

9612
Public Works (1896) Department.

G.O., No. 3357 W

DATED 23rd November 1896.

25/11/96

[Despatch Abstract.]

River & Harbours at Canada. Sanctioning
with remarks estimates aggregating Rs 74,400
for the extension of the — and directing the
Supt. Engineer to report the amount that can
be spent on the works during 1896-97 in view to
the annual deft being requested to provide
the necessary funds.

120
10

T.C.
23/11

INDEXED
24/11

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following paper:—

From J. C. LARMINIE, Esq., M.I.C.E., Superintending Engineer, I Circle, to the Chief Engineer, Public Works Department, dated Dowlaishweram, 21st October 1896, No. 247 C.

With reference to G.O., No. 2445 W. of 24th August 1896 (received 19th September 1896), I have the honour to submit two estimates for the proposed extension of the Cocanada river jetties (their proper designation).

2. Two estimates—the first providing for bringing both jetties to a termination on a line bearing S.E. or N.W. and so into a position, ready for any further extension which may hereafter be decided on. This involves an immediate addition of 200 feet to the north jetty.

Provision is also made in this estimate for clearing a 50-feet channel through the shoal at the river mouth to a depth of 3 feet below low-tide level.

3. Any additional depth below this level should, I think, be met as an ordinary dredging maintenance charge. By carrying out the work, as specified in paragraph 4 of the accompanying specification, it is hoped that some scouring action may, at an early date, be induced over the bar, but until the sand pump dredger has got to work no satisfactory channel can be opened out, even to 3 feet below low tide level.

4. As has been already mentioned in my report, the present difficulties would never, in all probability, have arisen, had not the northern jetty been extended 1,800 feet beyond the southern, and the question of removing part, at all events, of the northern wall more than once suggested itself, to be abandoned, however, for the proposal as now estimated for.

5. But for similar reasons, I would strongly advocate the execution in the first instance of only so much of the work as is provided for in the first estimate (Rupees 51,000) leaving the subsequent extension of 800 feet for future consideration when some further experience has been gained.

6. A tracing of the Port officer's survey showing the present condition of the river mouth is also forwarded. On it proposed work is marked by red dotted lines. A diagram of the soundings* from which the estimate has been prepared also accompanies. Great accuracy cannot be expected in either (*i.e.*, soundings or estimate).

ORDER—No. 3357 W., dated 23rd November 1896.

The undermentioned estimates, aggregating Rs. 74,400, for the extension of the river jetties at Cocanada, are sanctioned:—

	RS.
(a) Extending the southern and northern jetties at Cocanada by 2,300 and 200 feet, respectively	51,000
(b) Additional extension of the jetties at Cocanada by 800 feet each.	23,400
Total ...	74,400

2. The Superintending Engineer, I Circle, will report the amount that can be spent on the works during 1896-97, and on receipt of this information, the Financial Department will be requested to provide the necessary funds from the balance at the credit of the Cocanada port.

3. The general question of the enhancement of Port dues and of the amalgamation of Port funds is still under consideration in the Marine Department.

4. The proposal made by the Superintending Engineer in paragraph 5 of his letter is approved.

5. The countersignature of the Presidency Port Officer to the plans and estimates should be obtained before the works are put in hand.

6. The sanction accorded in paragraph 1 has been registered as Excluded Local No. 13 W. of 1896-97, and classified as Miscellaneous Public Improvements—Original Works.

(True Extract.)

Under Secretary to Government.

To the Superintending Engineer, I Circle, with seven enclosures.

- „ Examiner, Public Works Accounts.
- „ Revenue Department.
- „ Marine Department.
- „ Financial Department.

Estimates for the extension of
the river jetties at Cocanada.

No. 3357-2723 November 1896.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Read the following

From the Suptg. Engineer, I Circle, No. 247c of 21st October 1896.

The undermentioned estimates
aggregating Rs 74,400 for the
extension of the river jetties at
Cocanada are sanctioned:-

- (a) Extending the Southern and
Northern jetties at Cocanada
by 2300 and 200 feet respectively Rs 5,000
(b) Additional extension of the
jetties at Cocanada by 800 feet
each 23,400

Total Rs 74,400

2. The Suptg. Engineer, I Circle,
will report the amount that can
be spent on the works during 1896-7,
and on receipt of this information,
the Financial Department will
be requested to provide the necessary
funds from the balance at the
credit of the Cocanada Port.

3. The general question of the
enhancement of port dues and
of the amalgamation of Port funds

is still under consideration in the Marine Department.

4. The proposal made by the Suptg. Engineer in para 5 of his letter is approved.

5. The countersignature of the Presidency Port Officers to the plans and estimates should be obtained before the works are put in hand.

6. The sanction accorded in para 1 has been registered as Excluded Local No 13 W of 1896. 97 and classified as Miscellaneous Public Improvements, Original Works.

comd
10-11-96.

To
The S. I Circle with enclos.
" Secy P. W. Acct.
" Revenue Dept.
" Marine Dept.
" Financial Dept.

Public Works Department.

Current No. 9612

Letter No. C

Dated 21st October 1896

From the Superintending Engineer, I Circle.

NOTE BY TECHNICAL SECTION.

Name of work Extending the Cocanada river jetties.

- (1) Amount of Estimate Rs. 51,000.
(2) — do — do — " 23,400.

With reference to G. O. No. 2445W of 24th August 1896, the plans & Estimates have been prepared by the Supt. Engineer I Circle and Submitted to Govt. for Sanction.

The first Estimate for Rs. 51,000 provides for Extending the South Jetty from A to C (marked on the level sheet), a distance of 2200 ft, and the north jetty to 200 ft opposite C, and for excavating a channel with ^{50 ft} bottom width between the north & South jetties.

The Second Estimate for Rs. 23,400 provides for further Extension towards East of the north & South jetties from the point C to a distance of 800 ft.

The Specification which accom-
pangs the Estimate and the
Supt. Engineer's letter quoted
above explain fully on the
proposed works -

The rate for rubble stone work
is fair and that for Earth work
is a special one -

H.
5/11/96.

The Estimates have not been
counter-signed by the Presidency
Port Officer nor have they been
approved by the Marine Dept.

H.

The Estimates may be
approved on the Presidency Port Officer's
signature being obtained
C.H.W.
6-11-96.

The estimate may be submitted
H.
6/11/96

Orders are solicited as to whether
the recommendation made in para-
5 of the S. E.'s letter is to be approved.

H.
6/11/96

Public Works (1896) Department.

CURRENT No. 9612

Order

From J.C. Larminie Esq
M.J. Co
Supt. Eng. Port Office

No. C
247

Dated 21. 10. 96.

Received 26. 10. 96

Enclosures 7 (2 plans)

Spare copies

SUBJECT.

Proposed Extension of the
Cocanada River Jetty -
- Includes 2 Estimates and
Report and Specification for
the -

J.
for S. C. M. S.

C.H.W.
28/10

BACK PAPERS.

G.O.	No.	Department.	Date.
S.O.	2445W	P.W.	24-8-96

FURTHER PAPERS.

G.O.	No.	Department.	Date.

No. $\frac{C}{247}$

From

J.C. Lammie Esquire M.I.C.E.
Superintending Engineer
First Circle

To,

Chief Engineer
Public Works Department.

Encs: 5.

- 2 Estimates
- 1 Specific estimate & Report
- 1 Diagram
- 1 Training of local
- Port officers
- Survey

Sir,

5

Camp Dowlaishuram D/21¹⁰/₉₆

With reference to G.O. no: 2445¹⁰
of 24.8.96 (received 19th September 1896)
I have the honour to submit two estimates
for the proposed extension of the Coea-
-nada River jetties (their proper de-
-signation).

2. Two estimates, - the first
providing for bringing both jetties to a
termination on a line bearing SE or
NW, and so into a position, ready
for any further extension which may
hereafter be decided on. This involves
an immediate addition of 200 feet

to

to the North Jetty.

Provision is also made in this estimate for clearing a 50 foot Channel through the shoal at the River mouth to a depth of 3 feet below Low tide level.

3. Any additional depth below this level should, I think, be ~~not~~^{met} as an ordinary dredging maintenance charge. By carrying out the work as specified in para 4 of the accompanying specification, it is hoped, that some scouring action may, at an early date, be induced over the bar, but until the Sand Pump Dredger has got to work no satisfactory channel can be opened out, even to 3 feet below Low Tide Level.

A. It has been already mentioned in my report, the present difficulties would never in all probability, have arisen, had not the northern jetty been extended 1800 feet beyond the Southern, and the question of removing part, at all events, of the northern wall more than once suggested itself, to be

be abandoned, however, for the proposal
as now estimated for.

5. But for similar reasons, I would strongly advocate the execution in the first instance of only so much of the work as is provided for in the first Estimate (£51,000) leaving the subsequent extension of 800 feet for future consideration when some further experience has been gained.

6. A tracing of the Port Officer's survey showing the present condition of the River mouth is also forwarded. On it proposed work is marked by red dotted lines. A Diagram of the Sound-
-ings from which the estimate has been prepared also accompanies.

Great accuracy cannot be expected
in either. (i.e. Soundings or Estimate)

I have the honour to be,
Sir,

Yours most obed^t. Serv^t.

J. C. Merrill
Supg Engineer 1st Circl
24/10

Proposed work
is also shown -
by red dotted line