

Public Works (1896) Department.

G.O., No. 1369

DATED 13th
6/2/96.

[Despatch Abstract.]

A Scurving Sluice in the right
bank of Barua Saut ^{supply channel}
Estimate for constructing — Sauchand
A copy of the Oms forwarded to the Govt of India

Estimate of Rs. 2,700 for constructing a scouring — in the right bank of Barur tank supply channel, and excavating a channel therefrom to the river, Salem division, sanctioned, and a copy of the Proceedings ordered to be forwarded to the Government of India.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.
Account.

READ—the following papers :—

No. 294 I.

Forwarded to the Chief Engineer for Irrigation for sanction if he thinks the work desirable. The undersigned considers it unnecessary and mere waste of money, as there is no water available for scouring purposes. Much money has been wasted in this manner in constructing scouring sluices in the Pálár and other anicuts in the North Arcot district. They are so rarely worked that the benefit derivable is practically *nil*.

(Signed) J. HANNAN,
Suptg. Engr., IV Circle.

20th December 1895.

ENCLOSURE.

REPORT to accompany the estimate of Rs. 2,180 for the construction of a scouring sluice in the right bank of Barur tank supply channel and the excavation of a channel therefrom to the river.

Since the construction of Nedungal anicut across Ponnai river, that river is rising in bed above the anicut with the result that the head of the supply channel therefrom to Barur tank is getting silted up to 3 feet above floor level of the head sluice. There are scouring sluices in the anicut which do help in washing down the silt, but do not do so to the required extent. The Chief Engineer for Irrigation has, therefore, ordered in his inspection notes of April 1895 the preparation of an estimate for a scouring sluice in the right bank of the supply channel at a suitable point, a short distance below the head sluice. This estimate is accordingly prepared. The sluice is designed as per detailed instructions given by him in the notes, and will be provided with the screw-gearing shutters now fitted in the second regulator across the channel which is considered as of little or no use as ordered therein. Owing to existence of rock in the direct line from the sluice to the river, the channel from the former to the latter could not be cut straight, and is therefore proposed to be taken in a curve.

(Signed) GOPALAKRISHNIER,
Executive Engineer.

9th December 1895.

No. 23 I.

Submitted for sanction.

2. With regard to the remarks of the Superintending Engineer, the Chief Engineer for Irrigation can only say that he totally disagrees with him regarding the utility of sand sluices which, if properly worked, do, in ordinary years, effect a great saving in silt clearances, provided that the sills are placed at a sufficiently low level.

3. The Superintending Engineer does not attempt to prove his assertions and probably his experience of the scouring sluices in the North Arcot district is limited to the last few years when the water available has notoriously been deficient. From the Pálár river diagrams for the last ten years it appears that water was available for scouring purposes for an average of seventeen days, and when it is remembered that this period includes a time of scarcity, it does not appear that the Superintending Engineer's assertion is supported by facts.

30th January 1896. (Signed) R. R. E. DRAKE-BROCKMAN, Col., R.E.,
Chief Engineer for Irrigation.

ORDER—No. 136 I., dated 6th February 1896.

The following estimate is sanctioned :—

Capital Expenditure not charged to Revenue.			
49. Irrigation.			
Barur Tank Project.			
Open Capital Account.			
2. Main Canals and Branches.			
Unremunerative Work.			
3. Masonry Works.			
(1) Constructing a scouring sluice in the right bank of Barur tank	RS.		
supply channel	1,500		
6. Earthwork.			
(2) Excavating a channel to the river	680		
Total I. Works ...	2,180		
II. Establishment ...	501		
III. Tools and Plant ...	19		
Total estimate ...	2,700		

2. This sanction is registered as No. 194 I. of 1895-96, and will expire on 31st March 1898.

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

[Here enter No. 137 I., dated 6th February 1896.]

(True Extract.)

Under Secy. to Govt., P.W.D.,
Irrigation Branch.

To the Chief Engineer for Irrigation.

- „ Superintending Engineer, IV Circle, with nine enclosures.
- „ Examiner, Public Works Accounts.
- „ Revenue Department.

Bxd. Shaik Karim.
Spare Copies

IRRIGATION. ACCOUNT.

Govt. of {1896} Madras.

PUBLIC WORKS.

Dated February, 6th.

Recd.

Encl.

G.O. Nos. 136, 137 I., 6th Feb.
1896.

FEBRUARY.

Sluice

Forwarding Proceedings sanctioning the estimate of Rs. 2,700 for constructing a scouring — in the right bank of Barur tank supply channel, and excavating a channel therefrom to the river, Salem division.

GOVERNMENT OF MADRAS.
PUBLIC WORKS DEPARTMENT.

Irrigation.
Account.

READ—the following papers :—

No. 294 I.

Forwarded to the Chief Engineer for Irrigation for sanction if he thinks the work desirable. The undersigned considers it unnecessary and mere waste of money, as there is no water available for scouring purposes. Much money has been wasted in this manner in constructing scouring sluices in the Pálár and other anicuts in the North Arcot district. They are so rarely worked that the benefit derivable is practically nil.

(Signed) J. HANNAN,
Suptg. Engr., IV Circle.

20th December 1895.

ENCLOSURE.

REPORT to accompany the estimate of Rs. 2,180 for the construction of a scouring sluice in the right bank of Barur tank supply channel and the excavation of a channel therefrom to the river.

Since the construction of Nedungal anicut across Ponnai river, that river is rising in bed above the anicut with the result that the head of the supply channel therefrom to Barur tank is getting silted up to 3 feet above floor level of the head sluice. There are scouring sluices in the anicut which do help in washing down the silt, but do not do so to the required extent. The Chief Engineer for Irrigation has, therefore, ordered in his inspection notes of April 1895 the preparation of an estimate for a scouring sluice in the right bank of the supply channel at a suitable point, a short distance below the head sluice. This estimate is accordingly prepared. The sluice is designed as per detailed instructions given by him in the notes, and will be provided with the screw-gearing shutters now fitted in the second regulator across the channel which is considered as of little or no use as ordered therein. Owing to existence of rock in the direct line from the sluice to the river, the channel from the former to the latter could not be cut straight, and is therefore proposed to be taken in a curve.

(Signed) GOPALAKRISHNIER,
Executive Engineer.

9th December 1895.

No. 23 I.

Submitted for sanction.

2. With regard to the remarks of the Superintending Engineer, the Chief Engineer for Irrigation can only say that he totally disagrees with him regarding the utility of sand sluices which, if properly worked, do, in ordinary years, effect a great saving in silt clearances, provided that the sills are placed at a sufficiently low level.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

2

No. 136 I., 6TH FEBRUARY 1896.

3. The Superintending Engineer does not attempt to prove his assertions and probably his experience of the scouring sluices in the North Arcot district is limited to the last few years when the water available has notoriously been deficient. From the Palar river diagrams for the last ten years it appears that water was available for scouring purposes for an average of seventeen days, and when it is remembered that this period includes a time of scarcity, it does not appear that the Superintending Engineer's assertion is supported by facts.

(Signed) R. R. E. DRAKE-BROCKMAN, Col., R.E.,
Chief Engineer for Irrigation.
30th January 1896.

ORDER—No. 136 I., dated 6th February 1896.

The following estimate is sanctioned :—

Capital Expenditure not charged to Revenue.	
49. Irrigation.	
Barur Tank Project.	
Open Capital Account.	
2. Main Canals and Branches.	
Unremunerative Work.	
3. Masonry Works.	
(1) Constructing a scouring sluice in the right bank of Barur tank supply channel ...	Rs. 1,500
6. Earthwork.	
(2) Excavating a channel to the river ...	680
Total I. Works ...	2,180
II. Establishment ...	501
III. Tools and Plant ...	19
Total estimate ...	2,700

2. This sanction is registered as No. 194 I. of 1895-96, and will expire on 31st March 1898.

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

[Here enter No. 137 I., dated 6th February 1896.]

(True Extract.)

(Signed) R. R. E. DRAKE-BROCKMAN, Col., R.E.,
Secretary to Govt., P.W.D.,
Irrigation Branch.

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

ENDORSEMENT—No. 137 I., dated 6th February 1896.

Forwarded.

(By order.)

To the Secretary to the Government of India,
Public Works Department.

Ed. Shaik Karim,
Spoke Copies

Colonel, R.E.,
Secretary to Govt., P.W.D.,
Irrigation Branch.

UNDER date the

READ the following

Endorsement from the Suptg Engineer }
4th Circle.

(H.E. NO: 294-I. dated 20-12-95)

No: 23. I of 30.1.96

Submitted for sanction.

2 With regard to the remarks of the Superintending Engineer, the Chief Engr: for Irrigation can only say that he totally disagrees with him regarding the utility of sand sluices which, if properly worked, do in ordinary years, has effect a great saving in silt clearances provided that the sills are placed at a sufficiently low level.

3 The Superintending Engineer does not attempt to prove his assertions and probably his experience of the scouring sluices in the North Arcot District is limited to the last few years when the water available has notoriously been deficient. From the Palar river diagrams for the last 10 years it appears that water was available for scouring purposes for an average of 17 days and when it is remembered that this period includes a time of scarcity it does not appear that the Suptg Engineer's assertion is supported by facts.

Order

P. W. CURRENT No. 990

Order thereon

No 136 July 6 July 1896

The following estimate is sanctioned.

Capital Expenditure not charged to Rev:

49 Irrigation.

Barur Tank Project

Open Capital Account

2 Main Canals and Branches.

Unremunerative Work-

3 Masonry Works

1 Constructing a scouring sluice
in the right bank of Barur Tank

Supply Channel----- 1,500

6 Earthwork

2 Excavating a channel to the river 680

Total 1 Works----- 2,180

11 Establishment---- 501

111 Tools & Plant---- 19

Total estimate 2,700

2 This sanction is registered as NO
1941 of 1895-96 and will expire on 31st
March 1898.

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

Puedt
30/

(H.E. NO. 137 July 6 July 1896)

F o r w a r d e d.

Puedt
30/

E. I. Form No 1-1,000-27-11-95.

H. E. the Governor.

To Encls 11 (3 plans)

3 Feb Decs: 31.1.96

Estimate for constructing
a scouring sluice in the right
bank of Barur Tank supply
channel & excavating a
channel to the river

Issue

Puedt

DEPT. OF
1896

To, The Chief Engineer for Irrigation
.. Suptg Engineer IV Circle
.. Examiner of P.W. Accounts
.. Revenue Department.

9

280
Report to accompany the estimate
of Rs 2180 for the construction of a Scouring
Sluice in the right bank of Barur Tank
Supply Channel & the excavation of a
Channel therefrom to the river.

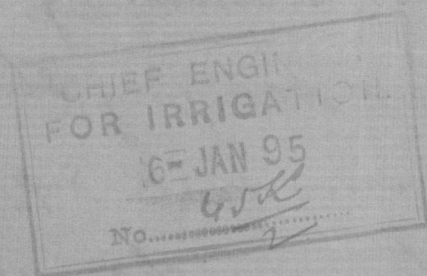
Since the construction of Reddingal
Arrent across Ponnai river, that river
is rising in bed above the Arrent
with the result that the head of the Supply
Channel therefrom to Barur Tank is getting
silted up to 3 ft above floor level of the
head sluice. There are scouring sluices
in the Arrent which do help in washing
down the silt but do not do so to the
required extent. The Chief Engineer for
irrigation has therefore ordered in his
Inspection Notes of April 1895 the prepa-
ration of an estimate for a scouring
sluice in the right bank of the Supply
Channel at a suitable point a short
distance below the head sluice. This
estimate is accordingly prepared. The
Sluice is designed as per detailed
instructions given by him in the notes
and he provided with the screw gearing

Shutters now fitted in the 2^d Regulator
across the Channel which is considered
as of little or no use as ordered therein. Owing
to existence of rock in the direct line
from the sluice to the river the Channel
from the former to the latter could not be
cut straight & is therefore proposed to be
taken in a curve.

Joseph Paul Daniel
9-12-95
Executive Engineer

Op
9/12

End
9-12-95



Dw 58
920/96

No. 294
9

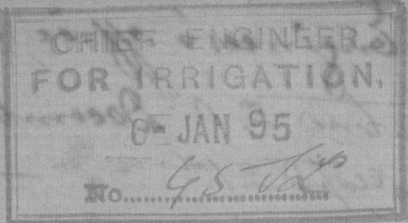
Supg. Engineer's office, 4 Circle,
Cimukutone 20th December 1895.
Recd to 21st - 10 -

Plans and estimates amounting to
Rs 2180 for constructing a scouring sluice
in the right bank of Baruv Tank supply
channel and the excavation of a channel there
from to the river.

Enclosures 7.
2 Estimates
1 Report
3 Plans
1 Data Sheet
7

Forwarded to the Chief Engineer for Irrigation
for sanction if he thinks the work desirable.
The undersigned considers it unnecessary
and onerous waste of money, as there is no water
available for scouring purposes. Much money
has been wasted in this manner in construct-
ing scouring sluices in the Palar and other
ancients in the North West District. They
are so poorly worked that the benefit
derivable is practically nil.

W. H. M. M.
Supg. Engineer, 4 Circle.



The Chief Engineer
for Irrigation
Madras

Dated 20th
Sept to 21st } December
1895

No 294

Encl. 7

Couring Successright
Bank, Bama Tank supply
Channel. Submits with
remarks/plans and estimates
amounting to Rs. 2180 for
constructing.