

(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.	407	Press
B.P. No.		Mis. —
Dated	13 - 2	6875
		195

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
13th February 1875.*

No. 293. Read the following letter from Lieutenant-Colonel J. F. FISCHER, R.E., District Engineer, Madura, to Colonel G. W. WALKER, R.E., Secretary to Government, Public Works Department, dated Madura, 8th December 1874, No. 3,858:—

With reference to my letter in G. O. of the 6th ultimo, No. 3,154, I have the honor to forward copy of a report from the Overseer in charge of the Operations at Paumben submitting a bill, amount.

1 Copy of letter.
1 Memorandum.

ing to Rupees 131-3-6, for altering the machinery of the dredge as directed by me. Mr. Fonseca has debited this to the grant of Rupees 200 sanctioned for the maintenance of the dredge, but I think the charge is hardly debitable to this head, which provides for only such ordinary repairs as the dredge may require after a season's work, and I therefore solicit permission to charge this bill to the estimate for the work.

2. The dredge is likely to require repairs at any time, and I am therefore anxious not to reduce the grant for its maintenance, as special sanction will have to be obtained should an increase be required for this purpose.

3. The Overseer finds he can now do the same work with 16 men that 34 were formerly employed to do, and that a monthly saving of Rupees 144 has been effected by this modification. The total saving for a year is Rupees 1,728, which is more than the average annual expenditure on the work for the last seven years, as reported in this office letter of the 16th ultimo, No. 3,399; it would not be difficult to arrange a hand-dredge to make it very much more effective than this one, but I doubt if the work of deepening the channel could be done in any thing like the time that the Clyde dredges would do it in. So far as I have been able to utilize the old materials at Paumben I have done so, but the machinery for another hand-dredge will have to be made up at Madras or Dowlaishweram, as we cannot cut a screw here or cast any sort of wheel.

No. 294. ORDER THEREON, 13th February 1875, No. 401.

ACCOUNT, No. 19.

THE proposal of the District Engineer to charge to the works of the Paumben channel the cost of altering the hand-dredge cannot be assented to, but a transfer will be made of the sum required (Rupees 132) from the allotment for deepening the channel, as it does not appear that the whole will be required.

(True Extract.)

(Signed) G. W. WALKER, Colonel, R.E.,
Secretary to Government.

To the District Engineer, Madura.
.. Controller of Public Works Accounts.

Ezd. S. T. Austin.

Spare Copies

Particulars of work done in improving the
Hand Dredge Machinery.

Wood work.

Fixing 6 uprights each $4\frac{1}{2} \times \frac{1}{2} \times \frac{3}{4}$

do 11 struts do $1\frac{1}{2} \times \frac{1}{2} \times \frac{3}{4}$

do 6 crosspieces do $3 \times \frac{1}{2} \times \frac{3}{4}$

2 sleepers do $10 \times \frac{1}{2} \times 1$

Removing and relaying a portion of the
Plat form

Extending do 2' towards the stern

Altering mud board from an oblique into a
horizontal position.

Iron work.

74 bolts from $\frac{3}{4}$ to $1\frac{3}{4}$ long one end wormed
and nuts to fit

41 nails each 1' long

16 clamps do $\frac{3}{4}$ do.

6 bars do 2' do

1 New axle 7' long for extra wheel (36" diameter)

2 do 2' long for extra pinions (6" diameter)

2 Brass Pinions (6" diameter)

100 thin wedges each $\frac{1}{4}$ " in length

The length of the original crank had to be reduced

* The old axle was found too much worn out

and required lengthening hence kept by.

⊙ Found in store

⊙ Moulded and cast in the Workshop.

(Signed) J. F. F. onceal overseer

Paumotu 2nd week of operations
28th Nov/74.

Paumotu

[True Copy]

W. L. Tucker Lieut Col R.R.
District Engineer, Madras

Memo

2
27/11/74

One 21" dia. roller
from the Dist Engr
Madras to the Sub Engr
to Govt. D.M. dated
8 Dec 1874 to 385



Paumotu Sub-Div office,
No 91. Paumotu 28th Nov/74

It is

The overseer in ch. of operations.

Paumotu

To

The District Engineer

Madras

Sir,

In continuation of my letter No.
75
16-10-74. I beg to report that the improvements
suggested by you to the Hand Dredge Ma-
chinery have been fully carried out and the
result is highly satisfactory. The resistance
has become so much reduced now that
half the power originally employed has
been practically found to be sufficient. I
have therefore retained 16 men to work by
relays of 8 men each for turning the
cranks and dispensed with the services
of 18 men. I have also altered the position
of the Mud Board from an oblique into
almost a horizontal position by which
the services of two men were found to be
unnecessary so that the saving to Government
in all would be Rupees 144-0-0 per annum

I beg to annex a memo shewing the different work done in carrying out your suggestions and having utilized all available materials found in store it cost only Rupees 131-3-6 which I debited against the allotment of Rs. 200-0-0 granted for the maintenance of the Dredge.

I beg to
(Signed) J. Fr. Fonseca, overseer
Inch: of operations, Paumotu

(True copy)
Lieut. Col. R. C.
District Engineer Madras

Copies of Mr
Fonseca's letter

27/12/1914

Enc 1 of a letter
from the District Engr.
Madras to the Secretary
to Govt. dated
2 Dec 1914 No 8858

District Engineers Office
No 3858 Madras 8 December 1914
From

Lieut. Colonel J. F. Fisher Esq.
District Engineer Madras
To
Colonel C. W. Walker Esq.
Secretary to Government P.W.D.
Madras

re 2 / Sir,
copy of
letter
lines

With reference to my letter in
C.O. of the 6 ultimus No 3154 I have
the honor to forward copy of a report
from the overseer in charge of the
operations at Paumotu submitting
a bill amounting to Rs 131-3-6 for
altering the machinery of the Dredge
as directed by me. Mr Fonseca
has debited this to the grant of
Rs 200 sanctioned for the maintenance
of the Dredge, but I think the charge
is hardly debitable to the head which
provides for only such ordinary repairs
as the Dredge may require after
a

a Season's Work and I therefore
Solicit permission to charge this
bill to the Estimate for the Work.

2. The Dredge is likely to
require repairs at any time and
I am therefore anxious not to
reduce the grant for its main-
tenance as special sanction will
have to be obtained should an
increase be required for this purpose.

3. The District finds he can
now do the same work with 16 men
that 34 were formerly employed to do
and that a monthly saving of
Rs 144 has been effected by this modi-
fication. The total saving for a year
is Rs 1728 which is more than the
average annual expenditure on
the work for the last 7 years as re-
ported in this office letter of the
16 ultimo no 3399 it would not be
difficult to arrange a hand dredge
to

to make it very much for
effect than this one; but I doubt
if the work of deepening the Channel
could be done in any thing like
the time that the Clyde-dredges
would do it in. So far as I have
been able to utilize the old materials
at Pannabens I have done so;
but the machinery for another hand-
dredge will have to be made up
at Madras or Daulahpore as
we cannot cut a screw here or cast
any sort of wheel.

I have the honor to be
Sir

Your most obedt Servt
W. T. Tucker
District Engineer
Madras.

P. W. D. 110

Proceedings of the Madras Government,

Under date the

187 .

Read the following:—

From

The Dist. Engr. Madras (401
H.E. No. 3858 of 8th Decr/74)

The proposal of the District Engineer to charge to the works of the Pamban Channel the cost of altering the hand drop cannot be assented to but a transfer will be made of the sum required (Rs. 132) from the allotment for deepening the channel if it does

Md
29/11

S. N. 1874 No. 1585
of 11th Decr 74
from the Dist. Engr.
Madras
The District Engineer
Madras
The Secretary to
Government
Madras

Dated 5th Dec 1874
Received 12th Dec 1874

End 2/11

Reports regarding
Havel & Reddy
Machinery at
Pamban

No. No. 441 of 2-2-75

Dec 29/75

Dec 1-75

not appear that the
whole will be required

Adm'l

Q.M.M.

To
The H. E. Madras ✓
Controller of P. & H. ✓
Dec^r 15-2-75

7795

Govt. of 1875; Madras.
PUBLIC WORKS.

The Dist. Engr.
Madras

Dated

Recd.

Encl. 2

G. O., 13 Feb: 1875, No. 40/

No. 293-294

Hand-dredge. Pambai
Channel. Madras &c

In forwarding the pro-
posal of the S. S. to change
to the works of the Pambai
Channel the cost of altering
the dredge cannot be
accounted to, but a transfer
of the sum required will be
made from the allotment
for deepening the Channel.