

Public Works (1898) Department.

G.O., No. 270 [✓] 3

DATED 31 March 98

[Despatch Abstract.]

Purushottapur channel, Ganjam Division. Estimate of Rs. 3080 for constructing a scouring sluice in the left bank of — at the first mile below the head sluice, sanctioned with remark.

Estimate of Rs. 3,080 for constructing a scouring sluice in the left bank of — at the first mile below the head sluice, sanctioned with remark.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.
Account.

READ—the following papers:—

From W. C. DEMORGAN, Esq., M.I.C.E., Superintending Engineer, I Circle,
to the Chief Engineer for Irrigation, dated Cocanada, 2nd March 1898.
No. 1035 G.N.

I have the honour to submit herewith a plan and an estimate amounting to Rs. 2,500 for constructing a scouring sluice in the left bank of Purushottapur channel at the first mile below the head sluice and to request that sanction of Government may be obtained to the same.

2. The necessity for the work is fully explained in the report which accompanies the letter.

3. The work is connected with the Ganjám minor rivers system.

ENCLOSURE

REPORT to accompany estimate for constructing scouring sluice in the left bank of Purushottapur channel at first mile below head sluice.

Amount of estimate	...	...	...	...	...	...	RS.
Rs. 2,500							

The Purushottapur channel irrigates 3,286 acres. It has a head sluice (4 vents of 4') but no scouring sluice. Every year the first few miles of the channel are silted up, and money has to be expended on clearance. Last year Rs. 800 were expended on clearance, and about the same amount will have to be spent before the next irrigation season. This explains the necessity for the design and estimate now submitted. The lascars at the head sluice can work the scouring

A surplus channel about 2,000 feet long must be dug from the proposed scouring sluice to the Vamsadhara river. Levels have been taken and after consideration, the estimate will be submitted.

No. 108 I.

Note by the Chief Engineer for Irrigation.

The accompanying estimate amounting to Rs. 2,500, submitted by the Executive Engineer in charge, I Circle, provides for constructing a scouring sluice in the left bank of Purushottapur channel at the first mile below the head sluice, Ganjam minor rivers system.

2. A detailed plan of the shutters and gearing should have accompanied the estimate. As far as can be judged from the general plan, the shutters are defective in design. Angle irons should be provided for them to slide on and the ends should be bound with $2'' \times \frac{1}{4}''$ straps. The diameter of the screw is not entered. It should

be $2\frac{1}{2}$ " (external) with 1" pitch. The handles for actuating the gearing are too small. They should be 2 feet in height and so formed that the centre of the horizontal part will be $1\frac{1}{2}$ feet from the centre of the screw. The Superintending Engineer should have a detailed plan made out for his approval.

2. The estimate may be sanctioned, subject to the above modifications in the design.

(Signed) W. HUGHES,
Chief Engineer for Irrigation

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

24th March 1898.

ORDER—No. 278 I., dated 31st March 1898.

The following estimate is sanctioned :—

43. Minor Works and Navigation.
Minor Works for which Capital and Revenue Accounts are kept.
Ganjām Minor Rivers System.
Open Capital Account.

2. Main Canals and Branches.
8. Escapes.

8. Escapes.
Constructing a scouring sluice in the left bank of Purushottapur channel at the first mile below the head sluice, Ganjam division.

	RS.
Estimate—	2,500
I. Works	575
II. Establishment	5
III. Tools and plant	
Total, Estimate	3,080

2. This sanction is registered as No. 199 I. of 1897-98 and will expire on the 31st March 1899.

31st March 1899.

3. The attention of the Executive Engineer in charge, I Circle, is drawn to the remarks in paragraph 2 of the foregoing note of the Chief Engineer for Irrigation.

(True Extract.)

(True Extract.)

Under Secretary to Government,
Irrigation Branch.

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

Exd. A. F. Eccleston.

Public Works (1898) Department.

CURRENT No. 2871

From the Chief-Eng for
Surg

Order

No. 1089

Dated 24-3-98

Received

Registered 29-3-98

Enclosures 6 (plans)

Spare copies

SUBJECT.

Constructing a scouring
sluice in the left bank of
Purshothapur Channel
at the 1st mile below the head sluice
— Ganga minor rivers system
— Estd of Rs 3080 for — work re-
— mending that the — may be
sanctioned. Subject to the
modifications suggested in the design.

PUBLIC WORKS DEPARTMENT,
IRRIGATION BRANCH.

UNDER date the

READ the following

on the Executive Engineer in charge First Circle. (H.E. No. 1035 of 2-3-80)
No. 108 of 24-3-80

Approved by the Chief Engineer for Longdon.

The accompanying estimate amounting to Rs. 2500, submitted by the Executive Engineer in charge, First Circle, provides for constructing a scowling sluice in the left bank of Purnashotta-pur Channel at the first mile below the head sluice, Jangam Minia river system.

2. A detailed plan of the shutters and gearing should have accompanied the estimate. As far as can be judged from the general plan, the shutters are defective in design.

Angle iron should be provided for them to slide on and the ends should be bound with $2" \times \frac{1}{4}"$ plates.

The diameter of the screw is not given.
-ed. It should be $2\frac{1}{2}$ " (external), with
1" pitch. The handles for actuating
the pairing are ^{too small} ~~useless~~. They should
be 2 ft. in height and so formed

Isane
W.H.
1

100
28/1/55

that the centre of the horizontal part will be $1\frac{1}{2}$ ft. from the centre of the screw. The Supy. Engineer should have a detailed plan made out for his approval.

2. The estimate may be sanctioned, subject to the above modifications in the design.

HL N. 278 of 31.3.98
23/3
18 Order thereon.

The following estimate is sanctioned:-
-ed:- Irrigation.

43 Minor Works & Maintenance.
Minor Works for which Capital and Revenue Accounts are kept.
Gangai Minor works system.
Open Capital Account.

I. Works.
2. Main Canals & branches.
8. Escapes.

Constructing a scouring sluice in the left bank of Purnohottapur Channel at the first mile below the head sluice, - Gangai division.

Estimate-
Rs
I. Works. ————— 2500.
II. Establishment ————— 570
III. Tools and plant. ————— 5
Total Estimate, 3080.

2. This sanction is registered as N. 199 J. of 1897-98 and will expire on the 31st

31 March 1899.

UP

25398

3. The attention of the Secy. Engr. in charge, Dist Circle, is drawn to the remarks in para 2 of the foregoing note of the Chief Engineer for Irrigation.

HL 23/3
18
14.3.98

7. E. S. 30.3.98

To The Chief Engineer for Irrig.
" Supy. Engineer, Dist Circle with 4 enclos.
" Examines P.W. Accts.

16/4/98

HL 25/3/98

C.E.P.
11-3-98

Public Works (1898) Department.

CURRENT No. 29 *gn*

2789

From W. De Morgan Esquire
Executive Engineer in charge
I.C.E.

Order

No. 1035 *GN*

Dated 2nd March 1898

Received 10 — Do —

Registered

Enclosures 4^x (1 plan)

Spare copies

SUBJECT.

Constructing a scouring sluice
in the left bank of Purnashotta
Channel at the first mile below the
new sluice — Submitting for sanction
of Government an estimate
amounting to Rs 2,500/- for —

To C.E.P. to check the
estimate

recd
10/3/98

July 11/3

11-3-98

FURTHER PAPERS.

Scouring sluice in the Left Bank of Pineshotta-
-purchanneb at 1.3 Mile below Head Sluice -
Report to accompany Estimate for Constructing

Amount of Estimate Rs 2500.

The Punphottapur Channel irrigates 3286 acres. It has a head sluice (4 vents of 4') but no scouring sluice. Every year the first few miles of the Channel are silted up, and money has to be expended on clearance. Last year Rs 800 were expended on clearance. And about the same amount ^{will} have to be spent before the next irrigation season. This explains the necessity for the design & estimate now submitted. The dascars at the head sluice can work the scouring sluices.

A Surplus Channel about 2000' long must be dug from the proposed Scouring Sluice to the Vamsadhara River. Levels have ~~to~~ been taken and after consideration, the Estimate will be submitted.

Wdchorzas $\frac{2}{3}$.

Supdy Engineer T. C. C.

No. 1035 GN

D. P. W.

Superintending Engineer's Office 1st. Circle.
Station

Camp Cocanada

Dated
Despatched
Received

2nd
6th

March 1898.

W Chetmagan Esq. M. T. Esq.
Suptg Engr & Asst

To

Chief
The Executive Engineer, for Durgam
Division
Madrass

Reference

No.

dated

189

Sir,

I have the honour to submit herewith a plan and an Estimate amounting to Rs 2500 for constructing a seaming sluice in the left bank of Purushottapur Channel at the first mile below the Head sluice and to request that sanction of Government may be obtained to the same.

2. The necessity for the work is fully explained in the report which accompanies the letter.
3. The work is connected with the Ganjam minor rivers system.

I have the honour to be,
Sir

Yours obediently

W Chetmagan

Suptg Engr & Asst

CHIEF ENGINEER
FOR IRRIGATION.
10 MAR 1898
No. 29 GN

29/3/98

CHIEF ENGINEER
FOR IRRIGATION.
10 MAR. 1898
No. 1994

05/1/50
2071/50