

(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.	3493	Press
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Dated	10 - 12	1955

Original

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
10th December 1875.*

No. 162. Read the following letter from Lieutenant-Colonel J. F. FISCHER, R.E., District Engineer of Madura, to Lieutenant-Colonel J. MULLINS, R.E., Chief Engineer for Irrigation, dated Madura, 24th November 1875, No. 3,428 :—

UNDER paragraph 9, Clause II., Chapter IV., of the Public Works Code, I have the honor to forward, for your sanction, the accompanying estimate of Rupees 630 for repairing Valayengolum Tank in Thiroomungalum Taluq :—

Ayacut	...	...	...	...	...	Acre	88
Revenue	...	...	...	...	...	Rs.	322
Five years' average...	...	...	...	...	...	Acre	86
Revenue	...	...	...	...	...	Rs.	320
Highest of five years	...	...	...	...	...	Acre	86
Revenue	...	...	...	...	...	Rs.	359

2. The tank has had no repairs for the last thirteen years, and in the accompanying estimate provision has been made for putting the bund in a thorough state of repair; the bund is to be raised $4\frac{1}{2}$ feet above full tank level. The ayacut extent of land will then be fully brought under irrigation.

3. The drainage area is about $\frac{1}{4}$ square mile, and the maximum quantity of flood discharged per second is 263 cubic feet. The tank is also dependent partly on the supply of a branch channel taken from Arasaputty main channel, which is led off an anicut built across the Goundenuddy River; the area of the vent allowed in the dividing dam at the head of the branch channel is $12 \times 3 = 36$ square feet, and as the channel below falls at the rate of about 3 feet per mile the quantity of water received into the tank per second is 114.48 cubic feet during floods, and the water in the channel runs for about three months in the year.

4. The present masonry surplus escape, which is 48 feet long, is sufficient to discharge the maximum quantity of water from both sources, viz., 377.48 cubic feet; now the maximum water level is $1\frac{3}{4}$ feet above the crest of the calingulah or the full tank level, and the bund is to be raised $2\frac{3}{4}$ feet above M.W.L.

No. 163. ORDER THEREON, 10th December 1875, No. 3,493.

IRRIGATION, No. 8-A.

Account.

The following estimate is sanctioned under Revenue :—

Madura District.

Repairing the Valayengolum Tank... .. Rs. 630.

(True Extract.)

Major-General, R.E.,

Secretary to Government.

To the District Engineer, Madura.

„ Revenue Department.

„ Chief Engineer for Irrigation.

„ Collector of Madura.

Exd. S. T. Austin.

Spare Copies

Valyongolum average water, 5 years
average Revenue Rupees 234. 4-304
Estimate Rupees ~~805~~⁶³⁰. This tank
has a catchment basin of about 4
square miles. The existing masonry
surplus escape at the mouth end
of bund is 48 feet in length which
is sufficient; the tank has had no
repairs for the last 13 years; if the
earth repairs provided for in the
estimate accompanying be carried out
the adjacent extent of land can be
fully brought under irrigation.
The bund to be raised ^{2 3/4} ft above Full Tank
Level
7-5-75 -
P. C. [Signature]
Rise [Signature]

17. 7781 A/75 5 SPECIFICATION

to accompany Estimate No. of 1873-75, amounting to Rupees 8000 for Repairing Valayangolam in the Perumungalam Talook of the Madras District.

1. Before commencing the work the positions of the bund to be raised are to be properly marked out by pegs for the guidance of the work people so as to secure uniformity of level when throwing earth on the bund.

2. The earth required, to be obtained from * 20 yards Earth work. The bund to be raised 1 1/2 feet above full tank level and the inner slopes to be 1 1/2 to 1

* distance to be filled in by the Range Officer or Talook Overseer, according to the requirements of the locality.

All lumps or masses of earth to be broken and well rammed down, so that when tamped the earth shall be brought to an even level surface and the slopes properly trimmed and neatly finished.

3. When executing earth work for bunds or embankments of any kind, the Overseer or Maistry or whoever is in charge of the work should cause the basket men or Chittaul, to spread all over the newly laid earth as they come and go with their loads, & there should be one strong man tamping to every 10 people employed on the earth work. The slopes are to be carefully tamped before being turfed, and the turf after being laid is to be tamped and well watered afterwards.

4. In executing earth work for bunds or embankments of any kind, care should be taken that layers of not more than one foot of earth are thrown in each time, and that each layer is watered and well tamped before another is laid over it.

* Height to be specified by the framer of the Estimate. In the case of tanks, the height will depend upon the class of the tank to be repaired & it will be 2 yds., 1 1/2 yds., or 1 yd. as the case may be.

5. The external foot of the tank bund to be planted with the seeds of the Karoovela (or Baubool) and the inside slope of the bund to be turfed to an average height of * yards, and protected at foot by the seeds of the Palmyrah tree or Wild Date (Eachah maram Tamil) being planted 1 yard apart.

6. Any sand found in the beds of the breaches themselves to be removed before commencing to close the breach.

7. After the breach has been closed, the sides and the top to be properly levelled, and the former well watered and neatly and substantially turfed.

8. The old rough stone revetment requiring to be rebuilt as per estimate to be entirely pulled down and rebuilt according to the dimensions provided in the estimate, giving a slope to correspond with the rest of the old work. The construction of the revetment to be completed to the required height in regular and even courses, the stones carefully packed in position, there being one header to every 3 stretchers and the interstices filled in with stone jelly. The Revetment to have a backing 1/2 yard thick of gravel or gravelly earth rammed into a solid state, so as to prevent its oozing through the interstices of the revetment.

9. Before cutting the bund for re-building the sluice, a ring bund to be formed in a substantial manner, and the same to be executed as usual by the ryots of the village, by whom it should be removed on the completion of work.

10. The Sluice to be re-built or constructed precisely on the same level with the sill of the old sluice (unless for special reasons to be explained)

Rebuilding or constructing a sluice,

2

- * height of layers to be filled in by the framer of the Estimate.

* description of wood to be filled in by the framer of the Estimate.

* the locality to be expressly specified by the framer of the Estimate.

The work is to be carried out with Special reference to paras 1, 2, 3, 4, 6, & 7.

உதயம் திருவாரூர் நகரில் கட்டிய
புதிதாக உருவாகிய பிள்ளை
உருவம் உருவாகிய பிள்ளை

[illegible][illegible]

18740

107551292

— 505 Die Kunst der Färberei

১৫. ক্রমিক নং

— १५० —

— 3rd of July 1862 —

புதுணி யாண்டுகொடுமண

125 10/16/2000

No. 3338

Forwarded to the Executive Committee
of the Board of Directors for the submission
of such evidence as may be required

Comp. Bureau
26 March 1874

Respectfully
Submitted

to be noted & returned to the

Forwarded to the Board in charge of the
book for information and guidance
The receiving committee should be notified to the
Office without delay
At: Bureau
26 March 1874

Requests that
the Bureau & Bureau of
China Company & Bureau
Company which are only
what for several
years should be
repaired

Dated 9th March 1874
Signed

From
Mingyuan Shun &
others of Peking
Economic Bureau

சென்னை கலெக்டரேட்
பெரிய கலெக்டரேட்
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பெரிய கலெக்டரேட்
பெரிய கலெக்டரேட்

1874
10th March

சென்னை கலெக்டரேட்

சென்னை கலெக்டரேட்

சென்னை கலெக்டரேட்

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First main paragraph of handwritten text, starting with 'The first of the...'

Second main paragraph of handwritten text, starting with 'The second of the...'

Third main paragraph of handwritten text, starting with 'The third of the...'

Fourth main paragraph of handwritten text, starting with 'The fourth of the...'

No 5253

Handwritten text block, possibly a letter or report, starting with 'I received the...'

21 March 1874

Handwritten text block, possibly a letter or report, starting with 'The first of the...'

Handwritten text at the bottom left, possibly a signature or date.

Handwritten text at the bottom right, possibly a signature or date.

Handwritten text at the bottom right, possibly a signature or date.

Handwritten text at the bottom right, possibly a signature or date.

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Mr 9781 A/75.
13

8TH DIVISION P. W. D.

REPAIRS AGRICULTURAL.

Madura District Pudukkottai Range Poomungalam Talook

Name and nature of work Repairing Poomungalam Large tank of Pudukkottai Village

Class of Tank 2nd

Number in Irrigation Register. //

STATISTICS OF CULTIVATION.						TOTAL REPAIRS.		DETAILS OF TANK.		
Aya mt		5 Years average.		Highest of 5 years.		During last 5 years.		Length of bund in feet.	No of Sluices	No of Calingulabs
Extent (Acres)	Revenue	Extent (Acres)	Revenue.	Extent (Acres)	Revenue.	Year.	Amount.			
85 61.5 88	275 322	66.5 50.43 86	221.5 120.21	74 55.44 86	263 350.5	Not known		7098	2	0

Tank how supplied. By Governmentally Channel & partly ruin fed.

Estimate by whom and when called for. By District Engineer on 26 March 1874.

Date of inspection of work by Range Officer By Amudam on the 26 July 1874.

Remarks. This tank was not repaired at all for a long time and consequently much out of order & needs immediate repairs. The Villagers constantly applied to authorities for the repairs of the tank & it is therefore solicited that permission will be granted for repairing the same.

Abstract of Detailed Estimate No of 1872-73

Quantities.	Description of work.	Rate	Amount.	Amount of each part.
890	Get Channel & Batt			
811.65	do. Sand Batt	" "	11 116	
	Get Chig & torn fig	" 1	540 66	
	Superior tomlase		27 14	610 00
	South Coll of Estimate Paper 2		20	00
			630	00

Antithesis
District Engineer of Madura
17th Dec 1874
1874
P. W. D. Poomungalam
Pudukkottai

[Faint handwritten notes and signatures on the left margin, including "P. W. D. Poomungalam" and "Pudukkottai"]

Particulars of work.	Measurements.			Cubic contents.
	Length	Breadth	Height	
<u>Channel from west end.</u>				
Removing Soil	220	4	$\frac{1}{2}$	440 ✓
Good	400			
Deepening	300	3	$\frac{1}{2}$	~~450~~ 450
<u>Comp End Close.</u>	Total earth work			~~790~~ 890
Widening	80	3	$\frac{1}{2}$	120 ✓
Raising		3	1	240 ✓
Widening	108	$2\frac{1}{4}$	$\frac{1}{2}$	121 $\frac{1}{2}$ ✓
Raising		258	$\frac{3}{4}$	212.58 ✓
Widening	24	$3\frac{1}{2}$	1	84 ✓
Raising		3	1	72 ✓
Supply water way	8			
Widening	48	$2\frac{3}{4}$	$\frac{1}{2}$	66 ✓
Raising		258	$\frac{3}{4}$	94 $\frac{1}{2}$ ✓
Widening	20	$4\frac{3}{4}$	$\frac{1}{2}$	47 $\frac{1}{2}$ ✓
Raising		$3\frac{3}{8}$	$1\frac{1}{4}$	84 $\frac{3}{8}$ ✓
Widening	348	2	1	696 ✓
Raising		$2\frac{1}{4}$	$\frac{1}{2}$	351 $\frac{1}{2}$ ✓
Widening	120	$2\frac{3}{4}$	1	330 ✓
Raising		258	$\frac{3}{4}$	236 $\frac{1}{4}$ ✓
Widening up to Pat. Point	8	$\frac{1}{4}$	1	32 ✓
Raising		3	1	24 ✓
Widening	64	3	$\frac{3}{4}$	144 ✓
Raising		258	$\frac{3}{4}$	126 ✓
Widening up to Pat. Point	36	$\frac{1}{4}$	1	144 ✓
Raising		3	1	108 ✓
Widening	64	$3\frac{1}{4}$	1	208 ✓
Raising		258	$\frac{3}{4}$	126 ✓
Widening	120	3	1	360 ✓
Raising		258	$\frac{3}{4}$	236 $\frac{1}{4}$ ✓

I do hereby certify that the above Estimate for *Depa. Valayangalam* *carpenter* amounting to Rupees *630* provides for every thing necessary, and no supplementary works will afterwards be required.

M. B. D. S.
Assistant Engineer
 Range Officer, Rangoon

of land will then be fully brought under irri-
-gation.

3. The drainage area is about $\frac{1}{4}$ square
mile and the maximum quantity of flood
discharged per second is 263 cfs. The bank
is also dependent partly on the supply of a
branch channel taken from Arasaputty main
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across the Goundenuddy River the area of the vent
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cfs during floods and the water in the
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The present masonry surplus escape
which is 48 feet long is sufficient to discharge the
maximum quantity of water from both sources
viz: 377.48 cfs. now the maximum water level
is $1\frac{3}{4}$ feet above the crest of the Calingulahr or
the full bank level and the bund is to be raised
 $\frac{3}{4}$ feet above M.W.L.

I have the honor to be

Yours most obed^{ser} & serv^t

No 3493.
The following estimate is sanctioned under
Revenue. Madras District.
Repairing the Kalayapalam bank. Rs: 630.
At King Madras Rs: 145
Pon Madras Rs: 145
Chief Engineer for Madras Rs: 15
District Engineer for Madras Rs: 5
Office of the Chief Engineer for Madras
No. 41195
10 Dec 1905
162/03
12-12-05

P. W. 1895 Sept
The District Engineer
Madras
No: 7781A
The Chief Engineer
for Irrigation
Madras

Dated 24 Nov 1905
Recd 29 Dec 1905
Encl: 1
No 3428

Forwards for
Sanction an estimate
of Rs. 630 for repairing
Kalayapalam bank
With M. S.

land will then be fully brought under irri-
gation.

W.A.
Govt. of 1875 Madras.
PUBLIC WORKS.

To *J. E. Madura*

Encl.

Recd.

Encl.

G. O. 18 Decr 1875, No. 3493

Nos. 162-163

Valayangalum Cauk
Madura Dist

Estimate of Rs 630 for
repairing ———— same
———— ————