoring the parts eroded | " | 3 | " | 7 | 337 8 |
| Forming front slope | " | 6 | 8 | 7 | 568 12 |
| Do | 104 | 4 | 8 | 10 | 292 8 |
| Banks in good order | 100 | | | | |
| | | | | Total Cyds of Earthwork | 7869 1/2 |
| Turfing slope above Full Tank Level and back of new laid earth | 965 | " | 5 | | 4825 |
| | | | | Total Cyds yards of Turfing | 4825 |

Remarks as enclosed above in the estimate

AGRICULTURAL (a) Class 4. (b) Revenue ?

**DETAILED ESTIMATE No. OF 1875-76** Maintenance

District Chinglaput Taluk Mathuranticum

Village Uyyany No. 182

Work (d) Repairing the Uyyany Tank

| Particulars of Work. | No. | Measurements. Length. | Breadth. | Height. | Contents. |
|---|---|---|---|---|---|
| Commencing from North end of Tankbund | | | | | |
| In good order | | 10 | | | |
| [illegible] | | [illegible] | | | |
| In good order | | 10 | | | |
| [illegible] | | [illegible] | | | |
| Forming front slope eroded upto Sluice | | 160 | 5 8 | 10 | 550 |
| Forming top portion of bank cut away | | 68 | 2 8 | 8 | 86 |
| Forming front slope eroded | | 68 | 5 8 | 9 | 210 6 |
| Restoring the parts eroded | | 128 | 6 8 | 8 | 416 |
| Forming front slope | | " | 6 8 | 12 | 624 |
| [illegible] | | [illegible] | | | |
| [illegible] | | [illegible] | | | |
| [illegible] | | [illegible] | | | |
| [illegible] | | [illegible] | | | |
| Forming front slope | | 80 | 10 8 | 1 | 840 |
| Filling eroded parts | | 80 | 2 8 | 12 | 150 |
| Forming front slope | | 200 | 8 8 | 12 | 1275 |
| Restoring the parts eroded | | " | 2 8 | 10 | 312 8 |
| Restoring top portion eroded | | " | 2 8 | 8 | 250 |
| Restoring the parts eroded | | " | 3 | 7 | 337 8 |
| Forming front slope | | " | 6 8 | 7 | 568 12 |
| Do | | 106 | 4 8 | 10 | 292 8 |
| Bank in good order | | 100 | | | |
| | | | | Total Cyds of Earthwork | 7569 2 |
| Turfing slope above Full Tank Level top and back of new laid earth | | 965 | " 5 | | 4825 |
| | | | | Total Cyds of Turfing | 4825 |

Pa

| | | | | |
|---|---|---|---|---|
| Planting Canal or Kuchup grass below or F.S.L. to be watered until properly grown | 965 | 3 | | 289 |
| Total Sq yards of Canal or Kuchup planting | | | | 289 |
| Temporary escape opening in the bund. | | | | |
| Removing bund down to F.S.L. as per page 15 inches depth of water | 50 | 1 | 1 | 4 250 |
| Ends of bund to be sloped | 1 | 3 | 1 | 8 27 |
| Total Cubic yards of Earth work | | | | 277 |
| Planting the surface with kuch grass and watering it until well grown | 50 | 10 | | 500 |
| Do Slopes | 9 | 2 | | 18 |
| Total Sq yards of planting Kuch grass | | | | 518 |

Report on the Vaipanay Tank, Arudiarankottai Taluq,
Chingleput District.

*Proposed to be repaired as per detailed estimate attached.*

1. Number of existing escapes, weirs, or calingulas. — Nothing of Stone work.

2. Number proposed in addition. — One rubble stone pavement

3. Length of each existing escape, from wing to wing. — None

4. Length proposed in addition. — 151 ft of rough stone pavement to discharge 893 C/ft in a second in 6 to 8 inches going over it but until the bund is to be removed and the surface planted with kuch grass. Co-ef 595 ×

5. Length of escape available for discharge. — 46 ft the aggregate length of 3 small openings in the bund the depth of all passes through the bund is from 2 to 6 inches but in the ordinary floods of 72 and of 71 the rose from 3½ to 4½ ft and overtopped the bund, these are to be closed after the new escape is constructed.

6 Full tank level measured from —
floor of sluice ——— 10 ft.

7. Maximum water level in the tank or height above ~~crest of~~ escape — 1½ ft (above Sr. F.L.)
F.I.L.

8. Present height of the top of the bound above. — 3½ ft. (above Sr. W.L.)
do

9. Proposed do. do. — 3½ ft (above Sr. F.L.) no raising

10. Proposed height of the top of the revetment above. — Wherever the slope below F.F.L. is to be protected with a belt of Kuchay grass 3 yards

Agricultural (a) Class (b) Revenue Capital ordinary

Estimate No. of 1875-76.

District Cuddapah Taluq Cuddapah

Village R. Kanj

Repairs to Kadamboor stone escape weir 151 ft long in Rs. (d) Cuddapah and the Kadamboor tank.

11. Area of catchment basin. 2 Square miles—flood discharge 513 Cft in a second; the immediate receiving ground of the tanks about it.

12. Irrigation area. 1100 acres.

13. Number of sluices and area of vents. Nos 2. One is on the east side the north end of the bund, the other a sluice both are in good order, the area of the former is 12 sq ft 36 60—142—and 174 Cyds will be taken under depths 3-6-9 ft respectively, the diameter of the pipe head is to be increased 5½ inches each in the area, the discharge under the former head of 6 190-269 and 329 Cyds in the latter the present sluices fall in under and the area of its vent is 9 sq ft.

14. This tank was both dam and bund breached the Cyclone of Aug 74, it was injured to a less extent in that of 1872. The estimate on the former occasion provided duly for repairs, this is for putting the tank in order as to secure it against future disasters and to adjust the outlay incurred last year on emergency.

15. This tank is in the Kadamboor Tank Catchment basin. The tanks above that drain in it are the 3 small tanks of the Kadamboor village; these tanks also sustained injury in the late cyclone, but their condition is not such as to require immediate restoration—estimates for putting them into thorough order will be submitted hereafter.

Abstract of estimates.

Repairs of Tank Rs 925
Newwork Escape Weir 320
Total Rs 1245

Total amount to be expended in 1876-77.

Repair Rs 1100
Newwork " 100

Sub Ol office camp Thundry 11th May 1876

D M Cowley
Superintendent P.W.D.
with specimen of work

Estimate

| Particulars of work. | No. | L | B | H | Cubic feet |
|---|---|---|---|---|---|
| Earthwork. | | | | | |
| Bund for raising revetment | 1 | 131 | 12 | 1 | 6294 |
| Ditto for raising revetment | 2 | 16 | 4 | 1 | 128 |
| Retaining wall | 1 | 131 | 2 | 5 | 1086 |
| Pier | 2 | 32 | 1 | 6 | 672 |
| | | | | Total Cubic feet | 4992 |
| | | | | Cubic yards of Rubble work | 180 |
| Packing revetment with Stone in Cubic feet 2 32 1 ½ | | | | | 648 |
| | | | | Total Cubic feet | 648 |
| | | | | Cubic yards of Packing revetment with Stone | 18 |
| Cyds of packing revetment with Stone | | | | | |
| Earthwork | | 165 | 10 | 4 | 6600 |
| Earthwork bund | | 131 | 13 | 1 6 | 2944 |
| Sluices | 2 | 5 | 4 | 1 6 | 180 |
| Pillars | 2 | 5 | 4 | 1 6 | 180 |
| Bunds for protecting revetment | 1 | 131 | 2 | 3 | 786 |
| Retaining wall | 2 | 32 | 1 | 6 7 | 672 |
| Revetment | | | | | 1134 |
| | | | | Total Cubic feet | 11392 |
| | | | | Cubic yards of Earthwork | 422 |

(a) Clapth. (b) Ramnad

AGRICULTURAL

# DETAILED ESTIMATE No. OF 1876-76 Maintenance.

District Chingleput Taluk Madurantacum. No. 181 Objections.

Village Cotiallam

Work (d) Repairing the Cotiallam Tangal.

| Particulars of Work. | No. | Measurements. Length. | Breadth. | Height. | Contents. |
|---|---|---|---|---|---|
| Commencing Bank 40 ft on d. of tank. | | 114 | | | 114 |
| Cooly | | 152 | 1—8 | —8 | 342 |
| Forming left portion of bund eroded | | | 4—8 | —8 | |
| Forming front slope | | 180 | 4—8 | —6 | 303—12 |
| Do Do | | 80 | 1 | —12 | 60 |
| Forming left of bund eroded | | | 4—8 | —8 | 180 |
| Forming front slope | | 52 | 4—8 | —6 | 87—12 |
| Forming front slope up to 120 ft forming | | | | | 1087—8 |
| Total Cubic feet of earth work | | | | | |
| Planting a hell for Tania Cor Plantings | | 200 | | 2 | 400 |
| upto below 5 ft | | | | | 400 |
| Total Cubic feet of Tania Cor Plantings | | | | | |
| Retaining Sluice 27 ft long | | | | | |
| Brick in Chunam | | 16 | 4—6 | 4 | 108 |
| Sluice | | 17 | 1—6 | 3 | 31—6 |
| Retaining wall | | | | | |
| Removing foundations of sidewalls and | | 2 10 | 1—6 | 1 | 30 |
| rebuilding | | 1 9 | 4 | 1 | 36 |
| Do Coping over covering stones | | | | | 205—6 |
| Total Cubic feet | | | | | 7 16/27 |
| Cubic yds of Brick in Chunam | | | | | 2 |
| Plastering 2 squares | | | | | |

January 1876.)

Report on the Calle Kanmaiyan Tank, Sholavarantanam Taluq,
Chingleput District.

*Proposed to be repaired as per detailed estimate attached.*

1. Number of existing escapes, weirs or calingulas. } 1 Kottiyal Kal escape weir

2. Number proposed in addition. } do

3. Length of each existing escape, from wing to wing. } do

4. Length proposed in addition. } 40 ft. both sides to be removed in addition to the existing 22 ft. The surface to be planted with Bush bund &c. (Co. of 595)

5. Length of escape available for discharge. } 22 ft. opening in the bund with Rubble masonry

6. Full tank level measured from. } 6½ ft. above floor of sluice
floor of sluice

7. Maximum water level in the tank or height above crest of escape. } 1½ ft. above F. T. L.

8. Present height of the top of the bound above. } 3 3/4 ft. above F. T. L.

9. Proposed do. do. } No existing bund as the above 3 3/4 ft.

10. Proposed height of the top of the revetment above. } Stone slope below F. T. L to be planted with a belt of hedge.

11. Area of catchment basin. $\frac{1}{2}$ a Square mile. discharge 354 Cft in a Second.

12. Irrigation area. 16 acres

13. Number of sluices and area of vents. It has one Sluice which is in bad order. area of vent 7.07 Sq inches discharge under 3 ft is 56 Cyds per hour.

14. This Tangal is on the catchment basin of the Kadiramangalam tank and is connected with the Large tank, it has suffered by the cyclone of 1872, this estimate is for putting it into efficient order.

Abstract of Estimates

For repairs of Tangal Rs 1380

Probable amount to be expended during 1875-76.

Repairs 1380

Deb'd Office
camp Kattangoodalore
26th May 1875.

Tobe Recommended
B. Gte 24/6
Chingleput 27/5/75 Rs 1380

B. Vencatachary
Supervisor D.P.W.
in Ch: of Sub Div: 3 Tangals.

Chingleput Superintending Engineer's Office,
Camp Egmore Pallavaram 1875.
Received 18th September
Despd 21st " "

NO. 2493

From THE SUPERINTENDING ENGINEER,
Chingleput.

To The Chief Engineer
for Irrigation

Enclosured 3
Estimates

Sir, I have the honor to forward the under-mentioned estimates amounting to Rs. 1380 for the sanction of Government under revised Chapter II Clause II Para 9 their amounts being above those of the average revenue of the tanks in question.

2. The instructions contained in your Memo No 883 A and 893 B of 31st October and 2nd November 1874 respectively has been duly attended to.

| | | | |
|---|---|---|---|
| Repairing Pyramy Tank | Rs | 925 | |
| Loose Stone Escape 15 ft 6 long | Do | 320 | 1,245 |
| Repg Coliallam Tangle | Rs | | 135 |
| | | Total Rs | 1,380 |

I have the honor to be,
Sir,
Your most obedient Servant.

Colonel, R.E.
Superintending Engineer Chingleput.

To Irrig. No. 11897 Date 75

C.E. No. 1887 P.D.

From Subdy.
THE ~~DISTRICT~~ ENGINEER,
CHINGLEPUT.

To
THE Chief Engineer
for Irrigation

Dated 18 } Septr 1875.
Received 22 }

No. 2493
ENCLOSURE. 3

Forwards estimates for repairing Uyyapanj Tank &c for the Sanction of Government

P.W. 6665 4/75.

To Irrig. No. 11897 Date 75

C.E. No. 1887 P.D.

From Subdy.
THE ~~DISTRICT~~ ENGINEER,
CHINGLEPUT.

To
THE Chief Engineer
for Irrigation

Dated 18 } Septr 1875.
Received 22 }

No. 2493
ENCLOSURE. 3

Forwards estimates for repairing Uyyapanj Tank &c for the Sanction of Government

P.W. 6665 4/75.

O.L. Sheet 11 Octr.

Go 27 Octr 75
and 3 Mar 1876

No 3023 C.W.C.

Proceedings of the Madras Govt

Under date the 27th Oct 1876

The Repair estimates will show Rs 900.

2- Colladum Sangle- Repairs Rs 135-

Ayacut area Acres 16

" assessment Rupees 75-

Average Revenue " 53

Highest do " 72

The catchment basin measures half a square mile, and provision for the disposal of surplus is to be made by levelling the ground and planting banks across thereon. The length so levelled should be 120 instead of 62 feet. Apparently with the banks just into order the full ayacut assessment should be ordinarily realized.

Submitted

Lieut Col R.E.

Chief Engineer for Irrigation

Ootacamund

7th October 1875

To The Secy: to Government

P.W.D.

Chingleput ...
etra Chingleput
Board
Engr for Irr
Rollers of P.W.D

wrote 3 Abstimates
Dispd 9-11-75

Revenue
900
135

The repair estimates will thus be Rs 1500.

2- Collidalum Sangle- Repairs Rs 135-

Agreeta[illegible]

"

Aver

Highes

The cr

a square

dispos

by leve

South g

levelled

Asparas

order

should

P. W. 1875 Dept.
No: 6660

From

The Chief Engr.
for Irrigation.

Dd 7th Octr. 1875.
No. 18[illegible]

E. I. / No: 1189.

Note on Pets. for
opening the Vyfauny
Sluice, Chingleput
Dist.

G.O. No 3023. 27-10-75

Circ 4-10-75

Chief Engineer for Irrigation

Octacamund
4th October 1875

To The Secy: to Government

P.W.D.

No 3023 P.W.D.

Proceedings of the Madras Govt:

Under date the 27th Octr 1875

Read the following:-

From The Chief Engineer for Irrigation } (H. E. No 1189 dt 4th Octr 1875.)

The following repairs to tanks are sanctioned.

Chingleput District.

| | Capital | Revenue |
|---|---|---|
| Vyfauny South Repairs | 320 | 900 |
| Collidalum Sangles " | - | 135 |

Ex. 12/10

Sd Chingleput
Collector of Chingleput
Revn Board
Chief Engr for Irrn
Controller of P.W.

Write 3 Abstract Estimates

Dispd 9-11-75

Chubb

. of 1876 Edition.

PUBLIC WORKS.

To Surveyor Kings Co. Chungleput

29/10/75 2/11/75

Dist

Taluk

Road

Date

C. O. 2nd Feb Inst. No. 3423

Regn. 414-415

Kistna Lands, Chingleput

Dr. to Retrenchments Rs. 1355 for Repairs to Retaining Wall, Pantheon

No 414/15

10-75