Public Works (1897) Department.

G.O., No. 739 I

DATED 10th August 1897

11/8/97

[Despatch Abstract.]

Perambur tank: Estimate of Rs. 7,000 for improving and repairing the — in Tanjore Dn sanctioned, Rs. 386 of the proposed outlay being provided by the Taluk Board, Tanjore.

110/6.

2-C/W8

[P.W. 3
1,300—30-11-96.]

Indexed.

BACK PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

FURTHER PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

IRRIGATION.
ACCOUNT.

Government {1897} of Madras.

PUBLIC WORKS.

Recd. } 1897. *Enclosures*
Regd. } *Spare copies*

G.O., No. 739 I., 10th August 1897.

AUGUST.

Perambur Tank

Estimate of Rs. 7,000 for improving and repairing the — in Tanjore division, sanctioned, Rs. 386 of the proposed outlay being provided by the Taluk Board, Tanjore.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.
Account.

Read—the following papers :—

From the	Superintending Engineer,	V	Circle, dated	23rd Aug. 1895,	No.	264 E.I.
To the	,, ,,	V	,, ,,	30th ,,	,, ,,	V/48 T.J.
From the	,, ,,	V	,, ,,	9th Nov.	,, ,,	357 E.I.
To the	,, ,,	V	,, ,,	17th ,,	,, ,,	V/63 T.J.
From the	,, ,,	V	,, ,,	29th April 1896,	,,	87 E.I.
To the	,, ,,	V	,, ,,	21st May	,, ,,	V/37 T.J.
From the	,, ,,	V	,, ,,	1st July	,, ,,	127 E.I.
To the	,, ,,	V	,, ,,	11th ,,	,, ,,	V/53 T.J.
From the	,, ,,	V	,, ,,	10th March 1897,	,,	71 E.I.
To the	,, ,,	V	,, ,,	7th April	,, ,,	V/39 T.J.

From C. H. T. NORFOR, Esq., Executive Engineer, Tanjore division, to the Superintending Engineer, V Circle, dated 10th July 1897, No. 2896.

In reply to the Chief Engineer's memo., No. V/39 T.J., dated 7th April 1897, communicated with your No. 133 T.J. of 13th April 1897, I have the honour to report that by allowing the surplus water of the tank to discharge over the new weir proposed (in the accompanying estimate) to be constructed on the right flank, at the place where the tank usually finds its relief through a breach, and then to take its own course, the interests of none of the ryots are in the least affected; that the punjah land through which the surplus water has to pass is of little or no use to the kudies concerned, as it is only used by some for cotton cultivation and is valued at Re. 1 to Rs. $1\frac{1}{2}$ per acre.

2. The majority of these men do not think it worth their while to cultivate the portion belonging to them, and they have accordingly submitted a written statement to show that they are satisfied that they would suffer no loss by the proposed arrangement of passing the surplus through the new weir, and if they do — which is by no means likely — they are prepared to forego any claims for compensation.

3. With regard to paragraph 2 of the Chief Engineer's memorandum, the kudies request in the accompanying statement signed by them, that the present calingula should be built up as it is within the influence of the channel. The site proposed for the new weir is undoubtedly the best that could have been chosen, and this has also been the opinion of Mr. Johnston (*vide* this office No. 3733 of 26th October 1895).

4. With regard to the last paragraph of the memorandum, copy of the extract of the Proceedings of the taluk board of Tanjore, dated 24th June 1897, is enclosed for information, from which it will be seen that they agree to maintain the gravelled portion of the road.

5. The plans and estimate connected with the Perambur tank improvements are resubmitted for sanction.

Enclosures.

Report to accompany the estimate for repairing the Perambur tank.

	RS.
Amount of estimate	7,000

This tank has a catchment area of 5 square miles and is also fed by Anandacauvery branching from Vennar. The existing calingula at the left flank is nearly 32 feet long; and deducting for the upright stones there is left an effective length of 25 feet (for surplussing the run off from the catchment basin and the quantity of supply from Anandacauvery) which is sadly inadequate; and consequently the tank bund is frequently subject to breaches. The bund is in very bad order and is in some places barely above full tank level.

2. It is proposed in the accompanying estimate—

(*a*) to raise the bund to a proper margin of 3 feet above M.F.L. giving a top width of 4 feet and side slopes of $1\frac{1}{2}$ to 1, except in portions carrying a Local fund road (from left flank to C.S. No. 27 where 12 feet top width is allowed to accommodate cart traffic, the necessary extra widening being provided for in a separate estimate enclosed, to be charged to Local funds);

Not chargeable to Local Funds—*vide* G.O., No. 609 I., dated 5th August 1891.
The extra quantity estimated for separately is now included in this estimate.

(*b*) to build a weir 148 feet long (*vide* Hydraulic statement) as per accompanying plan at the right flank of bund as shown on the site sketch.

The cost of cutting a surplus channel from the new weir to the new jungle stream, a distance of 3 miles, would be very high, and it is proposed to cut no tail channel, but let the surplus water find its own way to the jungle stream, after leaving the weir. This has practically been done already, the water having always breached the bund and flooded in rear. It is not possible to lengthen the existing calingula and we have no other alternative to arrange for the disposal of the surplus. A lump sum of Rs. 20 is allowed in the estimate to build up the calingula to the level of F.T.L.

Because site is land-locked.

3. There are six sluices to this tank :

(1) Rajendur.	(3) Natham.	(5) Thennugudy.
(2) Pathinaluveli.	(4) Rajan.	(6) Seralore.

Out of these, Nos. (1), (2) and (5) are in a ruined condition, and the estimate provides for reconstructing them as per plans; No. 3 is in good order, but requires some petty repairs, for which a lump sum of Rs. 10 is allowed in the estimate; No. 4 requires a new head; and No. 6 which was newly built a little above the old sluice (*vide* sketch) some years ago, has never been in use, and it should be opened instead of the old sluice.

4. The estimate provides also for gravelling the top throughout, planting wild cane along the front slope and turfing the rear slope.

(Signed) T. T. RAGHAVA CHARIYAR,
Assistant Engineer in charge of Division.

Resubmitted.

(Signed) J. C. JOHNSTON,
Executive Engineer.

17th January 1896.

Extract from the Proceedings of the Taluk Board of Tanjore, dated 28th January 1897.

* * * * *

14. Read—Executive Engineer's letter, No. 382, dated 11th September 1896, forwarding an estimate for the repair of the bund of Perambur tank which is used as a road, and the Tahsildar's remarks thereon No. 4514, dated 16th December 1896.

A sum of Rs. 386 is sanctioned as shown below (earthwork Rs. 293, supervision Rs. 73, sundries Rs. 20). The taluk board is not able to provide funds for gravelling the road.

* * * * *

(Signed) C. MURUGASAM,
President, Taluk Board.

Extract from the Proceedings of the Taluk Board of Tanjore, dated 24th June 1897.

* * * * *

16. Read—Executive Engineer's letter, No. 2625, dated 22nd June 1897, requesting to be informed if the taluk board is willing to maintain the gravelled portion of the Perambur village road near the tank, if the road is first gravelled at the cost of Public Works Department.

The cost of maintaining the gravelled portion of the road will be borne by the taluk board.

* * * * *

(Signed) C. MURUGASAM,
President, Taluk Board.

No. 167 E.I.

To the Chief Engineer for Irrigation with reference to his No. V/39 T.J., dated 7th April 1897.

The plans and estimate connected with the improvements to the Perambur tank are resubmitted for sanction.

16th July 1897.
(Signed) C. C. RAWSON, Lieut.-Col., R.E.,
Superintending Engineer, V Circle.

No. 154 I.

Note by the Chief Engineer for Irrigation.

The Perambur tank belongs to the Cauvery delta system. It irrigates 1,794 acres with a revenue of Rs. 7,881. For a length of nearly a mile and a half, the bank carries a road, which the Executive Engineer reports is not gravelled and to which the bad state of the bank is attributed. The accompanying estimate, amounting to Rs. 7,000, provides for putting the tank in order, and of this sum, Rs. 2,545 is required for gravelling the top of the bank.

2. The rules for the maintenance of roads on irrigation banks lay down that when it is required to raise a bank and thus interfere with a road on the bank, the Public Works Department should make the new surface of the same width and material as before. The taluk board, with whom rests the maintenance of the road, was consequently asked if it would bear the whole or part of the cost of the item for gravelling, viz., Rs. 2,545, and has replied that it is not able to provide funds for gravelling, but has sanctioned a sum of Rs. 386 for earthwork rendered necessary for the extra width required for the road. The Superintending Engineer is of opinion that the Public Works Department should bear the cost of the gravelling to protect the bank.

3. As the Taluk Board, Tanjore, has agreed to maintain the gravelled portion of the tank bund, the estimate may be sanctioned.

4. With reference to paragraph 13, chapter V, Public Works Code, Volume II, the outlay may be charged to 42. Major Works (Working Expenses)—Maintenance and Repairs, Cauvery delta system.

29th July 1897.
(Signed) W. HUGHES,
Chief Engineer for Irrigation.

Order—No. 739 I., dated 10th August 1897.

The following estimate is sanctioned, Rs. 386 of the proposed outlay being provided by the Taluk Board, Tanjore:—

Irrigation.
42. Major Works (Working Expenses).
Cauvery Delta System.
Vennar Section.
2. Maintenance and Repairs.
3. Distributaries.
Improving and repairing the Perambur tank.

Estimate—

		RS.	RS.
2. Works—	(1) Constructing sluice No. 1	500	
	(2) Do. do. No. 2	510	
	(3) Providing new head to sluice No. 4 ...	160	
	(4) Constructing sluice No. 5	500	
	(5) Do. a flush escape	1,170	
	(6) Building the existing calingula up to F.T.L.	20	
	(7) Repairing sluices Nos. 3 and 6... ...	10	
			2,870
3. Earthwork—	(8) Repairing tank bund	4,130	
			4,130
	Total estimate ...		7,000

2. This sanction is registered as No. 67 I. of 1897–98.

(True Extract.)

Under Secretary to Government,
Irrigation Branch.

To the Chief Engineer for Irrigation.
„ Superintending Engineer, V Circle, with fourteen enclosures.
„ Examiner, Public Works Accounts.
„ Local and Municipal Department.

Exd. T. K. Narayana Aiyangar.

Public Works (1897) Department.

7349

CURRENT No. 7904

Order

From The Chief Engineer for Irrigation

No. 154 I

Dated 29th July 1897
Received 9.8.97 ~~July 1897~~
Enclosures ~~16~~ 7 28 (7 9. blues)
Spare copies

JE9

11/8

Regd Sl 11/8/97

SUBJECT.

Perambur Tank - Cauvery Delta system - Recommending with remarks for sanction the estimate for the improvements of. —

BACK PAPERS.

No.	Date.

FURTHER PAPERS.

No.	Date.

His Excellency the Governor

No. 739 I, dated 10 August 1897

PUBLIC WORKS DEPARTMENT,
IRRIGATION BRANCH.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Estimate for improvements to Perambur Tank. Tanjore Dt.

Irrigation Act

UNDER date the 9 8

READ the following

From the Supg. Engineer, Fifth Circle. (H.E. No. 264. E.I. dated 23. 8. 95).
To —— do. —— do. —— (H.E. No. $\frac{V}{48\text{-}T.I.}$ dated 30. 8-95).
From —— do. —— do. —— (H.E. No. 357. E.I. dated 9. 11. 95).
To —— do —— do. —— (H.E. No. $\frac{V}{63\text{-}T.I.}$ dated 17. 11. 95).
From —— do —— do. —— (H.E. No. 87. E.I. dated 29. 4-96).
To —— do. —— do. —— (H.E. No. $\frac{V}{37\text{-}T.I.}$ dated 21. 5-96).
From —— do. —— do. —— (H.E. No. 127. E.I. dated 1. 7. 96).
To —— do. —— do. —— (H.E. No. $\frac{V}{53\text{-}T.I.}$ dated 11. 7-96).
From —— do —— do. —— (H.E. No. 71. E.I. dated 10. 3 97).
To —— do —— do. —— (H.E. No. $\frac{V}{39\text{-}T.I.}$ dated 7. 4-97).
Fifth ~~From~~ —— do —— do. —— (H.E. No. 167. E.I. dated 16. 7-97).

No. 154 I. of 29. 7-97

1 SP

Quote

Print with the Report and the two Props. of the Tanjore Taluq Board

Note by the Chief Engineer for Irrgn.

The Perambur tank belongs to the Cauvery delta system. It irrigates 1794 acres with a revenue of Rs. 7881. For a length of nearly a mile & a half, the bank carries a road which the Executive Engineer reports is not gravelled and to which the bad state of the bank is attributed. The accompanying estimate, amounting to Rupees 7,000, provides for putting the tank in order and of this sum, Rs. 2,545 is

Issue

For S

is required for gravelling the top of the bank.

2. The rules for the maintenance of roads on irrigation banks lay down that when it is required to raise a bank and thus interfere with a road on the bank, the Public Works department should make the new surface of the same width and material as before. The Taluq board with whom rests the maintenance of the road, was consequently asked if it would bear the whole or part of the cost of the item for gravelling, viz. Rs. 2,545, and has replied that it is not able to provide funds for gravelling but has sanctioned a sum of Rs. 386 for earthwork rendered necessary for the extra width required for the road. The Superintending Engineer is of opinion that the Public Works department should bear the cost of the gravelling to protect the bank.

3. As the Taluq board, Tanjore, has agreed to maintain the gravelled portion of the tank bund, the estimate may be sanctioned.

4. With reference to para 13,

2-54
3897

Chap. V, P.W. Code Vol. II, the outlay may be charged to 42, Major Works, (Working Expenses), Maintenance and Repairs, Cauvery delta System.

No. 739 I, dated 10-8-97.

Order thereon.

The following estimate is sanctioned, Rupees 386 of the proposed outlay being provided by the Taluq board, Tanjore:—

Irrigation.
42, Major Works, (Working Expenses).
Cauvery Delta System.
Vennar Section.
2, Maintenance and Repairs.
3, Distributaries.

Improving and repairing the Perambur tank.

Estimate—

	Rs.	Rs.
2. Works—(1). Constructing Sluice No. 1	500.	
(2). — do — do — No. 2	510.	
(3). Providing new head to sluice No. 4.	160.	
(4). Constructing Sluice No. 5	500.	
(5). Constructing a flush escape.	1170.	
(6). Building the existing Calingulah up to F.T.L.	20.	
(7). Repairing Sluices Nos. 3 and 6.	10.	
		2,870

3. Earthwork

Rs Rs.
2870

3- Earthwork. -(8)- Repairing tank
bund. ——— 4130
——— 4130
Total Estimate 7,000.

2. This sanction is registered as
No. 67 I of 1897-98.

JH
29/7/97

W.H.
29.7.97

To
The Chief Engineer for Irrigation
" Supg Engineer, Fifth Circle. | with 14 Enclos
" Examiner, P.W. Accounts.
" Local and Municipal Dept.

2/8/97

29/12/82

E. P. Form No. 1—500—3-12-96.

P. W.

~~Political~~ (1897) Department.

CURRENT No. 93. I. J.

From The Supg Engineer
5th Circle

Order

No. 167. E. I.

Dated 16th July 1897.
Received 17—7—97
Registered
Enclosures
Spare copies

SUBJECT

Perumbore Tank —
Resubmits for sanction
plans & estimate for im-
-provements to the —

BACK PAPERS.

G.O.	No.	Department.	Date.

FURTHER PAPERS.

G.O.	No.	Department.	Date.

150

Report to accompany the Estimate for Repairing the Perambur Tank

Amount of Estimate ~~Rs~~ ~~5000~~ ~~[illegible]~~ 7000 W.

14/13

This tank has a catchment area of 5 sq miles and is also fed by Ananda-Cauvery branching from Vennar-. The existing calingula at the left flank is nearly 32 feet long; and deducting for the upright stones there is left an effective length of 25 ft (for surplussing the run-off from the catchment basin and the quantity of supply from Ananda-Cauvery) which is sadly inadequate; and consequently the tank bund is frequently subject to breaches. The bund is in very bad order and is in some places barely above Full tank level.

2. It is proposed in the accompanying Estimate;

(a) to raise the bund to a proper margin of ~~4~~ 3 feet above M.F.L giving a top-width of ~~6~~ 4' and side slopes of 1½ to 1, except in portions carrying a Local Fund-Road (from left flank to C.S. No. 27 where 12 ft top width is allowed to accommodate cart traffic, the necessary extra widening being provided for in a separate estimate enclosed to be charged to Local Funds).

W. 13/3/96

not Chargeable to Local Funds vide G.O. No. 609 I 5.8.185[illegible]

The extra quantity estimated for separately is now included in this Estimate -

(b) ~~to~~ build a weir ~~183~~ 148 ft long (vide
Hydraulic statement) as per accompa-
nying plan at the right flank of bund.
as shown on the site sketch. The cost
of cutting a surplus channel from the
new weir to the new jungle stream,
a distance of three miles, would be
very high, and it is proposed to cut no
tail channel but let the surplus
water find its own way to the jungle
stream after leaving the weir. This
has practically been done already
the water having always breached the
bund and flooded in rear. It is not
possible to lengthen the existing Calingula } because site is land locked.
& we have no other alternative to arrange
for the disposal of the surplus. A
lump sum of Rs 20 is allowed in
the Estimate to build up the Calingula
to the level of F. T. L.

(3) There are 6 sluices to this tank;
(1) Rajendar. (2.) Pathinalvedi, (3) Natham
(4) Rayan. (5) Thirumagandi. (6) Seralore.
Out of these No s 1. 2. & 5 are in a ruined
condition and the estimate provides
for reconstructing them as per
plans. No 3 is in good order, but
requires some petty repairs, for
which a lump sum of Rs 10 is
allowed in the Estimate. No 4
requires a new head & No 6 which
was newly built a little above
the old Sluice (vide sketch), some
years ago, has never been in use
and it should be opened instead
of the old Sluice.

(4) The estimate provides also
for gravelling the top throughout,
planting wild-cane along the front
slope and turfing the rear slope

T. Raghavachari
Assistant Engineer
Incharge of Dn.

GR
17/6.

16.1.96

re-submitted

John C. Johnston
17.1.96

CHIEF ENGINEER
FOR IRRIGATION.
30 APR. 95
No. 377 J
4

CHIEF ENGINEER
FOR IRRIGATION.
12 MAR. 97
No. R 317 J
5

CHIEF ENGINEER
FOR IRRIGATION.
26 AUG. 95
No. R 640 J
6

FOR IRRIGATION.
2-
No. R 537 J
4

R 939 J/97
12

Pwc.1
29.4.97

Extract from the Proceedings of the Talu
Board of Tanjore ~~dated~~ 28 January 1897

68

Road:- 14 Executive Engineer's letter no 38
dated 11 September 1896 forwarding an estimate
for the repairs of the bund of Perambür Tank
which is used as a road and the Tahsil
dar's remarks thereon No. 4514 dated 16.12.

A sum of Rs 386 is sanctioned as shown below (Earthwork Rs 293; Supervision Rs ~~Rs~~ 73, Sundries 20.). The Taluq Board is not able to provide funds for gravelling the road.

(Signed) C. Murugasam
President Taluq Boa

(True copy)

8/3/896 Lt Col RE
Superintending Engineer 5 Circle.

6.3.97

CHIEF ENGINEER
FOR IRRIGATION.
14-7-97
No. 1/3179
1

SUPERINTENDING ENGINEER'S OFFICE,
No. 1/458 T.J.
13 JUL. 1897
V. CIRCLE, P.W.D., MADRAS.

R 93 D.J/97
10

SUPERINTENDING ENGINEER'S OFFICE,
No. 4/458 T.J.
13 JUL. 1897
V. CIRCLE, P.W.D., MADRAS.

Proceedings of the Taluq Board Tanjore d/24-6-97

R 93 D.J/97

Informing that the cost of maintaining the gravelled portion of the Perambur bank road will be borne by the Taluq Board.

G.S.29
7504/97

Extract from the Proceedings of the Taluq Board of Tanjore dated 24-6-97.

× × ×

16. Read: Executive Engineer's letter No. $\frac{2625}{22\text{-}6\text{-}97}$, requesting to be informed if the Taluq Board is willing to maintain the gravelled portion of the Perambur Village Road near the Tank if the road is first gravelled at the cost of Public Works Department.

The cost of maintaining the gravelled portion of the road will be borne by the Taluq Board.

× × ×

(Signed) C. Murugesam.
President Taluq Board

(True copy).

C. Ellis
Exec: Engineer

Copy of a letter from C. A. T. Norton Esquire Executive Engineer, Tanjore Division, to the Supdg. Engineer 5th Circle, No. 2896 dated 10 July 1897.

In reply to the Chief Engineer's Memorandum No. $\frac{V}{39\ I.J.}$ dated 7th April 1897 communicated with your No. 133 I.J. of 13th April 1897, I have the honour to report that by allowing the surplus water of the tank to discharge over the new weir proposed (in the accompanying estimate) to be constructed on the Right flank, at the place where the tank usually finds its relief through a breach, and then to take its own course, the interests of none of the ryots are in the least affected; that the Punjah land through which the surplus water has to pass is of little or no use to the Kudies concerned as it is only used by some for cotton cultivation and is valued at Rupee 1 to 1½ Rs per acre.

2. The majority of these men do not think it worth their while to cultivate the portion belonging to them, and they have accordingly submitted a written statement to show that they are satisfied that they would suffer no loss, by the proposed arrangement of passing the surplus through the new weir, and if they do - which is by no means likely -

they

they are prepared to forego any claims for compensation.

3. With regard to para 2 of the Chief Engineers Memo., the Kudies request in the accompanying statement, signed by them, that the present calingulah should be built up as it is within the influence of the channel. The site proposed for the new weir is undoubtedly the best that could have been chosen and this has also been the opinion of Mr Johnston, vide this office No 3733 of 26th October 1895.

4. With regard to the last para of the memo, copy of the extract of the Proceedings of the Taluq Board of Tanjore dated 24th June 1897 is enclosed for information, from which it will be seen that they agree to maintain the gravelled portion of the Road.

Flagged B.

5. The plans and estimate connected with the Perambur Tank Improvements are re-submitted for sanction.

No 167 E.

To the Chief Engineer for Irrigation with reference to his No $\frac{V}{397J}$ dated 7 April 1897.

The plans and estimate connected with the improvements to the Perambur Tank are resubmitted for sanction.

Enclosures. 16
1 Report
1 Hydraulic statement
1 Detailed estimate
1 General abstract Estimate
3 Levels
5 Plans of masonry works
1 Survey plan
1 copy of Pro: of the Tanjore Tq. Bd. D/ 24.6.97
1 — do — d — D/ 28.1.97
1 statement of the Kudies
16

C. Lamm
16/7/97
Lt-Col R.E.
Superintending Engineer
5th Circle

Dated 16th July/97.

15-7-97

R93 I.J
17-7-97

0518
7904/97

Type soon

Re 3/35 pm
7/4/97

No. V
39 I.J Dt 7-4-97

S. E V.
No 71 E I dt 10 Mch 1897

The proposal to dispose of nearly all the surplus of the Perambur tank at the right flank instead of as now at the left flank seems to require further consideration. It is stated that owing to the expense of cutting a surplus channel to the Muthalimuttan vari the water from the new weir is to be allowed to take its own course over the fields but there is nothing to show that the ryots whose crops would suffer have agreed to allow this. It is true there is a small opening through the bund at the right flank and it may be that breaches some sometimes occur near the right flank but this would only show that the crops are liable to occasional and accidental injury. It may be that if the tank were made to surplus regularly at this place heavy claims for compensation would arise and that Govt. would have to pay them in excavatg a regular supply chl. As the nature of the land and crops which would be affected is not stated some further enquiry should be made —

It should be considered whether claims ~~could~~ for compensation could be avoided by leaving the Calingula at the left flank as it is to pass ordinary supplies and building a weir or byework at the right flank with crest one ft above FSL for ~~use~~ the disposal of part of the water in heavy floods —

If the District Board will agree to maintain a gravelled road the amount provided in the est. for gravelling will be passed. Otherwise the gravelling should be omitted and only sand if anything provided for the roadway.

W.H.
7/4/97

Rec 5.19
7904/97

SUPERINTENDING ENGINEER'S OFFICE,
V CIRCLE, MADRAS,
Chepák, 18th March 1897.

No. 71 E.I.

From
Lieut. Colonel C.C. Rawson R.E.
SUPERINTENDING ENGINEER, V CIRCLE,

To
THE Chief Engineer
for Irrigation.

SIR,

In returning the plan and estimate for improving the Perambur tank in Tanjore taluq received with your Memorandum No. XV/537 J dated 11th July 1896, I have the honour to report that on the President District Board being addressed by the Executive Engineer Tanjore to state if the whole or part of the item of Rs 2545/ for gravelling the Perambur tank bund can be paid by the District Board, that officer referred him to the President Taluq Board as the District Board does not maintain any road on rivers or tank banks in the District.

2. In reply to the Executive Engineer's reference

Enclosures. 14
1 Copy of Tanjore Tq's Board Pro: N 28.1.97
1 Report
1 Hydraulic statement
1 Detailed estimate
1 General abstract estimate
3 Levels
5 plans of masonry works
1 Survey plan
14

500—25-2-96.

reference on the subject, the Taluq Board have sanctioned only Rs $\overset{356\;2}{\boxed{393}}$/ and state that it is unable to provide funds for gravelling the road - vide copy of its Proceedings dated 28 January 1897 - enclosed.

3. I think that this gravelling should be paid for by this department in order to protect the top of the bund.

I have the honours to be,

Sir,

Your most obedt. Servant

8/3/97 Lt Col R.E.

Superintending Engineer

5th Circle

6.3.97

From

THE SUPERINTENDING ENGINEER,
V CIRCLE,

CHIEF ENGINEER
FOR IRRIGATION.
02 MAR 97
No. 1317 J

To

THE

Dated }
Recd. } 189

ENCLOSURES.

No.

[illegible]

E. I. Form No. 2—200—14-4-94

OFFICE OF THE CHIEF ENGINEER FOR IRRIGATION,
Madras, 11th July 1896.

Irrigation

No. V/53. I. J

MEMORANDUM.

Enclosures.

With reference to Supg Engineer's No. 127. E. I. d/ 1st July 1896, the undersigned has the honour to observe that G.O. No 609. I. d/ 5th August 1890 provides that should it be found necessary to raise a bank carrying a road, the P.W.D. should make it of the same width and materials as before. As the Executive Engineer now reports that there is no gravel in the bank, the Supg Engineer is requested to report whether the whole or part of the item of Rs 2545 for gravelling should not be met by the District Board as it is presumed that the provision of this item is rendered necessary by the existence of the road.

(Sd) R. R. E. Drake-Brockman
Col. R.E.
Chief Engineer for Irrign.

To
The Superintending Engineer,
5th Circle

No. 2507 d/ 25th June 1896

From. C. H. J. Norfor Esquire
Executive Engineer, Tanjore Division.

To the Supg: Engineer, V Circle, Madras

Sir,

In returning the Estimate and plans for improving the Perambur Tank received with your No. 188 I. J. of 29th ultimo, I have the honour to report that the nearest place from which gravel can be obtained is the Vallam quarries. The distance 6 miles is taken along a cart track which takes the most direct route practicable. The Railway line has to be crossed and this can only be done at one of the crossings.

2. There is no gravel on the existing road and this may account for the present bad state of the bank.

3. The lead could be reduced to 1½ miles by getting the gravel by rail to a place opposite the tank, but as a siding would have to be made for unloading and the distance by rail from Vallam would be 12 miles it would be much cheaper to employ carts.

4. As Rs 630 are allotted for expenditure this year on this work and as the interested ryots urge that the improvements may be taken in hand at once, I request your permission to start the work in anticipation of sanction to the Estimate.

I have &c.
Signed - C. H. J. Norfor
Executive Engineer

Enclosures. 13

1. Report.
1. Hydraulic Statement.
1. Detailed Estc:
1. Gl: Abstract.
3. Levels.
5. Plans of masonry works.
1. Survey plan
13

No. 127-I1

Copy to the Chief Engineer for Irrigation with reference to his No. $\frac{V}{37}$ I. J. d/ 21st May 1896.

1/7/96
Hol: R. E.
Supg Engineer V Circle

1st July 1896

Ele
1.7.96

925.21 / 2204(5)

From

The Supdg. Engineer
5th Circle
R.S.T.J.

To

The Chief Engineer
for Irrigation

CHIEF ENGINEER
FOR IRRIGATION
2 JUL. 96
No.

Dated 1/2 July 1896

Enclosures 13.

No. 127 E.I.

~~Perambur Bank~~

Forwards copy of letter from the Executive Engineer Tanjore and requests permission to start the work of improving the –

Pus. 22 / 790 a/5/97

Ex 13

No. V / 37. T.J. of 21/5/96

S.E. V.

~~He~~ work refd. to estd. Rs 7000 for improving the Perambur bank submitted with S.E.'s No. 87. E.I. / 29.4.96. the undersigned has the honour ~~to~~ observe that the largest item of the estd. is one ~~of~~ of Rs. 2545 for gravelling. The high cost of this item is due chiefly to the long lead of 6 miles –
~~The S.E. is requested to enquire & report whether gravel could not be brought from the quarries~~ ~~by~~ If the distance by road has been taken the S.E. is requested to enquire & report whether during the dry weather when fields are not under irrigation gravel could not be brought from the quarries by a more direct & shorter route. Moreover the old gravel on the existing road might be taken up & stored for use on the top of the new bank thus reducing the cost of new gravelling –

JHL 21/5.

R 37 J 54

R 223
25.4.57
Ho
approve

SUPERINTENDING ENGINEER'S OFFICE,
V CIRCLE, MADRAS,
Chepák, 29' April 1896.

No. 87 E.I.

From Lieut. Colonel C. C. Rawson R. E.
SUPERINTENDING ENGINEER,
V CIRCLE,

To
THE Chief Engineer for Irrigation

Enclosures 13.

- 1 Report
- 1 Hydraulic Statement
- 1 Detail Estimate
- 1 Gl: abstract Este:
- 3 Levels
- 5 Plans of Masonry works.
- 1 Survey plan

13

SIR,

With reference to your Memorandum No $\frac{V}{63 I.J.}$ d/17th November 1895, I have the honour to submit for sanction the enclosed revised Estimate amounting to Rs. 7,000 for Improving the Perambur Tank in Tanjore Taluk.

I have the honour to be
Sir
Your most obedt: Servt:

C C Rawson
29. 4. 96
Lt Colonel R. E.
Supg Engineer V Circle

Ehn
29.4.96

1,000—25-2-96.

From

THE SUPERINTENDING ENGINEER,
V CIRCLE,

To

THE Chief Engineer
for Irrigation

CHIEF ENGINEER
FOR IRRIGATION.
30 APR. 96
No. 3737

Dated 29th } April 1896.
Recd.

ENCLOSURES. 13.

No. 87 E.I.

Perambur Tank in
Tanjore Taluq.

Submitting for Sanction
a revised Estimate of
Rs. 7,000 for Improving
the —

No. 63 T.I. d/ 17. 11. 95

Memo.

With reference to endorsement No. 357 E.I. dated 9th Nov. 1895 from the Supg. Engr. Fifth Circle, the undersigned has the honor to say that proposals of the Supg. Engr. to build the weir at the originally proposed by the Executive Engineer, Tanjore Divn. is approved.

17/11

Eng.

To The Supg. Engineer,
Fifth Circle.

No $\frac{v}{4875}$ d/30-8

Letter SE 6th circle

The undersigned has the hono
return herewith the plans
estimates for improving
Perumbor Tank forwarded
with letter No 26481 dated
28/8/95: with the following
remarks.

Engr 15

(2) The tank is a mere shallow distributing ditch & it is not necessary to bring it up to the standard allowed in the estimate.

(3) ~~Agra~~ From the cross sections it seems evident that a road dam can be constructed ~~anywhere~~ between the left flank & CS No 4 & if this is done there will be no necessity to divert the surplus water from its mamool course.

(4) By making the road dam of sufficient length to reduce MWL to 1'6" the repairs to that part of the bund which ca

raised to 3 feet above MW
with 4 feet top width.

~~W. The~~ Ed. 30/7/8 Rwen 30/8

Dc: 26
2904 (5)

No. 264 E.I.

SUPERINTENDING ENGINEER'S OFFICE,
V CIRCLE, MADRAS,
Camp [illegible] ~~Chepauk~~ 23 August 1895.
Despd 26/8/95.

From
Lieut: Col: C. C. Rawson R. E.
SUPERINTENDING ENGINEER,
V CIRCLE,

To
THE Chief Engineer for Irrigation

Enclosures /5
1. Report
1 Hydraulic Stt:
1 Detailed Este:
1 Gl: abstract Este,
3 Levels
5 Plans of masonry works
1 Survey plan
1 Detailed Este: } chargeable
1 abstract Este: } to L. Fund
15

SIR,

I have the honour to submit for sanction the enclosed plans and Estimate amounting to Rs 6030 for improving the Perambur Tank in Tanjore taluq.

2. In the portions where the bund carries a Local Fund road, the top width will be 12 feet, the cost amounting to Rs 1730 of the extra 6 feet of widening is separately estimated for as it has to be borne by the Local Fund Department - vide Estimate Enclosed.

3. The necessity for the work is explained in the report which accompanies the Estimate.

I have the honour to be
Sir
Your most Obedt. Servt.

C C Rawson
23/8/95
Lt Colonel RE
Supdg: Engineer V Circle

From Lt Col C. C. Rawson R.E.
THE SUPERINTENDING ENGINEER,
V CIRCLE,

To
THE Chief Engineer,
for Irrigation
P.W.D.

FO
26 AUG. 95
R 457
No.……………

Dated 23rd Augt 1895.
Sept 20 Recd.

16 ENCLOSURES.

No. 264 E.I.

Improving the Perambore
Tank in Tanjore Taluq

Submitting plans
and Estimate
amounting to
6030 + 1730 for

.E.

le

6432/7904 (5)

No 3733 d/ 26th October 1895

From - J. C. Johnston Esquire
Executive Engineer Tanjore Division
To - The Supg: Engineer, V Circle, Madras.
Enclosures - 9
Reference - your No $\frac{65 \text{ I. J}}{\text{C}}$ of 7th September 1895

Sir,

In returning the plans relating to Perambur Tank, Tanjore Taluk, I have the honour to state that an escape in the shape of a road dam between the left bank and cross section No 4 would be quite ineffective. This was the very point enquired into by me on first receipt of the sections, and I inspected the tank to get a clearer idea of the ground. The site proposed by the Chief Engineer for Irrigation for the road dam is land locked, and the discharge over the road dam would be limited to the discharge through the channel. This should have been specially mentioned in the report, but it was not.

2. The weir must be placed somewhere out of the influence of the channel and the site proposed in Estimate seems to be the least objectionable.

3. A reduction might be made in height of bank above M. F. L. and the Estimate will be corrected after receipt of further orders in regard to the road dam.

I have &c
Signed - J. C. Johnston
Executive Engineer

Copy

No. 357 E.I.

Copy forwarded to the Chief Engineer for Irrigation with a request that he will approve of the weir being built at the site originally proposed by the Executive Engineer. The Estimate will then be altered as desired in para 3 of his memo No. V/48 I.J. d/ 30th August 1895

9.11.95

Lt Colonel R.E.
Supdg Engineer V Circle

9th November
1895

[illegible] / xi.95

From

The ~~Supdg. Engineer~~

Fifth Circle.

To

The Chief Engineer

For Irrigation.

CHIEF ENGINEER
FOR IRRIGATION.
11 NOV. 95
No. 8377

Dated 9th } November 1895.
Recd. }

Enclo: 9

No. 357 E.I.

Perumbore Tank—

Re-submits the plans & Estimates for improving the — with requisite information.

Oss. 28
2904/E2

9