

Government of Madras.

PUBLIC WORKS DEPARTMENT

IRRIGATION.
ACCOUNT.

Recd.

} 1916.

Enclosures

Regd.

Spare copies

G.O. No. 110 I., 7th March 1916

N. P.

Improvements to the Padinettangudi kanmoy, Periyar system

Sanctioning an estimate of Rs. 2,200 for "works" for —.

Government of Madras.

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Improvements to the Padinettangudi kanmoy, Periyar system

Sanctioning an estimate of Rs. 2,200 for "works" for —.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.
Account.

READ—the following papers :—

I

Letter—from C. MILDEED, Esq., A.M.I.C.E., Superintending Engineer, VI Circle.
To—the Chief Engineer for Irrigation.
Dated—Trichinopoly, the 11th August 1915.
No.—1327 C.B.

I have the honour to forward herewith for your approval and sanction of Government an estimate amounting to Rs. 1,720 for improvements to Padinettangudi kanmoy in Melur taluk, Madura district.

The report attached to the estimate clearly explains the necessity for improvements to the tank. An estimate amounting to Rs. 2,540 for repairs to the tank has been sanctioned by me. Early sanction to the estimate is requested.

ENCLOSURE.

Report to accompany the estimate for repairs and improvements to Padinettangudi kanmoy.

Estimate—	RS.
Repairs	2,540
Improvements	1,720
	Total 4,260

The tank is situated about half a mile north-east of Vellalapatti village of Melur taluk. Three tanks, Padinettangudi kanmoy, Karuthapichan Bundal, and Panyambuli kanmoy, form together one tank called Padinettangudi kanmoy which was improved and repaired in 1903-04. As the levels given in the descriptive memoir prepared in 1903-04 are found to be wrong a fresh memoir sheet is now prepared and accompanies this estimate.

2. *Bund*.—The bund is very worn as the cross-section shows. It is made of very poor soil and there is no better soil available for reforming it. On this account 2 to 1 slope in front and rear will be allowed from cross section 20 to the end and the top and sides for a distance of 2 feet from the top in front and 3 feet in rear will be covered with gravel to a depth of 4 inches, well rolled and watered. Near sluice No. 3 where the bund is exposed to wave action rough stone revetment $1\frac{1}{2}$ feet thick will be provided as shown in the longitudinal section.

3. *Sluice*.—The sluices are in good order generally and need only pointing and new locking arrangements, the old ones being out of order. It is proposed to replace, by a proper masonry sluice, a temporary pipe sluice which supplies Valayangulam an inam tank for which Periyar water is applied for every year.

4. *Weir*.—The weir does not need any modification or extension. The concrete foundations of the retaining wall of the apron are undermined owing to scour in the surplus channel in rear of the weir and the apron is in danger of collapsing. It is therefore proposed to build a second apron with a retaining wall as shown in the accompanying plans.

Data for the rates accompany.

Early sanction is requested so that the work can be done before the tank fills again.

M. O'BRIEN,
Executive Engineer, Madura division.

II

Memorandum No. 6131/15 B-1, dated 3rd September 1915.

It is observed that a provision of Rs. 435 has been made in the estimate for replacing a temporary pipe sluice by a masonry one. The approximate value of the temporary sluice to be replaced has not been reported as required by paragraph 1921 of the Public Works Department Code. This information should now be furnished.

2. It does not also appear that the approval of the Collector to the replacement has been obtained. This should now be done.

(By Order.)

F. E. MORGAN,
Assistant Chief Engineer for Irrigation.

To the Superintending Engineer, VI Circle,
with plans and estimate.

III

Reminder to the Superintending Engineer, VI Circle, dated 11th October 1915,
No. 6131.

From the Superintending Engineer, VI Circle, dated 21st October 1915, No. 1713 C.E./769.

IV

Letter—from J. S. WESTERDALE, Esq., Executive Engineer, Madura division.

To—the Superintending Engineer, VI Circle, Trichinopoly.

Dated—the 17th November 1915.

No.—1273 S.E.

With reference to endorsement No. 8292, dated 21st September 1915, I have the honour to report that the approximate value of the temporary pipe sluice is Rs. 80.

2. It has not been usual to obtain the approval of the Collector to any improvements carried out to tanks or tank sluice in connection with the Periyar system, presumably because the regulation and distribution of water is entirely under the control of this department.

3. In the present case the temporary pipe sluice under reference was inserted in the Padinettangudi tank bund by this department a short time ago to improve the supply to inam Valayangulam a tank which applies for Periyar water regularly and which is difficult to supply.

4. As it is now proposed to improve and repair the Padinettangudi tank generally, provision for a permanent masonry sluice was made in the estimate. Similar permanent sluices have been constructed in place of temporary sluices in the numerous tank improvements estimates which have been executed in the Periyar tract since the advent of the Periyar project and the approval of the Collector does not appear to be necessary.

5. I have to request therefore that such a precedent shall not be established now as it will only result in extra correspondence and consequent delay.

No. 1928 C.E./759, dated 1st December 1915.

Forwarded to the Chief Engineer for Irrigation with reference to the correspondence ending with this office No. 1760 C.E./769, dated 21st October 1915.

2. The approval of the Collector does not appear to be necessary under the circumstances.

3. The plans and estimate received back with the Irrigation Chief Engineer's Memorandum No. 6131/15-B., dated 3rd September 1915, are herewith returned.

L. D. VENKATARAMA AYYAR,
Superintending Engineer, VI Circle.

V

Note by the Chief Engineer for Irrigation No. 6131/15-2, dated
6th March 1916.

With his letter No. 1327 C.E., dated 11th August 1915, the Superintending Engineer, VI Circle, submits plans and estimates amounting to Rs. 1,720 for improvements to Padinettangudi kannoy, a Periyar affected tank in Melur taluk, Madura district.

2. The estimate provides for—

	RS.
(1) Constructing a second roughstone apron to the weir with a retaining wall at the end to protect the foundations of the existing apron wall from further scour. Estimate	620
(2) Constructing a permanent sluice in place of the existing temporary one for the irrigation of 109 acres	435
(3) Providing revetment to the bund near sluice No. 3	655

3. *Item 1.*—As the drop in rear of the existing apron is about 4.75 feet the second apron is proposed to be formed in two steps, the upper one in solid masonry to be 6 feet wide with a drop of $2\frac{1}{2}$ feet and the lower one to be 8 feet wide of roughstone dry packing with a drop of $2\frac{1}{4}$ feet.

Item 2.—The estimate makes no provision for baling. A sum of Rs. 25 has now been allowed in the estimate.

4. The estimate as altered above amounts to Rs. 2,200 and is recommended for sanction.

W. M. ELLIS, Col., R.E.,
Chief Engineer for Irrigation.

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

Order—No. 110 I., dated 7th March 1916.

The following estimate is sanctioned :—

Pariyar system.
Improvements to the Padinettangudi kanmoy.

I

49. Imperial, Irrigation.
Open Capital Account.
I. Works.
3. Distributaries.
C. Works.

Estimate—

	RS.
I. Works	1,740
II. Establishment	374
Total ...	2,114

II

Divided Head.
42. Major Works—Working Expenses.

	RS.
I. Extensions and Improvements	460

2. This sanction is registered as No. 97 I. of 1915-16 and will expire on 31st March 1917.

(True Extract.)

W. M. ELLIS, Col., R.E.,
Secretary to Government, P.W.D.
(Irrigation Branch).

To the Superintending Engineer, VI Circle,
with plans and estimate.
,, Accountant-General, Madras.

Forwarded to the

(By Order.)

Manager.

PUBLIC WORKS DEPARTMENT
(IRRIGATION BRANCH).

NOTES CONNECTED WITH G.O. 110 L., DATED
7TH MARCH 1916.

[SUBJECT.—*Improvements to Padinettangudi kanmoy, Periyar system.*]

*From the Superintending Engineer, VI Circle, dated 11th August 1915,
No. 1327-C.E.*

Submitted for orders whether the estimate for improvements to Padinettangudi kanmoy at a cost of Rs. 1,720, the necessity of which is explained in the report accompanying, received with the Superintending Engineer's letter read above, be checked for sanction.

2. The amount of the estimate is chargeable to the open capital account of the Periyar system. It is proposed to replace the temporary pipe sluice at L.S. 6,713 ft. by a masonry sluice at a cost of Rs 435. The Superintending Engineer has not stated the cost of temporary pipe sluice to be replaced as required by paragraph 1921, Public Works Department Code. It is stated that this temporary pipe sluice supplies Velayangulam, an *inam tank*. The Superintending Engineer does not appear to have obtained the Collector's approval to the replacement. These particulars may, if approved, be called for from the Superintending Engineer, before the estimate is taken up for check in the T section.

W.M.E.—30-8-15.

T.S.N.—26-8-15.

A.V.S.—27-8-15.

If the estimate is split into two, then they could be sanctioned by the Superintending Engineer.

F. E. MORGAN—30-8-15.

The necessary reference may be made to the Superintending Engineer.

W. M. ELLIS—30-8-15.

Draft memorandum to the Superintending Engineer, VI Circle, is put up for approval.

After issue, the estimate will be checked in the T section.

M.S.V.—31-8-15.

G.V.—31-8-15.

F.E.M.—31-8-15.

[Memorandum to the Superintending Engineer, VI Circle, dated
3rd September 1915, No. 6131-15 B-1.]

As the Superintending Engineer has not resubmitted the estimate with the information called for and the Collector's countersignature, a draft reminder to him is put up for approval and issue.

A.V.R.—9-10-15.

M.S.V.—11-10-15.

Issue.

P. K. SUBBA AYYAR—11-10-15.

*From the Superintending Engineer, VI Circle, dated 21st October 1915,
No. 1760 C.E./769.*

Submitted that the file may, in the circumstances reported, lie over till the 10th December next.

A.V.R.—23-10-15.

M.S.V.—23-10-15.

F. E. MORGAN—25-10-15.

*From the Superintending Engineer, VI Circle, dated 1st December 1915,
No. 1928 C.E./769.*

In reply to memorandum No. 6131/15, dated 3rd September 1915, the Executive Engineer, Madura division, reports that the approximate value of the temporary pipe sluice proposed to be replaced is Rs. 60 and that it has not been usual to obtain the approval of the Collector to such estimates as the regulation and distribution of water in the Periyar system is entirely under the control of the Public Works Department.

2. For orders whether the estimate may now be checked.

B.G.R.—9-12-15.

M.S.V.—9-12-15.

F.E.M.—9-12-15.

Yes.

W. M. ELLIS—10-12-15.

The estimate has been examined and the following points are brought to notice:—

1. It is reported that the tank was repaired and improved in 1903-04 and that it now requires repairs to the bund, etc., and improvements to the sluice and surplus works. Regarding the repairs required, it is stated that an estimate has been sanctioned by the Superintending Engineer for Rs. 2,540. The present estimate provides for the undermentioned items, for the improvements to the tank:—

	Estimate.
	RS.
(1) Constructing a second apron with a retaining wall at the end to protect the foundations of the existing retaining wall from further SCOUR	620
(2) Constructing a permanent sluice in place of the existing temporary one for the irrigation of 109 acres	435
(3) Providing revetment to the tank-bund near sluice No. III	665

Item No. 1.—As the drop from the existing apron to the new apron is $2\frac{1}{2}$ feet, unless the new apron near the old retaining wall is made absolutely watertight, it is

probable that the foundations of the old retaining wall will again be exposed to water action.

F.E.M. For orders if the new apron may be grouted, if not entirely built with the roughstone in surki mortar.

Item No. 2.—The design shows a length of 60 feet barrel for the sluice. The length of the barrel may be shortened in which case, provision will have to be made for taking the cart-track over the irrigation channel. As the latter arrangement will be more costly, it is submitted that the Superintending Engineer's design may be accepted. No provision for baling is made in the estimate. If approved, an amount of Rs. 25 will be allowed for it.

Rates.—The rates which are supported by data do not differ much from the current schedule of rates and may be accepted.

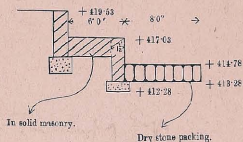
N.L.R.—17-2-16.

T.R.N.—18-2-16.

F.E.M.—18-2-16.

I think it is desirable to put the additions to the weir in two steps each 6 feet wide and 8 feet wide and $2\frac{1}{2}$ feet drops and $2\frac{1}{4}$ feet drops respectively.

W. M. ELLIS—22-2-16.



The plans and estimates have been altered as ordered above. The total amounts to Rs. 2,200.

2. Draft note by the Chief Engineer for Irrigation is submitted below for approval.

N.L.R.—28-2-16.

T.R.N.—22-2-16.

A draft order sanctioning the estimate is also put up.

2. The approximate value of the temporary pipe sluice proposed to be replaced is reported to be Rs. 60. The cost of replacing this temporary sluice is Rs. 460 only and this whole amount has been debited against "Revenue" with reference to paragraph 1921 of the Public Works Department Code. The other two items of the estimate which aggregate Rs. 1,740 have been charged to the Open Capital account of the Periyar system.

M.S.V.—4-3-16.

M.S.V.—6-3-16.

There is no provision for this work in preliminary issue of budget. Provision should be made in final issue.

F. E. MORGAN—6-3-16.

W.M.E.—6-3-16.

[G.O. No. 110 I, dated 7th March 1916.]

1-1-10
707
10/7/00
data

Waters
Wright

Chief Engineer
Wright
Waters

The Chief Engineer
Wright

Wright
Waters

10/7/00
10/7/00

to inform you that
the reference is pending
with the Chief Engineer
Wright
Waters

is expected in your
office before end of
November

Wright
Waters

Wright
Waters
Chief Engineer
Wright
Waters

Chief Engineer
Wright
Waters

Return of the case for
discussion with certain information
to the Chief Engineer



6/3/15 C.T. 88.

I REMINDER. 6/3/15

REPLY.

no of 7602 date 21-10-15
769
5 pp
quote

To

The Supg Engr
VI circle

To

The Chief Engineer for
Irrigation
Madras.

The undersigned has the honour to invite
is directed to invite
invites

attention to the communication noted in the
margin and to
request that
this reminder may be returned at once with
information as to—

- (1) the stage at which the matter now is,
- (2) the date by which a reply may be expected and
- (3) the circumstances which have caused the delay.

2. It is requested that the reply to this
reminder may be sent not later than 21. 10. 15

Sir; I have the honour
to inform you that
the reference is pending
with the Executive Engr
Madras division who has been requested
to expedite the disposal of this reference
and the same may
be expected in your
office before end of
November 15

13/10/15

Office of the Supg Engr
Station chennai
Dated 12. 10. 15

P. K. Subramanyam
Signature.
for the Engr for Impn
Designation.
11-10-15

I have the
Honour
Supg Engr
VI Circle

SUBJECT.

Impn to Panneltampud. Kanmay
Returning the ests for — for resub.
mission with certain information and
the collector's counter signature

1918-19
 Public Works
 Investigation Branch
 1918-19

REMINDS

Chief Engineer for
 Investigation
 Madras

The Chief Engineer
 VI Circle

In view of the
 to inform you that
 the reference is being
 with the Chief Engineer
 be reported in your
 office before your
 November 2

Please see
 Chief Engineer
 VI Circle

The enclosed
 has the honor to reply
 in relation to the communication
 dated 12/12/18
 the manner may be returned
 (1) the date at which the matter has
 (2) the date at which a reply may be
 expected
 If it is requested that the reply to this
 communication may be sent not later than 21.12.18

Chief Engineer
 VI Circle
 Madras

SUBJECT

Returning the late for
 mission with certain information
 the collected communication

Public Works
Irrigation

From the S.E.VI, no 1327 C.E. 11-8-1915

To - - - no. 613/15B-1839-1

From - - - no. 1928 C.E. 11-12-11

769

No 613/15-2/

The Suptg Supt
Irrigation

Note by the Chief Engineer
for Irrigation

8/P

Madras.

With his letter No.1327 C.E. dated 11th August 1915, the S.E.VI Circle submits plans and estimates amounting to Rs.1,720 for improvements to Padinettangudi Kanroy, a Periyar affected tank in Melur taluk, Madura Et.

2. The estimate provides for:

- (1) Constructing a second roughstone apron to the weir with a retaining wall at the end to protect the foundations of the existing apron wall from further scour. Estimate.. .. Rs. 620
- (2) Constructing a permanent sluice in place of the existing temporary one for the irrigation of 100 acres. Rs. 435
- (3) Providing revetment to the bund near sluice No.3. 665

3. Item 1. As the drop in rear of the

613/15-2/ 2-15

22-11-15

Page 10 of 14

1/11/15

Returning the notes for - - - for record

with certain information

for the attention of the

From the Rev. Mr. [unclear] 11-8-18
To - [unclear] 11-8-18
[unclear] - [unclear] 11-8-18
[unclear]

[unclear]
[unclear]
[unclear]

[unclear]

[unclear]

9 p

Plan M No 28A
1915
Page 5 of 47

the existing apron is about 4.75 ft
the second apron is proposed to be ~~one~~ ^{formed}
in 2 steps, the upper one in solid
masonry ^{5 ft} 6' wide with a drop of 2 1/2 ft
and the lower one ^{5 ft} 8 ft wide consisting
of roughstone dry packing with a drop
of 2 1/2 ft.

Item 2. The estimate makes no pro-
vision for baling. A sum of Rs 25/
has now been allowed in the estimate.

4 The estimate as altered above
amounts to Rs. 2,200 and is recommended
for sanction.

x May 1

11/10/15
28/2/16

Handwritten signature and initials

Handwritten signature and date 6/3/16

To
The Secy to Govt: P.W.D. (Irrigation)

Handwritten signature and date 28/2/16

Handwritten text at the top of the page, including the number '9' and some illegible characters.

Handwritten text in the upper middle section, including the word 'Pain' written vertically.

Large area of faint, mostly illegible handwritten text in the middle of the page.

- ②
- 1 paper on sheep skin
 - 1 paper
 - 1 Tearing machine
 - 1 Remington's
 - 1 Beta
 - 1 Beta
 - 1 Beta
 - 1 Beta

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Improvements to the Padinattangudi Kannyo,
Periyar System,
Sanctioning an estimate of Rs 2,200 for works
for _____

Tanks
Irrigation

READ AGAIN G.O. No. _____, dated _____ 19____

READ ALSO:-

C. No. 613/15, From the Chief Engr for Irrig No. 613/15-2, dated 6-3-1916
Print

ORDER.
Press

No. 110 I, dated 7-3-1916

Print note

The following estimate is
sanctioned: _____

Periyar System

Improvements to the Padinattangudi
Kannyo.

- Plans
- 1. Upper adai group minor basin
- 1. Report
- 1. Tracing showing Padinattangudi Kannyo.
- 1. Perungala hudy minor basin
- 1. Data sheet
- 1. Estimate
- 1. Classified abstract

- I
- 49. Imperial, Irrigation
- Open Capital Account
- I. Works
- 3. Distributaries

Estimate	Rs
I Works...	1740
II Esttbt ...	374
Total	2,114

II
42 major works - Working Expenses
I Extensions & Improvements
Rs 460

100
1740
2114

DISPATCHED
Date 1916
By _____

To S.E. VI with plans & estimate
A.G. Mavrus

Typed by 8/7/16

Miss F. M. Wood 11/3/16

This sanction is registered as no. 97 I of 1915-16 & will expire on 31-3-17
Issue

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