Archives I—10,006—16-8 77.

(1) Number of pages 20

(2) Date of repair 5.2.87

(3) Initials of the Referencer [illegible]

TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

Public Works DEPARTMENT

G.O. No. / B.P. No.	2453. W	Press. / Mis.
Dated	5. X. 1881	197.

Not to be folded or roughly handled

2453-W
1

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

5th October 1881, No. 2453 W.

Buildings and Roads.
Civil Works.

Read the following paper :—

No. 25. Endorsement of the Chief Engineer for Irrigation, dated Ootacamund, 10th September 1881, No. 32 E.W.

From G. T. WALCH, Esq., Superintendent of Works, Godávari, to the Chief Engineer for Irrigation, dated Dowlaishweram, 28th August 1881, No. 1,364.

In accordance with paragraph 1,135 of the Public Works Code, I have the honor to submit, for your consideration, important structural alterations which I recommend should be made in the masonry work (no alteration is proposed in the *iron* work) of the bridge over the Kovúr-Munjair Junction Canal under the Kotipalle road; one of the works sanctioned in G.O., No. 2,776, 17th October 1876, on your recommendation.

2. The alterations are chiefly—
(1) Improvement in the forms of the wings.
(2) Do. in the form of the tow-paths.
(3) The reduction of the depth of foundations from 6 feet 6 inches below canal bed to 3 feet below the bed.

3. The original and revised plans herewith show clearly the details of the proposed alterations, and I think it is only the reduction of the depth of foundations which requires remark. With reference to *that*—
(*a*) The canal is a still-water one and therefore there will be no current through the bridge.
(*b*) Trial pits have shewn that the character of the soil is no better for foundations below the level now proposed than at that level; it is nearly pure sand.

4. The estimated cost of the revised design for masonry alone (Rs. 3,400) is Rs. 1,640 less than the original sanctioned estimate (Rs. 5,040) for that portion of the work.

Forwarded to the Chief Engineer, Roads and Buildings Branch, for disposal of the part of the reference relating to the structural design of the bridge.

2. The only two points with which the undersigned is concerned are—

1*st*, the tow-path arrangements,
2*nd*, the head-way.

Plan, dated 18th August 1876.
" " 23rd November 1880.
1 Detailed Estimate.
1 Abstract "

With regard to the first no alteration of masonry will be needed, and the small modification of the earthwork arrangements necessary to convenience has been indicated in pencil on the plan, and the attention of the Superintendent of Works drawn thereto.

The head-way has been reduced from 13 to 12 feet and the latter will suffice, but the Superintendent of Works has been informed that no further reduction should be made.

(Signed) JOHN MULLINS, Colonel, R.E.,
Chief Engineer for Irrigation.

No. 26. ORDER THEREON, 5th October 1881, No. 2453 W.

THE revised estimate, amounting to Rs. 3,400, for alterations in the masonry work of the bridge over the Kovúr-Munjair Junction Canal under the Kotipalle road, is sanctioned.

2. This work is a portion of the project referred to in G.O., No. 2776, dated 17th October 1876, and the revised estimate now submitted is less by Rs. 1,640 than the original one for Rs. 5,040 for the same portion, sanctioned in the above Government Order. The alterations are chiefly :—

(1.) Improvements in the form of the wings.
(2.) Do. of the tow-paths.
(3.) A reduction in the depth of foundation from 6 feet 6 inches to 3 feet below canal bed.

3. The arrangements relating to the tow-paths and the head-way have been disposed of by the Chief Engineer for Irrigation.

4. This sanction has been registered as Incorporated Local (Canal and Ferry Fund) No. 29 W. of 1881-82, and classified as Communications, Original Works.

(True Extract.)

Major, R.E.,
Under Secy. to Govt., P.W.D.

To the Superintendent of Works, Godávari, with three enclosures.
" Chief Engineer for Irrigation.
" Examiner of Public Works Accounts, with duplicate Abstract Estimate.
" Revenue Department.
" Financial "

Exd. S. T. Austin.
Spare Copies

2453-W
2

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of (1881) Madras.

PUBLIC WORKS.

To

THE SUPERINTENDENT OF WORKS,
GODAVARI.

&c., &c., &c.

Dated October, 5th.

Issued

Recd. *Encl.*

G.O., 5th October 1881, *No.* 2453 W.

OCTOBER.
Nos. 25-26.

Bridge over the Kovár-Munjair Junction Canal under the Kotipalle Road.—Sanctions revised estimate for alterations in the masonry work of the —

No. 1364

FROM

THE SUPERINTENDENT OF WORKS

GODAVARI DISTRICT.

TO

THE CHIEF ENGINEER

FOR IRRIGATION

Enclos. 4

Dowlaishweram, 28th August 1881

Despd 31st do.

SIR,

In accordance with para 1136 of the P. W. Code, I have the honor to submit for your consideration important structural alterations which I recommend should be made in the masonry work (no alteration is proposed in the ison work) of the Bridge over the Kovár Manjair junction canal under the Kotipalli Road, one of the works sanctioned in G.O. No. 2776 - 17th October 1876 on your recommendation

2. The alterations are chiefly

(1) Improvement in the forms of the wings.

(2) Improvement in the form of the tow paths.

(3) The reduction of the depths of foundations

foundations from 6'.6" below canal bed to 3' below the bed.

3. The original and revised plans herewith show clearly the details of the proposed alterations and I think it is only the reduction of the depth of foundations which requires remark. With reference to that.

(a) The canal is a still-water one and therefore there will be no current through the bridge.

(b) Trial pits have shown that the character of the soil is no better for foundations below the level now proposed than at that level; it is nearly pure sand.

4. The estimated cost of the revised design for masonry alone (Rupees 3,400) is Rs 1640 less than the original sanctioned estimate (Rs 5,040) for that portion of the work.

I have the honor to be,

Sir,

Your most obedient Servant.

[signature]

Supt. of Works Godavari.

Compd. by
DW

P2

2453 W
4

From,

The Supdt. of Works
Godavari,

To,

The Chief Engineer
for Irrigation,

Dated 28th
Received } August/81.

No. 1364
Enclosures 4

Korur Munjair Junc:
:tion Canal. — Bridge
over the — under the
Kotipilli Road —
Forwards for consider:
:ation a structural
alterations in the con:
:struction of a —

CHIEF ENGINEER
6 SEP
1881
IRRIGATION

Letter No 1364 of the 28th August 1881 from the Superintendent of Works, Godavari.
— No 32. E.W.

2453-W

Enclosures 4,
Plan d/ 18 Aug 76
" " 23 Nov 80
1 Detailed Estimate
1 Abstract — do

Forwarded to the Chief Engineer, Roads and Buildings Branch, for disposal of the part of the reference relating to the structural design of the bridge.

2. The only two points with which the undersigned is concerned are
1st the tow path arrangements
2nd the head way.

With regard to the first no alteration of masonry will be needed, and the small modification of the earthwork arrangements necessary to convenience has been indicated in pencil on the plan and the attention of the Superintendent of Works drawn thereto.

The head way has been reduced from 13 to 12 feet and the latter will suffice, but the Superintendent of Works has been informed that no further reduction should be made.

Ootacamund
10th September 1881

[signature] Colonel R.E.
Chief Engineer for Irrig.

To
The Chief Engr., R&B. Branch.

P. W. C. No. 5346

[illegible]

[illegible]

O.L.S. 37.9.

Cnc 1.10.81. Rt. 3.10.81

10.29.9.81 M 3.10.81. [illegible]

P. W. Secretariat.

P. W. DEPARTMENT—1881-82.

~~MEMORANDUM.~~

2453.W
6

Current No. 5346.

Letter Number 32.

dated the 10th September 1881.

from the ~~Supg.~~ Chief Engineer for Irrigation.

Note of Remarks.

The Estimate with Plan for Alterations to be made in the Masonry Work of the Bridge over the Kovúrellun=jan junction Canal, under the Kotipalli road, Godavari Dist, amounting to Rs 3400 - or Rs 1640 less than the Original Sanctioned Estimate Rs 5040. Vide G.O. No 2776, dated 17th October 1876.

The Alterations are Chiefly.

1st Improvement in the forms of the Wings.

2nd do — do. of the two paths.

3rd The reduction of the depth of foundations from 6'.6" to 3ft below Canal bed.

The two path Arrangements & the head way, have been disposed of by the Chief Engr. for Irrigation.

The Rates Entered are Considered fair.

21st Septr/81.

[signature]

C. No. 5,346

P. W. Secretariat.

2453-W
71

Note by Budget Section.

Work

Alterations in the masonry work of the bridge over the Kovur Munjair Junction Canal, under the Kottipalli road.

Remarks and References.

Fund Incorporated Local (Canal and Ferry Fund)

Service Head Communications

Departmental Head Origl Works

Amount of estimate ... Rs 3,400

Expenditure in previous year ... not known

Allotment in current year ... 20,000 from Canal and Ferry fund, being contribution for the Kovur Munjair Junction Canal.

Balance required to complete ... "

Total Rs. 3400

Note of available funds.

The work for which a revised estimate has now been submitted forms portion of a project called the Junction Canal to unite the Coconada and Coringa Canals and the Pennagudurn Salt Pans with them by a lock into the Cholangy river and the improvement of the latter, sanc. in G.O. No 2776 of 17th Octr 1876.

Rs 20,000 are provided in the Canal and Ferry Fund Budget for 1881/82

B.P.
Budget Clerk.

27/9/81.

O.L.S. 37.9.
Conc: 1.10.81. R.C. 3.10.81
10.29.9.81 M. 3.10.81 R. 5.10.81

Note by Budget Section.

A/Circ

PG

B+R
d works

No. 2453 W PUBLIC WORKS DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the 5th Octr 1881.

Read the following:—

2453-W
8

From the Supt of Works Godavari — } No. 1364 d/28 Augst 1881.

Note by Chief Engineer for Irrigation — } " 32 E. W. d/10 Septr/81.

The revised estimate, amounting to Rs. 3,400, for alterations in the masonry work of the bridge over the Kovur Munjair junction Canal under the Kotipalli road, is sanctioned

2. This work is a portion of the project referred to in G.O. No. 2776 d/17 Octr 1876, and the revised estimate now submitted is less c

by

O.L.S. 37.9.
Circ. 1.10.81. Rt. 3.10.81.
4.29.9.81 M. 3.10.81. 4.5.10.81
4.29.9.81 M. 3.10.81. 4.5.10.81

by Rs. 1,640 than the original one for Rs. 5040 for the same portion, sanctioned in the above G. O. The alterations are chiefly.

(1) Improvements in the form of the wings

(2) Do. of the tow paths

(3) A reduction in the depth of foundation from 6' 6" to 3 feet below Canal bed.

3. The arrangements relating to the tow paths and the head way have been disposed of by the Chief Engineer for Irrigation

4. 2453-W 9 This sanction has been registered as Incorporated Local (Canal and Ferry Fund) No. 29 W of 1881-82., and classified as Communications, Original Works.

Cy

D 29/9

The Supt. of Works Godavari with 3 enclosures ✓

" Chief Engr. for Irrigation ✓

" Exr. P. W. Accts with duplicate & abst. estimate ✓

" Rev. Deptt. ✓

" Finl Deptt. ✓ Desd

30/9/81

R 10/81

2453-W
10

O.L.S. 37.9
Circ: 1.10.81. Rt. 3.10.81.
c. 29.9.81 M. 3.10.81.
c. 29.9.81 M. 3.10.81. [illegible]

5346

Govt. of {1881} Madras.

PUBLIC WORKS.

To

Dated

Issued

Recd. Encl.

G. O. 5 Oct 1881, No. 2453 W

Nos. 15 16.

Bridge over the Kovur Munjur Junction Canal under the Kotipalli Road — sanctions revised estimate for alterations in the masonry work of the —

Entd. in Receipt Regr