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(3) Initials of the Referencer _____

MADRAS RECORD OFFICE.

Government of Madras.

Public Works DEPARTMENT.

G.O. No.	1508	Press
79-80		<u>Mis.</u>
Dated	3-6-	1865.

Not to be folded or roughly handled

70/

*Proceedings of the Madras Government, Public Works Department,
3rd June 1865.*

No. 79. Read the following letter from Captain G. M. PAYNE, Executive Engineer, in charge of Superintending Engineer's Office, 8th Division, to Colonel C. A. ORR, R. E., Secretary to Government, Department Public Works, dated Madura, 6th May 1865, No. 44 :—

SIR,

1. I have the honor to forward, for the sanction of Government, a revised estimate of Rupees 36,450 for constructing a bridge of seven segmental arches across the Shunmooganuddee river at Pulni, in the District of Madura.
1 Abstract revised Estimate.
1 Comparative Statement.

2. The original estimate of Rupees 30,169 was sanctioned in G. O. No. 3,578, of the 4th December 1863.

3. From the report of the Executive Officer, Mr. O'Ratigan, it appears that the additional amount of Rupees 6,281, now requiring sanction, is necessary for the following reasons :—

1st.—Rates for brick work allowed in the original estimate are now insufficient, owing to enhanced cost of fuel, chunam, &c., and cartage of the same.

2nd.—Rise in value of labor in the Pulni Taluq.

3rd.—Items for excavation of foundation and baling originally allowed are insufficient, owing to the occurrence of unseasonable freshes.

No. 80. ORDER THEREON, 3rd June 1865, No. 1,508.

CIVIL WORKS, No. 12.

1. In Extract Minutes Consultation, No. 305, dated 5th July 1855, an estimate amounting to Rupees 15,425 was sanctioned for the construction of a six arch bridge over the Shunmooganuddee on Trunk Road No. 2, in the Madura District, the work connected with which was commenced in the following official year. By the time, however, that a sum of Rupees 1,027 had been expended, the

progress of the work was stopped under the restrictive orders of 1856.* In

† Vide G. O. No. 1,252, dated 4th June 1862. June† 1862 authority was given for the bridge being again proceeded with,

but as it had been represented that the rates entered in the original estimate were not sufficient for its completion, owing to the delay which had taken place in its execution, the then District Engineer was instructed to submit a revised estimate. One, amounting to Rupees 30,169, was accordingly furnished by the Superintending

No. 3,578, dated 4th December 1863.

ing Engineer, 8th Division, to which sanction was given in the orders marginally noted.

2. With the letter recorded at the head of these Proceedings the Officer at present in temporary charge of the Division submits a third estimate for the con-

*Proceedings of the Madras Government, Public Works Department,
3rd June 1865.*

struction of the bridge, and reports that the excess of Rupees 6,281 over the amount† sanctioned in G. O. No. 3,578, dated 4th December 1863, is owing—

‡ Rupees 30,169.

1st.—To an increase in the cost of chunam, fuel, &c., and their cartage.

2nd.—To a general rise in the prices of labor.

3rd.—To the items included in the estimate of December 1863, for excavation of foundation and baling, being insufficient in consequence of unseasonable freshes.

3. On examination of the comparative Statement furnished by Captain Payne, the Government observe that the quantities remain the same as in the second* estimate, and that rates alone are higher. They accordingly sanction the estimate of Rupees 36,450, but they consider that Captain Moberly should have been more careful to provide in his first revised estimate for the contingency of the rise of prices, that had been for some time going on, continuing throughout the period of the construction of the work. A sum† of Rupees 11,545 has been provided in the Budget for expenditure on the work during the current official year.

* Sanctioned in December 1863.

† Item No. 130, Part II.

(True Extract.)

(Signed) CHARLES A. ORR, Colonel, R. E.,
Secretary to Government.

To the Superintending Engineer, 8th Division
,, Controller of Public Works Accounts.
,, Accountant General.

Exd. S. T. Augustin.

1:44. Sup^r Engineer's Office S^r D^r
Madura 6th May 1865
From

Captain G. M. Payne.

Ex Engⁿ in ch^g of Sup^r Engⁿ Office S^r D^r

Colonel C. A. Orr. R. E.

Sec^y to Government S^r D^r

Incl^d. 2.
Abstract, revised
Estimate.
Comparative
Statement.

I have the honor to forward for the sanction of Government a revised Estimate of Rupees 36,450 for constructing a Bridge of 7 segmental arches across the Thunmozganadi River at Palni in the District of Madura.

2. The Original Estimate of Rs 30,169 was sanctioned in G. O. No. 3,578 of the 4th December 1863.

3. From the report of the Executive Officer, Mr. O. Ratigan, it appears that the additional amount of Rs 6,281 now requiring sanction is necessary for the following reasons.

1st. Rates for brick work allowed in the Original Estimate, are now insufficient owing to enhanced cost of fuel, Chunam &c. and cartage of the same.

2nd. Rise in value of labor in the Palni Taluk.

I have 4/5

Thy. 49.

400000 1863 Nov. 25 78-

ofwards for Lancashire
received Estimate of Rev. W. A. S.
for constructing a Budget
of churches across the stream
morgana di River in the
District of Wiltshire.

Patel &
Desai
Care: 2-1

Wm. L. Garrison
The Sec'y to Com.
B. F. F.

The Dearest
 Charles & Mary Anne
 & the little ones

P. M. 1865
 No. of June 5, 1865
 June 1865

New Works.

Work. Constructing a Bridge of 7 Segmental arches across the
Shumogamuddy River at Pulw.

29 Range Office.
Buttala ponds }
15th March 1865. }

Capt. Wm. H. ...
 Executive Engs in charge of Sigs. Engrs Office S. S. ...
 Sigsbee Engrs Office S. S. ...

W. H. Atkinson. 68
Asst. Executive Engineer

J. W. 1624/85
 Jan 2^d June 18th 1899

Rs 26100

Abstract & Detailed
 Estimate for Constructing
 a Bridge of 7 segments
 across the River
 Shumroogannadee at
 Palku

Supplemental
to Rs 231868-1887

Madura District
2^d Division

Inclosed in a letter from the
 Secy. to the Govt. of Madras dated
 1st May 1885

10
 The items making up the ex-
 cess in the Estimate of Rupees 36,450
 recently submitted for the Bridge over
 the Shumroogannadee river in the
 Madura District are as follows.

Memorandum.

Description of Work?	Revised Estimate same as in Decr. 1883			Revised Estimate now submitted.			Increase	Total Increase in the Estimate
	Quantity	Rate	Amount	Quantity	Rate	Amount		
Spick in channel	3183	4 8	12732-1-5	3183	4 8	12732-9-8	1591-8-3	12 1/2
Arch work	767	4 8	3453-9-9	767	5 8	4221-1-3	767-7-6	22 2/3
Cut stone - do.	57 3/4	9	519-12--	57 3/4	12	693--	173-4--	33 1/3
Cornice - do.	534 3/8	2	66-12-9	534 3/8	4	133-9-6	66-12-9	100
Centerings	273 1/2	3	820--	273 1/2	3 8	956-10-8	136-10-8	16 2/3
Floorings	247	2 8	674-9-8	247	3 8	741-2--	123-8-4	40
Plastering	29210	2	584-2-2	29210	2 12	803-4-5	219-1-3	37 1/2
Recauvling foundations	7742	1 8	806-7-4	-	-	1200--	393-8-8	40
Wells	78	17	1326--	-	-	-	-	-
	56	18	1008--	134	25	3350--	106--	42
Drainage	-	-	500--	-	-	600--	100--	20
Baling	-	-	1000--	-	-	1800--	800--	80
Superintendence	-	-	390--	-	-	720--	330--	84
Lanterns	-	-	963-15-8	-	-	1804-4-3	840-4-7	87
Boxes for pen- siling	-	-	-	-	-	100--	100--	-

6.658-2--

Deduct saving effected on cost
 of work connected with levelling
 rock for foundation 377-2--

Net excess. 6281--

2. From this statement it
will be seen that in 2 items the price
in rates has been upwards of 10 per
cent. In 5 items from 22 to 42 per
cent and in one item 100 per cent.
The item in which the greatest excess
has occurred viz Brick in chimney
shows an increased rate of $12\frac{1}{2}$ per cent.
The total increase of Rupees 6281 over
the Estimate sanctioned in G. O. 2812
No 3378 dated 4th December 1863
is 20 per cent.



Civil Works 1508

50

Public Works Department.
Proceedings of the Madras Govt.
Under date the 3rd June 1865.

Read the following

From the Ex. Engr. in charge
of the S. P. Engineers
Office S. Division.

Forward for sanction a
revised Estimate of Rs. 36,450.
for constructing a
Bridge of 7 arches across the
Shunmogandi River in the
District of Madras.

Forwarded 6 May/65
N. 44 -

W.D.

Y.P.

In Ex. Min. (no-
I cannot think the appl. N. 305 dated 5th July
= nature sufficient to exonerate the Engr. who was re- 1855, in estimate
= rate the Engr. who was re- 1855, in estimate
= possible for the revised estimate amounting to Rs. 15,425
= mate of Rs. 2062 from blame has sanctioned for the
for completion in framing his 6
Estimate neither under the Construction of a 6
delivered to believe that the Arch Bridge over the
use in price has been 20 Shunmogandi in
free cost since 1862 -
I have constantly prepared Road N. 2.
upon the S. P. Dept. the one capital
of more case in the formation of
Estimates, and I am afraid in the Madras
that unless the Govt. make a District, the work
serious example of one who
Officers the closely and carefully
system will be continued Connected with which

W.D.

...continued in the
 following official from ...
 By the time however
 that a sum of \$
 1027- had been ...
 ... the progress of ...
 the work was stopped ...
 under the restrictions ...
 orders of 1856- In June ...
 1862 authority was given ...
 for ...
 again proceeded with ...
 as it had been repre-
 sented that the ...
 entered in the original
 estimate were not suf-
 ficient for its comple-
 tion owing to the delay
 which had taken place
 in its execution, the
 then District Engineer
 was instructed to submit
 a revised estimate, ...
 amounting to \$30,169, ...
 accordingly furnished by
 the ...

No 3578 dated 4th Dec^r/63

Division to which sanction
 was given in the orders
 marginally noted
 ... With the letter ...
 ... at the head of
 these Proceedings ...
 ... at present in
 temporary charge of the
 Division submits a third
 estimate for the ...
 ... of the Bridge and
 reports that the ... of
 \$6287 over the amount
 sanctioned in G.O. No 3578
 dated 4th December 1863 is
 owing

\$30,169-

- 1st To an increase in the cost of Human,
 Fuel, ... and their cartage -
- 2nd To a general rise in the prices
 of labor -
- 3rd To the items included in the estimate
 of December 1863 for excavation of Foundation
 and ... being insufficient in consequence
 of unseasonable frosts -

On examination of
 the Comparative Statement

any impression is, that in the districts where
I have served, the Engineer Estimates have
always been framed with a view to providing
eater. The use in power since 1882 has been
so wholly imprudent that considerable
latitude must now be allowed for what may
then be estimated for. I have declared that allowance
should have been made for a possible rise in
eater and that the omission of such allowance
is blamable, we ought I think to specify
the range for increase &c. will hereforward
be authorized & have attached on drawing
estimate— WDN

9th 1888 Depart
Pro. of Govt for June

1888
Pro. of the M. Govt
27 June/88

The revised
estimate amounting
to Rs. 16,450 for the con-
struction of a big
arched bridge over
the Shummoogam
or Trunk Road No. 2
Madras District
Sanctioned.

No 79.80