Public Works (1899) Department.

G.O., No. 457

DATED 29 May 1899

29/5/99

[Despatch Abstract.]

Sagileru Anicut

Estimate of Rs 5,980 for improving the —— in the Cuddapah District, sanctioned with remarks.

100.

F.R.I

29-5-99

29/5

[P. W. 26. 250-27-4-98.]

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. 457 I., 29th May 1899.

MAY.

Sagileru Anicut

Estimate of Rs. 5,980 for improving the — in the Cuddapah district, sanctioned with remark.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.
Account.

READ—the following papers:—

From Lieut.-Colonel W. L. C. BADDELEY, R.E., Superintending Engineer, III Circle, to the Chief Engineer for Irrigation, dated Bellary, 1st May 1899, No. 1684 I.

I have the honour to submit, herewith, plans and estimates, amounting to Rs. 4,860, for improving the Sagiléru anicut, and request you will be good enough to obtain early sanction to the same.

The report accompanying the estimate explains the necessity for the work, which has been ordered to be put in hand in anticipation of sanction to the estimate.

I have added 10 per cent. to the amount of the estimate for "unforeseen" works, as the nature of the work requires this provision, if revised estimates are to be avoided. This is in accordance with the principle laid down in Chief Engineer's Note embodied in G.O., No. 923 W. of 28th March 1899.

ENCLOSURE.

REPORT to accompany the estimate for improvements to the Sagiléru anicut, Sagiléru Upper Project.

	Rs.
Amount of estimate	4,860

When the anicut was constructed the original design was not adhered to, the rear apron on the right side was much reduced, and the rear retaining wall was not constructed for the right half of the anicut.

2. The deep portion of the river, or as a matter of fact the whole of the river itself, was only on the left side and as the length of anicut required for passing flood waters was greater than the width of the river as it naturally would be, the extension required was done on the right side on natural ground, and it was in this length that the apron was reduced and the rear retaining wall dispensed with.

3. It is now found that it was only false economy to have reduced the work below the anicut on the right side. The river has now set on the right side and the apron below the first retaining wall has been for the most part washed away, and there are scour holes formed in rear.

4. The river margin on the right side must be allowed to be cut away by the river itself, but for the safety of the anicut the following works are found to be necessary and are provided for in the estimate:—

(1) The sloping of the high ground in front of anicut and pavement at the scours, so that there may be no tendency for the flood waters to drop down vertically and scour the bed.

(2) The extension of the rear retaining wall for the whole width of the anicut, the top of the wall being kept at + 52·00 and the foundations extending down to + 45·50.

(3) Providing bind-walls in the second apron corresponding to those in the first apron, these bind-walls sloping from + 55·50 to + 52·00.

(4) Filling in the scours in rear with shingle and sand and packing up the apron to a uniform slope between the first and the second retaining walls.

(5) Providing a flat apron, 30 feet wide, below the last retaining wall and extending this apron on a slope for another 20 feet between C. S. No. 4 and the right bank as shown on the survey.

(6) Providing revetment on the right margin of the river below the anicut up to + 65·00, this revetment resting on a masonry toe-wall, 3′ × 2′ and extending with a suitable curve for a length of 115 feet below the last retaining wall as shown on the survey.

5. The above proposals are in conformity with the instructions given by the Superintending Engineer when he inspected the Sagiléru project in December 1898, and it is necessary that these works should be put in hand as early as possible, so that the anicut may be put in a safe condition before the next floods.

24th March 1899. (Signed) A. H. MORIN,
Ex. Engr., Cuddapah Divn.

To the Superintending Engineer, III Circle, dated 6th May 1899, No. 25 C.D.

No. 100 I.

Note by the Chief Engineer for Irrigation.

The Superintending Engineer, III Circle, submits for sanction the accompanying estimate, amounting to Rs. 4,860, for improving the Sagiléru anicut, Sagiléru (Upper) project, Cuddapah division. The estimate provides 10 per cent. for unforeseen works which may be passed only as a special case, as it is difficult in this case to estimate for the work exactly. It has already been pointed out to the Superintending Engineer that, as a general rule, the 5 per cent. authorized by the Public Works Department Code is sufficient if the estimates are made with reasonable care.

22nd May 1899. (Signed) W. HUGHES,
Chief Engineer for Irrigation.

ORDER—No. 457 I., dated 29th May 1899.

The following estimate is sanctioned:—

Irrigation.
43. Minor Works and Navigation.
Minor Works for which Capital and Revenue Accounts are kept.
Sagiléru (Upper) Project.
Capital Account.
I. Head Works.
3. Works.
Improving the Sagiléru Anicut.

	Rs.
I. Works	4,860
II. Establishment	1,118
III. Tools and plant	2
Total, Estimate ...	5,980

2. This sanction is registered as No. 13 I. of 1899-1900.

3. The attention of the Superintending Engineer, III Circle, is drawn to the remarks of the Chief Engineer for Irrigation in the foregoing note.

(True Extract.)

Under Secretary to Government,
Irrigation Branch.

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

Exd. P. Seetharam.

Public Works (1899) Department.

451
454

CURRENT No. 4177

From The Chief Engr for Irrign

Order

No. 1002

Dated 19. May 99

Received 26.5.99

Registered

Enclosures ~~4~~ 21 (3 plans)

Spare copies.

SUBJECT.

Sagilair Ancut- Cuddapah Dt
Recommending for sanction
the estimate for Rs 4,860 for
improving the ——

CS/

BACK PAPERS.

No.	Date.

FURTHER PAPERS.

No.	Date.

PUBLIC WORKS DEPARTMENT,

IRRIGATION BRANCH.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Estimate for Rs 4860 for improvements to the Sagileru anicut. Cuddapah Dist.

UNDER date the

READ the following

From the Supg: Engineer, III circle — No. 1684. dy 1st May 1899.

To the ——— do ——— — No. 25 C. D. dy 6th ——— do ———.

Note by the Chief Engineer for Irrigation. No. 1009.

3P

Map A.

The Supg: Engineer, III circle, submits for sanction the accompanying estimate, amounting to Rs. 4860 for improving the Sagileru anicut, Sagileru (Upper) project, Cuddapah division. The estimate ~~may be sanctioned,~~ providing ~~the provision of~~ 10 per cent ~~made therein~~ for unforeseen works which may be passed only as a special case, as it is difficult in this case to estimate for the work exactly. It has already been pointed out that ~~Rs~~ a general rule the 5 per cent authorized by the

Issue W.H. 1 22.5.99

F.E.D.

S.E. Kist

P. W. D. Code is sufficient if the estimates are made with reasonable care.

Order thereon No: 457 2829-5-99.

The following estimate is sanction-ed:—

Irrigation

43. Minor works & Navigation,

Minor works for which Capital & Revenue Accounts are kept.

Sagilaru (Upper) project.

Capital Account.

I. Works.

I. Head works.

3. Works.

Improving the Sagilaru anicut

	Rs.
I. Works	4,860.
II. Establishment	1118
III Tools & plant	2
Total Estimate	5,980

2. This sanction is registered as No 31 of 1899-1900.

3. The attention of the Supdg: Engineer III Circle, is drawn to the remarks of the Chief Engineer for Irrigation in the foregoing note.

9/5/99

W.H. 4.5.99

A.H 20.5.99

(with 18 enclos)

To. The Chief Engineer for Irrign
& Supdg: Do — III Circle
& Examiner P.W. Accounts

E. I. Form No. 1—900—27-3-96.

16-5-99.

Public Works (1899) Department.

IRRIGATION BRANCH.

ISSUE No. 25 C.D.

To

The S.E. III

The estimate has been checked.

(Reply to letter No. 16842, dated 1-5-99

Rec 15/5/99.

13/5/99

Dated 6 } -5- 99
Despatched 8 }

Enclosures * —

* Particulars of Enclosures.

—

Mr Rahimsahib

Please enter in Record Book and pass on to C.E.

A.S.H 8.5.99

SUBJECT.

Sagilair Anicut — Stating that the est^e for Rs 4860 for improving the — may be put in hand in anticipation of sanction

E. I. Form No. 13—4,000—7-1-99

BACK PAPERS.

No.	Date.
Q24 CD	3.5—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.

Q25 CD dy 6-5-99.

S.S III

S.S. No 1604 dy 1.5.99

The work provided for in the estimate accompanying the above letter may be put in hand in anticipation of sanction. The provision of 12½ per cent for unforeseen work is passed as a special case it being considered that the allowance of 5 per cent authorized by the Code and the rule dispensing with revised plinths when the tender does not exceed 5 per cent afford in the vast majority of works ample provision for unforeseen work if the estimates are made with reasonable care

6/5/99 WH.

6/5

W.S after despatch send for in Ch I check the estimate

WS 8/5/99

Public Works (1897) Department.

CURRENT No. 24 C.D

E. Wragge
Under Sec.

From The Superintg. Engineer Cashmere

Order Tuesday Letter
Cheque
Receipt
Estimate
Specification
Tender
Agreement
Plan
Tracing
Letter

No. 1684/9

Dated 1-5-99

Received 3-5-99

Registered

Enclosures 4 & 19

Spare copies

SUBJECT.

England Allen & Co
Forwards for
sanction plans and
estimate for £4860
for improving the
Cashmere

C81
Check
Dft memo
a.6/5

Dft memo
Estimate has been checked.

Lees
3/5/99

Dws-1
4/7/99

BACK PAPERS.

No.	Date.
K2-III 7 6199	

FURTHER PAPERS.

No.	Date.

ENGINEER IRRIGATION. 3 MAY 1899 24CD

Report to accompany the Estimate for Improvements to the Sagiler anicut. Sagiler upper Project.

Amount of Estimate Rs. 4.860.

1. When the anicut was constructed the original design was not adhered to, the rear apron on the Right side was much reduced, and the rear retaining wall was not constructed for the Right half of the anicut.

2. The deep portion of the river, or as a matter of fact the whole of the river itself was only on the left side and as the length of anicut required for passing flood waters was greater than the width of the River as it naturally would be, the extension required was done on the Right side on natural ground, and it was in this length that the apron was reduced and the rear retaining wall dispensed with.

3. It is now found that it was only false economy to have reduced the work below the anicut on the Right side. The river has now set on the Right side and the apron below the 1st retaining walls has been for the most part washed away, and there are deep holes formed in rear.

4. The river margin on the right

side must be allowed to be cut away by the river itself, but for the safety of the ancient the following works are found to be necessary and are provided for in the Estimate.

(1) The sloping of the high ground in front of ancient and pavement at the scours, so that there may be no tendency for the flood waters to drop down vertically and scour the bed.

(2) The extension of the rear retaining wall for the whole width of the ancient, the top of the wall being kept at + 52·00 and the foundations extending down to + 46·50.

(3) Providing bind-walls in the second apron corresponding to those in the first apron, these bind walls sloping from + 55·50 to + 52·00.

(4) Filling in the scours in rear with shingle and sand and packing up the apron to a uniform slope between the 1st & the 2nd retaining walls.

(5) Providing a flat apron 30 ft wide below the last retaining wall and extending this apron as a slope for another 20 ft between C.S. No 4 and the right bank as shown on the survey.

(6) Providing revetment on the Right margin of the river below the ancient up to + 65·00, this revetment resting on a masonry toe-wall 3'×2' and extending with a suitable curve for a length of 115 ft below the last retaining wall as shown on the survey.

5. The above proposals are in conformity with the instructions given by the Superintending Engineer when he inspected the Sapiler Project in December 1898, and it is necessary that these works should be put in hand as early as possible, so that the ancient may be put in a safe condition before the next floods.

24/3.
Executive Engineer
Cuddapah Division
20/3/99

No. 1681 I

Superintending Engineer's Office,
3rd Circle.
Vellore, the 3rd May 1899.

From Lieut. [illegible] Addeley R.E.
Superintending Engineer,
3rd Circle,

To

The Chief Engineer
for Irrigation,
Madras.

CHIEF ENGINEER FOR IRRIGATION.
3-MAY. 1899
24 CD

Sir,

4 Enclosures.
1 Survey.
2 Tracings of sections
1 File of 15 Estimates with report
Book list V°

I have the honour to submit herewith plans and estimates amounting to Rs. 4860 for improving the Sagiler Anicut and request you will be good enough to obtain early sanction to the same.

The report accompanying the estimate explains the necessity for the work, which has been ordered to be put in hand in anticipation of sanction to the estimate.

I have added 10 per cent to the amount of the estimate for "unforeseen" works as the nature of the work requires this provision, if revised estimates are to be avoided. This is in accordance with the principle laid down in Chief Engineer's Note embodied in G.O. No. 923 W of 28th March 1899.

† not yet recd. in this Office

I have the honour to be,
Sir,
Your most obedient servant,
Lieut. Addeley R.E.
Supty. Engineer, III Circle.

Ch's 3
4/5/99

From

The Superintending Engineer,

3rd Circle,

To

The _____

_____

_____

Dated } _____ 189 .
Received }

Enclosures.

No.

Subject.