

- (1) பக்கங்களின் எண்ணிக்கை 38
 (2) புதுக்கித் திருப்பிய நாள் 17.2.92
 (3) ஆதாரக் குறிப்பவர் சுருக்கொப்பம்

தமிழ்நாடு ஆவணக் காப்பகம்.

தமிழ்நாடு அரசு

P.W. துறை

அரசாணை எண். மு. கோப்புத் தாள் எண்.	3260 P.W.D	அச்சகம் பலவகை
நாள் :	15-12-1893	199

மடிக்கவோ கண்டபடி கையாளவோ கூடாது.



3260
1

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following papers:—

From G. D. WYBROW, Esq., Superintending Engineer, I Circle, to the Chief Engineer, Public Works Department, dated Dowlaishweram, 15th November 1893, No. 1928 G.D.

With reference to your endorsement No. 3560 C., dated 1st November 1893, on letter No. ⁶⁹⁵/₂₀₉ P.W., dated 25th October 1893, from the Presidency Port officer, I have the honour to forward an estimate, amounting to Rs. 43,500, for extending the northern arm of the Cocanada groynes in lieu of my approximate estimate, dated 11th November 1892.

2. Since preparing the approximate estimate for this work, the shoal north of the groyne has extended considerably, and the estimate now submitted allows for extending the northern arm for 2,000 feet, or 350 feet beyond the original proposal.

3. The extension now proposed will, I feel convinced, prevent in a great measure the shoaling up of the entrance of the channel which is now going on at every tide. To what extent this shoal may in time advance it is impossible to predict; but if it does in course of time extend, I believe its advance will be very gradual.

4. I may be allowed to point out that I do not feel at all sure but that it may eventually be necessary also to lengthen the southern arm, so that the scouring action by floods during the north-east monsoon down the Cocanada river may be effected for the whole length of the channel as far as the groynes extend. With the extension only of the northern arm, the scouring action will probably cease at a short distance beyond the end of the southern arm.

5. With reference to the conveyance of the stone to the site of the groyne, I have allowed in the estimate for its conveyance either by rail or by canal. I am inclined to believe that the stone can be best conveyed by canal; with twenty-five 20-ton boats working daily, the stone can be conveyed in 43 days. In this case the provision in the estimate for siding, branch line, widening the groyne, will not be required.

From the same officer, dated Dowlaishweram, 15th Nov. 1893, No. 1929 G.D.

With reference to paragraph 2 of G.O., No. 2759 W., dated 27th October 1893, I have the honour to inform you that I have revised the estimate for the extension of the Cocanada northern groyne. The amount of the estimate is Rs. 43,500.

2. From the Government orders already received on the subject, it is not clear by which department the work is to be executed.

3. The original groynes, as well as the previous extension, were carried out by the Marine Department. The work was carried out well, and the groynes are now in excellent order. I would respectfully beg to suggest that it is on every ground advisable that the work should be carried out by the Cocanada Port Trust.

Office-note from the Marine Department, dated 6th December 1893, No. 2164.

ORDER—dated 15th December 1893, No. 3260 W., Public Works.

The estimate of Rs. 43,500 submitted by the Superintending Engineer, I Circle, for extending the northern arm of the Cocanada groynes is approved.

His Excellency the Governor in Council agrees with the Superintending Engineer that it is on every ground advisable that the work should be carried out by the Górávari District Ports Conservancy Board by whom the existing works were executed, and the plan and estimate will accordingly be forwarded to the Board for the necessary action.

(True Extract.)

Major, R.E.,
Under Secy. to Govt., P.W.D.

To the Marine Department, with nine enclosures
and original Proceedings No. 374, dated 18th October 1893, returned.
,, Superintending Engineer, I Circle.

Exd. C. A. Munisawmy.
Spare Copies

2
3260

BUILDINGS AND ROADS.
CIVIL WORKS.

Gobt. of {1893} Madras.
PUBLIC WORKS.

Dated December, 15th.

Recd.

Enc.

G.O., 15th Dec. 1893, No. 3260 W.

DECEMBER.

Cocanada Groynes

Estimate of Rs. 43,500 for extending the northern arm of the —, approved and forwarded to the Gódvári District Ports Conservancy Board for execution.

No. 1928 G. D.

FROM

G. D. Wybrow Esq
SUPERINTENDING ENGINEER

3260
3

FIRST CIRCLE.

TO

THE CHIEF ENGINEER

PUBLIC WORKS DEPARTMENT.

DOWLAISHWERAM, 15th November 1893.

Enclosures. 8
1 Chief Engr's endorsement
no 3560 C. on Presidency Port
officer's letter
1 Copy of G.O. no 357 (marine)
5-10-93
Original estimate
—do— specification
Survey plan on
tracing linen.
Revised estimate
Detailed statement.
Revised specifi-
cation.
1 Data

With reference to your endorsement
No. 3560 C. dated 1st November 1893 on letter No. 695 P. 207
dated 25 October 93, from the Presidency Port
Officer, I have the honor to forward an
estimate amounting to Rs. 43,500 for extending
the northern arm of the Cocanada groyne,
in lieu of my approximate estimate, dated
11 November 1892.

2. Since preparing the approximate esti-
mate for this work, the shoal north of the
groyne has extended considerably, and the
estimate now submitted allows for extend-
ing the northern arm for 2,000 feet, or 350 feet
beyond the original proposal.

3. The extension now proposed will, I
feel convinced, prevent in a great measure
the shoaling up of the entrance of the channel,
which is now going on at every tide. To what
extent this shoal may in time advance, it is

impossible^{to} predict, but if it does in course of time extend, I believe its advance will be very gradual.

4- I may be allowed to point out that I do not feel at all sure but that it may eventually be necessary also to lengthen the Southern arm, so that the scouring action by floods during the N.E. Monsoon down the Coacanada River, may be effected for the whole length of the channel, as far as the groynes extend. With the extension only of the Northern arm, the scouring action will probably cease at a short distance beyond the end of the Southern arm.

5. With reference to the conveyance of the stone to the site of the groyne, I have allowed in the estimate for its conveyance either by rail, or by Canal. I am inclined to believe that the stone can be best conveyed by Canal with 25 twenty ton boats, working daily, the stone can be conveyed in 43 days. In this case the provision in the estimate for siding, branch line, widening the groyne, will not be required.

I have the honor to be,

Sir,

Your most Obedient St

J. D. Brown.

Sup^r Eng^r 1st Circle.

4
3260

Ch
15/11

P. W. CURRENT No. 7856

FROM

G. D. Wybrow Esquire
SUPERINTENDING ENGINEER

FIRST CIRCLE.

TO

THE CHIEF ENGINEER

PUBLIC WORKS DEPARTMENT

DATED 15th

DESPATCHED 16th

RECEIVED 20th

November 1893.

No. 1928 G. D.

ENCLOSURES 2 9/11

SUBJECT.

Cocanada Groynes.
Forwarding a Estimate
of Rs. 43,500 for extending
the Northern arm of the

No. 1929 G. D.

FROM

G. D. Wybrow Esq
SUPERINTENDING ENGINEER

FIRST CIRCLE.

TO

THE CHIEF ENGINEER

PUBLIC WORKS DEPARTMENT.

DOWLAISHWERAM, 15th November 1893.

SIR,

With reference to para 2 of G. O. No. 2759 W dated 27th October 1893, I have the honor to inform you that I have revised the estimate for the extension of the Cocanada Northern groyne. The amount of the estimate is Rs. 43,500.

2. From the Government Orders already received on the subject, it is not clear by which Department the work is to be executed.

3. The original groyne, as well as the previous extension, were carried out by the Marine Department. The work was carried out well, and the groyne are now in excellent order. I would respectfully beg to suggest that it is on every ground advisable that the work should be carried out by the Cocanada Port Trust.

I have the honor to be,

Sir,

Your most Obedient Servant

G. D. Wybrow
Sup^r Engineer - Coast

15/11.

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3260.

P. W. CURRENT No. 9847

S. P. I. 500-18-2-14

FROM

G. D. Wytham Esquire
SUPERINTENDING ENGINEER

FIRST CIRCLE

TO

THE CHIEF ENGINEER

PUBLIC WORKS DEPARTMENT

DATED 15th
DESPATCHED 16th
RECEIVED 20th

No. 1929 G. D.

ENCLOSURES

SUBJECT.

Northern Gyrore at
Cocanada — Informing
that the Estimate for
the extension of the —
has been revised.

- No. 1306 W. 25-4-92 ✓
- " 2263 C. 28-4-92 ✓
- " 2262 W. 16-8-92 ✓
- " 2432 W. 31-8-92 ✓
- " 3912 W. 14-9-92 ✓
- " 4937 C. 24-11-92 ✓
- " 774 C. 26-2-93 ✓
- " 989 C. 3-3-93 ✓
- " 1128 C. 9-3-93 ✓
- " 2313 W. 8-9-93 ✓
- " 2520 W. 4-10-93 ✓
- " 2696 W. 24-10-93 ✓
- " 2759 W. 27-10-93 ✓
- " 3560 C. 1-11-93 ✓
- " 4018 C. 29-11-93 ✓
- " 4115 C. 2-12-93 ✓
- " 374 - 18-10-93 marine
orig

[G 73] P. W. CURRENT No. 10394

CHIEF SECRETARIAT,

Fort St. George,
6th December 1893

2164

OFFICE NOTE.

3260

7

From

THE CHIEF SECRETARY,

To

The Secretary to Government
Public Works Department.

Under the circumstances stated
in your office note dated 2nd instant,
I counterinitial the draft G. O., on
the understanding that the attention
of Honorable Member is called to
the original of G. O. No. 374 of
18th October last.

Redmehie

Chief Secretary.

His Secy

Submitted, with
draft order for approval.
Attention is
invited to the under-
mentioned papers

E. W.

in the file -

office note to the Chief

Secretary N^o 4018 of 29-11-93

office note from ditto N^o 2139

of 30-11-93

office note to ditto N^o 4115 of

2-12-93

original Proceedings dated

18-10-93 N^o 374 Marine.

DD

7.12.93

D.W.

P.W.D.

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8

Note for H.E. the Governor

As the Chief Engineer is satisfied
that the work can be carried out
by the Godaven District ^{Port} Conservancy Board
without the supervision of the D.P.W.
the estimate submitted is approved,
& the work should be put in hand
at once.

W
13 Dec.

The work is not difficult
expedition in carrying it
out is the principal
consideration. The stone
will be thrown in ^{to} L.W.M.
after that packed by
hand. The Superintending
Engineer reports that
similar work has been
well done by the Marine
Department and I see
no reason for doubting
that it can be so done
in future; the work is of
so simple a nature that
it would be difficult to
go wrong.

S
E.W.
11.12.93

Bt R
Civil works

PROCEEDINGS OF THE MADRAS GOVERNMENT.

3260
a

Read the following

From the S. E. I Circle (H.E. No. 1928 G.O. 15 Nov. 93)
do do (" " 1929 G.O. ")

Office note from the Engineer-in-Charge, No. 2164 of 6. 11. 23.
3. 11. 23.

If this work is carried out by the Conservancy Board as proposed, what assurance can the Chief Engineer give the Govt. that it will be properly done? It is a large sum to spend, without professional supervision.

The estimate of Rs 43,500 submitted by the Suptg. Engineer I circle for extending the northern arm of the Cocanada groynes is approved.

W.
8 Dec.

His Excellency the Governor in Council agrees with the Suptg. Engineer that it is on every ground advisable that the work should be carried out by the Godavari, Conservancy Board, by whom the existing works were executed, and the plan and estimate will accordingly be forwarded to

District Police

Public Works Department.

Current No. 9856

Letter No. 1933 C. 15.

Dated 15th November 1893

From the Super Engineer & Civil.

NOTE BY TECHNICAL SECTION.

Name of work. Extending the northern arm
of the Cocanada groyne. Cotonari Dist.
Amount of estimate Rs 43500

With reference to this office endorsement
no. 3560 C dated 1st Nov. 1893
the Super Engineer & Civil submits for
sanction an estimate amounting
to Rs 43500 for extending the northern
arm of the Cocanada groyne in
line of the approximate estimate
amounting to Rs 38500 returned
for revision.

The estimate now submitted
provides for extending the north-
ern arm for a length of 2000
feet or 350 feet beyond the ori-
ginal proposal. The section
proposed is 6 feet top width &
12 feet in height of which 2
feet to be sunk in the ground
& side slopes 1 1/2 to 1. The top
of the groyne to be one foot above
H. W. mark.

The rough stones are proposed
to be obtained from the quarries
in

3260
18

944

5.7/12 R.9/12

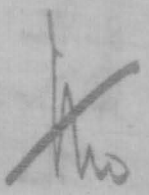
about $\frac{1}{2}$ mile from the railway
& $\frac{1}{2}$ mile from the canal & can
be reached either by canal or rail.

The stones to be thrown in up to
L. W. M. is 6 feet below top of
gorge & the above portion packed
by hand. The data rate of the
6-4-2 per 100 Cps provides for
carriage of the stones to site by
canal.

A lump sum provision of \$5000
has been made for laying a branch
line from the railway to the gorge.
This amount will not be required
if the stones are conveyed by boat.

The S.E. considers that the ex-
tension of the northern gorge now
proposed will prevent the shoals
coming up of the entrance channel.
He also suggests to extend the
southern arm in order that the
sweeping action by floods during
the monsoon down the Cocanada
river may be effected for the
whole length of the channel.

The S.E. in his letter W.P. 1929 G. 12
dated 15th inst. states that the
existing gorges were carried
out by the Marine Dept. & suggests
that the extension now proposed
may also be carried out by that
Dept.


28.11.23

10394
Cocanada Gorge

19
3260

CW^o 9849

COPIES OF 1853
PUBLIC WORKS.

16/12/33

15 Dec^r 3 3260W

Canada
groves.

=

Estimate of Rs 43,500

for extending the

northern arm

of the — approved

and forwarded

to the Godavari

District P.W. (Engineering)

Board for execution

10/11

1/1

INDEXED

15/12