

Public Works (1896) Department.

G.O., No. 1520.

DATED 11/2/96.

[Despatch Abstract.]

Head Lock at Dunaquaden
Estimate for renewing the upper
locks of the Godwin Eastern
River, Saskatchewan.

IRRIGATION.
ACCOUNT.

Govt. of {1896} Madras.
PUBLIC WORKS.

Dated February, 11th.

Recd.

Encl.

G.O. No. 152 I., 11th Feb. 1896.

FEBRUARY.

Head Lock at Dumagudiem

Estimate of Rs. 7,500 for renewing the upper gates of the —, Gódávári Eastern division, sanctioned.

PUBLIC WORKS DEPARTMENT.

READ—the following paper:—

Making upper gates for Dumagudiem	RS.
head lock	7,500

2. I have informed the Executive Engineer that I approve his proposal to reduce the height of the gates and have ordered him to start work as soon as possible. Otherwise we shall have great difficulty in getting the gates up to Dumagudiem.

REPORT to accompany estimate for making upper gates for Dumagudiem head lock.

The estimate provides for renewing the upper gates of head lock at Dumagudiem which have been in use for nearly 30 years and are much decayed.

The existing gates are the full height of the masonry work (+196.0). The maximum recorded flood (that of October 1891) attained a level of +192.2 and it is proposed to make the top of the planking of gates 0.3 higher than the flood level or +192.5. It is necessary, however, that the heel posts should be carried up to the full height, as otherwise extensive alterations would be required in the masonry work which would entail the entire removal and refixing of the iron road bridge. To provide access to the foot boards of the gates, it is necessary to dismantle a part of the masonry as shown on tracing and to form steps.

The existing gearing for opening and closing the gates will be used, as also the iron screw rods for shutters which are in good condition.

New pintles and heel plates will be provided.

A table printed on the sheet of drawings shows the heads of water against the gates at various flood levels. The old gates are of very massive design and evidently intended to suit the proposed canal to Bhadrachalam from which river flood water would have been excluded. This project has now been abandoned, and as river water backs up the existing short canal, there is never more than a head of 9 feet of water against the gates at any state of river floods, and in very high floods this is reduced to a little over 5 feet.

(Signed) J. USSHER,
Ex. Engr., Gódávari Eastern Dn.

ORDER—No. 152 I., dated 11th February 1896.

The following estimate is sanctioned:—

Irrigation.	
43. Minor Works and Navigation.	
Minor Works for which neither Capital nor Revenue Accounts are kept, P.W.D.	
Godavari Eastern Division.	
Repairs.	
Renewing the upper gates of the head lock at Dumagudiem.	
Estimate	RS. 7,500

2.. This sanction is registered as No. 195 I. of 1895-96.

(True Extract.)

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

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

Exd. T. K. Narayana Aiyangar.
 Spare Copies

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Under date the 4th Dec

Read the following

From Supp Eng, 1st Dec, No. 2242 G.D. & 20 Dec/95

The following estimate is sanctioned:—

Irrigation.

*43. Minor Works Navigation
 Minor works for which
 neither Capital nor
 Rev. Accts are kept,
 P.W.D.*

*Godavari Eastern Div
 Repairs.*

*Renewing the upper
 gates of the head
 lock at Dumagudiem*

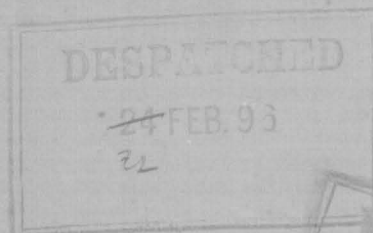
Estimate Rs 7500

*2. This sanction
 is registered as No.
 195 I. of 1895-96.*

*10/11
 3/11*

3/11

3/11



Wg

Estimate for renewing
Upper gates of head
lock at Dumagudiam

Report to accompany Estimate for
Making Upper gates for Dumagudiam
Head Lock. Estimate Rs 7500- 250

The Estimate provides for renewing
the Upper gates of Head Lock at Duma-
gudiam which have been in use for
nearly 30 years and are much decayed.

The existing gates are the full height
of the masonry work (+196.0). The maximum
recorded flood (that of October 1891) attained
a level of +192.2 and it is proposed to
make the top of the planking of gates
0.3 higher than the flood level or +192.5.
It is necessary, however, that the keel posts
should be carried up to the full height
as otherwise extensive alterations would
be required in the masonry work which
would entail the entire removal and
refixing of the iron road bridge. To
provide access to the foot boards of the
gates it is necessary to dismantle a
part of the masonry as shown on tracing
and to form steps.

7.5.91

Issue

Wg

Print

11/11
Agd 11

"g"

1/2

13th
8.2.96

Please see plan

4.8.

Stamp

It is proposed to form the heel and Mitre posts of specially selected Burmah Teak of the quality known as "Europe" for which a high rate is demanded.

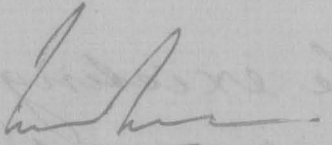
The existing gearing for opening and closing the gates will be used as also the iron screw rods for shutters which are in good condition.

New pintles and heel plates will be provided.

The frame work of the gates will be lifted into position before the planting is nailed on.

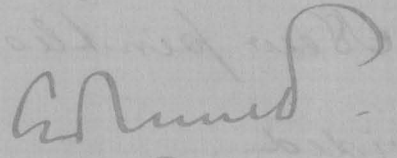
A table printed on the sheet^d drawings shows the heads of water against the gates at various flood levels. The old gates are of very massive design and evidently intended to suit the proposed canal to Bhadrachellam from which river flood water would have been excluded. This project has now been abandoned, and as river water backs up the existing short Canal there is never more than a head of

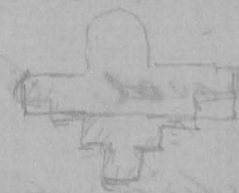
9 ft of water against the gates at any state of river floods and in very high floods this is reduced to a little over 5 ft.


Executive Engineer
Godavari Eastern Division

Q
17/2

17/12


Asst Engineer & Secy.
Date 20 Dec 1895





R 380
4

Dec 5. 3
1132/96

No. 2242 G.D.

FROM

A. K. Chandel Esq.
SUPERINTENDING ENGINEER

Pien

FIRST CIRCLE,

TO

THE CHIEF ENGINEER

FOR IRRIGATION.

DOWLAISHWERAM, 20. 12 1896.

Enclosures. 4

2 plans
1 estimate
1 Report

SIR,

Making water
falls for Duma.
-judium Head
Lock Rs 7500

I have the honour to forward
for your sanction the estimate noted
in the margin

2 I have informed the Engineer
that I approve his proposal to reduce
the height of the gates and have ordered
him to start work as soon as possible
Otherwise we shall have great diffi-
-culty in getting the gates up to
Dumajudium

I have the honour to be

Sd

Your obedient servant

(Sd) A. K. Chandel

Supg Engr 1st Circle

Engineer

In Supg Engr 1st Circle

A. K. Chandel

21/12

P. W. CURRENT No. 1132

S. E. I. 500-31-7-04

FROM

A. H. Garrett Esq.
SUPERINTENDING ENGINEER

FIRST CIRCLE,

TO

CHIEF L.
FOR IRRIGATION THE CHIEF ENGINEER

7-JAN 95

No

380

FOR IRRIGATION.

DATED

20th

DESPATCHED

1st December 1895.

RECEIVED

No. 2242 G.D.

ENCLOSURES, 4.

SUBJECT.

Dumwaguan Head Lock
Making upper gates for the
Forwards an Estimate of Rs. 7500
for — for sanction.

Encls 5 (2 to be)
Dec: 5-2-96

No. 6273 of 9-8-95. ✓
" 7463. 12-9-95 ✓
" 8942. 30-10-95 ✓