7054

Public Works (1898) Department.

Ngeuh

G.O., No. 165-69

DATED 3rd Sept 1898

25/8/98

[Despatch Abstract.]

Kistna Delta System: Estimate of Rs 1970 for Converting the Kesarapalli old deviced lock into an Escape at 10 M 7 fur, Ellore Canal, (~~Kistna Delta System~~) Sanctioned and a Copy of the Proc: Ordered to be forwarded to the Govt of India.

Kistna Delta System: Forwarding Copy of Proc: Sanctioning an Estimate of Rs 1970 for Converting the Kesarapalli old deviced lock into an Escape at 10 M 7 fur, Ellore Canal,

(F.R.)

31/8/98

[P. W. 36. 1,000-12-2-98.]

Indexed.

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 {1898} of Madras.

PUBLIC WORKS.

Recd. } 1898. *Enclosures*
Regd. *Spare copies*

G.O., Nos. 665, 666 I., 3rd September 1898.

SEPTEMBER.

Kistna Delta System

Forwarding copy of proceedings sanctioning an estimate of Rs. 1,970 for converting the Kesarapalli old disused lock into an escape at 10 miles 7 furlongs, Ellore canal, —.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.
Account.

READ—the following papers:—

From J. HANNAN, Esq., Superintending Engineer, II Circle, to the Chief Engineer for Irrigation, dated Bezwada, 29th April 1898, No. 1304 K.E.

I have the honour to forward herewith, for your approval and sanction of Government, estimate amounting to Rs. 1,600, for converting Kesarapalli old disused lock into an escape.

2. The amount of the estimate may be met from the balance of the provision as per item No. 710 of the statement printed with G.O., No. 857 I., dated 11th October 1893.

3. As the work is urgent and should be completed before the re-opening of the canals, I propose to include this estimate in the schedule of works of the Kistna delta system under works not commenced before the 31st March 1898.

4. The necessity for the work has been explained by the Executive Engineer in the report accompanying.

ENCLOSURE.

REPORT to accompany the plan and estimate for converting the old disused lock into an escape at 10 miles 7 furlongs of Ellore Canal.

	Rs.
Estimate	1,600

The proposal to convert the old Kesarapalli lock into an escape was made in the report on the floods of 1895.

The lock as such has been abandoned and is used as a surplus escape. Two piers having been built on the upper sill, the three bays are now closed by drop planks which are very difficult to handle especially during a sudden flood. Two bays closed with screw shutters are therefore proposed.

The work required is the building of a central pier on the upper sill of the old lock.

The construction of an abutment on each side for carrying the ends of the beams and a slight raising of the approach as per plan, besides the overbridge and gearing.

The discharge will be 1,253 cubic feet per second, which will be a considerable relief to the canal at times of high floods.

The surplus will discharge into the drain connecting the Kesarapalli aqueduct with the Budameru.

(Signed) J. S. WILSON,
Ex. Engineer, Kistna Eastern Divn.

12th April 1898.

No. 218 I.

Note by the Chief Engineer for Irrigation.

The accompanying estimate, amounting to Rs. 1,600, submitted by the Superintending Engineer, II Circle, provides for the conversion of the Kesarapalli old disused lock into an escape at 10 miles 7 furlongs, Ellore canal, Kistna delta system. The estimate may be sanctioned.

(Signed) J. C. LARMINIE,
Ag. Chief Engineer for Irrigation.

6th May 1898.

ORDER—No. 665 I., dated 3rd September 1898.

The following estimate is sanctioned:—

Capital Expenditure not charged to Revenue.
49. Irrigation.
Kistna Delta System.
Open Capital Account.
Kistna Eastern Division.
I. Works.
Ellore Canal.
4. Drainage and Protective Works.
3. Works.
Unremunerative Work.
Converting Kesarapalli old disused lock into an escape at 10 miles 7 furlongs.

Estimate—	Rs.
I. Works	1,600
II. Establishment	368
III. Tools and plant	2
Total Estimate ...	1,970

2. This sanction is registered as No. 67 I. of 1898–99, and will expire on the 31st March 1899.

3. The construction estimate of the Kistna delta system having been closed on the 31st March 1898, the proposals of the Superintending Engineer in paragraphs 2 and 3 of the foregoing letter are inadmissible.

4. Ordered that a copy of these proceedings be forwarded to the Government of India for information.

[Here enter No. 666 I., dated 3rd September 1898.]

(True Extract.)

(Signed) J. C. LARMINIE,
Ag. Joint Secy. to Government,
Irrigation Branch.

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

ENDORSEMENT—No. 666 I., dated 3rd September 1898.

Forwarded.

(By order.)

(Signed) J. C. LARMINIE,
Ag. Joint Secy. to Government,
Irrigation Branch.

Exd. T. K. Narayana Aiyangar.

Public Works (1898) Department.

Urgent

CURRENT No. 7054

Order

From The Chief Engineer for Irrigation

No. 218 I.

Dated 6. 5—98.

Received
Registered } 24-8-98

Enclosures 6 (Plans)

Spare copies

SUBJECT.

Note recommending for sanction the Estimate of Rs. 1600 for the Conversion of the Kasaraballi Old desilted Lock into an Escape.

BACK PAPERS.

No.	Date.

FURTHER PAPERS.

No.	Date.

His Excellency the Governor

N104 KS/38

£1

The shutters are provided 3" thick apparently ~~6 ft~~ bents 6'/2ft wide with nearly 10ft between F.S.L and sill having Nicholson's K=19 in his formula (p 136 Public Works) I make discharge at bottom 3.8 in: or taking mean depth of 5 ins 1000 lbs 4.3 in.

HB
6/5

I. Works.
Ellore Canal.
4. Drainage and protective
3 Works

BACK PAPERS.

No.	Date.



$$M = \frac{w \times 6.5}{8} = \frac{62.5 \times 9.5 \times 6.5^2}{8}$$

$$h = \left(\frac{\cdot 006 \times 62.5 \times 9.5 \times 6.5^2 \times 12}{8 \times 12} \right)^{\frac{1}{2}}$$

$\bar{2}.7781$
1.7958 81
0.9777
0.8129
0.8129

2.1774
0.9030

$\sqrt{1.2744}$ $= 4.3$

0.6372

(4) $L = 78$

$w = \frac{62.5 \times 9.5 \times 6.5 \times 144}{112 \times 2}$

$h = \left(\frac{78 \times 62.5 \times 9.5 \times 6.5 \times 10}{8 \times 19 \times 12 \times 112} \right)^{\frac{1}{2}}$

1.8920 1.9822
1.7958 1.2787
0.9777
0.8129

6.4784
3.2609

~~$2.3\ 0\ 1\ 7\ 5$~~

2.0592

$\sqrt{1.1683}$ $= 3.8$

$.5841$

I. Works.
Ellore Canal.
Drainage and protective Works.
3 Works

BACK PAPERS.

No.	Date.

His Excellency the Governor

PUBLIC WORKS DEPARTMENT,

IRRIGATION BRANCH.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Estimate for excavating old Kesaraputti disused Lock into an Escape

UNDER date the

READ the following

from the Supdg. Engineer, Second Circle. / H.E. No. 1304-K.E. dated 29.4.98.
No. 2182 dy 6.5.98

Note by the Chief Engineer for Irrigation.

The accompanying estimate amounting to Rs. 1600 submitted by the Superg. Engineer, Second Circle, provides for the conversion of the Kesaraputti old disused lock into an escape at 10 m. 7 fur., Ellore Canal, Kistna delta system. The estimate may be sanctioned.

No. 665 dy. 23 Sept. 98

Order thereon.

The following estimate is sanctioned:-

Capital Expenditure not charged to Revenue.

49, Irrigation.

Kistna delta system.

Open Capital Account.

Kistna Eastern division.

I - Works.

Ellore Canal.

4, Drainage and protective Works.

Unremunerative Works

Converting Kesarapalli old disused lock into an escape at 10 m. 7 prs.

Estimate –

		Rs.
I.	Works.	1600.
II.	Establishment.	368
III.	Tools and plant.	2
	Total Estimate	1970.

2. This sanction is registered as No. 67. I. of 1898-99, and will expire on the 31 March 1899.

3. The construction estimate of the Kistna Delta system having been closed on the 31st March 98, the proposals of the Supdg Engr in paras 2 & 3 of the forgoing letter are inadmissible.

4. Ordered that a copy of these Proceedings be forwarded to the Govt of India for information.

No 661 Dt 3 Sep 98

Endorsement.

Forwarded.

6.5.98

7.E.I.
25.8.98.

To The Chief Engineer for Irrigation.
" Supdg Engineer Second Circle with 4 enclos
" Examiner P.W. Accts.

E. f. Form No. 1—500—1-11-97

C.E.I.
2-5-98

Public Works (1898) Department.

CURRENT No. 104. K.S.

Order

From

The Supdg Engineer
2nd Circle

No. 1304 K.60

Dated 29.4.98
Received 2nd May 1898
Enclosures 4
Spare copies

SUBJECT.

Estimate for converting Kesarapally old disused lock into an escape – Forwards for approval and sanction by Govt

To C.E.I. the estimate

7.E.I.
This estimate has been examined.
4-5-98.

BACK PAPERS.

G.O.	No.	Department.	Date.

FURTHER PAPERS.

G.O.	No.	Department.	Date.

2nd

Report to accompany the plan and estimate for converting the old disused Lock into an escape at 10 miles 7 furlongs of Vellore Canal

Estimate Rupees 1600

The proposal to convert the old Kasarapully Lock into an escape was made in the report on the floods of 1895.

The lock as such has been abandoned and is used as a surplus escape. Two piers having been built on the upper sill the 3 bays are now closed by drop planks which are very difficult to handle especially during a sudden flood. Two bays closed with screw shutters are thus far proposed -

The work required is the building of a Central pier on the upper sill of the old Lock

The Construction of an abutment

on

on each side for carrying the ends of the beams and a slight raising of the approach as per plan besides the over bridge and gearing.

The discharge will be 1253 cft. per second which will be a considerable relief to the Canal at times of high floods.

The surplus will discharge into the drain connecting the Kasarapalli Aqueduct with the Budameru.

SUPDG. ENGINEER'S OFFICE 3/1/20 18 MAR 93 R.W.D. SECOND CIRCLE.

CHIEF ENGINEER FOR IRRIGATION. 2-MAY 1898 104 W/S

W.M. Nelson 12/4 Executive Engineer Kistna Eastern Div

Office of the Superintending Engineer 2nd circle.

No. 1304 K. Ex. Dated Bezwada 29 "April 98

From J. Hannan Esquire Superintending Engineer 2nd Circle.

To The Chief Engineer For Irrigation.

Sir,

Enclosures: 4. viz:-
1 Report
1 Data
1 D+A Estimate
1 plan

I have the honor to forward herewith for your approval and sanction of Government estimate amounting to Rs. 1600 for Converting Kasarapalli old disused lock into an escape.

2. The amount of the estimate may be met from the balance of the provision as per item No. 710 of the statement printed with G.O. No. 857 dd. 11th October 93.

3. As the work is urgent and should be completed before the re-opening of the Canals, I propose to include this estimate on the schedule of Works of the Kistna delta system under works not commenced before

Nos. the Construction Estimate of the Kistna delta System having been closed, this cannot be done- D 710/H.

This cannot be done- Estimate should therefore be temporarily entered under Open Unclassified Estimates

G.O.S. 2 20/5/98

before the 31st March 1898.

4. The necessity for the Work has been explained by the Executive Engineer in the report accompanying.

I have the honor to be
Sir,
Your most obedient Servant.

J. Hannon
Superintending Engineer
2nd Circle.

CHIEF ENGINEER
FOR IRRIGATION.
25 MAY 1898
No 1074 KS

Dost
Tooth