M.R.O. 1—77,006—9-6-37.

(1) Number of pages 14

(2) Date of repair 1-5-[illegible]

(3) Initials of the Referencer

# MADRAS RECORD OFFICE.

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## Government of Madras.

Public Works DEPARTMENT.

G.O. No. 253 Press ~~Mis.~~

508-509

Dated 27-1- 1871.

***Not to be folded or roughly handled***

*Proceedings of the Madras Government, Public Works Department,*
*27th January* 1871.

No. 508. Read the following letter from the Superintending Engineer, 6th Division, to the Secretary to Government, Public Works Department, dated Camp at Upper Anicut, 5th January 1871, No. 859 :—

I HAVE the honour to forward a plan and estimate for providing baulk shutters for the surplus sluice in the Weyacondan built in 1867-68. The revolving shutters have proved to be a failure. The normal level of the Weyacondan channel bed is 3 feet above the floor of the surplus sluice and 5 above the floor of the vents of the head-sluice, but during the passed working season a 4-feet wall has been built across the vents of the floor of the head-sluice, thereby practically raising the floor level to within 1 foot of the bed of the channel.

1 Plan.
1 Estimate, Rupees 2,850.

2. The estimate now forwarded was countersigned by the Collector in September 1869, but was not then submitted, as the Chief Engineer for Irrigation was of opinion that before the alterations proposed were made the bed should be cleared both above and below the surplus sluice, and the remains of all the banks formerly raised above the old surplus calingulah should be thoroughly removed; this was done last season and the revolving shutters, as in the previous season, were found to act very well during the first flood, but on its subsidence, when the sluices were closed, silt at once accumulated both in front and rear of the vents and blocked them up completely, so that it has since been found to be impossible to work them. The shutters are not, in my opinion, at all suited to the peculiar position in which they are placed, the moment they are closed they become clogged by silt in front from the Weyacondan channel bed, and in rear by the deposit in the backwater formed by the floods in the Agunda Cauvery.

3. The present proposal is to place the cross stones for the support of the bottom of the shutters just above the floor of the existing vents; but if it is found that the shutters become clogged, now that the floor of the head-sluice has been raised 2 feet above the floor of the surplus sluices, it may be found necessary to raise the floor of the surplus sluices; however, this will cost but a small sum.

4. The estimate for adapting the sluice for baulk shutters amounts to Rupees 2,850, but of this sum Rupees 1,665 are the cost of the shutters. The sluice was built from an allotment under "Agricultural Extraordinary." It is very desirable that the alterations now proposed should be executed during the approaching working season, and, if so, the preparation of materials ought to be commenced at once. I would suggest, therefore, that Rupees 500 should be allotted for the work in 1870-71 from the balance of the sum of Rupees 3,669 lately carried to the credit of the Reserve, and that the balance of the estimate should be provided from the Reserve in 1871-72.

Estimate Rupees 16,500, G. O., No. 3,360 of 20th October 1866.

G. O., No. 2,957, dated 6th December 1870.

*Proceedings of the Madras Government, Public Works Department,*
*27th January* 1871.

No. 509. ORDER THEREON, 27th January 1871, No. 253.

IRRIGATION, No. 27.

HIS Excellency the Governor in Council sanctions the estimate of Rupees 2,850 for providing baulk shutters for the surplus sluice in the Weyacondan, and in order that the preparation of materials may be at once proceeded with, he resolves to allot the sum of Rupees 500 applied for in paragraph 4 from the unappropriated balance of the sum of Rupees 3,669 held at the disposal of Government in G. O., No. 2,957, dated 6th December 1870.

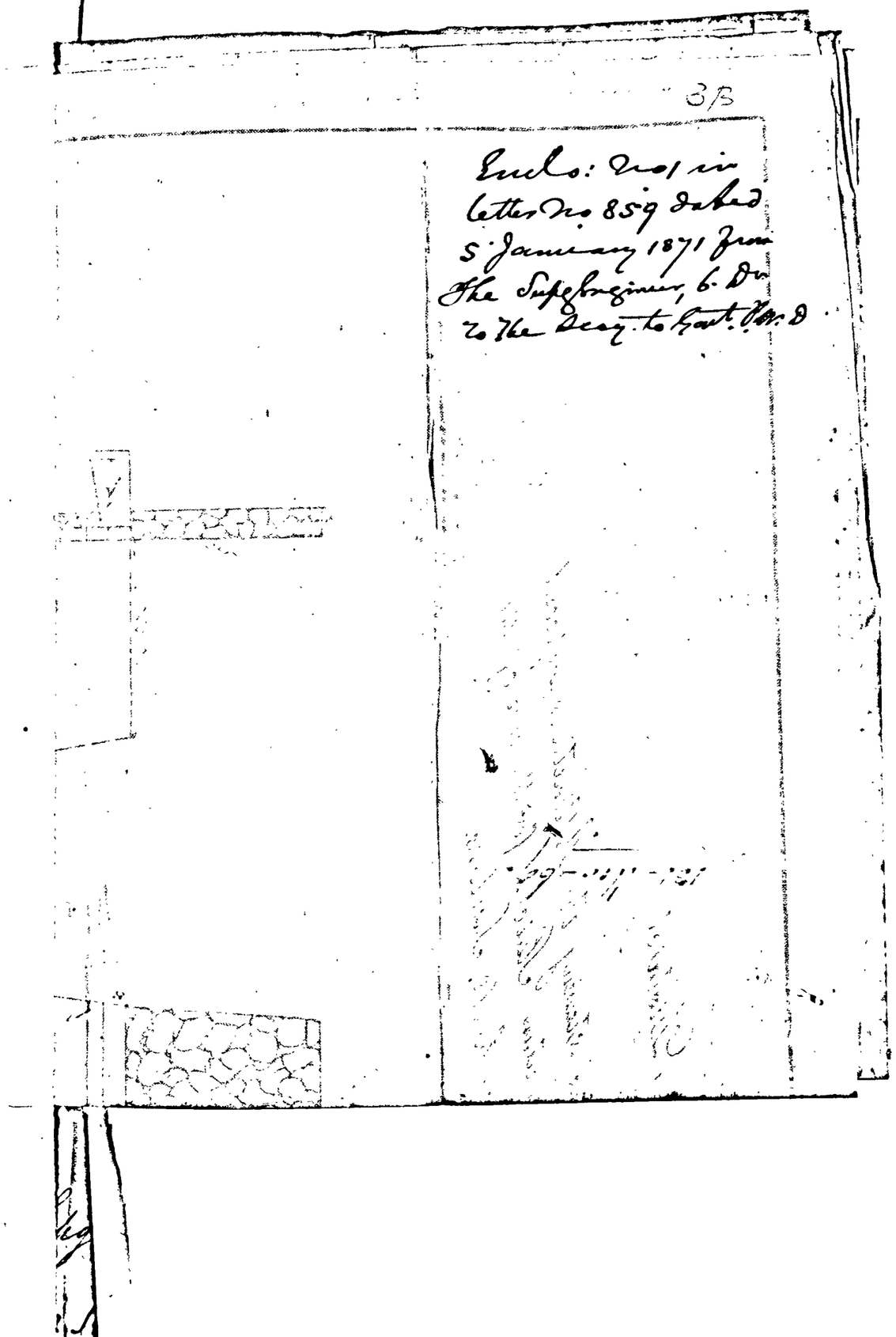
(True Extract.)

Colonel, R.E.,

*Secretary to Government.*

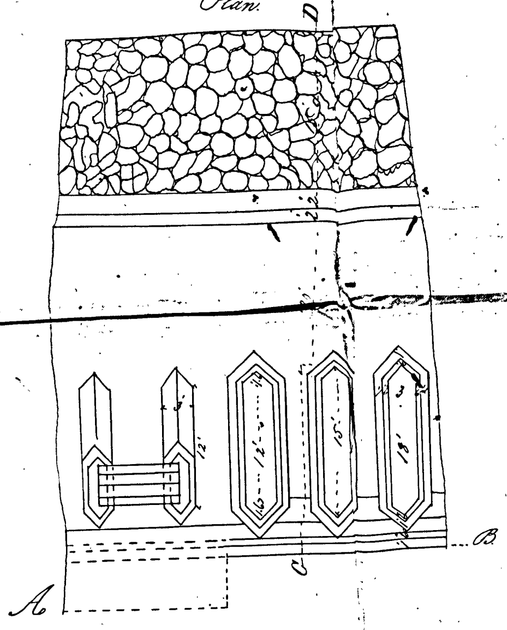
To the Superintending Engineer, 6th Division.
" Controller of Public Works Accounts.
" Chief Engineer for Irrigation.

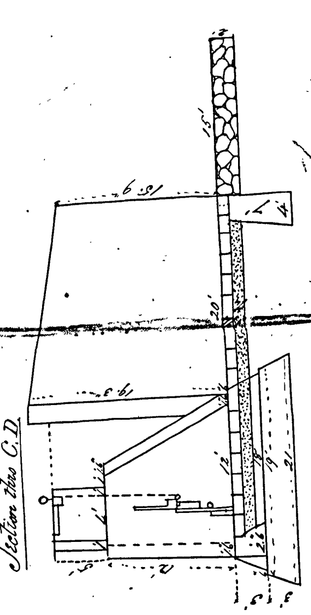
Exd. E. C. Shunker.



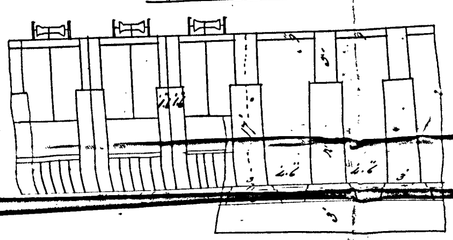
# Plan and Section, shewing the Alterations proposed to adapt the Weyauntan Sluices for the use of the ordinary Sault Shutters.

Plan.



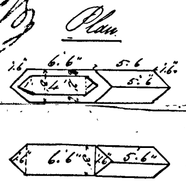



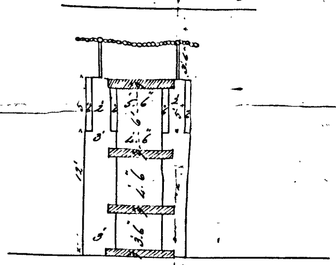

Elevation and Section thro A.B.



Section thro A.A

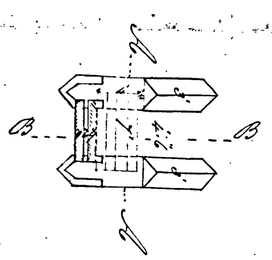
Plan

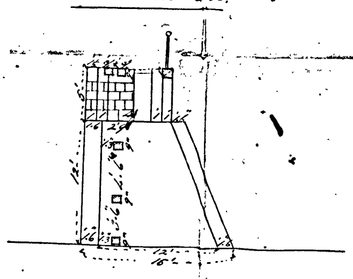




Plan

Section thro B.B.



— Reference —

Black line denotes old Work

Red line ? — New Work

Blue — ?

Yellow — Removing Work leaving existing Woodwork Rest form.

Amount of Est. Rs 2850—

Scale 10 ft = 1 Inch

5 10 10 20 30 ft

Supt. Engr. 6th Dr.

Supt. Engr. Office 6th Dr. 22 Sept. 1869

Asst. Engr.

Asst. Engr. 6th Dr.

Asst. Engr. call.

Trichinopoly District

Abstract Est. No. 1870

Work — Estimate for adapting the Weyaconda Sluices for the Ordinary Canal Shutters

| Quantity | Description of Work | Rate | Amount | Total |
|---|---|---|---|---|
| 700 | Cft of Demolishing old Work | at " - 4 | 14 9 4 | |
| 997½ | Cft of Brick in Chunam | at " - 2 - | 124 11 - | |
| 810¼ | Cft of Cut Stone in Sluice facing | at 1 - - | 810 12 - | |
| | Charges | at 1 - - | 11 - 4 | |
| 735 | Sqft of Plastering | at 1 - - | | |
| 377½ | Ft of Iron Stanchions for Sluice with eyes at 16-4 + 1½" in diameter | 3 - | 2 - 47 3 - | |
| 416½ | Cft of Teakwood Shutters with Iron Clamps at top & bottom | at 4 - - | 1665 - - | |
| | Removing & replacing existing Platforms 15 | at 2 - - | 30 - - | |
| | Fixing present Sluice Chanis to Stanchions 15 | at 1 - - | 15 - - | |
| | | | 2718 3 8 | |
| | Removing existing Shutters &c & Sundries | | 131 2 4 | |
| | Total Est Rupees | | 2850 - - | |

G. Bamberg Asst

Supg Engrs Office
Trichy
22 Sept 1869

COLLECTOR'S CUTCHERRY.
TRICHINOPOLY SEPT 23, 1869.

W. F. Lake Capt R.E.
Supg Engr Trichy

No. 859

Supt Engineers Office 6th Div.
Camp Sepperd Island
5th January 1871.

From

Captain R. F. Oakes R.E.

Supt Engineer, 6th Division

To,

Colonel C. A. Orr R.E.

Secretary to Government. P.W.D

Sir,

Covers 2
Plan
Estimate

I have the honor to forward a Plan and estimate for providing Gault Shutters for the Surplus Sluices in the Weyaeendan built in 1867-68. The revolving Shutters have proved to be a failure. The normal level of the Weyaeendan channel bed is 3' above the floor of the Surplus Sluice and 5 above the floor of the Vents of the Head Sluice but during the passed working Season a 4 ft. wall has been built across the Vents of the floor of the Head Sluice thereby practically raising the floor level to within one foot of the bed of the channel

2. The Estimate now forwarded was countersigned by the Collector in September 1869 but was not then submitted as the Chief Engineer for Irrigation was of opinion that, before the alterations proposed were made the bed should be cleared both above and below the Surplus

Sluice

Sluice and the remains of all the banks formerly raised above the old surplus calingulah should be thoroughly removed: this was done last Season and the revolving Shutters, as in the previous Season, were found to act very well during the first flood but on its subsidence when the Sluices were closed, silt at once accumulated both in front and rear of the Vents and blocked them up completely so that it has since been found to be impossible to work them: the Shutters are not, in my opinion, ill suited to the peculiar position in which they are placed the moment they are closed they become clogged by silt in front from the Wayaendan channel bed and in rear by the deposit in the backwater formed by the floods in the Agunda Cavery.

3. "The present proposal is to place the cross stones for the support of the bottom of the Shutters just above the floor of the existing Vents, but if it is found that the Shutters become clogged, now that the floor of the Head Sluice has been raised 2' above the floor of the Surplus Sluices, it may be found necessary to raise the floor of the Surplus Sluices However this will cost but



but a small sum.

4. The Estimate for adapting the Sluice for baulk shutters amounts to Rs. 2850 but of this sum Rs. 1665 are the cost of the Shutters. The Sluice was built from an allotment under "Agricultural Extraordinary". It is very desirable that the alterations now proposed should be executed during the approaching working Season and if so, the preparation of materials ought to be commenced at once. I would suggest therefore that Rs. 500 should be allotted for the work in 1870-71 from the balance of the sum of Rs. 3669 lately carried to the credit of the reserve and that the balance of the Estimate should be provided from the reserve in 1871-72

Estimate Rs. 16500 G.B. No 3360 of 20 October 1866.

G.O. No 2957 of 26 December 1870.

I have the honor to be
Sir
Your Most obed.t Servt.

H.P. Orton Captain R.E.
Superintending Engineer, 6. Div.

No 2535 Public Works Department

Proceedings of the Madras Government

Read the following

From

The Supty: Engineer
6th Division

Dated 8th January 1871

To

His Excellency the
Governor in Council

sanctions the estimate
of Rs 2850 for pro:
viding boulk shutters
for the surplus sluices
in the Veyacondan;
and in order that the
preparation of materials
may be at once pro:
:ceeded with, he resolves
to allot the sum of
Rs 500 applied for
in para 4 from the
unappropriated balances

N

The Supty: Engineer
6th Division

Dated 8th January 1871

No 859

Submits estimate
of Rs 2850 for
providing boulk
shutters for the
surplus sluices
in the Veyacondan
Channel Reservoir
& requests that
Rs 500 may be
granted from
unappropriated
balances in the
current year

No 2535-25 dated 11th Feby 1871

No. 1 Cir. 84

Govt. of {1871} Madras.

PUBLIC WORKS.

To

The Superintending Engineer
6th Division

Dated

Rec'd. Encl.

G. O. 27 May 1871, No. 253

Nos. 508-509

Bank Protectors. The estimate for Rs 2650 for providing Bank Protectors for the surplus Sluices in the Weyacondam in the Pichindoly Tk. Tanjore, & Rs. 500 allotted for the reclamation of materials.