

(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.	(P 23) (W)	Press Mis.
	1209	
Dated	10-3-74	1877.

Not to be folded or roughly handled

15

*Proceedings of the Madras Government, Public Works Department,
* 10th March 1877. No. 825.*

Read the following papers:—

No. 240. Read the following endorsement of the Chief Secretary to Government, Marine Department, dated Fort St. George, 3rd March 1877, No. 517:—
From J. H. TAYLOR, Esq., Lieutenant, R.N.R., Master Attendant, Administrative Department, Madras, to the Chief Secretary to Government, Marine Department, Fort St. George, dated Madras, 2nd March 1877, No. 1,548.

I HAVE the honor to report, for the information of His Grace the Governor in Council, that the Master Attendant, Calicut, reports an encroachment of the sea at that port, endangering the inner section of the pier and the northern boundary pillar. The District Engineer has been communicated with on the subject.

TRANSFERRED to the Public Works Department.

(Signed) W. HUDLESTON,
Chief Secretary.

No. 240-A. Telegram to the District Engineer, Malabar, Calicut, dated 7th March 1877.

MASTER Attendant reports serious encroachment of sea at Calicut. Report at once. Submit Survey. Take precautions immediately necessary.

No. 240-B. From Lieutenant-Colonel R. B. KENNEDY, District Engineer, Malabar, to the Chief Engineer, Roads and Buildings, dated Camp, Manantoddy, 3rd March 1877, No. 239.

I HAVE the honor to forward an original letter* from the Master Attendant, Calicut, dated 28th ultimo, No. 226, and to state that ever since the monsoon the sea has been encroaching to north of the Calicut Pier, and the damage caused thereby will be serious if no measures are taken to protect the shore within the next three months.

From R. K. GAILAN, Esq., Master Attendant, Calicut, to Lieut.-Colonel R. B. KENNEDY, District Engineer, Malabar, dated Calicut, 28th February 1877, No. 226.

I HAVE the honor to bring to your notice that the inner part of the pier and the pillar on the beach denoting the northern limits of the port of Calicut are in great danger of being undermined by the sea, which has within the last few days washed away a considerable portion of the foreshore, I therefore beg that early steps may be taken to secure these works.

No. 241. ORDER THEREON, 10th March 1877, No. 825.

CIVIL WORKS, No. 25.

RECORDED, pending the further report called for from the District Engineer, who will state whether, in his opinion,

*Proceedings of the Madras Government, Public Works Department,
10th March 1877. No. 825. **

changes such as that now reported, which will probably from time to time occur, are likely to cause any material loss to Government.

(True Extract.)

(Signed) W. FAREWELL, Colonel,
Ag. Joint Secy. to Govt., P.W.D.;

Roads & Buildings

No. 247.

Malabar District Engineer's Office
Calicut 16th March 1877.

5

From,

The District Engineer
Malabar

To,

The Chief Engineer
Roads & Buildings
Madras.

Sir,

Reference G. O. No. 825 of 10th Instant.

With reference to above I have the honor to state that Estimates are being prepared for constructing 3 Timber Groynes to prevent encroachment of the Beach at Calicut which will shortly be forwarded with the required Survey.

I am decidedly of opinion that unless checked encroachments will continue with great probability of destruction to the present Custom House, and that the beach line will ultimately arrive as far as the Lepur Hospital.

I have the honor to be

Sir,

CD 20

P.W.D.

14th 377

No. 2753

From

The District Engineer
Malabar

No. 14-2-77.

C.E. Memo No. 729 of 17th March
The reply to your letter
must be over a week
report called for in
G.O. 825 is received.

For H. L.
C. E.
B. H.

407: April 17/77 J. B. No. 209
K. M. W.

As 15. 3. 77

Si,
Your most obdt. Servant
W. H. Kennedy Lt. Col.
District Engineer, Malabar.

W. H. Kennedy

W. H. Kennedy
District Engineer

W. H. Kennedy
District Engineer

W. H. Kennedy
District Engineer

W. H. Kennedy
District Engineer

W. H. Kennedy
District Engineer

W. H. Kennedy
District Engineer

Sp. 125 10/3.77.

Roads and Buildings

P.W.D.

1911/77

No. 2945

From
The District Engineer
Malabar

No 247.

Dated 16 March 1877.

No. of Enclosures ..

Encroachment of the
Sea at Calicut Beach

Report that an
Estimate for 3 Timber
Groyves and survey will
be sent shortly, and state
his opinion regarding the
Encroachment.

Ld 67 April 77 No. 20915.

R 7-6-77

Can 20/3/77

Roads & Buildings

No. 250

Malabar District Engineer's Office
Calicut 17th March 1877.

From

The District Engineer
Malabar

To

The Chief Engineer

Roads & Buildings
Madras.

Sir,

No 1608 -

I have the honor to forward
Plan, Estimate and Specification for
3 Timber Groyves to secure the Beach
opposite to the Calicut New Customs
House from encroachment of the Sea,
and that building from risk of
injury thereby.

A Survey is herewith for-
warded which will show the present
line of beach, and also a statement
giving the differences between August
1876, and January 1877. Except in the
part particularly noted in the
Survey, the condition of the beach
is so little altered from what
it was on the last of those two

dates

dates, that it cannot be shown in any survey, the only difference being that the beach has taken an easier slope.

3 It is remarkable that the sitting up at the Pier went on when there was scarcely a ripple on the water, and the encroachment is proceeding now when there is no sea to account for it, in fact these changes in the Beach take place so suddenly, and with so little apparent cause, that it is very difficult, if not impossible, to predict what will happen. One thing, however, is quite clear, that although at one time the Beach sits up extensively in one spot falling away in another, and the process very soon afterwards being directly reversed, so far as the two places are concerned, this is a steady, and considerable encroachment going on, and unless it can be checked, it is beyond question that not only will the New Customs House soon be in danger of being destroyed

destroyed, but the sea line will probably be extended some distance to the rear, and North of it.

4. With regard to the Pier, within the last month five feet of sand has been scoured away at the present first row of piles, and this scour has of taken place more or less out to the 6th row where it ceases.

5. I have only to add that if measures are to be taken to secure the beach no time must be lost, and either my proposal, or some other that may be more approved, should be at once sanctioned, and I shall also be obliged by its being particularly named from what funds the cost is to be provided.

I have the honor to be
Sir

Your most obt. Servant

Wm. B. Newman Esq.
District Engineer, Malabar

10/2/77 Rs 825

Roads and Buildings

From District Engineer

Shadabadi.

22 MAR 77

NO 3077

No 250.

Dated 19th March 1877

Enclosed is ¹/₂ X
taken by Mr
Upshun for Coll
Forewell
Grognes at Calicut
Beach.

Foreward Estimate of
Rs 1608 for Constructing
3 Trunked Grognes.

90722 April 11 1877 Rs 2092.

R-7-4-77

Car 24.3.77

No 839- of 28th March 1877
Copy of Telegram.

13

Liam headas - S. Calicut.-
headas not to - of the headas

Report by return Port value of
new Custom House and all other Govt.
building likely to be destroyed by sea
encroachment, cost also of dismantling
them and saving materials.

By H. Farewell full
By J. Secy. & Govt.
P. H. D.

27th March 1877.

H. A. Farewell

one of the headas

No 1 B

Malabar District Engineer's Office
Camp Lackadie 1st April 1877

From

15

The District Engineer
Malabar

To

The Acting Chief Engineer
Roads and Buildings
Madras.

Sir,

Absence from Head Quarters has prevented an earlier reply to your Telegram of the 27th Ultimo, and I now send reply from report by Calicut Range Officer, to whom, in my absence, the requisition was referred.

2. The value of the Block of Buildings constituting the New Custom House at Calicut is Rs 40,000, and the cost of dismantling and storing the materials would be about Rs 8,000.

The value of the Pier is Rs 64,000, and estimated cost of dismantling, about Rs 4,000.

3. I think it right to add that the above by no means represents the extent of the loss and damage that may be expected, if the encroachment of the sea is not checked, to the North of the Custom House, as far as the creek shown in the Survey

C.E. No. 839 of 28 March 77

g1

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407: April 77 No. 209

Survey; the ground has a fall from the crest to-
wards the Leper Hospital, and town beyond; and
to me there appears little doubt that ultimately
all that low lying part of Calicut would suffer;
moreover all along the shore where the encroach-
ment is going on, there are plantations of Cocoa
nut trees, representing property of considerable
value, which are being gradually destroyed as the
Sea advances.

4. I must again represent most strongly
that the approach of the Monsoon renders early
decision imperative.

I have the honor to be
Sir

Your most Obedient Servant

W. B. Kennedy Lt. Col.
District Engineer, Malabar

READ the following:—

Letter from the District Engr. Malabar
No. 250 dated 19th March 1877.

FOR ORDERS.

In reply the present suggestion
is as correct as a judgment can
be devised -

but the main question is whether
Govt. intend to undertake the
maintenance of a permanent
line of beach - what will
be done by letting the sea
take its course & assuming
its dominion over an accreted
alluvion - In such case the
appearance of the shore it probably
is -

Just as you see Pier &
curtain line - I remember
not some months since. The
necessity of deciding & what

W. H. M. Colonel

Adj. Gen. Secy: to Govt. P.W.D.

Shd be done with the pier
removal. or maintenance
or transplanting - If the
1st or 2^d be decided - station
cannot not be very likely the
sea action on beach will be
changed -

My own impression is that
that the additional support
of pier & curtain. However
was unsuitable to the local
currents & conditions

From
the D. C. Malabar.

Dated 1st April 1877

S. B.

Regarding the
cost of dismantling the Calicut
Pier.

4. 07 April 77 No. 2093

R. D. 47

FOR ORDERS.

Mr. John. Sub. for.
purpose is undiminished
Wm. W. Thompson.
opinion is valuable as
I immediate measures
if they are to be adopted.
L.H.

P. W. DEPARTMENT.

Read the following:—

Telegram from the District Engineer, Malabar,
dated 14th March 1877

FOR ORDERS.

There are a few
papers in the
within a few days
I have no fault
in the survey. I
see one error in the
ground plotted as shown
with the centre of putting
it —

W. H. M. Colonel

By H. Lee & Sub. Mr.
Railways & Lands Branch.

a further report seems
due. I will wait for it.

L.H. 16/3

FOR ORDERS.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the

~~Read the following:-~~

Telegram from the Dist. Engineer } (H. E. of 14th March 1877)
in P. W. Dept. } H. E. No. 825 of the 10th March 1877
Letter from the Dist. Eng. Malabar } (H. E. No. 247 of 15 March 1877)
do do do } (H. E. No. 250 of 19 March 1877)
Telegram to " } (H. E. No. 1. B of 1st April 1877)
Letter from - do - do

His Grace the Governor
in Council having carefully
considered the papers before
him is of opinion that the en-
croachment of the Sea at
Calicut, being due to the ab-
normal condition of the
seasons during the past two
years, will in all probability
with a return of seasonable
weather cease, and the Coast
reform again. He is therefore
averse.

407th April/77 No 1209

62-15-3-77

averse to any immediate
expenditure being incurred
on protective works, and
directs the District Engineer
to have a vigilant watch kept
on the locality where the
erosion has taken place,
and to submit fortnightly
a survey on a large scale
delineating such changes
as may from time to time
occur, at the same time report-
ing such action as he may
deem indispensable to prevent
actual destruction of State
property

In reference to the removal
of the balustrade pier to a site
more suitable and convenient
for.

for the trade of the Port,
G.O. No 1208 of 7th April 1877 ²⁷ other orders have been passed
4.4.77

H. Hatcher SWS Drpd 7-4-77
Marine Dept
R. P. W. Drpd 3-5-77

103431, 87
30771
27/5/87
29/4/87

Govt. of Madras.

PUBLIC WORKS.

To The N. B. Malabar

Dated

Issued

Recd. (2)

Encl.

G. O., 7th April 1877, No. 1209

Nos. 209-210

Encroachment of the Sea
at Calicut.— The District
Engineer Malabar directed
to submit forthwith a survey
and maps delineating such
changes as may from time
to time be brought about
by the —

But in P. J.

11-48
taken for reference
retained 25/4/87

R

11-7-87