Public Works (189) Department.

G.O., No. 2754 W

DATED 18 Oct '99

[Despatch Abstract.]

Salt creek at Coringa in the Godavari Dt.

The revised estimate of Rs 66,600 for constructing an iron girder bridge over the ——, sanctioned

[P. W. 26. 350-15-9-99.]

T
B

BACK PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

FURTHER PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

BUILDINGS AND ROADS.
CIVIL WORKS.

Government {1899} of Madras.

PUBLIC WORKS.

Recd. } 1899. *Enclosures*

Regd. *Spare copies*

G.O., No. 2754 W., 18th October 1899.

OCTOBER.

Salt Creek at Coringa in the Godavari District

The revised estimate of Rs. 66,600 for constructing an iron girder bridge over the —, sanctioned.

No. 2754 W., 18th October 1899.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

Read—the following paper:—

From W. C. DeMORGAN, Esq., M.I.C.E., Superintending Engineer, I Circle, to the Chief Engineer, Public Works Department, dated Camp Narsapur, 21st September 1899, No. 1977 G.E.

I have the honour to submit a revised estimate, amounting to Rs. 66,600, for constructing an iron girder bridge over the salt creek at Coringa and to request that you will be good enough to obtain the sanction of Government to the same.

2. The excess of Rs. 6,100 over the original estimate of Rs. 60,500 sanctioned in G.O., No. 3395 W., dated 3rd December 1897, is due to increase of quantities, rates, &c., in various description of works for which full explanation has been given for each item in the comparative statement.

3. Copies of the District Board's Engineer's No. 148/D.B. of 1898, dated 13th May 1899, explaining the causes of excesses, and the District Board's resolution, dated 24th June 1899, approving the revised estimate, are enclosed.

Order—No. 2754 W., dated 18th October 1899.

The revised estimate, amounting to Rs. 66,600, for constructing an iron girder bridge over the salt creek at Coringa in the Gódávari district is sanctioned in supersession of the estimate of Rs. 60,500 sanctioned in G.O., No. 3395 W., dated 3rd December 1897.

2. This sanction has been registered as Local No. 15 W. of 1899–1900.

(True Extract.)

Under Secretary to Government.

To the Superintending Engineer, I Circle.
„ Local and Municipal Department, with eight enclosures.

Exd. A. Rungasawmy Aiyangar.

Public Works Department.

P. W. ...RTMENT.

Read the following:—

From the Suptg: Engineer, I G.Edg 21st Sept 99

H

Circulated to ~~His Excellency the Governor.~~

28

ORDER. No: 2754 W 18. 10. 99

The revised estimate amounting to Rs 66,600 for constructing an iron girder bridge over the salt creek at Coringa in the Godavari District is sanctioned in supersession of the estimate of Rs 60,500 sanctioned in G.O. No 3395 W dated 3rd December 1897.

2. This sanction has been registered as Local No 15 W of 1899-1900.

To The Local and Municipal Dept for favour of Counterinitials.

Flag R

To The S.E. I Circle
„ L & M Dept with 8 enclos.

Note The estimate is reviewed in

[P. W. 4. / 1,000—18-7-99.]

in the accompanying technical note

HCl
Maj

L Hill
W. 7.10 [illegible]

27544

Public Works Department.

Current No. 7980

Letter No. 1977 G.E.

Dated 21/25 9. 1899.

From the S.E. I Circle

NOTE BY TECHNICAL SECTION.

Name of work Constructing an Iron girder bridge over Salt Creek at Coringa.

Revised Est: Rs: 66600.

The S.E in the above quoted letter submits a revised Estimate for this Bridge received from the District Board, for the sanction of Govt:

2. The original Estimate amounting to Rs: 60500 was sanctioned in G.O No. 3395 W.G. 3-12-97 - the revised Estimate now submitted amounts to Rs 66600 or nearly 10 p.c in excess of the original sanction. The reasons for the excess are explained in D. Board Engr. No. 148 of 21-4-99 attached.

3. A comparative statement accompanies the revised Estimate and the excesses might be ponted under the following heads.

	Rs:
(a) Increase in rates	759
(b) Deviations in design	1451
(c) — do — do materials ..	246
(d) Insufficient provision ..	1992
(e) Unforeseen works	2500
Total ...	6948
Savings	- 848
Net Excess Rs	6100

4. (a) The excess under this head is due to the actual cost for the iron girder Bridge paid to Burn & Co:

P. W. 60.
250—18-7-99.

(b) The Excess in this case was due to the wells being sunk 34 feet deep instead of 15 feet as originally provided. These wells which are heavy had to be sunk until a bottom of hard clay was reached, until then, they showed signs of sinking.

(c) Roughstone in mortar was substituted for Pressed brick, which reduced the cost of construction notwithstanding that the quantity of work was greater than the original Estimate.

(d) In this case the original provision for such items as well curbs - petty supervision - Contingencies and bridge approaches, - was insufficient - hence excesses.

(e) The excesses under this head could not be foreseen - owing to heavy percolation the cost of Baling was increased from Rs 1000 to Rs: 1500 - and to prevent the sides of the Excavation from tumbling in while the wells were being sunk - strong shoring with piles to be had to be resorted to at a cost of Rs 2000.

Savings. under Sarkie pointing Rs 26.
under transhipment and erection charges of pidcaste — Rs 822 -
Total - Rs 848.

5. The Dist: Board's resolution of 24.6.99 approving of this revised Estimate is enclosed.

[signature] 7.10.11

[signature] A.E. 5.10.1899

Public Works (1899) Department.

CURRENT No. 7980

From Medufg. Engineer First Circle

Order

No. 1977 GE.

Dated 21/25.9.99

Received } 28-9-99
Registered }

Enclosures Plans - 1 } Total 8
Others - 7 }

Spare copies 1

SUBJECT.

Constg. an Iron girder bridge over the Salt creek at Coringa — submits a revised Estimate Rs 66,600 for - for sanction of Govt.

T/ for scrutiny [signature] 29/9/99

H.C.

OL 5572 R 16/10

BACK PAPERS.

No.	Date.
5584 C	18-12-97
3395 W	3-12-97
5107 C	29-11-97
3956 C	7-11-96

FURTHER PAPERS.

No.	Date.

C/5 200—15-6-1899.

No. 1977 GE

FROM

W. C. De Morgan Esqr M. I. C. E.
THE SUPERINTENDING ENGINEER
FIRST CIRCLE,

TO

THE CHIEF ENGINEER
PUBLIC WORKS DEPARTMENT
WALTAIR, 189 .

Enclosures. 8

Camp. Nara Sapur, Dated 21-9-'99.
25

SIR,

I have the honor to submit a revised estimate amounting to Rs 66,600 for constructing an iron girder bridge over the Salt creek at Coringa and to request that you will be good enough to obtain the Sanction of Government to the Same.

2. The Excess of Rs 6100 over the original estimate of Rs 60,500 Sanctioned in Go. No. 3395 W. of 3-12-'97 is due to increase of quantities, rates &c in various description of works for which full explanation has been given for each item in the comparative Statement.

3. Copies of the District Board's Engrs 148/D.B., of 98, dated 13th May 1899 explaining the causes of Excesses and the District Board's resolution of 24th June '99

approving the revised estimate are enclosed.

I have the honor to be
Sir.
Your most obt Servt
21.9
W Delmorgan
Superintending Engineer,
1 Circle.