8881

Public Works (1898) Department.

G.O., No. 8782 / 8793

DATED 10th (~~Octr~~ Novr) 98

27/10/98

[Despatch Abstract.]

Periyar Project

Estimate of Rs 2150 for constructing cross drainage works in the Chunnambur offtake taking off the 10th Branch Channel, ——, Sanctioned and the copy of the Prs: ordered to be forwarded to the Govt of India

Periyar Project

Forwarding copy of ~~Estimate~~ Prs: Sanctioning an estimate of Rs 2150 for constructing cross drainage works in the Chunnambur offtake taking off the 10th Branch Channel, ——.

29/11/98 (T.E.I.)

[P. W. 26. 1,000—[illegible] 98.]

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 {1898} of Madras.
PUBLIC WORKS.

Recd. } 1898. *Enclosures*
Regd. *Spare copies*

G.O., Nos. 878, 879 I., 10th November 1898.

NOVEMBER.

Periyar Project

Forwarding copy of Proceedings sanctioning an estimate of Rs. 2,150 for constructing cross drainage works in the Chunnambur offtake taking off the 10th Branch channel, — .

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.
Account.

READ—the following papers :—

From the Superintending Engineer, VI Circle, dated 5th May 1898, No. 656 M.D.
From " " VI " " 20th June 1898, " 833 "
To " " VI " " 24th " " " VI./57 "

From Lieut.-Col. O. V. BODDY, R.E., Superintending Engineer, VI Circle, to the Chief Engineer for Irrigation, dated Trichinopoly, 26th September 1898, No. 1309 M.D.

I have the honour to forward, for approval and sanction, a fresh estimate amounting to Rs. 1,740, in lieu of that for Rs. 3,510 returned, as requested by me, with your No. VI./57 M.D., dated 24th June 1898, for constructing cross drainage works in Chunnambur offtake, taking off the 10th Branch channel, Periyár works.

2. The circumstances under which cross drainage works were found to be necessary between 1¾ and 4¼ miles of the offtake, are explained in this office No. 656 M.D., dated 5th May 1898, giving cover to the estimate alluded to in paragraph 1 above. For the effective means of passing the drainage affecting the offtake in these limits, the following works are proposed to be built :—

Two bye-washes of an aggregate length of 185 feet (60 + 125) as shown in plan No. 3—one at just above the 2nd mile, and the other at 2 miles and 3 furlongs; two weirs of 140 and 100 feet in length, respectively, between 3¾ and 4¼ miles, as per designs, in plans Nos. 5 and 6; and lastly, an undertunnel for dealing with the local drainage at little above 3rd mile and 3 furlongs.

3. The work is classed as remunerative and the probable date of completion of the works will be 31st March 1899.

ENCLOSURE.

REPORT to accompany Estimate for Cross drainage works in Chunnambur offtake.

	RS.
Amount of estimate	1,740

Between 1¾ and 2¾ miles the channel runs through three tanks Chinna and Peria Mukkan Kulam and Shengulam.

The whole of the drainage of these tanks has to be passed through the channel for which two bye-washes are now estimated—one of 60 ft. at 10,400 ft. and one of 125 ft. at 12,700 ft.

The bye-washes will consist of a rough stone in mortar, wall 2 ft. × 2 ft. with a rough stone apron in front and rear. The depth over the crest will in each case be 1 ft.

Between 3¾ and 4¼ miles the channel is on a contour with a single bank forming two small tanks. The drainage from the first tank has to be passed through the bank for which a weir at 19,400 ft. is provided; the drainage from the second tank will be passed into a natural drain by cutting through the ridge at the lower end.

In addition to the above, a small undertunnel is required at 17,500 ft. to pass local drainage.

The country being rocky, the coefficient of 700 in the formula $D = C\sqrt[3]{M^2}$ has been used.

The works will be carried out in accordance with the standard specification of the department.

MADURA,
16th August 1898.

(Signed) T. W. S. SMYTH,
Ex. Engr., Special Periyár Division.

No. 272 I.

Note by the Chief Engineer for Irrigation.

The accompanying estimate of Rs. 1,740 forwarded by the Superintending Engineer, VI Circle, provides for constructing cross drainage works at five places in the Chunnambur offtake taking off the 10th Branch channel, Periyár project.

2. The work is classed as remunerative, and will probably be completed by the 31st March 1899.

3. The estimate is recommended for sanction.

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

22nd October 1898.

ORDER—No. 878 I., dated 10th November 1898.

The estimate, amounting to Rs. 1,740, or Rs. 2,150 including charges for establishment and tools and plant, for constructing cross drainage works in the Chunnambur offtake taking off the 10th Branch channel, Periyár project, is sanctioned.

2. This sanction is registered as No. 94 I. of 1898–99, and will expire on the 31st March 1899.

3. Ordered that a copy of these Proceedings be forwarded to the Government of India for information.

[Here enter No. 879 I., dated 10th November 1898.]

(True Extract.)

(Signed) W. HUGHES,
Joint Secy. to Government,
Irrigation Branch.

To the Chief Engineer for Irrigation.
" Superintending Engineer, VI Circle, with fourteen enclosures.
" Examiner, Public Works Accounts.

ENDORSEMENT—No. 879 I., dated 10th November 1898.

Forwarded.

(By order).

(Signed) W. HUGHES,
Joint Secy. to Government,
Irrigation Branch.

Exd. T. K. Narayana Aiyangar.

Annexure to G.O., No. 878 I., dated 10th November 1898.

Estimate Form—Abstract—Classified.

Sub-head.	Names of works.	Amount of estimate for individual work.	Total of sub-heads.	Total for each canal or distributary.	Total of each main head.
1	2	3	4	5	6
	CAPITAL EXPENDITURE NOT CHARGED TO REVENUE. 49. Irrigation. *Periyár Project.* Open Capital Account. 1. Works. 3. Distributaries. 10th Branch Channel. Remunerative Work. Cross Drainage Works in Chunnambur Offtake.	RS.	RS.	RS.	RS.
3. Works ..	1. Weir No. 1 at 194th chain	330			
	2. „ „ 2 at 218th „	210			
	3. Bywash No. 1 at 104th chain	150			
	4. „ „ 2 at 127th „	275			
	5. Culvert at 107th chain	650			
			1,615		
4. Earthwork ..	6. Cutting channel and forming bank	125			
			125		
	Total, I. Works	..	..	1,740	
	II. Establishment ..	..	..	400	
	III. Tools and plant ..	..	..	10	
	Total estimate ..	..	..	2,150	2,150

Madura,
16th August 1898

(Signed) T. W. S. SMYTH,
Ex. Engineer, Special Periyar Division.

Annexure to G.O. No. 878.I dated 10.

ESTIMATE FORM—Abstract—Classified.

Public Works (1898) Department.

CURRENT No. 8881

From

The Chief Engineer
for Irrigation

No. 272 I

Dated 22.10.98

Received
Registered 26.10.98

Enclosures 8.18 (7 plans)

Spare copies

For E.G.

~~How B. please?~~

~~B/H 27/10/98~~

Order

To D.E.I. for favour of
marking instructions
for the Press.

27.10.98

SUBJECT.

Constructing Cross drainage
works at five places at
Chinnamibur offtake taking
off 10th Branch chl. - Periyar Proj.
Estimate of Rs 1740 for —
Note recommending for
sanction the —.

BACK PAPERS.

No.	Date.

FURTHER PAPERS.

No.	Date.

Annexure to G.O. No. 878 I dated 10th November 1898

ESTIMATE FORM—Abstract—Classified.

Sub-head.	Names of Works.	Amount of Estimate for individual Works.	Total of Sub-heads.	Total for each Canal or Distributary.	Total of each Main head.	REMARKS.
1	2	3	4	5	6	7
Capital Expenditure not charged to Revenue.						Sanctioned in G.O. No. 878 I dated 10/11/98 and reported as No. 7 of 1898-99
	49 Irrigation					
	Periyar Project.					
	open capital account					
	I works					
	3 distributaries					
	10th Branch channel					
	Remunerative works					
	Cross drainage works in Chunambur offtake					
3 Works	1 Weir No. 1 at 194th chain	330	✓			
	2 do. No. 2 at 218 do.	210				
	3 Byewash No. 1 at 104 do.	150				
	4 do. 2 at 127 do.	275				
	5 Culvert at 107 do.	650	✓			
			1615			
4 Earthwork	6. Cutting channel and forming bank.	125				
			125			
Total	I Works			1740		✓
	II Establishment			400		
	III Tools & Plant			10		✓
	Total Estimate			2150		✓

Madura
16/8/98

(Initialled) J.W.S.S.
Spl. Ex. Engineer
Periyar Dn.

True copy

Recd
H.D. 28/6/99

STATION Madura
Dated June 99
5,000—10-1-96.

8 JUL 1899

1/62 W.D.

Supdg Engr. IV Circle 5/7/99

Executive Engineer.
Periyar Dn.

29 JUN 1899

(E No. 126.)

———— Circle.

Division—

District

SUPG. ENGINEER'S OFFICE
No. 2/1149
4 JUL. 1899
SIXTH CIRCLE.

ESTIMATE FORM—Abstract—Classified.

To accompany the Detailed Estimate No. of 189 -9 for*

* Here enter the Name and Description of work in full.

CHIEF ENGINEER FOR IRRIGATION.
8 JUL. 1899

PWE 1-
5693/99

Please answer the Queries !

Public Works Department,
Irrigation Branch.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Under date the

Read the following

From the Supg: Engineer 6th Circle, No. 656 M. D. dated 5th May/98.
From ———— do ————, No. 833. M. D. dated 20th June/98
To. ———— do ————, No. $\frac{VI}{57 M.D.}$ dated 24th June/98.
From ———— do ————, No. 1309 M. D. dated 26th Septr/98.
No 272 I dy 22.10.98

Print with report

Issue
W.H.
22.11.98

Note by the Chief Engineer for Irrigation.

The accompanying estimate of Rs. 1740 forwarded by the Supg: Engineer 6th Circle provides for constructing cross-drainage works at five places in the Chinnambur off-take taking off the 10th Branch channel, Periyar project.

2. The work is classed as remunerative, and will probably be completed by the 31st March 1899.

3. The estimate is recommended for sanction.

Order !

(E No. 126.)

Order thereon Ir[illegible] Ant No: 878 I dy 10.11.98

The estimate, amounting to Rs 1,740, or Rs 2,150 including charges for establishment and tools and plant, for constructing cross drainage works in the Chunnambur off-take taking off the 10th Branch channel, Periyar project, is sanctioned.

2. This sanction is registered as No 94. I. of 1898-99, and will expire on the 31st March 1899.

3. Ordered that a copy of these Proceedings be forwarded to the Government of India for information.

Endorsement No: 879 I dy 10.11.98

Forwarded.

27/10
58.

To, The Chief Engr for Irrigation
" Supg: Engr VI Circle
" Examiner PW Accounts with 4 [illegible]

[illegible] to Acctt 15/4/98

Classified [illegible] abstract as [illegible] estimate [illegible] 22/4/98

E. I. Form No. 1—1,000—21-4-98.

21-10-98.

Please answer the Queries !

Mr Lees 2/11

No. I., ~~October~~ Nov 1898.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.
Account.

READ—the following papers :—

From the Superintending Engineer, VI Circle, dated 5th May 1898, No. 656 M.D.
From " " VI " " 20th June 1898, " 833 "
To " " VI " " 24th " " " VI./57 "

From Lieut.-Col. O. V. BODDY, R.E., Superintending Engineer, VI Circle, to the Chief Engineer for Irrigation, dated Trichinopoly, 26th September 1898, No. 1309 M.D.

I have the honour to forward, for approval and sanction, a fresh estimate amounting to Rs. 1,740, in lieu of that for Rs. 3,510 returned, as requested by me, with your No. VI./57 M.D., dated 24th June 1898, for constructing cross drainage works in Chunnambur offtake, taking off the 10th Branch channel, Periyar works.

2. The circumstances under which cross drainage works were found to be necessary between $1\frac{3}{4}$ and $4\frac{1}{4}$ miles of the offtake, are explained in this office No. 656 M.D., dated 5th May 1898, giving cover to the estimate alluded to in paragraph 1 above. For the effective means of passing the drainage affecting the offtake in these limits, the following works are proposed to be built :—

Two bye-washes of an aggregate length of 185 feet (60 + 125) as shown in plan No. 3—one at just above the 2nd mile, and the other at 2 miles and 3 furlongs; two weirs of 140 and 100 feet in length, respectively, between $3\frac{3}{4}$ and $4\frac{1}{4}$ miles, as per designs, in plans Nos. 5 and 6; and lastly, an undertunnel for dealing with the local drainage at little above 3rd mile and 3 furlongs.

3. The work is classed as remunerative and the probable date of completion of the works will be 31st March 1899.

ENCLOSURE.

REPORT to accompany Estimate for Cross drainage works in Chunnambur offtake.

	RS.
Amount of estimate	1,740

Between $1\frac{3}{4}$ and $2\frac{3}{4}$ miles the channel runs through three tanks Chinna and Peria Mukkan Kulam and Shengulam.

The whole of the drainage of these tanks has to be passed through the channel for which two bye-washes are now estimated—one of 60 ft. at 10,400 ft. and one of 125 ft. at 12,700 ft.

The bye-washes will consist of a rough stone in mortar, wall 2 ft. × 2 ft. with a rough stone apron in front and rear. The depth over the crest will in each case be 1 ft.

Between $3\frac{3}{4}$ and $4\frac{1}{4}$ miles the channel is on a contour with a single bank forming two small tanks. The drainage from the first tank has to be passed through the bank for which a weir ~~140 ft. long~~ at 19,400 ft. is provided; the drainage from the second tank will be passed into a natural drain ~~at 216th chain~~ by cutting through the ridge at the lower end.

In addition to the above, a small undertunnel is required at 17,500 ft. to pass local drainage.

The country being rocky, the coefficient of 700 in the formula $D = C\sqrt[3]{M^2}$ has been used.

The works will be carried out in accordance with the standard specification of the department.

(Signed) T. W. S. SMYTH,
Ex. Engr., Special Periyár Division.

MADURA,
16th August 1898.

No. 272 I.

Note by the Chief Engineer for Irrigation.

The accompanying estimate of Rs. 1,740 forwarded by the Superintending Engineer, VI Circle, provides for constructing cross drainage works at five places in the Chunnambur offtake taking off the 10th Branch channel, Periyar project.

2. The work is classed as remunerative, and will probably be completed by the 31st March 1899.

3. The estimate is recommended for sanction.

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

22nd October 1898.

ORDER—No. I., dated October 1898.

The estimate, amounting to Rs. 1,740, or Rs. 2,150 including charges for establishment and tools and plant, for constructing cross drainage works in the Chunnambur offtake taking off the 10th Branch channel, Periyar project, is sanctioned.

2. This sanction is registered as No. ^ I. of 1898–99, and will expire on the 31st March 1899.

Please send 2 fair copies with docket at the back

2/4/12/98

(E No. 126.)

Nov

No. I., ~~October~~ 1898.

3. Ordered that a copy of these Proceedings be forwarded to the Government of India for information.

[Here enter No. I., dated ~~October~~ 1898.] Novr

(True Extract.)

Under Secretary to Government,
Irrigation Branch.

To the Chief Engineer for Irrigation.
„ Superintending Engineer, VI Circle, with fourteen enclosures.
„ Examiner, Public Works Accounts.

Exd. T. K. Narayana Aiyangar.

IRRIGATION.

ACCOUNT.

Periyar Project

Estimate of Rs. 2,150 for constructing cross drainage works in the Chunnambur offtake taking off the 10th Branch channel, —, sanctioned; and a copy of the Proceedings ordered to be forwarded to the Government of India.

ENDORSEMENT—No. I., dated ~~October~~ 1898. Novr

Forwarded.
(By order).

Joint Secretary to Government,
Irrigation Branch.

Forwarding copy of Proceedings sanctioning an estimate of Rs. 2,150 for constructing cross drainage works in the Chunnambur offtake taking off the 10th Branch channel, —.

(E No. 126.)

Ch1
1/10/98

Public Works (1898) Department.

CURRENT No. 113 M.D.

Order

From

The Supg Engineer
VI. Circle

No. 1309. L.D.

Dated 26th September 98

Received + Regd } 28 — do —

Enclosures 8. ✓

Spare copies

SUBJECT.

Cross drainage works in Chunnambar Offtake. Forwards for sanction a fresh estimate of Rs 1740 for constructing taking off the 10th Branch Channal. Periyar Project papers

DE I for orders if the fresh estimate may be sanctioned after check

check on

30/9

28/9

29-9-98

BACK PAPERS.

No.	Date.
257 M.D	24-6-98

FURTHER PAPERS.

No.	Date.

No. 3

38

CHIEF ENGINEER
FOR IRRIGATION.
28 SEP. 1898
No. 8/113 M.D.

Enclosure
7. Tracing
1. Estimate
8

Report to accompany Estimate for Cross drainage works in Chunnambur Offtake

Amount of Estimate Rs ~~1730~~ 1740

Between 1¾ & 2¾ miles the channel runs through three tanks Chinna and Peria Mukkan Kulam and Shengulam.

The whole of the drainage of these tanks has to be passed through the channel for which two bywashes are now estimated one of 80 feet at 10400 ft and one of 125 feet at 12700 feet.

The bywashes will consist of a rough stone in mortar, wall 2 ft × 2 ft with a rough stone apron in front and rear. The depth over the crest will in each case be 1 foot.

Between 3¾ and 4¼ miles the channel is on a Contour with a single bank forming two small tanks. The drainage from the 1st tank has to be passed through the bank for which a weir 140' long at 19400 ft is provided, the drainage from the second tank will be passed into a natural drain by cutting through the ridge at the lower end

At 218 chain

P.T.O.

In addition to the above a small under tunnel is required at 17500 feet to pass local drainage.

The Country being rocky the Coefficient of 700 in the formula $D = C\sqrt[3]{M^2}$ has been used.

The works will be carried out in accordance with the Standard specification of the Department.

F. W. H. Smyth
Executive Engineer
16.8.98 Special Periyar Division
Madura

No. 1309. Ir. D.

OFFICE OF THE SUPERINTENDING ENGINEER,
6TH CIRCLE,
Trichinopoly, ~~26th September~~ 1898.
D/27

2

From
Lt Col. O. V. Boddy R.E.
Superintending Engineer,
6th Circle.

To
The Chief Engineer,
for Irrigation

CHIEF ENGINEER
FOR IRRIGATION.
28 SEP. 1898
No. 113 M. D

SIR,

8 ENCLOSURES.

1. Estimate complete
1. Survey
1. Site Sketch
1. Level Section
4. Masonry Plans

I have the honor to forward for approval and sanction a fresh estimate amounting to Rs 1,740, in lieu of that for Rs 3510 returned, as requested by me, with your No: $\frac{Ir}{57\ M.D.}$ dated 24th June 1898 for constructing Cross drainage works in Chinnamanur offtake, taking off the 10th Branch Channel, Periyar Works.

2. The circumstances under which cross drainage works were found to be necessary between 1 3/4 & 4 1/4 miles of the offtake, are explained in this office No: 656 M.D. of 5th May 1898 giving cover to the estimate alluded to in para 1 above. For the effective means of passing the drainage affecting the offtake in these limits, the following works

R 43 M.D./98

are proposed to be built:—

Two tyewashes of an aggregate length of 185 feet (60 + 125) as shown in plan No: 3, one at just above the 2° mile and the other at 2 miles & 3 furlongs.

Two weirs of 140 & 100 feet in length respectively between $3\frac{3}{4}$ & $4\frac{1}{4}$ miles, as per designs, in plans Nos. 5 & 6 — and lastly an undertunnel for dealing with the local drainage at little above 3rd mile and 3 furlongs.

3. The work is classed as remunerative and the probable date of completion of the works will be 31° March 1899.

I have the honor to be
Sir,
Your Most obed.t Servant

O. V. Nodelly Lt. Col. R.E.
Supg Engineer, VI Circle

PS.1
888/85

Public Works (1898) Department.

Urgent

CURRENT No. 66 Ind

Order

E1

This is an estimate No. 3 referred to in endorsed note. Should this be sent back as requested & para 4 omitted.

JJh

24/6/98

send back & strike out para 4 of Memo to S.E. VI with refering to No. 57 Ind. dt.

Letter ordered to 6-98
Mh 27/6/98

Memo S.E. VI

With refce to S.E. No. 833 Ind d. 20/6/98 the A/s has the honors to ~~[illegible]~~ return herewith the estimate referred to as requested.

M.E.

This is one of the Estimates sent to D.E. I for orders on 8/6/98. It has not yet been returned.

JJh 24/6/98

Mh 27/6/98

From

The Supg Engineer
VI Circle

No. 833 Ind

Dated 20 June 1898

Received 22 — Do —

Enclosures "

Spare copies

SUBJECT.

Drainage crossing the Chinnamalur off take at 21 Chain — Requesting to return the estimate forwarded with this office No: 656 Ind d/ 6-5-98 in order that it may be revised according to a cheaper method of disposing the ——— suggested by the Spl. Engineer.

To D.E.I

24/6/98

BACK PAPERS.

No.	Date.
R43 Ind d/10	5-98

FURTHER PAPERS.

No.	Date
357 Ind	24-6-98
R113 Ind	26-9-99

No. 833 Ind.

OFFICE OF THE SUPERINTENDING ENGINEER,
6TH CIRCLE,
Trichinopoly, 20th June 1898.

9/21.

From
Lt.Col. A. V. Boddy R.E.
Superintending Engineer,
6th Circle.

To
The Chief Engineer,
for Irrigation

SIR,

ENCLOSURES.

I have the honor to inform you that the Executive Engineer, Periyar works, has suggested a much cheaper method for dealing with the drainage crossing the Chinnamanur offtake at 218th chain, than that provided for in the estimate amounting to Rs 3,510 forwarded to you with this office letter No: 656 Ind. d/5th May /98. I have the honor to request therefore that the estimate referred to may be returned to me for revision.

R 43 Ind/98 sent to D.E.? for orders on 8/6/98

ml 27/6

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

A. V. Boddy Lt.Col. R.E.
Supg. Engineer, 6th Circle

15/6/98

CHIEF ENGINEER
FOR IRRIGATION.
22 JUN 1898
66 I.D.

Q.S.P. 888/98

CE1
10/5/98

Public Works (1898) Department.

CURRENT No. 43 I.D.

Order

S.I.
May this be sanct?
after check
J.B. 22/5

From
The Supg Engineer
VI. Circle

No. 656. I.D.

Dated 5th May 1898
Received 10 — do
Enclosures 5. 4 plans
Spare copies

SUBJECT.

Cross drainage works in Chinnambori offtake. Forwards for sanction with remarks an Estimate of Rs 3510 for providing.

To C.E. & to check the estimate
9/5/98

P/ 11-5-98

BACK PAPERS.

No.	Date.

FURTHER PAPERS.

No.	Date.
1113 L.D.	26-7-98

No. 656 L.D.

OFFICE OF THE SUPERINTENDING ENGINEER,
6TH CIRCLE,
Kodaikanal ~~Trichinopoly~~, 5th May 1898.
D/7

From
Lt Col. C. V. Boddy R.E.
Superintending Engineer,
6th Circle.

To
The Chief Engineer,
for Irrigation

SIR,

5 ENCLOSURES.
Site Plan
Plans
Este

I have the honor to forward for your sanction an estimate amounting to Rs 3,510 for providing cross drainage works in Chunnambar offtake.

2. The offtake between Mile 1 3/4 & 2 3/4 passes through a series of tanks, and it is proposed to pass the drainage from the catchment area of these tanks by means of 2 byewashes.

3. An undertunnel is necessary between the 2nd & 3rd furlong of the 3rd Mile.

4. Between 3 3/4 & 4 1/4 miles the channel has only a single bank, and it is necessary to provide for the passage of drainage headed up by this bank. — 2 weirs are therefore provided.

I

I have the honour to be
Sir,
Your most obedt. Servant.

A. V. Bonny Lt Col. R.E.
Supg Engineer, Circle

CHIEF ... ER
10 MAY 1898
43 M.D

8/5/98

183/1888
18570

5P/