

(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.	1532	Press Mis
588-589		
Dated	26-5-	1864

Not to be folded or roughly handled

1/0

*Proceedings of the Madras Government, Public Works Department,
26th May 1864.*

No. 588. Read the following letter from Lieutenant-Colonel G. W. WALKER, R. E.,
Superintending Engineer, 7th Division, to Colonel C. A. ORR, R. E., Secretary to
Government, Department Public Works, dated Coonoor, 20th April 1864, No. 1:—

SIR,

1. I have the honor to submit for sanction the Plans and Estimates for completing
Tambracherry Ghát, abstract whereof accompanied my letter printed with Government Order
No. 3,314 of 14th November, and towards which an allotment of Rupees 50,000 is made in the
Budget of 1864-65.

2. Its revised amount is Rupees 1,47,550 instead of Rupees 1,90,000, assent in by Captain
Bean, the reduction of whose rate for blasting rock from Rupees 3 to Rupees 2 accounts for all
but Rupees 10,000 of the saving. Rupees 4,550 more are accounted for by allowing half a yard
instead of one yard in depth of gravelling below the Ghát, Rupees 3,000 by including cost of
blasting tools in the rate of work, and Rupees 1,100 by correction as to length of catch drainage
required.

3. I do not anticipate that the Ghát can be made of any use for carriage traffic till the
crop time of 1865-66, when the blasting above the highest zig-zag should be completed to full
width, and all below to 12 feet at least. The idea of loading carts on the Ghát itself, so as to
make use of the lower portion I consider impracticable; and until the approaches to its head
from the interior are also opened for cart traffic, the closure of the Ghát itself can only affect the
few Estates near its head.

N. B.—The above has been delayed since the 20th April for want of the detailed Estimates
which have been mislaid in my Office. As they are still not to be found, the Plans and Abstract
Estimate are sent to avoid further delay.

No. 589. ORDER THEREON, 26th May 1864, No. 1,532.

1. The Estimate submitted with this letter, amounting to Rupees 1,47,550, for completing
the Tambracherry Ghát as a cart road, is sanctioned.

2. Considering the importance of this work in connection with the measures which are in
progress for opening out the Wynad country and establishing communication between Mysore
and the Coast, the Government will rely on Colonel Walker using every exertion to prosecute it
with vigour. It is observed that a sum of Rupees 50,000 has been provided for the project in
the Budget of 1864-65, and if necessary, further funds will be made available. The Government
request to be furnished, however, with a report showing the amount expended on the Tambracherry
Ghát work up to 30th April 1864, under the Estimate now sanctioned, and the manner
in which it has been laid out. They will then be in a position to judge of what has yet to be
done for the completion of that communication.

(True Extract.)

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

To the Superintending Engineer, 7th Division.
" Controller and Auditor of Public Works Accounts.
" Accountant General.

Exd. S. T. Augustin.

D. No. 212
21.10.63

Abstract Estimate

District, Malabar

Work Widening the present trace of the Tambracheri
Ghat so as to make a Bandy Road 6 yards wide

Quantities	Description of Works	Rate	Amount of each part	Amount
	Widening/raising road from junction of old road to foot of new trace			
900	Cubic yards of Hard Soil	2	1800	8
900	D ^o D ^o of Metalling	1	900	
	Widening Tambracheri New trace			
3409 1/2	Cubic yards of Hard Soil	2	6819	12
4040 1/2	D ^o D ^o of Loose stone hard Soil	4	16161	6
1011 1/2	D ^o D ^o of Loose stone and Boulders	12	12132	8
3021 1/2	Ditto D ^o of Blasting Rocks	3	9064	
	Pondies and Contingencies		12067	14
	Constructing Bridges and Tunnels			135350
	Constructing 6 Small Culverts 2x2			
318 9/16	Cubic feet of Lattito in Chunanam	20	63	12
	Excavating Foundations		3	
	Pondies		6	4
5	Tunnels the same as above	42	360	432
	Constructing a Bridge at the foot of the Ghat			
6650	Cubic feet of Lattito in Chunanam	20	1330	
575 1/4	Cubic feet of jungle wood	14	503	14 10
	Carried Over		1883	14 10 - 135782

Quantities	Descriptions of Work	Rate	Amount	Amount each part
	Brought Over		1833 4 10	135782
14	Carpenters and Coaly hire for Running foot	3 8	102	
	Iron work		45	
	Scaffolding		50	
	Excavating foundation and making roadway		40	
	Surveys and Contingencies		217 1 2	
			2840	

	Bridge No. 1 of 40 feet span			
12021.6	Cubic feet of Lattent in Chumam	20	2404 4 10	
2868.9	Do. of Arch work Bricks in Chumam	4	414 3	
	Centering		50	
	Excavating foundation and raising approaches		100	
	Surveys and Contingencies		328 8 2	
			3600	

	Tunnel No. 2 of 12 feet span			
3494	Cubic feet of Lattent in Chumam	24	911 10 6	
429	Do. of Arch work Bricks in Chumam	5	224 13	
	Centering		20	
	Excavating foundation and raising approaches		30	
	Surveys and Contingencies		110 8 6	
			1300	

	Tunnel No. 3 of 6 feet span			
3034	Cubic feet of Lattent in Chumam	24	428 14	
105	Do. of Arch work Bricks in Chumam	5	126 9	
	Excavating foundation and raising roadway		15	
	Surveys and Contingencies		84 9	
			958	

	Bridge No. 4 of 30 feet span			
1935	Cubic feet of Lattent in Chumam	24	1184 6 4	
3429.4	Cubic feet of jungle wood	4	326 2	
34	Carpenters and Coaly hire for Running foot	3 8	119	
	Iron work		60	
	Scaffolding		40	
	Excavating foundation and making roadway		35	
	Surveys and Contingencies		145 4 8	
			1940	
	Brought Over		145950	

Quantities	Descriptions of Work	Rate	Amount	Amount each part
	Brought Over		3	145960
	Bridge No. 5 of 25 feet span			
14420.6	Cubic feet of Lattent in Chumam	24	2662 15 3	
1584	Do. of Arch work Bricks in Chumam	5	295	
	Centering		25	
	Excavating foundation and raising approaches		50	
	Surveys and Contingencies		212 7	
			2630	

	Bridge No. 6 of 25 feet span			
12949	Cubic yards of Rubble stone in Chumam	9	1152 5	
1584	Cubic feet of Arch work Bricks in Chumam	5	295	
	Centering		40	
	Raising approaches		30	
	Surveys and Contingencies		142 11	
			1900	

	Tunnel No. 7 of 10 feet span			
20674	Cubic yards of Rubble stone in Chumam	9	1858 8	
59846	Cubic feet of Arch work Lattent in Chumam	4	149 10	
	Centering		30	
	Raising approaches and excavating foundations		203 14	
	Surveys and Contingencies		2260	

	Tunnel No. 8 of 12 feet span			
8416	Cubic yards of Rubble stone in Chumam	9	488 5 6	
68846	Cubic feet of Arch work Bricks in Chumam	5	215 2 6	
	Centering		25	
	Raising approaches		30	
	Surveys and Contingencies		101 8	
			1160	

	Bridge No. 9 of 16 feet span			
24547	Cubic yards of Rubble stone in Chumam	9	2205 5 4	
931.6	Cubic feet of Arch work Lattent in Chumam	4	232 14	
	Centering		25	
	Excavating foundation and raising approaches		35	
	Surveys and Contingencies		241 12 8	
			2440	
	Brought Over		158540	

Quantity	Description of work	Rate	Amount	Each	per
	Brought Over		158540		
	Bridge No. 10 of 16 feet span				
	the same as Bridge No. 9		2940		
	Tunnel No. 11				
106 ¹¹⁶ / ₂₇	Cubic Yards of Rubble stone in Chumano	9	958	108	
585	Cubic feet of Arch work Brick in Chumano	4	146	4	
	Centering		10		
	Excavating foundations and raising Approaches		15		
	Sumdies and Contingencies		110	14	
	Tunnel No. 12, 13, 14, 15 the same		1240		
	as Tunnel No. 11		1240		
	Bridge No. 16 of 20 feet span		4960		
213 ¹¹⁶ / ₂₇	Cubic Yards of Rubble stone in Chumano	9	2190	108	
1827	Cubic feet of Arch work Brick in Chumano	5	570	15	
	Centering		35		
	Excavating foundations and raising Approaches		40		
	Sumdies and Contingencies		283	64	
	Bridge No. 17 of 20 feet span		3120		
	the same as No. 16		3120		
	Total for Road works		3120		
	Total for Bridges and Tunnels		135370		
10 ⁴⁹ / ₂₇	Constructing Catch Drains	140	4400		
7 ¹⁰ / ₂₇	Ditto Crop Drains	300	3000		
10	Ditto Rough stone Drains	12	480		
	Cutting Passers for 2 years	1500	3000		
	Blasting Tools		3000		
	Civil Pay of Officers in Charge for 2 years	1200	2400		
	Total Estimate Rupees		190000		

Executive Engineer's Office
 Malabar
 Calicut 19th October 1863

W. R. E. Captain R. E.
 Executive Engineer
 Malabar

No. 1.
 From
 Superintendent, Engineers' Office
 20 April 1864
 Dispatched 7th May 1864
 Lieutenant Col. J. H. Walker R. E.
 Supg. Engineer 7th Division
 C. I. & P. & P. R. E.

Cost of Blasting Tools in the Rate of work,
 and Rupees 1500 by Correction as to length
 of Catch Drainage, required.

I do not anticipate that the Ghant
 can be made of any use for Carriage traffic like

Quantities	Descriptions of work	Rate	Amount
<u>Brought Over</u>			
	Bridge No. 10 of 16 feet Span		
	the same as Bridge No. 9.		
	Tunnel No. 11		
106 $\frac{11}{2}$	Cubic Yards		
535	Cubic feet		
	Centering		
	Excavating		
	Pondies an		
	Tun		
	Brug		
213 $\frac{11}{2}$	Cubic Yards		
1827	Cubic feet		
	Centering		
	Excavating		
	Pondies an		
	Total		
	Total		
m. 4.9	Constructing		
10	Ditto Eng		
10	Ditto Reus		
	Cutting Paper		
	Blasting Tools		
	Civil Pay of Officers in Charge for 2 years		
	Total Estimate Rupees		
<div> <div>Executive Engineer's Office</div> <div>Malabar</div> <div>Calicut 19th October 1863</div> </div> <div> <div>Rem</div> <div>Captain R.</div> <div>Executive Engineer</div> <div>Malabar</div> </div>			

No. 1. Superintending, Engineers, Office
 From. 2nd Cognore 20 April 1864.
 Dispatches 7th May 1864.
 Lieutenant Col. H. W. Walker R. E.
 Supg. Engineer 7th Division
 Colonel L. A. Orr R. E.
 Secretary to Govt. D. P. W.
 Madras

Sir,
 I have the honor to submit for sanction the Plans and Estimates for, completing the Sambachary Ghat, abstract whereof, accompanied my letter printed with Govt. Order No. 3311. of 14th November and towards which an allotment of Rupees 50,000 is made in the Budget of 1864/65.

Its revised amount is Rupees 1,17,550, instead of Rupees 1,90,000 as sent in by Captain Bran, the reduction of whose rate for Blasting Rock from Rupees 3 to Rupees 2, accounts for all but Rupees 10,000 of the saving - Rs. 1,550 more, are accounted for by allowing half a yard instead of 1 yard in depth of Crinilling below the Ghat, Rupees 3000 by including cost of Blasting Tools in the rate of work, and Rupees 1100 by correction as to length of Catch Drainage, required. -
 I do not anticipate that the Ghat can be made of any use for Carriage traffic.

the Croftine of 1865/66, when the Blasting
above the highest zigzag should be completed
to full width, and all below to 12 feet at least.
The idea of loading Carts on the Ghant itself,
so as to make use of the lower portion I consider
impracticable; and until the approaches to its
head from the interior are also opened for
Cart traffic, the closure of the Ghant itself
can only affect the few estates near its
head.

I have the honor to be
Sir

Your Most Obedient Servant.

W. W. Walker
Supt. Engineer of Division

N.B. The above has been de-
layed since the 20th April
for want of the Detailed Es-
timates wh. have been mis-
laid in the Office - As they
are still not to be found,
the Plans & Abstract Estimate
are sent, to avoid further
delay -

W. W. Walker
7-5-64

2
1532
P.W.D.
6
Proceedings of the Madras Government
Under date the 26th May 1864
to following letter

20 April 1864
26-1/

submitted,
under the
repleting the
at as a Cart
ed.

ing the inv-
works in
two measures
logies for open-
nad Country
Communi.

5 & Mysore & the
month will

Walker moving
every exertion to prosecute
it with vigor. It is stated
that a sum of Rs. 50000 has
been provided for the project
in the Budget of 1864/5,
if necessary, further

the Croptime of 1865/66, when the Blasting
above the highest Jigzag should be completed
to full width, and all below to 12 feet at least.
The idea of loading Carts on the Ghant itself,
so as to make it a straight line, is
impractical

head from
Cart traffic
can only
be had.

Per 14th Nov/62 No 304-305

17th Dec 1864 Depo
For of Govt for Bltz!
Trans No 200

The Supg Engr
7th Division
to

The Secretary to Govt
D.R.M.

dated 20th April 1864
Depo 7th May 1864
Received 11 "

82

1532-26th May 1864

Forwards Plan & E.
stimate. (Abstract)
for Completing Sam
bracherry Ghant amt
Rs Rs. 47,550- with
Remarks.

D. R. M.

H.B.
delayed
for want
of time
laid
on or
the P.C. 13th May 1864 - R. 19th
are sent, to avoid further
delay -

W. M. S.
7-5-64

P.H.D.
1532 6

Proceedings of the Madras Government
Under date the 26th May 1864

Read the following letter

From the Supt. Engineer & Co.

Forwards Plan and Estimate
(Abstract) for Completing Sam
bracherry Ghant amounting
to Rupees 47,550. with Remarks.

The Estimate submitted,
with this letter, amounting to
Rs. 47,550, for Completing the
Sambracherry Ghant as a Cart
road, is sanctioned.

Considering the im-
portance of this work in
connection with the measures
which are in progress for open-
ing out the Wynad Country
& establishing a communi-
cation between Mysore & the
Coast, the Government will
rely on Col. Walker using
every exertion to prosecute
it with vigor. It is ordered
that a sum of Rs. 50000 has
been provided for this project
in the Budget of 1864/5,
if necessary, further

funds will be made available.

This Govt request to be
furnished, however, with a
report showing the amount
expended on the Sanitary
work up to 30 April
under the estimate now sanctioned,
1864, & the manner in
which it has been laid out.

They will then be in a
position "to judge of" what
has yet to be done for
the completion of that
communication.

(4)

Chas. J. Folger
1864/5

W. H.

To
The Surgeon, D. S.
Cont. & Asst. Secy.
Adj. Genl.
Self 27 May
13 May 1862, D. S. 195.

127 1884 Date
of No. of Good Friday

10 1882
No. of the Moore
of 26 May 84

CA 1498/65

Estimate of \$20,147,500
for completing the Vaucluse
Ghat, Malabar District as
a cart road. (continued).

Ms 588-589