Public Works (189) Department.

✓

G.O., No. 718 9

DATED 18 August 1898

19/8/98

[Despatch Abstract.]

Melmoyal Tank in the North Arcot District –

The estimate, amounting to Rs 10,450,- for restoring the —— sanctioned for execution as a famine relief work if required –

120/6

19/8

19.8.98

P. W. 26.
200—19-7-99.

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 (1899) of Madras.
PUBLIC WORKS.

Recd.	1899.	*Enclosures*	
Regd.		*Spare copies*	

G.O., No. 718 I., 18th August 1899.

AUGUST.

Melmoyal Tank in the North Arcot District

The estimate, amounting to Rs. 10,450, for restoring the —, sanctioned for execution as a famine-relief work, if required.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.
Account.

READ—the following papers :—

From the Superintending Engineer,	IV Circle,	dated	5th May 1899,	No. 95 I.
To the „	IV	„	19th „	„ 19 N.A.
From the „	IV	„	22nd June „	„ 154 I.

No. 159 I.

Note by the Chief Engineer for Irrigation.

The Superintending Engineer, IV Circle, submits for sanction, as a famine-relief work, the accompanying estimate of Rs. 10,400 for restoring Melmoyal tank, North Arcot district, which has been revised by him in accordance with the instructions given by the Chief Engineer for Irrigation. The tank is said to have breached nearly a century ago at the point where the hill stream across which it is formed crosses the bund. Its restoration, as now proposed, will, it is reported, bring under irrigation 150 acres of dry land, from which a revenue of Rs. 300, or a return of 2·87 per cent., is anticipated. The provision made in the estimate for screw-gearing shutter for the sluice being insufficient, the estimate has been increased to Rs. 10,450 and may be sanctioned.

(Signed) W. HUGHES,
Chief Engineer for Irrigation.

23rd July 1899.

ORDER—No. 718 I., dated 18th August 1899.

The following estimate is sanctioned for execution as a famine-relief work, if required :—

Irrigation.
33. Famine Relief.
Minor Works for which neither Capital nor Revenue Accounts are kept, P.W.D.
Original Works.
North Arcot Division.
Restoring the Melmoyal tank.

	RS.
Estimate	10,450

2. This sanction is registered as No. 51 I. of 1899-1900.

(True Extract.)

Under Secy. to Government,
Irrigation Branch.

To the Chief Engineer for Irrigation.
„ Superintending Engineer, IV Circle, with 12 enclosures.
„ Examiner, Public Works Accounts.
„ Revenue Department.

Exd. T. K. Narayana Aiyangar.

A/

A.E.

1 Duplo

PUBLIC WORKS DEPARTMENT,
IRRIGATION BRANCH.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the

READ the following

From the Supg: Engineer 4. Circle — No. 95. I. d/ 5th May 1899. 1
To the —— do —— No. 19. N. A. d/ 19th — do — 2
From the —— do —— No. 154. I. d/ 22nd June /99. 3
Note by the Chief Engr for Irrigation No. 159 I d/ 23 July /99

Quote

Quote

Submitted to Government.

~~The estimate includes a~~ The provision ~~of Rs. 20~~ made for screw gearing shutter for the sluice ~~; this provision~~ being insufficient, ~~has been in-creased to Rs.~~ the estimate has been increased to ~~as altered, amounts to~~ Rs 10,450, and is recommended for sanction.

Issue
MH
8.8.99
I

Print note amended as noted by [illegible]

3 P

F.E.I

No: 718 I d/ 18.8.99

Order thereon

The following estimate is sanctioned for execution as a famine-relief work, if required:—

Irrigation

33. Famine relief

Minor works for which neither Capital nor Revenue accounts are kept P.W.D.

Original works.

North Arcot division.

Restoring the Melmoyal tank.

Estimate . . . . Rs 10,450.

2. This sanction is registered as No. 51. I. of 1899-1900.

A.G.H.
7.8.99

22/7/99

W.H
23.7.99

To,
The Chief Engineer for Irrign:
" Supg: —do— 4th Circle with 12 enclosures
" Examiner P.W. Accounts.
" Revenue Department

D
3/8/99

Public Works (1899) Department.

CURRENT No. 6742

Order

From The Chief Engineer for Irrigation

No. 159 I

Dated 23rd July 1899

Received
Registered } 16-8-99

Enclosures ~~+3~~ Plans - 8 } Total
others - 7 } 15

Spare copies.

SUBJECT.

Melmayal Tank in North Arcot District Estimate of Rs 10,400 for restoring —
Note recommending for sanction the as a famin
relief work

BACK PAPERS.

No.	Date.

FURTHER PAPERS.

No.	Date.

Sent No 1593 23-7-99
by Chief Engr. for Irrign.

Note ~~A.H.G.~~

Note submitting estimate of Rs 10,450 for restoring the Melmoyal tank.

2 P

The Superintending Engineer, 4th circle, submits for sanction, as a famine-relief work, the accompanying estimate of Rs 10,400 for restoring Melmoyal tank, North Arcot district, which has been revised by him in accordance with the instructions given by the Chief Engineer for Irrigation. The tank is said to have breached nearly a century ago at the point where the hill stream across which it is formed crosses the bund. Its restoration, as now proposed, will, it is reported, bring under irrigation 150 acres of dry land, from which a revenue of

Rs 300 or a return of 2.87 per cent is anticipated. The provision ~~of Rs 20~~ made in the estimate for screw gearing shutter for the sluice being insufficient, ~~has been increased to Rs~~ the estimate, ~~as~~ has been increased ~~altered, amounts~~ to Rs 10458 and ~~as recommended for~~ may be sanctioned. ~~sanction~~.

A.E.H

22/7/99

WH
23-7-99

21-7-99

Public Works (1899) Department.

CURRENT No. 36 N.9

Order

From The Suptg. Engineer
4th Circle.

No. 154/I

Dated 22nd June 1899.
Received } 30 - do —
Registered }
Enclosures 13 ✓
Spare copies. ✓

SUBJECT.

Melmayal tank.

Submits letter from the Ex: Engr North Arcot Division giving further information regarding the estimate for restoring the —

D.E.I.

Kh 30/6/99

1/7/99

30-6-99

BACK PAPERS.

No.	Date.

FURTHER PAPERS.

No.	Date.

ENG
IRRIGATION
30 JUN. 1899
36 N.A.

Letter from S. D. Pears Esq, Executive Engineer North Arcot Division to the Superintending Engineer 4 Circle No 343/SE dated 13th June 1899.

With reference to Chief Engineer's Memo No 19 N.A. dated 19th May 1899 communicated with your endorsement No 279 N.A. dated 2d June 1899 I have the honor to reply as follows:-

1 The water of the stream is not used for irrigation.

2 The slopes for the bund across the breach have now been altered as directed.

3 An escape at left flank was designed and estimated for after personal inspection. It was ultimately rejected, however, for the following reasons

(a) It will be very much more expensive, involving not only compensation for patta land but a training bank (which would be a permanent source of danger) to prevent the water from spilling

spilling into another valley containing a chain of tanks.

(b) The surplus stream in rear of left flank would fall about 20' in about 300'. This is somewhat less steep than the fall from the right flank, but the latter is known to be over rock, while the former is not, and a retrogression of levels might take place which would be fatal to the tank.

(c) The surplus, if passed round left flank, would have to cross the irrigation channel.

4 The position of right flank bye-wash has now been moved 160' further to the right and M.W.L raised by 6" inches diminishing the length of bye wash to 372 feet Rs 500 is provided for blasting rock thus involved. This obviates the objection raised by the Chief Engineer for Irrigation.

5 The sluice design has now been altered.

No. 154
I

Enclosures 13.
2 Estimates
1 Report
1 Data list
1 Hydraulic statement
8 Plans

Copy. Submitted to the Chief Engineer for Irrigation with reference to his Memo No. 19 N.A. dated 19th May 1899.

Camp Pollachi
22nd June 1899

Supg Engineer 4 Circle

21.6.99

Ow 15
/99

Public Works (1899) Department.

IRRIGATION BRANCH.

ISSUE No. 19 N.A.

To

The S.E. IV

(Reply to letter No. 952, dated 5.5.99)

Dated 19
Despatched 29 } May 99
Enclosures * 10

* Particulars of Enclosures.

2 files of estimates
8 plans
10

SUBJECT.

Melmayal Tank, N. Arcot Dt.
Returning for reconsider
the estimate for Rs 9,300 for
restoring the —

Indexed

E. I. Form No. 13—4,000—7-1-99

BACK PAPERS.

No.	Date.
R20 NA	9-5-99.

Sent to Government with No. I., dated 189 .

Printed with G.O., No. I., dated 189 .

REMINDERS ISSUED.

No. 1, dated 189 .
" 2 "
" 3 "
" 4 "
" 5 "

KEEP-WITHS.

FURTHER PAPERS.

No.	Date.
R36Na	22-6-99

Papers R20 N-A/99

No 19 NA dy 19-5-99

S.E IV.

S.Eo letter No ~~20~~ 95.D. NA dy 5.5.99

The estimate for restoring the Melmangal Tank is returned for reconsideration.

1. It is not stated what becomes of the water ~~in the~~ ~~catchment~~ brought down by the stream. If it is used for irrigation below Melmangal the tank cannot be restored without disturbing existing rights.

The bund is a little weak scarcely strong enough. It would probably be better to make the slope 2:1.

2. The estimate provides for cutting down the bund at the right flank and discharging surplus over the bund to ground 12 ft below MFL. No bund would stand this. The ground at the left flank at about FSL for several hundred feet in length and it is not understood why provision is not made for passing surplus where the

Site seems so favourable.

3. The walls of the sluice are too thin and the [illegible] of the work not adapted to the site — The depth of water on the plug is too great to admit of lifting it – Apparently a screw shutter or stepped head or a number of small plugs would be more suitable

15/5

16/5

Fair copy signed by Ch. E. on 19.5.99. [illegible] along with [illegible] papers.

19/5

Public Works (1899) Department.

CURRENT No. 20 N.A

718

From The Supdg. Engineer, 4th Circle.

Order

No. 95/9

Dated 5th May 1899

Received }
Registered } 9 – do.

Enclosures + 10.

Spare copies. ✓

SUBJECT.

Melmayal tank in North Arcot District.

Submits for sanction as a famine work plans & estes. amtg. to Rs 9,300 for restoring the — D. E. 9

9/5/99

BACK PAPERS.

No.	Date.

FURTHER PAPERS.

No.	Date.
R36 Map	22-6-99

No. 95/I.

Office of the Superintending Engineer,
FOURTH CIRCLE,
Camp Ootacamund ~~Coimbatore~~ 5.5. 1899.

From
A. H Garrett Esquire
Superintending Engineer,
Fourth Circle, Coimbatore.

CHIEF ENGINEER
FOR IRRIGATION.
9 MAY. 1899
20 N.A.

To
The Chief Engineer for Irrigation
Madras.

Enclosures. 10
8 Plans.
2 File of estimates.
x Separately sent by Book Post

Sir,

I have the honour to forward herewith for sanction as a famine work plans and Estimates amounting to Rupees 9300 for restoring Melmayal Tank in Gudiyatam Taluq, North Arcot District.

2. The report accompanying the Estimate gives all the particulars connected with the restoration of the tank.

I have the honour to be,
Sir,
Your most obedient Servant

Supt'g Engineer 4th Circle

Public Works (189) Department.

G.O., No. 718 9

DATED 18 August 1898

19/8/98

[Despatch Abstract.]

Malmoyal Tank in the North Arcot District –

The estimate, amounting to Rs 10,450,- for restoring the —— sanctioned for execution as a famine relief work if required –

120/6

— 223.

P. W. 26.
200—19-7-99.

Dx 19/8

19-8-98

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 (1899) of Madras.

PUBLIC WORKS.

Recd. } 1899. *Enclosures*
Regd. *Spare copies*

G.O., No. 718 I., 18th August 1899.

AUGUST.

Melmoyal Tank in the North Arcot District

The estimate, amounting to Rs. 10,450, for restoring the —, sanctioned for execution as a famine-relief work, if required.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.
Account.

Read—the following papers :—

From the Superintending Engineer, IV Circle, dated 5th May 1899, No. 95 I.
To the " " IV " " 19th " " " 19 N.A.
From the " " IV " " 22nd June " " 154 I.

No. 159 I.

Note by the Chief Engineer for Irrigation.

The Superintending Engineer, IV Circle, submits for sanction, as a famine-relief work, the accompanying estimate of Rs. 10,400 for restoring Melmoyal tank, North Arcot district, which has been revised by him in accordance with the instructions given by the Chief Engineer for Irrigation. The tank is said to have breached nearly a century ago at the point where the hill stream across which it is formed crosses the bund. Its restoration, as now proposed, will, it is reported, bring under irrigation 150 acres of dry land, from which a revenue of Rs. 300, or a return of 2·87 per cent., is anticipated. The provision made in the estimate for screw-gearing shutter for the sluice being insufficient, the estimate has been increased to Rs. 10,450 and may be sanctioned.

(Signed) W. HUGHES,
Chief Engineer for Irrigation.

23rd July 1899.

Order—No. 718 I., dated 18th August 1899.

The following estimate is sanctioned for execution as a famine-relief work, if required :—

Irrigation.
33. Famine Relief.
Minor Works for which neither Capital nor Revenue Accounts are kept, P.W.D.
Original Works.
North Arcot Division.
Restoring the Melmoyal tank.

	RS.
Estimate	10,450

2. This sanction is registered as No. 51 I. of 1899–1900.

(True Extract.)

Under Secy. to Government,
Irrigation Branch.

To the Chief Engineer for Irrigation.
" Superintending Engineer, IV Circle, with 12 enclosures.
" Examiner, Public Works Accounts.
" Revenue Department.

Exd. T. K. Narayana Aiyangar.

A/

1 Quote

A2.

PUBLIC WORKS DEPARTMENT,
IRRIGATION BRANCH.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the

READ the following

From the Supg: Engineer 4 Circle — No. 95. I. dy 5th May 1899.
To the 2 do — No. 19. N. A. dy 19th — do —
From the 3 do — No. 154. I. dy 22nd June/99.
Note by the Chief Engr for Irrigation No. 159 I dy 23 July/99

Quote

Quote

Submitted to Government.

~~The estimate includes a~~

The provision made ~~of Rs. 20~~ for Screw gearing shutter for the sluice ~~; this provision~~ being insufficient, ~~has been in-creased to Rs.~~ the estimate has been increased to ~~as altered, amounts to~~ Rs 10,450, and is recommended for sanction.

Print note … of note by CE

Issue
MH
8.8.99
I

3 P

F. E. I

No: 718 I dy 18.8.99

Order thereon

The following estimate is sanctioned for execution as a famine-relief work, if required:—

Irrigation

33. Famine relief

Minor works for which neither Capital nor Revenue accounts are kept Prov.

Original works.

North Arcot division.

Restoring the Melmoyal tank.

Estimate . . . . Rs 10,450.

2. This sanction is registered as No. 51. I. of 1899-1900.

A.G.H.
7.8.99

22/7/99

W.H
23.7.99

To,
The Chief Engineer for Irrign:
" Supg: —do— 4th Circle with 12 enclosures.
" Examiner P.W. Accounts.
" Revenue Department

3/8/99

Public Works (1899) Department.

CURRENT No. 6742

From The Chief Engineer for Irrigation

Order

No. 1599

Dated 23rd July 1899
Received } 16-8-99
Registered }
Enclosures ~~+3~~ Plans - 8 } Total
others — 7 } 15
Spare copies.

SUBJECT.

Melmayal Tank in North Arcot District Estimate of Rs 10,400 for restoring — Note recommending for sanction the as a famine relief work

BACK PAPERS.

No.	Date.

FURTHER PAPERS.

No.	Date.

Sent No 1593 23-7-99
by Chief Engr. for Irrigation

Note ~~[illegible]~~

Note submitting estimate of Rs 10,450 for restoring the Melmoyal tank.

2 P

The Superintending Engineer, 4th circle, submits for sanction, as a famine-relief work, the accompanying estimate of Rs 10,400 for restoring Melmoyal tank, North Arcot district, which has been revised by him in accordance with the instructions given by the Chief Engineer for Irrigation. The tank is said to have breached nearly a century ago at the point where the hill stream across which it is formed crosses the bund. Its restoration, as now proposed, will, it is reported, bring under irrigation 150 acres of dry land, from which a revenue of

Rs 300 or a return of 2.87 per cent is anticipated. The provision ~~of Rs 20~~ made in the estimate for screw gearing shutter for the sluice being insufficient, ~~has been increased to Rs [illegible]~~ the estimate, ~~as~~ has been increased ~~altered, amounts~~ to Rs 10458 and ~~is recommended for~~ may be sanctioned. ~~sanction~~.

A.E.H

22/7/99

WH
23-7-99

21-7-99.

Public Works (1899) Department.

CURRENT No. 36 N.a

Order

From The Suptg. Engineer 4th Circle.

No. 154/2

Dated 22nd June 1899.

Received } 30 - do —
Registered

Enclosures 13 ✓

Spare copies. ✓

SUBJECT.

Melmayal tank.

Submits letter from the Ex: Engr North Arcot Division giving further information regarding the estimate for restoring the — D.E.I.

30/6/99

1/2/99

30-6-99

BACK PAPERS.

No.	Date.

FURTHER PAPERS.

No.	Date.

Letter from S. D. Pears Esq, Executive Engineer North Arcot Division to the Superintending Engineer 4 Circle No $\frac{343}{SE}$ dated 13th June 1899.

ENG.
IRRIGATION
30 JUN. 1899
36 N.A.

With reference to Chief Engineer's Memo No 19 N.A. dated 19th May 1899 communicated with your endorsement No 279 N.A. dated 2d June 1899 I have the honor to reply as follows:-

1 The water of the stream is not used for irrigation.

2 The slopes for the bund across the breach have now been altered as directed.

3 An escape at left flank was designed and estimated for after personal inspection. It was ultimately rejected, however, for the following reasons

(a) It will be very much more expensive, involving not only compensation for patta land but a training bank (which would be a permanent source of danger) to prevent the water from spilling

spilling into another valley containing a chain of tanks.

(b) The surplus stream in rear of left flank would fall about 20' in about 300'. This is somewhat less steep than the fall from the right flank, but the latter is known to be over rock, while the former is not, and a retrogression of levels might take place which would be fatal to the tank.

(c) The surplus, if passed round left flank, would have to cross the irrigation channel.

4 The position of right flank bye-wash has now been moved 160' further to the right and M. W. L raised by 6" inches diminishing the length of bye wash to 372 feet Rs 500 is provided for blasting rock thus involved. This obviates the objection raised by the Chief Engineer for Irrigation.

5 The sluice design has now been altered.

No. 154/I

Enclosures 13.
2 Estimates
1 Report
1 Data list
1 Hydraulic statement
8 Plans

Copy. Submitted to the Chief Engineer for Irrigation with reference to his Memo No. 19 N.a. dated 19th May 1899.

Camp Pollachi
22nd June 1899

Supg Engineer 4 Circle

AP 21.6.99

Ovr 15
[illegible]/99

Public Works (1899) Department.

IRRIGATION BRANCH.

ISSUE No. 19 N.A.

To

The S.E. IV

(Reply to letter No. 952, dated 5.5.99)

Dated 19
Despatched 29 } may 99
Enclosures * 10

* Particulars of Enclosures.

2 files of estimates
8 plans
10

SUBJECT.

Melmayal Tank, N. Arcot Dt.
Returning for reconsider
the estimate for Rs 9,300 for
restoring the —

Indexed

E. I. Form No. 13—4,000—7-1-99

BACK PAPERS.

No.	Date.
R 20 N A	9.5.99.

Sent to Government with No. I., dated 189 .

Printed with G.O., No. I., dated 189 .

REMINDERS ISSUED.

No. 1, dated 189 .
„ 2 „
„ 3 „
„ 4 „
„ 5 „

KEEP-WITHS.

FURTHER PAPERS.

No.	Date.
R 36 N A	22-6-99

Papers
R 20 N-A/99

No 19 N A dy 19-5-99

S.E. IV.

S.E. letter No ~~20~~ 95.D. N A dy 5.5.99

The estimate for restoring the Melmangal Tank is returned for reconsideration.

1. It is not stated what becomes of the water ~~in the~~ brought down by the stream ~~catchment~~. If it is used for irrigation below Melmangal the tank cannot be restored without disturbing existing rights.

The bund at the back is scarcely strong enough. It would probably be better to make the slope 2:1.

2. The estimate provides for cutting down the bund at the right flank and discharging surplus over the bund to ground 12 ft below MFL. No bund would stand this. The ground at the left flank is at about FSL for several hundred feet in length and it is not understood why provision is not made for passing surplus where the

site seems so favourable.

3. The walls of the sluice are too thin and the design of the work not adapted to the site — The depth of water on the plug is too great to admit of lifting it - Apparently a screw shutter or stepped head or a number of small plugs would be more suitable

JMH
15/5

16/5

Fair copy signed by Ch. E. on 19.5.99. and [illegible] accordingly with ~~[illegible]~~ [illegible] papers.

19/5

Public Works (1899) Department.

CURRENT No. 20 N.A

7181

From The Supdg. Engineer, 4th Circle.

Order

No. 95/9

Dated 5th May 1899

Received } 9 - do.
Registered }

Enclosures +10.

Spare copies. ✓

SUBJECT.

Melmayal tank in North Arcot District.

Submits for sanction as a famine work plans & estes. amtg. to Rs 9,300 for restoring the —

D. E. 9

[illegible] 9/5/99

BACK PAPERS.

No.	Date.

FURTHER PAPERS.

No.	Date.
R36 Ma	22-6-99

No. 95/I.

Office of the Superintending Engineer,
FOURTH CIRCLE,
Camp Ootacamund ~~Coimbatore~~ 5.5. 1899.

CHIEF ENGINEER
FOR IRRIGATION.
9 MAY 1899
20 N.A.

From

A. H Garrett Esquire
Superintending Engineer,
Fourth Circle, Coimbatore.

To

The Chief Engineer for Irrigation
Madras.

Enclosures. 10

8 Plans.
2 File of estimates.

×Separately sent per Book Post

Sir,

I have the honour to forward herewith for Sanction as a famine work plans and Estimates amounting to Rupees 9300 for restoring Melmayal Tank in Gudiyatam Taluq, North Arcot District.

2. The report accompanying the Estimate gives all the particulars connected with the restoration of the tank.

I have the honour to be,
Sir,
Your most obedient Servant

Garrett

Supt. Engineer 4th Circle