

(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.	2778	(W)	Press
B.P. No.			Mis.
Dated	28 7		1870

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
23th September 1875.*

Read the following papers :—

No. 536. 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 September 1875, No. 94.

In acknowledging the receipt of your Order, No. 2,722, dated 20th instant, I have the honor to forward three plans—(1) showing the reception pavilion and covered way to the Railway Station at Beypore; (2) for constructing jetty at Beypore for the landing of His Royal Highness the Prince of Wales; (3) showing the Railway

			rs.	
Pavilion	...	...	9,684	amounting to Rupees 9,684 + 5,600 =
Jetty	...	...	5,600	15,284, and to state that nothing had been
			15,284	done in the way of any preparation to get
				up either the jetty or the pavilion up to

the 14th instant, but on the 15th I took up the matter into my own hands, by offering the construction of the jetty to Mr. Maylor; although he was not at first inclined to undertake the work, he eventually took to construct both the jetty, reception pavilion, and covered way, and I have advanced Rupees 2,000 to him already for the work.

2. The materials of the old pier will be utilized as far as possible, and the saplings and bamboos to such extent as the Collector will be able to supply will be taken over at their valuation by Mr. Maylor.

3. I was only able to show the plans in pencil to Mr. Logan, the Collector, on the 16th, and they were far from complete; in fact the domed roof of reception pavilion has been suggested by Mr. Logan, and it brings out the work so well that every one whom I have seen who understands the subject approves of it. Mr. Logan is away in Wynaad, and I am only sending him the fair plans now so that you will probably have the originals before Mr. Logan has seen the fair plans, and the work, I may add, is in rapid progress; the first set of the jetty piles are driven in and nearly all the piles are ready, the way to rail has been cleared to 20 feet by me, and the whole alignment of the works in every detail laid down with the Theodolite by me, so that nothing can go wrong in the way of jetty, reception pavilion, and covered way to rail if the plans are approved.

4. From the Proceedings of Government cited above, I am not quite sure if I am doing all in accordance with what the Government expects or desires; but as I said before, I have the approval of the Collector generally for what is being done, and now that the plans can be laid before the Right Honorable the Governor you will be able to instruct me what further measures should be adopted.

5. The estimate appears high in the first instance, but as the jetty will be of a permanent nature, and will be built of the very best materials in every detail, no great loss will occur here; it will be a great boon to travellers by rail; and as regards the further expenditure of Rupees 9,684, I estimate a recovery of 75 per cent. on that outlay; the carpets which are intended to cover the passage, 6 feet wide from the jetty head to the end of reception pavilion, are not included in the estimate. I have already secured them through the kind favor of Major Beatty, R.E., Superintending Engineer, Godavery, they are Ellore manufacture, and will probably cost 1,000 or 1,500 Rupees, but I estimate a recovery of the whole outlay thereon. I have purchased them on a

*Proceedings of the Madras Government, Public Works Department,
23th September 1875.*

former occasion, and had no difficulty in getting back my outlay of Rupees 780 about. I think they will be much prized on this coast where wool is so scarce.

6. The pandal to be erected in front of the station, the site of which is inserted on the survey plan, has not yet been designed, but Mr. Winterbotham is in, as we know it is intended to seat 100 guests we can soon plan it. I shall meantime push on the other works pending your orders, and until I hear further from the Collector, Mr. Logan, I may sum up the outlay thus:—

	RS.
Jetty	5,600
Pavilion	9,684 Recovery 75 per cent.
Carpets... ..	1,500 All will be recovered.
	16,784
Recovery	8,763
Balance	8,021

7. The seating has not, it is true, been included in my estimate, but the outlay will not be heavy on that account, and the Right Honorable the Governor is, I am informed, coming to point out how it should be arranged. I shall have all ready sufficiently, if I am to go on with the work, by the 25th of October for His Excellency to decide on the arrangement; for the present I have only shown the seats on one side of the reception pavilion, according to Mr. Logan's instructions, the other side being intended for the Guard of Honor and the Band. Awaiting early instructions.

P.S.—To save delay I have packed all the plans in a tin case and forwarded by rail to Mettapoliam, and I have written to the Station Master there to forward it on as expeditiously as possible.

No. 586A. From the District Engineer, Malabar, dated 23rd September 1875,
No. 95.

No. 587. ORDER THEREON. 28th September 1875, No. 2,778.

CIVIL WORKS, No. 39.

THE District Engineer will have learnt from a demi-official communication made him by the Chief Engineer, under date the

24th instant, that the reception pavilion at the shore-end of the jetty and the covered communication between it and the station will be dispensed with. Materials collected for them will be transferred to the Revenue Officers for use on the reception pandal in the station compound. The District Engineer has nothing to do officially with the provision of carpets, which he will leave to the Revenue Officers.

2. The alignment of the jetty is faulty in the extreme; whatever may be the direction of the approach from it to the station, its own direction must be at right angles to the beach from which it projects. Placed as the District Engineer proposes it, skew to the stream, the minimum of deep water accommodation is afforded by it. The plan submitted does not show any portion of the jetty as being built solid, as ordered. The arrangement of steps at the sides of the jetty head is not approved.

*Proceedings of the Madras Government, Public Works Department,
23th September 1875.*

and its roof will be dispensed with. Its probable cost should not exceed Rupees 5,000, without allowing for the timber of the old pier.

(True Extract.)

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

To the District Engineer, Malabar, with plans.
" Political Department.
" Controller of Public Works Accounts.

Exd. S. T. Austin.
Spare Copies

engines and room are required

Beypore 18th September 1875

J. R. Harris Esq.

Acting District Engineer

Malabar.

Sir,

In reply to your telegram I have the honor to inform you that the materials for the jetty Pavilion &c are coming in, and I have arranged to commence driving the Piles on Tuesday next and will carry on the work uninterruptedly so as to have it completed about the end of next month.

I have &c

Signed / W. Maylor.

Beypore 22nd September 1875

J. R. Harris Esq.

Off. District Engineer

Malabar.

Sir,

I have the honor to acknowledge receipt of your letter of the 20th instant which only reached me this morning. As I ordered all the Ladjans and Bumboos required

for the Beyson Jetty, Paukon and Covered,
passage to Railway Hotel on the 19th
instant and gave advances to several
parties to supply the same and I learn
the whole of the above named ma-
terials will be delivered in a few
days. I trust you will be able to
cancel your indent.

I have got
Signed / W. Maylor.

I have got
Signed / W. Maylor.
H. C. Long to at at at

Office of the District Engineer
Madras
19th Sept 1875

19th Sept 1875

Letter from the
Chief Engineer
to the District Engineer
19th Sept 1875

19th Sept 1875
" 22nd do. - do.

Madras District Engineer's Office
Calcutta 20 September 1875
The Offr. District Engineer,
Madras.
The Secretary to Government,
Public Works Department,
Madras.

Sir,
In continuation of
mine No. 94 of this day's date
I beg to forward two copies
of letters from Mr. Maylor
regarding the progress of the
arty Reception Pavilion
and covered way to Rail
for the landing of His Royal
Highness the Prince of Wales,
and I beg to add that it is
hardly possible to me now
in any way to alter the
plans and arrangements
which also I may add have
been approved of as far as
I am aware by the Chief
Administrative Authority
of the District W. Logan Esq.

I beg a speedy reply.
 I have the honor to be,
 Sir,
 Your most Obedt. Servant,

Yours most Obedt. Servant,

Handwritten signature: B. L. Smith

Wm. A. Smith & Co.
New York

Dear Mother
 I have just received
 your letter of the 10th
 and was glad to hear
 from you. I am well
 and hope this finds
 you the same. I have
 not much news to write
 at present. I am
 still in the same place
 and doing the same
 work. I hope to hear
 from you soon. I
 am, dear Mother,
 ever your affectionate
 son,
 John Smith

Dear Mother
 I have just received
 your letter of the 10th
 and was glad to hear
 from you. I am well
 and hope this finds
 you the same. I am
 very much interested
 in the new book
 you have written. I
 have not time to read
 it now but will do so
 as soon as possible.

- No.
 - Commission
 - my wife
 - of new
 - of new
 - of new

O. W. 1975 Sept.
From Dr: 6275
The R! Engineers
Malabar

To,
The Secretary to
Government & P. O.

2045. -
Dated 23^d Sept.
Received 1st Oct. 1875

E... 1. V

Several copies of
letters from Mr May
show how far the
jetty & Pavilion at
-port is advanced.

Ms. A. 9. 2. 6. 2

P.O. No. 2778-263-75

Weight	Measure	Weight	Measure
1 lb	16	1 lb	16
2 lb	32	2 lb	32
3 lb	48	3 lb	48
4 lb	64	4 lb	64
5 lb	80	5 lb	80
6 lb	96	6 lb	96
7 lb	112	7 lb	112
8 lb	128	8 lb	128
9 lb	144	9 lb	144
10 lb	160	10 lb	160
11 lb	176	11 lb	176
12 lb	192	12 lb	192
13 lb	208	13 lb	208
14 lb	224	14 lb	224
15 lb	240	15 lb	240
16 lb	256	16 lb	256
17 lb	272	17 lb	272
18 lb	288	18 lb	288
19 lb	304	19 lb	304
20 lb	320	20 lb	320
21 lb	336	21 lb	336
22 lb	352	22 lb	352
23 lb	368	23 lb	368
24 lb	384	24 lb	384
25 lb	400	25 lb	400
26 lb	416	26 lb	416
27 lb	432	27 lb	432
28 lb	448	28 lb	448
29 lb	464	29 lb	464
30 lb	480	30 lb	480

do for ornaments, including
bamboos, gold leaf, stenciled fancy paper,
ferns, lamps, flags, etc. @ _____ Carried over

Carried over — (a) 3

I trust they will meet with your
 approval and that of the
 Right Honorable the Gov.
 in Council, and if
 any alterations or improve-
 ments are considered ne-
 cessary

Yours
 J. B. G. G.

to the
 Hon. Secy.
 of the
 Govt.

Bill for the Landing of the Royal Highness the Prince of Wales.

Quantity	Measure-ment	Superficial Content	Cubic Content	Particulars of Work	Rate	Amount	By whom	of
				stack saplings posts.			of	the
8	75 1 1/2	1000		Reception Pavilion	@ 12 8	1280	of	the
51	16 9	840		Do	@ 4	204	of	the
25	50 1	1250		Covered passage to Railway Station	@ 4	1000	of	the
92	16 9	1472		Roofing with Sadgans, S. L. post	@ 6	8832	of	the
				plum, Bamboo &c			of	the
				Reception Pavilion			of	the
				Do			of	the
				Tower			of	the
				Covered passage to Railway Station			of	the
				Sq ft of Sadgans thatching	@ 5	1000	of	the
				Do for ornamental work including			of	the
				bamboo gold leaf stenciled fancy paper			of	the
				ferns, lamps flags &c	@ 5	1000	of	the
				Carried over		2920	of	the

Slag	Name	Q	10	Infertile	Content	Particulars of Work	Rate	Amount
							per	like work
						Sides of Pavilion	Brought forward	5921 "
						do - lowered way to Railway Station		
						Sq. ft. sides of Pavilion including all decorations	@ 6 " " sq. ft.	3556 "
						Flouring cloth		
						Sq. ft. Flouring cloth at		
						Sq. yards do	@ " 12 " sq. yds	208 4 "
						Coal coxles each raft to 10 long		
						3' x 6' @ 3 " each 125 "		
						Sq. ft. bulking cloth including gold leaf lined fancy paper forms paper		
						amps of		
						Sq. yards do	@ " 5 " sq. yds	103 5 4 "
						Leveling ground with latrite stone		
						and gravel up to jetty head and covering with ad. mate 9 "	@ " 4 " " 732 "	5803 7 4 "
						Landings & Superintendence	@ 10 " " ant.	5808 8 "
						Total Estimated Expenses		9881 " "

Malabar. Dist. Surg's Office.
Patient 2300. September 1896.

Valent 23² 2/3 Septem ber 1571

L. Harris
Offg. District Engineer, Malabar.

Offg District Engineer, Malabar.

17
Specification to accompany
Estimate for constructing the Reception
Pavilion and Covered Way to Railway
Station at Bayapore for the landing
of His Royal Highness the Prince
of Wales.

Amount of Estimate Rupees
9604.00.

The ground between Railway
Station and High water mark at
land end of jetty having been levelled
a Reception Pavilion starting
from jetty will be erected and
will consist of the following
dimensions.

Tower or Dome in middle. 35x35x75 high
Two wings East & West 50x60x23 high
One do South 60x60x23 high
with a covered passage extending
from the Reception Pavilion to
the Rail.

The Tower will be erected in
the centre of the Pavilion and exactly
opposite the jetty, on 8 Posts 75 high
formed by Teak saplings, tied,
lashed and strengthened as to bear
the covering or roof of the great
Palm (Palipot) to have a form
similar to the Hindu Temples of
Malabar and laced and plaited

planted like the umbrellas used on this Coast.

The wings of the Pavilion to be also built on posts 23' high and 1 foot diameter at middle and 12 feet high and 9" diameter at side, the ends of the posts being let 3' and 5' into the ground. The roofing to be of cadjan, bamboo, brood wood couples ornamented with palm leaves, ferns etc. &c.

The passage from the Reception Pavilion to the Railway Station to be 20 feet wide and 12 feet high with a pitch equal to half the span the roof to be supported on both sides by 9" diameter and to consist of cadjan bamboo etc. &c.

The portion of Roof from Covered passage to out houses of Hotel to Portico of Station to be formed of the great palm only planted and laced same as the umbrella before mentioned.

After the roofing has been erected the sides of the Pavilion to be formed of Bamboo Arches, Bamboo trellis work, ornamented with ferns, fruits, and evergreens as shown in plan.

The ground having been well levelled, rammed and consolidated, half an inch of sand to be spread over and again rammed. Over this a coating of date mats well planted to the exact shape of the structure flooring and knitted and made on the ground over this will be laid green flooring cloth and over this Elmore Carpets to a breadth of 6 feet down the centre passage.

The whole of the ceiling to be covered with transparent red damask ornamented with device for &c. cut from gold leaf tinsel and other colored paper. The devices to be so arranged that the morning sun striking on the Tower should show them to perfection by 8 or 9 o'clock A.M.

All scaffolding, labor and materials required for the proper erection of the building to be provided and the whole of the works provided for in the specification should be completed before the 20 day of November next.

After the completion of the work all rubbish & surplus materials to be removed and the ground to be perfectly cleared.

Particulars	Amount	Explanations
1 2 1/2 2 3	190 1/2	Control Rail
1 1/2 3 3 3	11 3/4	Rail posts
1 1/2 1 1/2 1 1/2	8 1/2	Ridge pole
1 1/2 1 1/2 1 1/2	75 1/2	B. Runners
1 1/2 1 1/2 1 1/2	24 1/2	Steps for side
3 1 1 1	36 1/2	Poles for steps
3 8 1 1	26	do do
2 2 1 1 1	42	Cross beams
206 1/2	206 1/2	Total Cft. of wood @ 1 1/4 = cft 2553 13 8
1 36 2 1/2 2	308 1/2	Plankings
1 6 1/2 2 1/2 2	220 3/4	do
2 13 1 2	4 3/4	Sides of Steps
18 20 1 1/2 2	75	Cross pieces
3 60 1 1/4 1/2	37 1/2	Steps in front
21 7 1/4 1/2	18 3/4	posts under steps
663 1/4	663 1/4	Total cft. of brood planking @ 1 8 = do 995 10 "
2 40 6 1/2	15 1/2	Flag Staffs 9" at bottom 5' at top
15 1/2	15 1/2	Total Cft. of Teak @ 5 " = 77 8 "
2 106 16 339 1/2		Roofing
1 20 16 200		do
2172 1/2		Total sq. ft. of 16 1/2" total sq. ft. of Roofing material with bamboo, reapers, Cudlow, Calicut
2172 1/2		do 5 " = 107 230 12 "
163 1/2		sq. ft. of Ornamental work including green bamboo, ferns, gold leaf stencils, fancy colored paper, flags &c @ 5 " = do 233 12 "
28 14 9 9		Poles for covered way over jetty @ 3 " = end 84 "
42 "		Driving Poles @ 5 " = do 210 "
42 "		Shoring stringing for Poles @ 16 " = do 672 "
42 "		Shoring stringing for Poles @ 10 " = end 509 7 9
42 "		Shoring stringing for Poles @ 10 " = end 509 7 4
509 7 9		Amount of Estimate Paper 5600 "
509 7 4		
5600 "		

Specification to accompany
Estimate for Constructing a permanent
jetty at Beypore and for the landing
of His Royal Highness the Prince of
Wales.

The jetty will be erected
in a right line with the Portico
at Entrance to Railway Station
and present Railway Gate north
Entrance. Length of jetty 106 feet
breadth of Roadway one all 20 feet
to be 3 ft 4 inches wide. The jetty will consist of 8 bays
each 12 feet span starting from a
point fixed below high water level
on the land side and jutting into
the river until a depth of water at
low tide of 6 feet is obtained.

Piles 1 ft square to be driven
6, 7, 8, 9, 10, 11 and 12 ft into the ground
as per plan at a distance of 12 ft in
the clear longitudinally and 80 ft
apart transversely and will be
kept upright and firm by wooden
diagonal struts (5 x 5) fixed into them
on the top of these piles beams one foot
square to be fixed transversely pro-
jecting 6 inches beyond them. The
roadway of the jetty to be supported
by joists 5 x 8 placed 12 feet apart
from Centre to Centre every third
joist and those at the ends be with
made to project 3 ft beyond of plan

face of the Beams to afford a Sup-
-port for the Struts of the Hand
rails the joints being fastened to
the Longitudinal Beams by $\frac{1}{2}$ inch
iron bolts.

The roadway will be
formed of planks 2 inches thick
and not exceeding a foot in breadth
laid diagonally over the joists as
shown on the Plan and nailed
to them. The planks to project
3" beyond the face of the beams.

The bottom rail of hand
rails to be fastened to the joists
by $\frac{1}{2}$ inch iron bolts. The rail posts
to be morticed into the top and
bottom pieces the Centre rail being
notched 1 inch into them and
held in their places by 3 inch
iron nails.

The ends of the Struts
for hand rails to be sunk into
the joists as shown in the plan
the other end being halved and
nailed to the rail post just below
the Cap rail.

The Jetty at head will
be shalved with a covering of
Ornamental thatching consisting
of the Great palm (Palmetto) and
to be similar to the Umbrella of
Malabar. The Jetty from head
Reception Pavilion to be thatched

in a similar manner and to rest
on Teak Saplings 9 inches in dia.
-meter and 12 feet high.

A set of Steps 5 feet broad
will be provided at both ends of
Jetty the front being left open
for the Steamer to run alongside
and land His Royal Highness
in the Centre under the Triumphant
Archway. The piles to have
iron shoes and female rings.

After the completion
of the work all rubbish and surplus
materials to be removed and the
site to be cleared up in every
direction.

The decorations will con-
-sist of fancy paper, ceiling cloth
of magenta or red ornamented
with Tinsel, gold leaf, fancy paper
ve. in design which shall be fur-
-nished by the undersigned
and the Camps also shall all be
fancy paper work of native
manufacture; the flooring will
be covered with green cloth all
over from the Jetty head up to
Reception Pavilion, the Centre
passage 6' wide shall be covered
with Illore Carpet bordered with
the choicest forms of the Malabar

face of the Beams to afford a Sup-
-port for the Struts of the Hand
rails the joints being fastened to
the Longitudinal Beams by $\frac{1}{2}$ inch
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Reception Pavilion, the Centre
passage 6' wide shall be covered
with Illore Carpet bordered with
the choicest forms of the Malabar

District all worked out in design
by the undersigned.

Kalabak R. Eng.
office Kalabak
28 Sept 1875.

Thamby
offg. R. Eng. Kalabak

Estimated for the
construction of a
jetty at Kalabak with
fencing of the jetty
by the R. Eng.
Kalabak.
No. 2778
28 Sept 1875
with 586

No 2778
Proceedings of the Board of Revenue
under date the 28 Sept 1875
Read the following.

Read
The District Engineer (R.S. No 94 dt 23 Sept 1875)
Do Do (R.S. No 95 dt 28 Sept 1875)

No 2778. 28 Sept 1875
The District Engineer will
have learnt from a domestic
official communication
made him by the Chief
Engineer under date the
21st Inst. that the Recep-
tion Pavilion at the shore
end of the Jetty and the
General Communication
between it and the Sta-
tion will be dispensed
with. Materials col-
lected for them will be
transferred to the Revenue
Office for use on the
Reception Pavilion in
the Station Compound.
The District Engineer has
nothing to do officially
with the provision of con-
crete, which he will leave
to the Revenue Office.
The alignment of the
jetty is faulty and the
structure is in a very
poor state of repair.

Approach from it to the
 station its own direction
 must be at right angles
 to the beach from which
 it projects. It is strange
 that an Executive Engineer
 should require to be told this. Placed
 as the ^{beach} pier is, where
 to the stream, the mini-
 mum of deep water, nec-
 essary for navigation is afforded
 by it. The plan
 submitted does not show
 any portion of the jetty
 as being built across,
 as ordered. The arrange-
 ment of steps at the sides
 of the jetty head is
 not approved; and its
 use will be discontinued
 with. Its probable
 cost should not exceed
 Rs. 5000. The plan
 submitted is not
 approved.

J.E.H.
 Secy
 P.W.D.
 Com

Valabm. Sup. in Inf. 28th Sept. with plans.
 Encl.
 final Sept. 29/75
 P.W.D.

C. J. 10/75

29/9/75

6274
6275

Govt. of 18751 Madras

PUBLIC WORKS.

Mr. S. S. S. S.
Mulabhar

Dated
To
By
28 Sept 1878

500581-5-87

Letter & Pavilion at
Beyfore for the land
of H. R. H. the Prince
of Wales. — Passon
orders on letters from
the Mr. S. S. S. S. S.
forwarding plans &
estimate for the construction
of the