

(1) Number of pages _____

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(3) Initials of the Referencer _____

MADRAS RECORD OFFICE.

Government of Madras.

Public works DEPARTMENT.

G.O. No. 156

Press
Mis.

560-561.

Dated 23 5 18

Not to be folded or roughly handled

No. 560. Read the following letter from the Superintending Engineer, 2nd Division, to the Secretary to Government, Department Public Works, dated Masulipatam, 7th May 1867, No. 19 :—

1. I have the honour to forward a revised estimate, amounting to Rs. 11,250, and comparative Statement of the expense of improving the head sluice at Bezoarah, for which an estimate of Rupees 9,700 was sanctioned in G. O. No. 834, dated 27th March 1865.

2. The principal causes of the differences between the two estimates are as follows :—

First.—The old teak-wood originally bought for the wooden bridge proposed to have been built across the Kistna was used in the shutters. This wood had, from being kept so many years, warped and cracked to such an extent that in cutting it up for the planks of the shutters a wastage of more than 100 per cent.

occurred. This wastage it is necessary, under Orders* of Government, to charge to the work on which the wood has been absolutely used, and hence the rate per cubic foot has been raised from Rupees 2-8-0 to Rupees 3-12-0.

* G. O. No. 3,172, dated 5th October 1866.

Second.—The cut-stone in chunam, as executed, is of a superior description, and pilasters between arches have been introduced. This I authorized, as I considered that such a permanent and important structure, as the head works of the anicut, should have more finish than was originally contemplated.

Third.—The shutters have been made one foot six inches longer than originally intended, as it was found that the action of the water made this desirable. Hence an increase in the cost of iron work. The other deviations are comparatively small, and are counterbalanced by corresponding savings.

3. I have the honour to request that Government will be good enough, under this explanation, to sanction the increase necessary, viz., Rupees 1,550.

No. 561. ORDER THEREON, 23rd May 1867, No. 1,564.

IRRIGATION, No. 30.

1. Under the explanations which are afforded in this letter, the Government sanction the revised estimate of Rupees 11,250 for strengthening the head sluice of the Kistna Anicut Main Channel at Bezoarah and fitting an additional set of shutters to each vent.

2. It is observed that a sum of Rupees 1,857 has been provided for the work during the current year in Proceedings No. 1,494, dated 17th Instant, and a further grant of Rupees 1,550, in full of the estimate, will now be made from the Reserve under "Agricultural."

(True Extract.)

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

To the Superintending Engineer, 2nd Division, with Comparative Statement.

„ Controller of Public Works Accounts.

„ Accountant General.

Exd. S. T. Augustin.

Detailed Estimate No 6 of 1867/68 36

Peshawar District

Work - Revised Estimate for Constructing Road
Main Shuttles at Peshawar Amrit

Description of Work-	Measurements-				Cubic Cubits
	No	L	B.	H.	
Lengthening Abutments Concrete	2	9 $\frac{3}{4}$	7	10	1353 $\frac{3}{4}$
Do. Piers Do. ^{Square}	14	9 $\frac{3}{4}$	3	10	4060
Cast lining wall-	1	28	2	24 $\frac{3}{4}$	1386
Cutwaters	14	3	1	1 $\frac{1}{2}$	63
Do.	2	7	1	1 $\frac{1}{2}$	21
Rear face wall-	1	146	2	11	3212
Facing to bank returned	1	3	2	18 $\frac{1}{2}$	111
Parapet	1	18 $\frac{1}{4}$	1 $\frac{1}{2}$	2 $\frac{1}{2}$	701 $\frac{1}{4}$
Total Cut Stone C. ft.					10907 $\frac{1}{2}$
or Cubic Yds.					403 $\frac{36\frac{1}{2}}{27}$
Cut Stone Arch Work-	15	9	3	2 $\frac{1}{4}$	911 $\frac{1}{4}$
Total Cut Stone C. ft.					911 $\frac{1}{4}$
or C. Yards					33 $\frac{20\frac{1}{2}}{27}$
Shuttles	2	7	6 $\frac{1}{2}$	1 $\frac{1}{2}$	129 $\frac{1}{2}$
	14	7	2 $\frac{1}{4}$	1	220 $\frac{1}{2}$
Total Cut Stone C. ft.					350
or C. Yards					12 $\frac{26}{27}$
Brick Arch Work-	15	9	4	2 $\frac{1}{4}$	1215
Total Brick Arch Work C. ft.					1215
or C. Yards-					45
Rubble Stone in Churnam					
Cast lining wall-	1	32	2 $\frac{3}{4}$	24	2112
Backing of Rear face wall-	1	146	3	11	4818
Total Rubble in Churnam					6930
or cubic Yards					256 $\frac{18}{27}$

No 19

7th Sup^r Office 2nd Dr
Madras
7th May 1867 -

From

Lieutenant Colonel G. V. Winscom R.E.

To

Superintending Engineer 2nd Div

Colonel Charles A. Orr R.E.

Secretary to Government

D. P. C.

Sir

I have the honor to forward
a revised Estimate amounting to Rs 11,250
and Comparative statement of the Expense
of improving the Rd. since at P. Nagaroh
for which an Estimate of Rs 9,700 was
sanctioned in G. O. No 834 of 27th March 1865.

2 The principal Causes of the difference
between the 2 Estimates are as follows -

1st The old Teak wood originally bought
for the wooden Bridge proposed to have
been built across the Kistna was used
in the shutters. This wood had, from
being kept so many years, warped
and cracked to such an extent, that in
cutting it up for the planks of the shutters
a wastage of more than 100 per cent
occurred. This wastage it is necessary
under orders of Government to charge

* No 3172
15th October
1866

Enclosure in letter
No 19 dated 7th March
1867 to the Secretary
to Government P. N. O.

2211458/67

Forward Estimate for
Constructing Road from
P. Nagaroh to P. Nagaroh
Ancient

into the work on which the wood has been absolutely used - and hence the rate per cubic foot has been raised from ^{Rs. a} 2-8-0 to Rs. 3-12-0

2nd The Cut-stone in Chumam as executed is of a superior description and pilasters between Arches have been introduced - This I authorized as I considered that such a permanent and important structure as the ^{D.} works of the Arment should have more finish than was originally contemplated.

3rd The shutters have been made 1-6" longer than originally intended so it was found that the action of the water made this desirable. Hence an increase in the cost of iron work. The other deviations are comparatively small and are counterbalanced by corresponding savings.

3 I have the honor to request that Government will be good enough under this explanation to sanction the increase necessary viz Rs. 1550-0-0

I have the honor to be
Your most Obedt Servt
Commodore V. P. R. E.
Super Engineer at D.

AM

ENR-1564

PROCEEDINGS of the MADRAS GOVERNMENT.

Under date the 23rd May 1867
Read the following

From the Supt. Engineer of
the 2nd Division — (Here enter No. 19 dated 7th May 1867)

Under the explanations
which are afforded in this letter,
the Government sanction the
revised estimate of Rs 11,250
for strengthening the head sluice
of the Krishna Ancient Drain
(Channel at Bezarah) and
fitting an additional set of
shutters to each vent.

It is observed that
an amount of Rs 1057 has been
provided for the work during
the current year in Prov. A
of and a
further grant of Rs 1550, and
full of the estimate, will now be

The Engrs. 2 & 3 for the compa.
Control the system of the Reserve
Reet General under "Agricultural".
at the Dept. of the 2nd Division, 15th May 1867

27 March 1867 834
15 (cedr) 1686-3172-

27 March 1867 834
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Pub: Works 1867 Depart

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No. 1564

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Of 23rd May 1867

Sanctioning the revised
estimate of Rs. 11,250 for
strengthening the head and
of Flectra Ancient Indian
Channel at Bezorah,
and fitting an additional
set of shutters to each vent.

560-561

2-17-1867. 167. 09. 20/10