

Public Works (1898) Department.

G.O., No. 233 J

DATED 19 March 98

21/3/98

[Despatch Abstract.]

Syphon sluices for Gundigane tank, Bellary Division.
The revised estimate of Rs. 4,010 for constructing five —
Sanctioned.

100/6

82 4398 Rb
17/3/98

21/3

420

Syphon Sluices for Gundiganoor Tank, Bellary Division
The revised estimate of Rs. 4,010 for constructing five —, sanctioned.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.
Account.

READ—the following papers :—

From J. C. LARMINIE, Esq., A.M.I.C.E., Superintending Engineer, III Circle, to
the Chief Engineer for Irrigation, dated Bellary, 2nd February 1898,
No. 5805 I.

I have the honour to submit herewith plan and revised estimate, amounting to Rs. 4,010, for constructing five syphon sluices for Gundiganoor tank and request that you will be good enough to obtain the sanction of Government for the same. The excess over the original estimate sanctioned in G.O., No. 467 I. of 1st June 1896, is Rs. 1,000, and is explained in the report and the comparative statement accompanying the estimate. The original sanctioned plan and estimate for Rs. 3,010 are herewith forwarded for information and return. In my opinion such long pipes of only 9" diameter will be very apt to silt up; Nos. 1, 2 and 3 have been completed, and the concrete for the fourth has been laid.

ENCLOSURE.

REPORT to accompany revised estimate for constructing syphon sluices for the Gundiganoor tank.

Amount of estimate	RS.
A revised estimate is necessary as the	4,010

This revised estimate is necessary as the amounts allowed for earthwork, baling and stone-ware pipes in the original estimate are insufficient.

2. In excavating the foundation trenches for the first syphon sluice powerful springs were met with, and the sides of the trenches fell in as soon as the water was baled after accumulating during the night. It was found that side slopes 1 : 1 would just stand, and the trenches were therefore widened with that slope and space provided at the bottom for cutting shallow drains to carry off water to the swamps.

3. This estimate provides for the probable amount of baling required in constructing each of the remaining four sluices and for cutting the foundation trenches with side slopes 1 : 1 and widening. The rate for earthwork given in the original estimate is too low for the nature of the work data enclosed.

4. The site of the other four sluices are all below sluice No. 1, so that the same quantity of water will be met with very probably; therefore lump sums for baling have been increased.

5. On examination of the sites for sluices 2, 4 and 5, it was found that they could be reduced with advantage from a length of 120 feet to 87 feet, and the estimate provides for constructing them to that length.

6 The cost per running foot stoneware pipe at work spot is Rs. 1-8-6 instead of Rs. 1-5-0 as originally allowed. This estimate provides for jointing the pipes with portland cement.

7. The levels given in the original plan for sluice are incorrect. Fresh plan of sluices and longitudinal level section sheet are submitted with this estimate. The levels were taken three times and checked.

10th April 1897.

(Signed) H. E. CLERK,
Executive Engineer.

No. 77 I.

Note by the Chief Engineer for Irrigation.

In G.O., No. 467 I., dated 1st June 1896, an estimate for Rs. 3,010 was sanctioned for excavating a channel and constructing five syphon sluices for Gundiganoor tank, Bellary division. The Superintending Engineer, III Circle, now submits a revised estimate, amounting to Rs. 4,010, for constructing the five syphon sluices, three of which have been built and the foundations of a fourth laid. The revision of the estimate, involving an excess of Rs. 1,000, takes account of insufficient allowance having been made in the original estimate for the hardness and description of soil to be excavated and other petty differences. No alteration is proposed in the design, although the Superintending Engineer expresses the opinion that such long pipes, only 9" diameter, will be very apt to silt up.

The fifth sluice has not apparently yet been commenced.

2. The channel included in the original sanction will be excavated by the ryots.

3. The revised estimate may be sanctioned.

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

9th March 1898.

ORDER—No. 233 I., dated 19th March 1898.

The following revised estimate is sanctioned in supersession of the estimate for Rs. 3,010 sanctioned in G.O., No. 467 I., dated 1st June 1896:—

Irrigation.

43. Minor Works and Navigation.

Minor Works for which neither Capital nor Revenue Accounts are kept, P.W.D.

Original Works.
Bellary Division

Constructing five syphon sluices for Gundiganoor tank.

RS.

Estimate 4,010

2. This sanction is registered as No. 183 I. of 1897-98.

(True Extract.)

Under Secretary to Government,
Irrigation Branch.

To the Chief Engineer for Irrigation.

Superintending Engineer, III Circle, with nine enclosures.

Examiner of Public Works Accounts.

Exd. S. J. Pereira.

Public Works (1898) Department.

CURRENT No. 2503

2537

From The Chief Engr for Indu

Order

No. 779

Dated 9-3-98

Received

Registered

Enclosures 11 (2 plans)

Spare copies

SUBJECT.

Gundafanoor Tank - Revised estimates of Rs 4000 / for constructing fine syphon sluices for - not recommending that the ^{be} sanctioned

BACK PAPERS:

FURTHER PAPERS.

PUBLIC WORKS DEPARTMENT,
IRRIGATION BRANCH.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the

READ the following

From the Supery. Engineer, Third Circle. (H.E. No. 5805 - I dated 2^d February 1891.
No 77 I d. 3. 3 98

Note by the Chief Engineer for inspection.

In G.O. No. 467, dated 1 June 1876,
an estimate for Rs. 3010 was sanctioned
for excavating a channel and
constructing five siphon sluices for
Gundiganoor tank, Bellary division.
The Supy. Engineer, Third Circle, now sub-
mits a revised estimate amounting to
Rs. 4,010 for constructing the five siphon
sluices, three of which have been built
and the foundations of a fourth laid.
The revision of the estimate, involving an
excess of Rs. 1000, takes account of
insufficient allowance having been
made in the original estimate for the
hardness and ^{description} quantity of soil to be
excavated and other petty differences.
No alteration is proposed in the design,
although the Supy. Engineer expresses
the opinion that such long pipes,
only 9" diameter, will be very apt to
silt up.

Issue

mt

15.3.98

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LCB
15/3/95

The fifth sluice has not apparently
yet been commenced.

2. The channel included in the
original sanction will be excavated
by the ryots.

3. The revised estimate may be sanctioned.

HH
9/3/98 Order thereon. No 233 of 19-3-98
9/3/98

The following revised estimate is
sanctioned in supersession of the
estimate for Rs. 3010 sanctioned in
G.O. No. 467 dated 1st June 1896:—

Ingadon.
43 Minor Works & Repairs.
Minor Works for which neither Capital nor
Revenue Account are kept, P.W.D.
Original Works.
Bellary Division.
Constructing five syphon sluices
for Gundigannoor tank.
Estimate. ————— Rupees 4,010.

2. This sanction is registered as No.
183 J. of 1897-98.

HH
9/3/98 *HH*
9-3-98

LC
7/3/98
H.E. 11/3/98

Public Works (1898) Department.

CURRENT No. 16 BL

From The Suptg Engineer 3 Circle

Order

No. 5805 J

Dated 2-2-98

Received 5- do

Registered

Enclosures 1 File of estimates

Spare copies

SUBJECT.

Gundigannoor Tank. Forward
revised estimate Rs 4,010-
for constructing 5 syphon
sluices for—

7.2.9.
18.3.10
19/3
By The Chief Engineer for Bangalore
Supt. Engineer, Third Circle
Examiner of P.W. Accounts.

Amount of Estimate Rs. 4610

This revised Estimate is necessary as the amounts allowed for Earthwork, hauling, and Stone ware pipes in the original Estimate are insufficient.

(2) In excavating the foundation trenches for the first Siphon since powerful Springs were met with and the sides of of the trenches fell in as soon as the water was ^{baled} bailed after accumulating during the night. It was found that side slopes 1:1 would just stand and the trenches were therefore widened, with that slope and space provided at the bottom for cutting shallow drains to carry off water to the ⁺sump.

(3) This Estimate provides for the probable amount of hauling required in constructing each of the remaining 4 Sluices and for cutting the foundations trenches with side slopes 1:1 and widening. The rate for Earthwork given in the Original—

Chd

Is Cumpo
correct?

Sta

2573480

swamps

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Estimate is too low for the nature of the work data enclosed.

(4) The Sides of the other 4 Sluices are all below sluice No. 1 so that the same quantity of water will be met with very probably. Therefore dump sums for leading have been increased.

(5) On Examination of the Sides for Sluices 2, 4, and 5, it was found that they could be reduced with advantage from a length of 120 ft to 87 ft and the Estimate provides for Constructing them to that length.

(6) The cost per running foot stone wear pipe at work spot is Rs. 1-8-6 instead of 1-5-0 as originally allowed. This Estimate provides for jointing the pipes with port-land cement.

(7) The levels given in the original plan for sluice are incorrect. Fresh plan of sluices and longitudinal level section sheet are submitted with this Estimate. The levels were taken 3 times and checked.

(Signed) A. Stuart
Assistant Engineer
No. III. Sub. Division

H. H. Clark
Executive Engineer,

Me
10-4-97

No. 5816 J

Superintending Engineer's Office,

3RD CIRCLE,
Bellary 28 February 1898.

FROM

J. C. Lammie Esq., M.I.C.E.,
SUPERINTENDING ENGINEER,
IIIRD CIRCLE,
BELLARY.

TO

THE Chief Engineer
for Irrigation
Madras.

Sir,

Enclosures.

1 file of estimate
for Rs 4010.
1 tracing.

sanctioned
together

work

I have the honour to submit herewith with plan & revised estimate amounting to Rs 4010, for constructing 5 siphon sluices for Gundigant Tank & request that you will be good enough to obtain the sanction of Government for the same. The excess over the original estimate sanctioned in G.O. No 467 J of 1st June 1896 is Rs 1000, and is explained in the report & the comparative statement accompanying the estimate. The original sanctioned plan and estimate for Rs 3010 are herewith forwarded for information and return.

In my opinion such long pipes of only 9" diameter will be very apt to silt up. Nos 1, 2, & 3 have been completed and the concrete for the fourth has been laid

Recd
25/3/98

From

The Superintending Engineer,
IIIrd Circle,
Bellary.

To

The

Dated

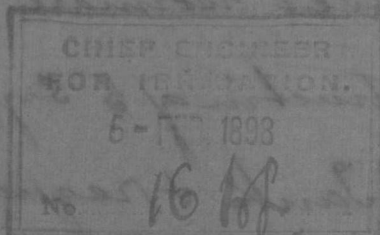
Received

189

Enclosures

No.

Subject.



629.11
2503/20