

(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.

B.P. No.

3461

Press

Mis.

Dated

7-12

6875

195

Not to be folded or roughly handled

N. 11 on Calicut Range of 1870
N. 415. Calicut 9th November 1870

From

The Supervisor in charge
Calicut Range.

To

The District Engineer
Moulabar.

Sir,

As directed in J. O. N. 1590
dated 5th June 1870, I beg to submit a
Survey and Cross Sections of the sand
bank and Sea wall connecting the
Rocky Islet with the main land at
Beypore as it stood on the 15th October 1870.

I have also shown the Section
of the bank as it stood in December 1870
so that the action that has taken place
since the construction of the wall may
be plainly seen. The sand bank has con-
siderably increased. For while in Decem-
ber 1870 and again in January 1870 - the
average breadth of the bank was 120 feet
and 2 feet above low water. On the 15th
October of this year when the sections
were submitted were taken the sand
bank was ~~and~~ is now 200 feet broad
on an average and an average height

of 4 1/2 feet above low water. The sea wall is "intact" at both ends but in the middle for a length of 450 feet owing to the action of the water during the monsoon and the reflux of the waves having dragged back the sand from under the stones (which are from 9" to 18" cube) in the wall caused the wall to sink into the sand. I believe that none of the material is lost as I have examined the line and found stones at a depth from 6 inches to 3 1/2 feet this will form a good foundation in the sand for the stones now proposed to be laid so as to restore the sea wall and keep it above high water mark.

An Estimate for Rs 1080 with specification is herewith enclosed and I beg that early sanction may be accorded to the work so that the work may be fully and satisfactorily completed before the next monsoon.

I beg to

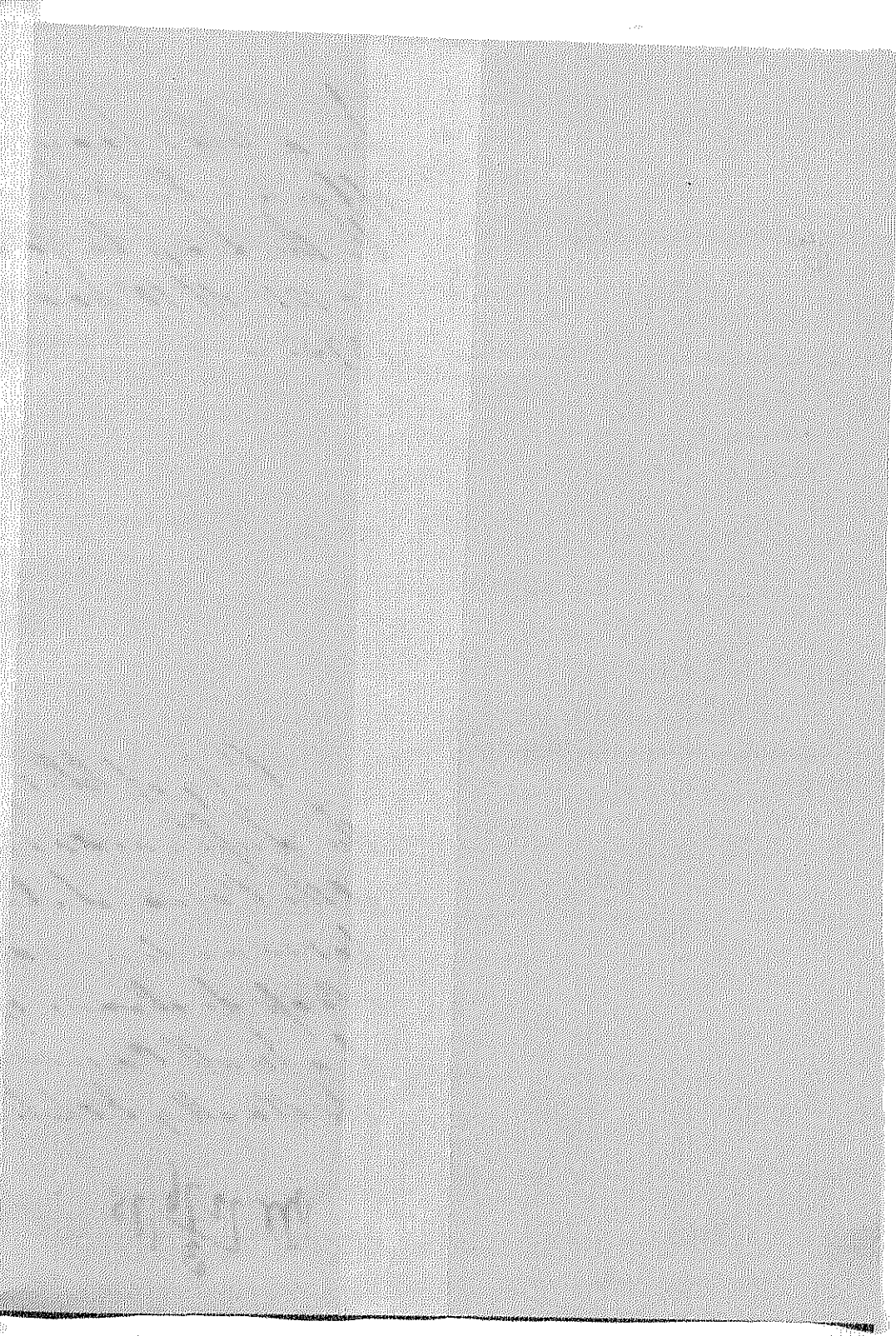
Signed / J. Lalor, Supervisor
In charge, Calicut Range.

True copy /

J. D. Lalor

Off. Dist. Engr. Malabar

By order of the
District Engineer
Malabar



Received by the
District Engineer
Malabar

807 Broadway
New York

Copy of letter from
the Supervisor in ch.
of the Calicut Range
for a road being a survey
& map section of the
Sea Wall connecting
the Quay, Sec't.

Pr. 2276/75

estimate of the probable cost of retoning the sunken portions of the
Sea wall at Keyport.

Taking
 measure of soft
 numbers
 length
 breadth
 depth
 Accounts

(Handwritten note at bottom left, partially cut off):
 Received from the Treasurer
 \$100.00
 as per check.

140	2	$\frac{1}{3}$	"	466 $\frac{2}{3}$ Cubic yds of latent boulders.	@ 12. ⁰⁰ yrd 816.00
280	"	"	"	Gabions	@ 1 " ⁰⁰ " each 280. "
80	$1\frac{2}{3}$	$\frac{1}{3}$	"	89 Cubic yds of latent boulders (raining)	@ 12. ⁰⁰ yrd 155.12
					Total
					1252.68
					Remains & superintendence @ 10 percent.
					127.94
					<u>Total Amount of Estimated Expenses.</u>
					13

No II of Calicut Range Office
Calicut 9th November 1893

David MacCallister

Robert

Supervisor D. W.
Exchange Cabint Range

offg. st. Enge Kalkb.

Specification to accompany Estimate
for restoring the sunken portions
of the Sea Wall at Buzpore

Amount of Estimate Rs. 1380-4-4

The line of wall between Cross
Sections 6 to 20 for a distance of 420
ft in the middle to be restored with latite
blocks from 2 to 3 Cubic Feet each. In the
event of these blocks not being procurable
of such dimensions, the stones to be
packed in a double row of gabions fixed
in the wall 5 feet long and 3 feet diameter.
These gabions will hold the stones in
position until the Monsoon has passed
by which time the isthmus will
be securely formed

From Section 20 to 28 to be restored
& made up one foot above high flood mark
the Estimate provides for this & the stones
used to be of the largest procurable up
to 3 Cubic ft each stone.

Just Before the setting in of the next
Monsoon both sides of the isthmus
should

offg. of Engineer's Office

Quantities
466 3/4
280
89
No 2
Calc

Should be planted with screw pine and
Indian cotton.

No 2 or Calicut Range Office
Calicut 9th November 1875

Chacod Superintendent
In Charge Calicut Range

D. D. Davis
Offy. St. Engineer to Calicut
10th November 1875

Abstract Estimate of the probable cost of restoring the broken portions of the
Sea wall at Poyboor.

Quantities	Particulars	Rate	per	Article	Work.	Amount
466 ³ / ₄	Cub. yds of latente boulders.	@ 1 12.	yd.	816	108	
280	Gabions	@ 1 "	each	280	"	
89	Cubi yards of do (raising)	@ 1 12.	yd	155	12 "	
		Total		1252	68	
	Landris and Superintendence @ 10 pcent			127	94	
	Total Amount of Estimate			1380	"	

No 2 or Calicut Range Office
Calicut 9th November 1875
D. D. Davis
Offy. St. Engineer to Calicut
In Charge Calicut Range
Superintendent D.D.W.

Malabar Dist. Engrs. Office
Calicut 10th November 1895

From
The Offg. District Engineer,
Malabar.
to
The Secretary to Government,
Public Works Department,
Madras.

Sir,
In conformity with instructions contained in G.O. No. 2 dated 2nd August 1895, I have the honor to forward herewith the survey plan and sections of the sea wall from the rocky island to the main land at Beypoor, submitted with a report by the Calicut Range Officer, and before submitting these papers I have carefully examined the work on the spot. I have also carefully watched the action of flood and tide water on it from time to time since the monsoons set in and I feel justified in stating that if the sea wall has not fully accomplished all that was expected of it, it has at all events

In a letter from the
District Engrs. Malabar
to the Secretary to
Govt. M. S. M., Calicut,
No. 121 of 10th November 1895

20-7-1895
No. 95

Received at
Beypoor and
District Engineer
for restoring the
damaged portions
of the sea wall at
Beypoor.
20-7-1895
19th 12/16/95
4

events acted beneficially, as will
be seen from the sections and sur-
vey submitted with the Range
Officers' report. The average width
has increased from 120 feet to
200 feet, and the average height
above low water from 2 feet to
4 1/2 feet, and although for a
distance of 420 feet or 140 yards,
the stone wall has mostly dis-
appeared, it still remains in
tack on both ends, and the stone
has not been lost over the sunken
portion, but has subsided into
the sand as pointed out by the
Range Officer in his report above
cited, and he therefore recom-
mends the restoration of this
portion having now a secure
foundation to go upon, the stone
is not likely to sink much more,
the sinkage taken place was clear-
ly anticipated by the Chief Engi-
ner in his Memorandum No 283
dated 21st April 1874, and I
therefore have no hesitation in
recommending for sanction the
Estimate now submitted by the
Range

Range Officer amounting to Rupees
1580, for the restoration over the
sunken portion and the making
good all the deficiency in the
section over the remainder of
the isthmus or neck of sand
connecting the reef of rocks with
the main land, and if approved
I beg that early sanction may
be accorded as I should like
to put the work in hands
so as to complete it early in
February - if funds are not
available in this official year
and sanction be accorded,
I can have the work done and
pay for it after the first of
April in next official year.
I have the honor to be,

Sir,
Your most Obedt. Servant,
J. D. Harris
Offg. District Engineer,
Malabar.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Under date the

7 Decr 75.
Read the following:—

From
The Dy. Dist. Engineer
Malabar

A Sumd Rs 900
was granted in Public
Works Order No 17/5
of 16th June 1874 for
Deposit of 540 Cubic
Yards of Laterite
Rubble for connecting
the fire Ry inlet of
Koyppore with the
land.

2. This was increased
by Op. No 12 11/2 of
24th April 1875
to

4000 yds of rubble 162 tons
" 17 1/2 " 21-22-
" 27 1/2 " 649-652
" 5 fms " 110-141
" 20 fms " 2 fms

1875 Report
of the Dy. Dist. Engineer
Malabar
No 1276
of the 20th April 1875
Government of Madras
Madras.

2/12/75

Noted 11/12/75
No 1323 of 1875.

1. Survey
2. Estimate of Rs 15
to be paid for rubble
to be deposited on the
land.

When it will connect
the fire Ry inlet with
the land at Koyppore.
The estimate of Rs 15
for meeting the
land.

of Rs 10 No 3461. 7/12/75
X returned to the
Dy. Dist. Engineer
Malabar
No 3022 of 3461 of
7th Decr 1875

2/12/75

to Rs 1600 for deposit
of 895 Cubic yards
of Stone; which was
stated to have been
all laid down by
the 5th May. And the
Accounts show the
outlay to have been
upto March 1875 Rs 873-4-6
July and October - 1725-10-8
Rs 1898-11-2

3. It is now reported
to be desirable to
add some 576 Cubic
yards of Stone to the
mass already deposited,
to make up the
settlements to a
uniform level of
at

at least one foot
above High Water
mark. And as the
object of the work
may be deemed to
be in process of
gradual attainment
by the means adopted,
His Excellency the
Governor in Council
sanctions the allocation
of an additional
sum of Rs 1070, which
is the amount of the
estimate submitted,
less the charge for
labours, the need of
which, as implying
that of small sized
stones.

Stones, cannot be
approved.

As the whole of the
surveys and sections
that have from time
to time ~~been~~ been taken
will be returned to
the District Engineer
in order that the obs-
servations of December
1873, August 1874, and
October 1875, may be
recorded on one
sheet showing the
comparative state
of the river of open-
ings at different
dates in one view.

G.M.

Desp. - 18-12-75-

Marine Dept

* List of the Malabar
returned is attached to the
p. 2-12-75

Enclosures return of to the

St. Eng. Malabar with G.O.

No. 3461 - 7th December 1875-

Cross sections of the spit of sand
connecting the Rocky Islet with
the Mainland at Beypoor
taken in Decr 1873-

Survey of the Rocky Islet & spit of sand
connecting it with the Mainland at Beypoor
surveyed at Low Water on 15th Oct/75

Longitudinal section from Mainland
to Rocky Islet at Beypoor taken on the 18th
August 1874

Survey of Beypoor River taken by
Capt. Selby in 1855

Section II II on survey taken in Novr 1873

Longitudinal section from Mainland to
Rocky Islet C-D on survey taken in
Decr/73

do - do A+B taken in Janry
1873-

All on one sheet

Sections across the sea wall connecting
the Rocky Isles to the main land
at Bayford -

1895-96

7276

COLL. OF 1875-76
PUBLIC WORKS.

Dist. Engr
Malabar.

Date

Page

Vol.

Dist.

Dec 31/76

Non. 1/2-1/2

Rocky List. An additional
outlay of Rs 1070 for restoring
the broken portions of the
sea-wall connecting the
and Mankand at Kaypore,
Sanctioned.