

(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.	1121	Press	<i>Original</i>
B.P. No.		Mis.	
Dated	30.4.	195	1874

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
30th April 1874.*

Read the following papers :—

No. 429.

No. 129.

MEMORANDUM.

It has been ascertained that the expenditure on preliminary operations in connection with the project for improving the harbour of Cochin, for which a sum of Rupees 2,000 was sanctioned in G. O., No. 3,002, dated 18th December 1872, has up to the end of October 1873 amounted to Rupees 1,112-11-2. The Inspecting Engineer for Ports and Harbours is requested to be good enough to submit particulars of this outlay, specifying the nature and result of the experiments which he had proposed should be undertaken with the funds allotted.

(Signed) G. W. WALKER, Colonel, R.E.,
21st February 1874. Chief Engineer, Public Works Department.

No. 430. From Lieutenant-Colonel W. T. F. FAREWELL, Inspecting Engineer for Ports and Communications, to Colonel G. W. WALKER, R.E., Secretary to Government, Public Works Department, dated Chepauk, 28th March 1874, No. 759-76.

With reference to your memorandum No. 129, dated 21st ultimo, I have the honour to inform you that the actual expenditure up to 31st January 1874 on the preliminary experiments in connection with the project for improving the harbour of Cochin, for which a sum of Rupees 2,000 was sanctioned in G. O., No. 3,002, dated 18th December 1872, is Rupees 1,029-10-10 and not Rupees 1,112-11-2, as noted in your memorandum, Rupees 83-0-4 having since been recovered, the particulars of expenditure are as follow :—

	RS.	A.	P.
1. Surveying, taking soundings, and buoying outlines for training walls, as well as for sundries	96	13	6
2. Sea-going boat	250	0	0
3. Boring the bar	224	5	7
4. Limestone (12 cubic yards)	59	13	9
5. Portland cement (24 casks)	398	10	0
	1,029	10	10

2. The sea-going boat (Item 2) was purchased by my orders when Superintending Engineer of the late 7th Division for the purpose of taking soundings, etc. Items 4 and 5 were purchased for constructing concrete blocks, but the materials are now lying in store, and a very few concrete blocks of very poor materials available at Cochin were constructed, and there have some of them been nearly entirely worn away by the action of the waves. Pending further action in reference to papers shortly to be submitted, no experiments have as yet been made with the Portland cement, which as required for other hydraulic works will be transferred to them and its value recovered.

3. The borings on the bar were undertaken at Mr. Robertson's suggestion, and all tended to prove that nothing but sand exists there, at all events to the depth it may be necessary to deepen it.

Proceedings of the Madras Government, Public Works Department,
30th April 1874.

No. 431.

ORDER THEREON, 30th April 1874, No. 1,121.

CIVIL WORKS, No. 49.

The information afforded in this letter will be recorded, and the expenditure already incurred under the authority of G. O., No. 3,002, dated 18th December 1872, admitted.

2. The Controller will take steps for having the unused limestone and cement brought on to the Stock Returns and duly accounted for as utilized. It is presumed that care is taken that the boat is kept in serviceable condition. No further outlay should be incurred without estimate and specific sanction.

(True Extract.)

Colonel, R.E.,
Secretary to Government.

To the Inspecting Engineer for Ports and Communications.
" Officiating Controller of Public Works Accounts.
" District Engineer, Malabar.
" Marine Department.

Erd. S. T. Austin.
Spare Copies

Inspecting Engineer's Office
for Ports & Communications
Chennai, Madras
28th March 1874.

From.

The Inspecting Engineer for
Ports & Communications.

To—
The Chief Engineer and
Secretary to Government
Public Works Department.

With reference to your
memo No. 129 dated 21st ultimo,
I have the honor to inform you
that the actual expenditure up
to 31st January 1874, on the pre-
liminary experiments in con-
nection with the project for
improving the harbour of Cochin
for which a sum of Rs 2000
was sanctioned in G.O. No. 3002
dated 18th December 1872, is
Rs 1039-50-11 and out Rs 1112-
11-2 as noted in your
Memo.

Mem. No 88 - 1/4 having since
 been received the particulars
 of expenditure are as follows
 1. Surveying, taking
 soundings & buoying
 out lines for training
 smalls as well as for
 sundries.

2. Sea going boat	96-18-6.
3. Boring the bar	250 - - -
4. Lime stone (12 trips)	224 -5-7.
Portland cement (24 casks)	59 -18-9.
	390 -70- -
	1029 -10-10.

The Sea going boat (Item 2)
 was purchased by my orders when
 Capt. Engineer of the late 7th Den
 mission for the purpose of taking
 soundings etc. Items 4 and 5 were
 purchased for constructing con-
 crete blocks but the materials
 are now lying in store and a
 very few concrete blocks of very
 poor materials available at
 Cochin were constructed and
 it

there have some of them been
 nearly entirely worn away by
 the action of the waves. Pending
 further action in reference to
 papers shortly to be submitted
 no experiments have as yet
 been made with the Portland
 cement, which, as required for
 other hydraulic works, will be
 transferred to them and its
 value recovered.

3. The borings on the bar were
 undertaken at Mr. Robertson's
 suggestion and all tended to prove
 that nothing but sand exists
 there, at all events to the depth
 it may be necessary to deepen
 it.

I have the honor to be
 Sir,

Your most obedt. servant

 Lieut. Colonel
 Inspecting Engineer for
 Ports & Communications.

114 P. Br. Report
 Proceedings of the Madras Government
 Read the following:-

From the Inspecting Engineer
 for Ports & Communications } (H.B. No. 759 dated
 28 March 1874)

The information
 afforded in this letter
 will be recorded, and the
 expenditure already in-
 curred under the authority
 of G.O. No. 3002 dated 18th
 December 1872 admitted.

The Controller will
 take steps for having the
 unused Limb Stone and
 Crinoid brought on to the
 Stock Returns and duly
 accounted for as utilized.
 It is presumed that care
 is taken that the boat
 is

S. P. Br. 1874. P. Br. Report
 of the Inspecting Engineer
 for Ports & Communications
 28-1873

The Inspecting Engineer
 for Ports & Communications

Madras

28-1873

[Faint, mostly illegible handwritten text, likely bleed-through from the reverse side of the page.]

is kept in service in
condition. No further
outlay should be in-
curred without estimate
and specific sanction.

C.M.W.

[Faint handwritten notes]

To Inspg Engr for Causid ✓
" Controfler ✓
" D. E. Malabar ✓
" Marine Dept ✓
1. Copies despatched to all 9/5/74.

429-431.

P. W. D.

Proceedings of the Madras Government,

Under date the 187

Read the following:-

From the Inspecting Engineer
for Ports & Communications

(H.B. No. 259 of 28th
March 1874)

The Inspecting Engineer
does not explain how it is
that Rs 224 were spent
on boring operations on the
Bar at Leochin, when the
necessity for such work was
distinctly disavowed in the
order granting funds for
preliminary expenses in
connection with the project
for

In the above Para Mr
intended as an expla-
nation. It was done at
Robertson's suggestion
and not accept the
explanation as such.
Para 11/4 Mr

461

for improving the Harbour.

The Controller will
take steps for having the
unused lime stone and
cement brought on to the
Stocks Returns and duly
accounted for as utilized.

It is presumed that care
is taken that the boat is

kept in serviceable condition

so far the, ~~effort~~
should be in

service without

estimate and

specific sanction

from

information

provision

with

instructions

—

1893



Govt. of Madras.

PUBLIC WORKS.

To

The Insp. Engr
for
Public Works.

Dated

Recd.

Encl.

G. O. 30th 7/26, No. 1121

No. 429-431.

Harbour at Cochin

Letter from the Insp. Engr.
for Ports and Com.
munications affording
information regarding
the actual expenditure
incurred in connection
with the preliminary
experiments of the
Harbour works, recorded
with instructions —