

P.W.
~~Marine~~ (1899) Department.

G.O., No. 413 J

DATED 6 May 1899

1899

[Despatch Abstract.]

Groynes

Estimate amounting to Rs 7170, for
constructing two stone — on the left margin
of the Cauvery river at 8½ miles above the
Annamantapam in the Trichinopoly District,
sanctioned.

160
3
119/5

7.8.9
26/10/99

Estimate, amounting to Rs. 7,170, for constructing two stone — on the left margin of the Cauvery river at $8\frac{1}{4}$ miles above the Ammamantapam in the Trichinopoly division, sanctioned.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.
Account.

READ—the following papers :—

From the Superintending Engineer, VI Circle, dated 17th March 1899, No. 511 T.C.
To the " " VI " " 23rd " " VI/14 T.C.
From the " " VI " " 8th April " " 635 T.C.

ENCLOSURE.

REPORT to accompany estimate for constructing two stone groynes in the Cauvery left margin at 8½ B.M. near Ammamantapam.

Amount of estimate Rs.
7,170

A high sand bank has been formed in front of the pumping station and the deep bed of the river is diverted from the right bank to the left, the current setting on the bank about ¼ mile above Ammamantapam.

There was a slight erosion in the low floods at the end of 1897 and protective works were put up last year. The floods, however, undermined the modassal and a serious erosion commenced. The modassal was refixed, but it was again carried away, and some 20 feet of padugai eroded, bringing deep water up to the toe of the bank. A hurdle groyne was got in and the bank protected last year. It is necessary to put in two stone groynes, 54 and 28 feet long, with intermediate hurdle groynes as shown on the survey, the sites for which have been fixed by the Superintending Engineer after his inspection of the margin.

The top of the groynes will be one foot above M.F.L. of 1896 and the stone groynes will be packed with a slope of ¾ to 1, below the existing water level and ¼ to 1 above.

The stone will be confined at the base of the groyne, by a row of country wood piles 6" diameter and 2 feet apart from centre to centre right round. Necessary tail banks will also be provided in continuation of the groynes to meet the padugai or bank as the case may be. A separate estimate, amounting to Rs. 3,100, for putting up six hurdle groynes, 25 feet long and 75 feet apart between the two stone groynes, the first commencing from 160 feet below the first stone groyne and four below stone groyne No. 2, as marked on the survey has been submitted for sanction under "Repairs" agreeably to Irrigation Chief Engineer's No. VI/14 T.C., dated 23rd March 1899. The work will be done in strict accordance with the standard specifications and in a workmanship like manner.

5th April 1899.

(Signed) J. INGLIS,
Ex. Engr., Trichinopoly Divn.

No. 93 I.

Note by the Chief Engineer for Irrigation.

The Superintending Engineer, VI Circle, submits for sanction the accompanying estimate of Rs. 7,170 for constructing two stone groynes on the left margin of the Cauvery river at 8½ miles, above the Ammamantapam, in the Trichinopoly division, where the current of the river is diverted from the right to the left bank and has caused serious erosion. The estimate may be sanctioned.

2. An estimate for the temporary groynes required to be constructed in connection with the above, has already been sanctioned by the Superintending Engineer under "Repairs."

27th April 1899,

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

ORDER—No. 413 I., dated 6th May 1899.

The following estimate is sanctioned :—

Irrigation.
43. Minor Works and Navigation.
Agricultural Works.
Original Works.
Trichinopoly Division.

Constructing two stone groynes on the left margin of the Cauvery river, at 8½ miles above the Ammamantapam.

Estimate Rs.
7,170

2. This sanction is registered as No. 8 I. of 1899-1900.

(True Extract.)

Under Secy. to Government,
Irrigation Branch.

To the Chief Engineer for Irrigation.

" Superintending Engineer, VI Circle, with seven enclosures.
" Examiner of Public Works Accounts.

(Signed) J. INGLIS,
Ex. Engr., Trichinopoly Divn.

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

PROCEEDINGS OF THE MADRAS GOVERNMENT.

*Estimate for constructing 2 new stone groynes
on the left bank of the Cauvery.*

Under date the

Read the following

From the Supg. Engineer B. Circle, N. 511.T.C. d/17th March/99.
To the ~~Chief~~ ^{Chief} Engineer do —, N. 14 T.C. d/23rd — do —
From the ~~Chief~~ ^{Chief} Engineer do —, N. 635.T.C. d/8th April 1899.

3

Note by the Chief Engineer
for Irrigation N. 932.

The Supg. Engineer, B. Circle,
submits for sanction the
accompanying estimate of
Rs. 7,170 for constructing
two stone groynes on the
left margin of the Cauvery
river at 8 1/4 miles, above

May C

Issue

2-5-99 W.H.
I

and copy of file to the Ammamautapam, in
the Trichinopoly division,

NOTE

57.989

3.8.9

where the current of the river
is diverted from the right to the
left bank and has caused
serious erosion. The
estimate may be sanctioned
An estimate for the temporary
2. The ~~large~~ ^{small} groynes
required to be constructed

in connection with the above
between the two stone groynes,

and below the lower stone
has already been sanctioned
by the Supg. Engineer under
"Repairs estimate."

Order thereon.

No. 413 Dg 6.5.99

The following estimate
is sanctioned:—

Irrigation.

43. Minor works & Navigation
Agricultural works.

Original works.

Trichinopoly Division.

Constructing two stone groynes
on the left margin of the
fauvery river, at $8\frac{1}{4}$ miles
above the Annamantapam.

Estimate Rs. 7170.

2. This sanction is registered
as No. 8 I of 1899-1900.

W.H.

27.4.99

Public Works (1899) Department.

IRRIGATION BRANCH.

ISSUE No. 14 TC

To

The Supg. Engineer Circle

(Reply to letter No. 571-TC dated 17.3.99)

Dated 23.2.99

Despatched 29.3.99

Enclosures * 5

* Particulars of Enclosures.

- 1 Survey
- 2 Sections of stone groyne
- 1 do do do
- 1 Eski int report.

SUBJECT.

Protecting the left margin
of the Cauvery — the forms that
the estimate for stone groyne
for — will be sanctioned, if
submitted separately but forms
are not available for carrying
out the work unless the S.E. can
provide them or transfer from
existing funds for his circle

To: The Chief Engineer for Irrigation.
" Supg. — do — B. Circle
" Examiner of P.W. Accounts

Recd
I suppose that the estimate is
submitted with No. 14 TC/99.
The return is by the S.E.
with the necessary papers.

They should be back. Think
see S.E. report.

18/3/99
10/3/99

BACK PAPERS.

No.	Date.
R14TC	17-3-99

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.
R22TC 84-99	

For diff into R14 TC 1899

For copy request see record
11-27-99

Public Works (1899) Department.

CURRENT No. 14 T.C.

Link this with
Current No. 15 T.C. — Linked
mhr 11/3/99

From

The Chief Engineer
17 Circle

Order El for orders.

10/3/99 No 14 TC of 23.3 99

No. 511 TC

The S.E. is informed that the
estimate for stone masonry will
be sanctioned if submitted
separately but funds are not
available for carrying out the
work unless the S.E. can
provide them by transfer from other
heads of his Dept.

2. The temporary masonry should be
changed to the permanent for repairs.

28/3/99

D.E. I

3. It should be considered whether
it would not be possible to
throw back the river bank
No

18/3/99
28/3/99

Dated 17th March 1899.

Received } 18 - do —
Registered }

Enclosures 5 ✓

Spare copies

SUBJECT.

Protecting the left
margin of the beaver-
submitting for sanction
an Estimate of Rs 10,270
for constructing stone and
hurda groynes for —
at 8 1/4 miles from above
Ammanantapam

Initials

18/3/99

A4 TC	20.399
A22 TC	8499

3651/39

U. S. DEPARTMENT OF AGRICULTURE
BUREAU OF PLANT INDUSTRY
To
FOR IRRIGATION.
18 MAR. 1899
No. 14 TC

The Chief Engineer,

SIR,

ENCLOSURES.

1. Curney
2. Section of
Stone pyrope
1-do - bundle pyrope
1. Tabulate with
Report.

I have the honor to forward
for sanction an estimate amounting
to \$10,270 for protecting the left mar-
-gin of the Caunery River at $8\frac{1}{4}$ miles,
just above the Ammamaukapau, which
is a little more than $\frac{1}{2}$ a mile above the
Caunery bridge.

2. The current of the river is directed a little above the pumping station from the Right to the Left bank and has caused a serious erosion. At the end of 1897 the erosion first began and protective works were put in last year. The floods however undermined the Modasil and the padugay was cut away very quickly. A hurdle groyne was then put in and measures taken to protect the bank, but

OFFICE OF THE SUPERINTENDING ENGINEER,

6TH CIRCLE,

Trichinopoly, 17 March 1899.

8/17-

Wm. C. V. Brady A.C.

Superintending Engineer,

6th Circle.

the deep bed of the river now runs along the toe of the bank, and more substantial protective work is necessary.

3. It is proposed to construct 2 Stone groynes with hurdle groynes between them, and also below the lower groyne.

4. There appears to be a larger deposit of sand in the river than was formerly the case. There are however no cross sections of the river either in this or the Executive Engineer's office from which this supposition can be verified.

5. The Superintending Engineer, V Circle, has been asked if he has any cross sections of the river.

I have the honor to be
Sir,

Yours most obedient servant,

D. K. No. 1111 Lt Col. R. C.

Engrs Engineer, V Circle

Report to accompany Estimate for Construction - of two stone groynes in the Cannery left margin at 8 1/4 B. M. near Annamantapam.

Amount of Estimate Rupees, 7170--

A high sand bank has been formed in front of the pumping station and the deep bed of the river is diverted from the Right bank to the left, the current setting on the bank about 1/4 mile above Annamantapam.

Encls: 4
1- Tracing plan of Survey
2- Tracing plan of stone groynes
1- Estimate with reports
4

There was a slight erosion in the low floods at the end of 1897 and protective works were put up last year. The floods however undermined the masonry and a serious erosion commenced. The masonry was repaired but it was again carried away, and some 20 ft. of paddy field eroded bringing deep water up to the toe of the bank. A hurdle groyne was got in and the bank protected last year. It is necessary to put in 2 Stone groynes 54 + 28 ft. long with intermediate hurdle groynes as shown on the Survey the sites for which have been fixed by the Superintending Engineer after his inspection of the margin.

The top of the groynes will be one foot above M. D. L. of 1896 and the stone groynes will be packed with a slope of 3/4 to 1, below the existing water level and 1/2 to 1 above.

The

Public Works (1899) Department.

CURRENT No. 22 T.C.

J.E.D.

The Estimate has been checked & corrected. The total amount of the estimate stands the same. Inv ✓
21-4-99.

1000

From

The Supr Engineer
Circular
No. 635 T.C.

Order

CR1
Steel rods
port hand
foundry
11/4

Dated 8 April 1899
Received } 10 do —
Registered }
Enclosures 4 ✓
Spare copies

SUBJECT.

2. New Stone Groynes on the L. Bank of the Cauvery near Annasa. Mantapam
Submitting for sanction an estimate of Rs 7170 for Constructing

Kabera
J.E.D.
11/4
Submitted
10/4/99

LCB
10/4/99
sent today with papers
M. S. J. 1899

255.2
32651/99

John Inglis
Executive Engineer
Quilichipoly W.D.
6/4/99.

The Stone will be confined at the base of the groyne, by a row of country wood piles 6" diameter and 2 ft. apart from centre to centre right round. Necessary tail banks will also be provided in continuation of the groynes to meet the paragai or bank as the case may be.
A separate estimate amounting to Rupees 3100 for putting up six hurdle groynes 25 ft. long and 7.5 ft. apart between the two stone groynes, the 1st commencing from 160 ft. below the 1st stone groyne and four below stone groyne No. 2, as marked on the survey has been submitted for sanction under "Repair" agreeably to Sanction Chief Engineer No. 41 dated 23rd March 1899. The work will be done in strict accordance with the Standard Specifications and in a workmanlike manner.

BACK PAPERS.

No.	Date.
N 147 C	17-3-99
D 147 C	23-3-99
N 137 C	22-3-99

FURTHER PAPERS.

No.	Date.

No. 635 TC

OFFICE OF THE SUPERINTENDING ENGINEER,
Trichinopoly, 6th Circle, 1899

From

Mr. C. V. Brady S.E.
Superintending Engineer,
6th Circle.

To

The Chief Engineer,

for Irrigation

10 APR. 1899
22 TC
SIR,

ENCLOSURES.

1. Survey
2. Plans of Groynes
3. Estimate with report, data &c complete

With reference to your Memorandum No. 147 C dated 23 March 1899, I have the honor to submit an estimate amounting to Rs 7,170 for 2 new Stone Groynes to be constructed on the Left Bank of the Cauvery river above the Annamantapuram. The necessity for these groynes has been explained in my letter No. 511 TC dated 17 March 1899.

2. I have sanctioned the temporary groynes required on a repair estimate.

3. The question of retiring the bank will be separately reported on. It is indispensably necessary that the present margin be retained at present and that the protective works

proposed be carried out at once.

I have the honor to be
Sir.

Yours most obed^t Servant.

J. P. Noilly Lt Col. R.E.

Brigadier, 14th Corps

4/

John
Noilly

029
3651/89