No. 321. Read the following letter from the Acting Superintending Engineer, 7th Division, to the Secretary to Government, Public Works Department, dated Camp at Cannanore, 15th December 1870, No. 203 :—

I HAVE the honour to submit the estimate required in paragraph 2 of G. O., No. 2,543, of 25th October 1870, for further protecting the coast of Cochin, amounting to Rupees 42,580.

1 Estimate, No. 18, Rupees 42,580.

2. Since my inspection of the place, in the beginning of October, the Range Officer reports, somewhere about 18 feet of beach, between the Vypeen point groyne and the Catholic chapel, has been washed away.

No. 322. ORDER THEREON, 19th January 1871, No. 153.

CIVIL WORKS, No. 22.

HIS Excellency the Governor in Council having received intimation of the arrival of the Engineer who has been appointed by the Secretary of State to examine and report on the Harbours of India, resolves to defer the consideration of the estimate submitted with this letter until that Engineer has been afforded an opportunity of inspecting the town and harbour of Cochin and of advising this Government as to the measures to be adopted for their protection.

(True Extract.)

(Signed) CHARLES A. ORR, Colonel, R. E.,
Secretary to Government.

To the Acting Superintending Engineer, 7th Division.

Ed. S. T. Augustin.

No. 189 1870/71

Probable Estimate for strengthening Sea defences at Cochin, Vide G.O. № 2543 of 25th October 1870.

Measurement L.	B.	D.	№	Contents	Particulars of Work	Rate			Per	Amount		
185	30	2		18500	Revetting Light House Bastion							
120	15	4		7200	Building back Grain № 9A to join main land							
1368	18	2		49248	Revetting N. Bank of River (Cypress)							
250	19	10		47500	Forming Grain № 12							
250	10	7		28000	——— Do ——— № 13							
100	19	10		19000	Extending Grain № 11 at Temple							
250	15	10	2	80000	Forming Grain № 14 & 15							
				249448	Total C. feet or 9239 C. yards rough stones at	1	4	"	Cy.	36956	"	"
185	30	10		55500	Making sloped backing for rev. Grain at Light House							
1368	3	15		6156	Do ——— Do ——— to revetment on Western or Cypress side							
				61656	Total C. feet or 2284 C. yards of broken laterite jelly @	1	"	"	do	2284	"	"
										39240	"	"
					Deduct value of 176 C. yards of stone on hand	3	"	"	do	528	"	
										38712		
					Add Superintendence Simdries and Contingencies @	10	"	"	cent	3868	"	
					Total Rupees					42580		

Cochin
7th December 70

Asst Engineer Palghaut Range

Lieut. Col. S.C.
Offg. Supdg. Engr. 1st Div.

No 203

From Subg: Engineers Office
1st Division
Camp Cannanore 15th December

To Lieut Colonel W. Faunce
Asst Adjt: General
1st Division
Presidency

Sir

I have the honor to submit the Estimate required in para 2 of G.O. No 2563 of 23rd Octr 1870 for further protecting the Coast of Calicut commencing with the S.W. monsoon of 1871.

2 Since my Inspection of the Batteries in the beginning of October the Ranges of Shot for the Garrison Guns have been ascertained and the Platforms for the Breach Batteries at Cochin and Tellicherry have been completed.

I have the honor to be
Sir
Your most obedient Servant
Lieut: & Asst Engr 1st Div

From the Officer in charge of Palghat Range

To

The Subg. Engineer 1st Div

Dated 7th December 1870

Received 9th December 1870

No 5148/70

Estimate for Strengthening the Sea defences at Cochin Amounting to Rs 42580—

Forwarded in a letter No. 2039/15 dated 15th December 1870 from the Subg Engr 1st Div to the Secretary to Govt. of Mad.

No 153 P. W. D.

Proceedings of the Madras Government under date the 19th Jany 1871.

Read the following

From.

The Supdg Engineer
Y. Dc } (14. E. Dc No 2031/15th Dec 70)

His Excellency the
Governor in Council
having received intima-
-tion of the arrival of the
Engineer who has been
appointed by the Secre-
-tary of State to examine
and report on the
harbours of India, re-
-solves to defer the con-
-sideration of the estimate
submitted with this
letter until that En-
-gineer has been afforded
an opportunity of inspecting
the

From the Supdg Engineer
Y. Dc No 514 dated 10th Dec 70

To the Secretary to Govt
P. W. D. Madras

Sir

Referring to Govt
P. W. D. Reconds No 203
Dc 15th Dec 70

Ex: I have the honor to
submit herewith
Estimate & Plan
for the proposed
Extension of the
Cuddalore Pier
to the extent of
580 Feet.

No 153-3-19 in Abstract

the town and harbour
of Cochin and of advising
this Government as to
the measures to be
adopted for their protection.

21

To
The Supt Engrs. Y. Div.

In-s. dated 19/4/71-
A. Co. — 24/4/71-

No. 5748.

5

Govt of {1871} Madras.

PUBLIC WORKS.

To

The Acting Superintending
Engr 1st Division

Dated

Recd. Encl.

G. O. 19th Jany 71, No. 153.

Nos. 321-322

Coast of Cochin - The Considerations
& Estimate for protecting
the coast of Cochin, deferred
with remarks.

Further Proc[illegible] 9/12-6-71