

(1) Number of pages _____

(2) Date of repair _____

(3) Initials of the Referencer _____

MADRAS RECORD OFFICE.

Government of Madras.

Public Works DEPARTMENT.

G.O. No. <i>427</i>	Press
<i>220-221</i>	Mis.
Dated <i>13-2-18</i>	<i>SM</i>

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
13th February 1867.*

No. 220. Read the following letter from the Superintending Engineer, 2nd Division, to the Secretary to Government, Department Public Works, dated Camp, Kavali, 31st January 1867, No. 97 :—

1. The great difficulty that has always been experienced in ramming down the shutters which were originally made for the Kistna anicut under-slucices, owing to the accumulation of brushwood round the horizontal stone beams against which the shutters rest, induced Colonel Anderson, on my representation, to authorize a deviation from the former pattern, and the substitution of the long, narrow beams known as "needles."

2. The advantages obtained are as follows :—

I. Each needle being much lighter than a shutter, is more easily managed.

II. A small obstruction, such as a thick branch of a tree, caught in the sluices, will only affect perhaps one needle ; whilst a whole shutter, or one-third of the breadth of the sluice, would be impeded by it.

III. It is much easier to ram down the needle, than the broad shutter, through the brushwood which may be collected.

3. Government in G. O. No. 3,478, dated 26th November 1863, sanctioned the sum of Rupees 2,240 for making new shutters for twenty-eight of the sluices, with

1 Detailed Estimate and Abstract Rupees 1,180.
1 Comparative Statement.
1 Table of Data.
1 List of under-slucices.

this money nineteen have been fitted with the needles, and I now have the honor to forward a supplemental estimate (together with papers as per margin) amounting to Rupees 1,180, for furnishing similar shutters to the remaining eleven vents.

4. As the original shutters, which have now been in use since the anicut first was used, are entirely worn out, and unfit to serve another year, I solicit Government to be good enough to sanction the money needed from the Reserve of next year. The shutters will not be required till September, before which time they can be easily prepared.

No. 221. ORDER THEREON, 13th February 1867, No. 427.

CIVIL WORKS, No. 29.

In the Orders of Government No. 3,478, dated the 26th November 1863, sanction was accorded to an

estimate of Rupees 2,240 for renewing the shutters of twenty-eight under-slucices of the Kistna anicut ; but, owing to the inadequacy of the rates on which that estimate was based, the amount sanctioned only proved sufficient for nineteen sluices. Colonel Winscom now reports that the shutters of the remaining eleven sluices of the anicut are unserviceable, and submits an estimate of Rupees 1,180 for re-placing them by others of an improved pattern. The Government approve of this estimate, and request the Superintending Engineer to submit an application after the 1st April next for a grant from the Reserve.

(True Extract.)

Colonel, R. E.,

Secretary to Government.

To the Superintending Engineer, 2nd Division, with three Enclosures.

" Controller of Public Works Accounts.

" Accountant General.

Exd. S. T. Augustin.

Whilst a whole shutter, 2/3 of rest

No 97

Sup. Engrs. Office D.
Camp Hawaii
31 January 1867.

From

V. Col. G. T. Wincom R.E.
Sup. Engrs. Office D.

To

Col. C. A. Orr R.E.
Secretary to Government
D. O. C.

Sir

The great difficulty that has always been experienced in ramming down the shutters which were originally made for the Kistna Ancient Landreolice, owing to the accumulation of brushwood round the horizontal stone beam against which the shutters rest, induced Colonel Anderson on my representation to authorize a deviation from the former pattern and the substitution of the long narrow beam known as "Needles".

2 The advantages obtained are as follows.

I Each needle being much lighter than a shutter, is more easily managed.

II A small obstruction such as a thorn branch of a tree, caught in the sluice, will only affect perhaps one needle, whilst a whole shutter, $\frac{2}{3}$ of the

breadth of the shutter, would be impeded by it.

III It is much easier to ram down
the needle, than the broad shutter,
through the brushwood which may
be collected.

3. Government, in G. O. No 34782/26 Nov/63
sanctioned the sum of Rs 2240 for

making new shutters for 28 of the sluices
with this money. 19 have been fitted
with the needles and I now have the honor
to forward a supplemental estimate

together with papers as per margin
amounting to Rs 1180 for furnishing
similar shutters to the remaining
11 vents.

1 Detailed Estimate
2 B.O. No 1180
1 Comparative statement
1 Table of cost
1 List of materials
- Sluices -

4. As the original shutters, which
have now been in use since the Amrit
Sarovar was used, are entirely worn out,
and unfit to serve another year, I
 solicit Government to be good enough
to sanction the money needed from the
revenue of next year. The shutters
will not be required till September
before which time they can be easily
prepared.

prepared.

I have the honor to be
Your most Obedient
servant

Commissioner of
Suz & Engineer 2nd D^o

196

72

Particulars	Number	Measurement				Cubic Contents
		Length	Breadth	Thickness	Subl. Contents	
Teak wood shutters	1	21° 7'	6'-0"	4"		43-2-0
		22° 7'	0-10	4"		6-3-43
	2	21-2	6-0	4		42-4-0
		22-2	0-10	4		6-2-0
	3	20-10	6-0	4		41-8-0
		24-10	0-10	4		6-10-0
	4	20-5	6-0	4		40-10-0
		21-5	0-10	4		5-11-45
	192-6-0					
	193-3-5					
	on					
	193-1/2					
194-1/2						
Yube wood shutters	22	15° 9'	6-0	4		31-6-0
		16° 9'	0-10	4		4-7-910
	24	15-0	6-0	4		30-0-0
		16-0	0-10	4		4-5-4
	26	14-3	6-0	4		28-6-0
		15-3	0-10	4		4-2-910
	27	13-10	6-0	4		27-8-0
		16-10	0-10	4		4-1-5
	28	13-6	6-0	4		27-0-0
		14-6	0-10	4		4-0-4
	29	13-1	6-0	4		26-2-0
		14-1	0-10	4		3-10-18
	30	12-9	6-0	4		25-6-0
		13-9	0-10	4		3-9-10
	225-2-0					
	5-6					

P- 264. Nov/60. P. 640. 244
 - 184. June/64. " 241-263
 - 144. July/65. " 73-83.

[illegible]

to the Secretary
of the Government
Philadelphia

Ms. B. 1. v. 1.
Box 31 January 1864
Wood's Ferry / Ga.
No 97
Cincinnati /

Under the motto
"Innocentia & Veritas
vincunt" a large quantity
of literature amounting
to \$1180 per hundred
weight of letters directed
to Pennsylvania 11 letters
of introduction of
Richard Wright and
request to donation
out of my 5 years
experience.

2102427-1344/67

4220

C. G. Freling 1867. Oct. 11^m

1827
Abstract
Estimate for Constructing 11 Under sluice shutters

Quantity		Rate	Amount	Sub
143 1/2	Cft of Teak wood shutters per cft	2 120	521 70	
192 1/2	" of cyprus wood	2 80	565 20	
225 1/2	boards. Iron or 163 lb Iron @ 1/2 lb	2 6	26 80	
21				1124 70
	Carriage - fitting & Contingencies			53 90
			Sub	1180 00
	Proper Eleven hundred & eighty only			

Robert Rogers House Officer
Ryegate 22nd January
(186)

W. Smith
Engineer of Iron Works

Commission Smith, C. & Co.
Superintending Engineer 2nd Division

1/6/60

Public Works Dept.
11a

427
Proceedings of the Madras Government
Under date the 13th February 1867.
Recd the following.

From the Supy Engineer
of the 2nd Division (Here enter 31 January 1867)
6971

In the orders of Govt.
No 3478, dated the 26th
November 1863, sanction
was accorded to an
estimate of Rupees 2,240
for renewing the shutters
of 28. under sluices of
the Krishna Ament; but,
owing to the inadequacy
of the rates on which that
estimate was based, the
amount sanctioned only
proved sufficient for
19 sluices - (of which 11 were

N.
G.

W.D.

Estimate of the probable
the expense of continuing
the 11 sluices - obtain
shutters for the same
amount.

223 005 3/4
103 201 1/2

13th February 1867
No. 427

Pub. Works 1864 Department

Pro: of Govt for February.

No. 427

Pro: of the Madras Govt.

13th February 1867

The estimate of
Rs 1,800 for re-placing
certain Shutters of Histro
Ancient under Sluces,
approved; and the Supp
Congr instructed to apply
for funds for the work
after the 1st April next.

6220-22j

4m July 1867, Pa. 11m