

G.O., No. 3193 W

DATED 8 Dec 1899.

[Despatch Abstract.]

Erosion at Kundapur, South Canara S.

Accepting the conclusions arrived at
by the Chief Engineer, P.W.D., that nothing
is needed at present to prevent the —

BACK PAPERS.

[illegible]

FURTHER PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

Public Works DEPARTMENT.

again
READ the following:—

G.O. No. 1732 N dated 7th July 1899.

Read also

Inspection notes by the Chief Engineer, P. H. D.
dated 7th November 1899.

Circulated to

334

ORDER.

His Excellency the Governor in Council accepts the conclusions arrived at by the Chief Engineers in his note above recorded.

(from order)

Ch
29.11.92

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T. &
B. &

Suptg. Engr: 10 Circles
Revenue Department
Marine Department

Desp
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H.S. the Governor

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Inspection Note by Chief
Engineer

7 Nov: 1898

Excavations at Kundapur.

Particulars of the excavations
indicated was -

The above statement is the
most fitting commentary
I can make on this matter.

The correspondence on the
subject has commenced
by Capt. Street making a
report on information
received second-hand,
he himself not having
landed at Kundapur.
It was continued by the
Collector & his District
Board Engineer who both
ascertained the reasons for
Karnata's project, & to
the faulty position of
some projects erected by
the P.W.D.

2. I have inspected the whole
of the morning,
the following are the
facts of the case -

(a) Karantais grove is situated on the left bank of the river about $1\frac{1}{2}$ miles from its mouth. It was originally about 30 feet high, but has now been ^{largely} removed. To say that it would have any possible effect on rising $1\frac{1}{2}$ miles away is probably the most absurd misstatement that has ever made, excusable in the collector because he cannot be supposed to know anything about groves or their action, but quite incomprehensible in the part of an Engineer of, in the collector's opinion, undoubted practical ability! It would be equally true to say that the scratching of a mouse could injure the dome of St. Paul! Karantais grove may therefore be dismissed from the ~~the~~ ^{our} minds.

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(b) There is in the S.W. of the grove left, in its vicinity, the remainder having been wholly or partially destroyed. It was constructed 3 years ago to stop erosion at the Custom House, & has done undoubted good. The accretion of sand on both sides of it being considerable.

(c) There are no present signs of erosion, that which took place during the S.W. monsoons having again silted up. The Port Officer has had careful measurements taken of the distance of high water mark from 5 fixed points on the beach. That distance has been constantly increasing since the monsoon closed. Today those distances were somewhat less than they were on the last occasion, but this is due to the

fact that last night has
a spring tide, & the tide
on the last occasion has
a neap -

The erosion is due ^{here} to
everywhere else in this
coast, to the harmonic forces
at work at different
times of the year. During
the S. W. monsoon, high
winds & heavy seas
from the westward, high
floods & ~~has~~ strong
currents in the river
cut together or alternately
attack the unstable
beach & wash it away.
During the remainder of
the year, unless some
special cause is at work,
the beach recovers
gradually its original
width. This effect has
taken place annually
sometimes in greater
sometimes in less degree.
The greatest proof that
the erosion has not

been continuous, lies in the
fact that between the
Custom House & the sea
embankment, there runs a dis-
-trict Board Road, which
has, according to the evidence
of an aged inhabitant,
been in the same condition
for 30 years. The side of this
road facing the embankment
is protected by piling
drives 10' deep ^{backed by} planking.
Both piles & planks are
now almost buried in
sand, & during the height
of the monsoon when the
erosion has at its
maximum, there has been
more than 3' of them
exposed. This piling
extends round a large
banyan tree which stands
in front of & has shadowed
the Custom House. It
would have been useless
so as to protect a house
which stands facing the
sea to the North West of

the Custom House, & which
is the infirmary I said
whose foundations are in
present danger of being under-
mined by the sea, but
the owner objected,
saying he preferred things
as they are!

(d) There has undoubtedly
been erosion on the
seaface to North West,
& West (the Custom House
faces about South), &
a number of coarse sand
trees are here said to
have been washed away.
But no houses exist
here beyond the one
above mentioned, &
this erosion does not
affect them. No remedial
measures are needed
here.

3. The conclusions I came
to, after my inspection,
a conclusion with which
the Capt. by Mr. Barrett,
& the Port Officer, Mr. Brown,

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fully concurs, the latter with
full knowledge of the place
which he frequently visits,
is that nothing whatever
is needed at present.

The custom house & ~~warehouse~~
adjacent buildings are
well protected at present
by the P.W.D. grove, by
the sheet piling (also put
up about 2 years ago by
P.W.D.), & by a beach of
shingle lying at a very
flat angle. If the grove
is destroyed, & the sheet
piling undermined, it
will be necessary to
replace the latter by a stone
revetment 15' deep, 8' wide
at base, & 3' at top, with
bells, extending from the
grove N.W. for a distance
of 600 feet. This is to protect
the private houses which
depend on this bank of
Ganeshi village. This
work cost at Rs 15 per
100 cft. Rs 7500. But there

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are no present signs that
it will ever be necessary.
I think the owner of the
house above
alluded to will expect
some day that he will
not allow the street piling
to be driven round his
house, and if his house
is undermined it will
be necessary to continue
the piling in the general
interests, whether he
likes it or not - At present
the house ^{itself} acts as a protection
to the other buildings ~~along~~
& nothing is needed.

L B Chilton
7.11.99. Coondaloo
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Submitted to the Council
in order

L B Chilton
7.11.99

Transcript of the Council's conclusion. The matter
may be referred to the Council.

27.11.99