

(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.	3548	Press	<i>Original</i>
~~B.P. No.~~		Mis-	
Dated	18 - 12	195	1875

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
18th December 1875.*

Read the following letters:—

No. 299. From T. D. HARRIS, Esq., Officiating District Engineer, Malabar, to Major-General G. W. WALKER, R.E., Secretary to Government, Public Works Department, dated Calicut, 23rd November 1875, No. 129.

IN conformity with instructions conveyed in yours, No. 721, dated 16th instant, I have the honor to submit a plan, specification, and estimate amounting to Rupees 4,600 for the jetty as carried out at Beypore. It will be seen that credit has been taken for 220 cubic yards of laterite stone and gravel taken from the old pier, which brings the estimate of the work to Rupees 4,600. The iron stone for the foundation was brought by Mr. Maylor from the foundry, and has made a very good foundation. Trusting the work, as carried out in as strict conformity with your instructions as possible, will meet with your approval and that sanction may be accorded to the outlay.

Specification Report to accompany Estimate for constructing a Jetty at Beypore for the landing of His Royal Highness the Prince of Wales.

Amount of Estimate, Rupees 4,600.

THE shore-end of jetty to be solid from high-water mark for a distance of 50 feet, composed of iron stone with a pitching of 1 to 1, with laterite metalling on top.

2. The total length of woodwork to be 55 feet, resting on 30 piles, 12 inches square, provided with iron shoes and ferules firmly driven into the bed of river from 8 to 12½ feet, with an extra pile for ladders.

3. The T head is 60 feet × 20 feet, the beams over all are 12" × 9", supporting joists 1½ feet apart, upon which the planking of platform 2 inches thickness is securely bolted, the heads of bolts being countersunk, the planks are evenly laid with half inch openings between them. A drip board 1½ feet in depth and 3 inches in thickness to be securely bolted to the piles round the T head; the piles are to be also braced transversely by diagonal ties 4" × 5".

4. A strong and substantial pair of stairs to be built within the T head in the centre, 4½ feet wide, with a rise of 7 inches in the steps; tread 10 inches reaching down to low water 9-80 floor; with neat hand-rails on shore side. The minimum depth of water at T head at low-water springs to be 6 feet.

5. Twenty-eight wooden uprights, 3 feet 9 inches height, to support hand-rail over the solid portion and over woodwork as far as T head.

6. Piles to be driven shorewards on both sides, the solid portion to over high-water line, and the uprights to be worked out on them for the hand-rails.

7. Fifteen wrought iron stanchions 3-9 feet high to be firmly screwed into piles around the T head to carry two lines of chains ½ inches, removable all round, (but secured to stanchions to obviate their being lost or stolen). Strong ring bolts to be fixed to each end for boats, rope and coir fenders to be provided.

CALICUT,
23rd November 1875.

(Signed) T. D. HARRIS,
Offg. District Engineer, Malabar.

No. 299-A. From T. D. HARRIS, Esq., Officiating District Engineer, Malabar, to Major-General G. W. WALKER, R.E., Secretary to Government, Public Works Department, dated Calicut, 10th December 1875, No. 140.

I HAVE the honor in reply to your Memorandum, No. 768, dated 27th ultimo, to state that the jetty at Beypore is constructed of the best seasoned, soundest, and most approved timber procurable in so brief a period, "Karamaradu" mostly, and the rest

Proceedings of the Madras Government, Public Works Department,
18th December 1875.

Erool; none of the timber of the old pier was found sufficiently safe or sound, or of such lengths or scantling as would suit in the construction of the jetty under reference, which is one of the strongest and best timber works ever executed in Malabar. A quantity of the planking and other portions of the old pier were brought to the site of the work under reference at considerable cost, but on examination was found utterly unsuitable and unsafe for any use in the construction of the jetty; the only material that could be used was the laterite gravel for the roadway, and for this credit has been taken for 220 cubic yards,—trusting the information will be found satisfactory.

No. 300.

ORDER THEREON, 18th December 1875, No. 3,548.

CIVIL WORKS, No. 16.

ORDERED to be recorded.

2. The estimate of Rupees 4,600 is sanctioned. Its amount chargeable to the Imperial Suspense Account.

(True Extract.)

Major-General, R.E.,
Secretary to Government.

Memorandum.

No 468.

With reference to letter
No 129 of 23rd Nov 1875 the
District Engineer Malabar
is requested to report what
description of timber was
used for the jetty and the
quantity of timber from the
Old Pier, he was able to see in
conformity with the memo
communicated in G.O. No 2722
of 20th Sept 1875 and the last
clause of G.O. No 2778 of 20th Idem.

Signed G. H. Walker Major Genl. R.E.

Chief Engineer D.M.

Forth George
27th Nov 1875

Quantity	Measure	Particulars	Rate	Amount
10	11 1/2	4" " 22 3/4 joists		
12	15 1/2	7" " 36 3/4 " D.O.		
24	11	5" " 36 3/4 Diagonal ties		
16	10 1/4	5" " 22 3/4 " D.O.		
4	20 1/2	1" 3/4 " 6 1/2 Beams		
2	57	1" 3/4 " 85 1/2 " D.O.		
1	52	1" 3/4 " 39 " D.O.		
Total 414 1/2 Cubic feet of woodwork				@ 14 cts. 518 38
1	50 1/2	17 1/2 " 143 Plank		
2	55	1 1/2 " 27 1/2 " D.O.		
2	20	20 1/4 " 135 " D.O.		
2	78	1/2 " 19 1/2 Top and bottom rails		
1	78	1/4 " 34 " Middle " D.O.		
12	15 1/2	7 1/2 " 63 1/4 Posts		
16	3 1/2	5 1/2 " 9 3/4 " D.O.		
12	5	3 1/2 " 33 " About to posts		
Total 423 " 57 1/2 Cheating plank to support material of roadway				
80	1 1/2	1/4 " 30 Drip board		
4	13 1/2	1 1/2 " 14 5/8 Piers to stairs (sides)		
21	5	1 " 17 1/2 " Steps to " D.O.		
Total 504 1/8 Cubic feet of woodwork, planing with nails &c				@ 18 cts. 907 56 3
Tarring				100 "
321	feet	" " Driving piles including rafters &c	2 " " 102 "	
31	"	" " Piles, shoring and riving	@ 16 " " and 106 "	
31	lbs	" " Iron bolts	@ 6 " lbs 11 10 "	
17	10	3 3/4 " 56 6 3/4 Solid portion of pithy		
Reduce 220 cu yds of gravel ballast from old pier				
Net total 346 1/3 Cu yds of stone stone ballast including pitching				@ 1 12 cts 406 108
220 cu yds of gravel ballast				@ 10 " 20 137 8 "
15	4 3/4 x 6	" " 420 wrought iron stanchions		
30	2	" " 60 Hooks and nuts		
Total 480 lbs of wrought iron				@ 6 " lbs 180 "

Number	Height	Width	Depth	Sup. Cont.	Vol. Cont.	Particulars.	Date	per	Article work.	Amount
						Brought forward.				431654
						$2 \times 2 \times 39 = 236$				
						$2 \times 18 = 36$				
						$- 272 \text{ ft} \times 1 \frac{3}{4} = 476 \text{ tho of iron chains}$				6. th. 1788.
						Total.				4494134
						Amidies and Superintendence @ 2 1/2 percent				10528
						Total Amount of Estimate No.				4500 "
<i>100 of Calicut Range Office</i> <i>Calicut 22. November 1875</i> <i>Director</i> <i>Superior R.P.O.</i> <i>In charge Calicut Range</i> <i>23 Nov 1875</i>										

No 140

Malabar, Distt. Eng.

18/5

No 140

Malabar, Distt. Eng.

Calicut 10th December 1875

From

The Offg. District Engineer,
Malabar

To

The Chief Engineer,
Department Public Works,
Madras

Sir,

I have the honor in reply to your Memo. No 768 dated 27th ultimo to state that the Jetty at Beypore is constructed of the best seasoned soundest and most approved Timber procurable in so brief a period "Karamaradi" mostly and the rest Eoool; none of the Timber of the old Pier was found sufficiently safe or sound or of such lengths or scantling as would suit in the construction of the Jetty under reference, which is one of the strongest and best timber works ever executed in Malabar. A quantity of the planking and other portion of the old Pier were brought to the site of the work under reference at considerable cost, but on examination was found utterly

OW 1875 Department
From No 7923.
The Offg. Dist. Engineer
Malabar

To The Chief Engineer
P. W.
Madras.

Dated 10 December 1875
Recd. 12 Dec 75
No 140

Report that the Jetty at Beypore was constructed of Karamaradi & Eoool, & explains the cause of not using the timber of the old Pier.

With Orders

No 3578.

For order (See Remarks) - City of

Madras. The amount is as per bill to

the Engineer's Department Madras.

18 Dec 75

M. S. Malabar

Recd - 7.1.76

Amr

Cons. Dist. Sect. with one, All: Estimate

stable and unsafe for any
use in the construction of the
jetty - the only material that
could be used was the Laterite
gravel for the Roadway and for
this credit has been taken for
220 cubic yards, trusting the
information will be found
satisfactory.

I have the honor to be
Sir

Your most obedt. servant

W. H. Smith

Offg. District Engineer,
Malabar

17/11/1875

PUBLIC

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