M R O 1—77,006—8-6-37.

(1) Number of pages_____

(2) Date of repair_____

(3) Initials of the Referencer_____

MADRAS RECORD OFFICE.

Government of Madras.

Public DEPARTMENT.

G.O. No. 163 Press Mis.-

Dated 14. 1 1870.

Not to be folded or roughly handled

Proceedings of the Madras Government, Public Works Department, 14th January 1870.

No. 312. Read the following letter from Major R. B KENNEDY, Special Executive Engineer, Wynaad, to the Secretary to Government, Public Works Department, dated Luckadie, 9th December 1869, No 496.—

I HAVE the honour to forward an estimate* for culverts and bridges required on the road between Terriote and Manantoddy, in substitution of the timber constructions which have already been more than once renewed and are again in a state of decay This is no fault of the Range Officer, as seasoned timber was not till lately possible to obtain, and, with the exception of teak, I have not yet met with any description of wood that will stand the climate It will, therefore, I submit, be better economy to use a material which will be certain to endure, and will, moreover, prevent the constant interruptions that now take place from the failure of the present perishable structures.

* Rupees 21,235

2 I made a requisition in the Budget proposal for Rupees 10,000 on account of such of those works as could be executed in 1870-71, which I earnestly hope will be acceded to if possible, as these works are really of much importance to the district.

No. 313. ORDER THEREON, 14th January 1870, No. 163.

CIVIL WORKS, No 33.

UNDER the circumstances explained in this letter the Government approve of the estimate of Rupees 21,235 for the construction of masonry bridges and culverts in lieu of the present decayed timber structures on the road between Manantoddy and Terriote in Wynaad, but regret that they will not be in a position to provide funds for the works either in the current or during the ensuing year.

(True Extract.)

Colonel, R. E.,
Secretary to Government.

To Major R B Kennedy.
To the Controller of Public Works Accounts.
,, Accountant-General.

Exd. A. S. Rodgers.

Copied & forwarded Rupees 13788 . 4901 . .

Communication — Upper Division — New Levuka
Kalabas District

Abstract Estimate

No 18. — Constructing Kalanay Bridges and Culverts between Kanamatoby and Levuka on the road from Kanamatoby to Caloud by Lambeshessy Ghaut.

Quantity	Description of work.	Rate	Per	Amt.	Total
	Bridge No. 1.				
3401 16	No. feet Brick in Chunam	11	" "	cft. 100 1394	" "
12	do: Flooring felly in do	5	" "	do 7	8 "
850	do Arch work	45	" "	do 382	8 "
1435	Square feet plastering with two Coats Chunam	10	" "	Sqre 146	" "
2037 11	Cft. Earthwork	"	4	" Cy: 18	14 "
	Quand stones	1	" "	Ea: 4	" "
	Baling				25 " "
	Removing old Structure				100 " "
	Centring & sundries	5	" "	pct 103 2	" 2181 " "
	Bridge No. 2, 20' span				
4731 141 193	No feet Brick in Chunam	40	" "	100 cft 1947	8 "
2.	do: Flooring felly do:	5	" "	"	100 " "
83 7/8	do. Arch work	45	" "	"	405 " "
17 1/2	Sqre feet Plastering 2 Coats Chunam	10	" "	Sqre ft 173	" "
90 1/2	Cyc: Earthwork	"	4	" Cy: 22	10 "
	4 Quand Stones	1	" "		4 " "
	Baling				25 " "
	Centring & sundries	5	" "	Cent 127	14 " 2720 " "
	Bridge No. 3, 12' span				
336 103 193	No feet Brick in Chunam	11	" "	34 100	1373 8 "
10 1/2	do: Flooring felly do:	5	" "	"	5 " "
	Carried forward Rupees				1378 8 " 4901 " "

Quantity	Description of work.	No.	Dimensions	Cost	Amount	Total
	Carried forward Rupees				474 " "	12751 " "
	Brought forward Rupees				1378 8 "	4901 " "
637½	Cubical feet Brickwork	45	" "	cft 100	135 " "	
288¾	Cubl. feet Brickwork				292 8 "	
619½	Superficial Plastering with 2 Coats Chunam	10	" "	Sq.ft 100	62 " "	
		"	4 "	Sq.ft 100	10 2 "	
1095	Cubl. feet Earthwork	1	" "	Ca.	4 " "	
	4 Guard Stones				15 " "	
	Baling				34 14 "	
	Centering and Sundries	5	" "		935 " "	
	For 4 Tunnels					2940 " "
	Tunnels No. 11, 12, & 13, 6' Span			cft 100	635 8 "	
1514½	Cubical Brickwork pr Chunam	41	" "	do	28 "	
118 3/12	Flooring Jelly ditto	5	" "	do	135 " "	
299½	Cubl. feet Brickwork	45	" "			
643½	Superficial Plastering 2 Coats Chunam	10	" "	Sq.ft 100	75 " "	
1095½	Cubl. Earthwork	"	4 "	Ca.	10 2 "	
	4 Guard Stones	1	" "	Ca.	4 " "	
	Baling				15 " "	
	Centering & Sundries	5	" "	Cent	42 14 "	
	For 3 Tunnels				920 " "	2760 " "
	Tunnels No. 14, 15 & 16, 3' Span			cft 100	418 3 4	
	Brickwork pr Chunam	41	" "		1 " "	
1028	Cubical feet Brickwork pr do	5	" "	"	75 2 4	
20 3/16	do. Flooring Jelly pr do	45	" "	"	45 " "	
167 11/32	" Arch work	10	" "	Sq.ft	7 " "	
442	Superficial Plastering	"	4 "	Sq.ft	4 " "	
7411	Excavation Earthwork	1	" "	Ca.	10 " "	
4	Guard Stones				27 10 4	
	Baling	5	" "		588 " "	1764 " "
	Centering and Sundries					
	For 3 Tunnels					
	Tunnels No. 17 & 18, 3' Span			cft 100	348 8 "	
	Brickwork pr Chunam	41	" "		1 " "	
834⅜	Cubical Brickwork pr do	5	" "			
20 13/16	do. Flooring Jelly do				349 8 "	20215 " "
	Carried forward Rupees					

Quantity	Description of work.	No.	Dimensions	Cost	Amount	Total
	Brought forward Rupees				1378 8 "	4901 " "
637½	Cubical Brickwork	45	" "	cft 100	292 8 "	
144	Superficial Plastering	10	" "	Sq.ft 100	142 " "	
1797	Cubical Earthwork	"	4 "	Cft	11 5 "	
4	Guard Stones	1	" "	Ea.	4 " "	
	Baling				25 " "	
	Centering	5	" "	Cent	101 5 "	1460 " "
	Bridge No. 4 & 5, 12' Span					
3150 97/144	Cubic feet Brickwork pr Chunam	41	" "	cft 100	1291 5 "	
104 12	Do. Flooring Jelly pr Chunam	5	" "	do	5 " "	
598½	do. Arch work	45	" "	do	270 " "	
1286.	Superficial Plastering with 2 Coats of Chunam	10	" "	Sq.ft	125 " "	
1554 9/18	Cubical Earthwork	"	4 "	Cft	14 4 "	
4	Guard Stones	1	" "	Each	4 " "	
	Baling				25 " "	
	Centering & Sundries	5	" "	Cent	55 2 "	
					1826 " "	
	For 2 Bridges					3641 " "
	Bridge No. 6. 15' Span					
4062 11/16	Cubical Brickwork pr chunam	41	" "	cft 100	1665 " "	
131 13/16	Superficial Flooring Jelly do	5	" "	"	7 8 "	
622½	Cubical feet Arch work	45	" "	"	279 " "	
1399½	Superficial Plastering with 2 Coats of Chunam	10	" "	Sq.ft 100	140 " "	
76	Cubical Earthwork	"	4 "	Cft	19 " "	
4	Guard Stones	1	" "	Ea	4 " "	
	Baling				25 " "	
	Centering & Sundries	5	for	185 " "		2240 " "
	Tunnels No. 7, 8, 9 & 10, 6' Span					
1132½	Cubical Brickwork pr chunam	41	" "	cft 100	471 8 "	
48 9/12	do Flooring Jelly pr chunam	5	" "	"	25 " "	
						19751 " "

Special Rs Engineer's Office
Ku Ka dee Wynaad 9th December
1869

No. 196.

From

Major R. B. Kennedy
Spl. Rs Engineer Wynaad

To,

Colonel C. A. Orr R.E.
Secy to Govt. P. Works
Madras.

Sir,

I have the honor to forward an Estimate for Culverts and Bridges required on the road between Sultan's and Chamundy, in substitution of the timber constructions which have already been more than once renewed, and are again in a state of decay; this is no fault of the Engineer officer, as seasoned timber was not till lately possible to obtain; with the exception of teak, I have not yet met with any description of wood that will stand the climate, it will, therefore, I submit be better economy to procure material which will be certain to endure, and will moreover prevent the constant interruptions that now take place from the failure of the perishable structures.

2. I made a reconnaissance in the

Rs 2,235 - - -

Abstract of Estimate for Culverts and Bridges between Sultan's Battery and Chamundy.

Description of Work.	Rate	No.	Amount	Total
13 Span Bridges. Rupees			349 8 -	2,235 - -
16 7/12 Culvert Arches	15 - -	111	75 9 4	
57 1/4 Aqueducts (Platforms)	10 - -	45	35 - -	
7 1/4 Earth Work	- 4 -	Ea:	7 - -	
11 Guard Stones	1 - -	- -	11 - -	
13 Railing			16 - -	
Contingencies			21 8 -	
			510 - -	
For 2 Years				1020 - -
Total Rupees.				2,235 - -

Spl. Rs Engineer's Office
Wynaad Vythiry 9th December 1869.

R. B. Kennedy Major
Special Rs Engr Wynaad

I certify that the Estimate is correct, and that the Bridges are required for the purposes stated.

R. B. Kennedy
Major
Spl. Rs Engr Wynaad

Estimate for Culverts and Bridges between Sultan's Battery and Chamundy.

Budget for proposed fees. Estimate $1100.
on account of book of blanks would
be needed by an officer which
frequently happens will be necessary to
be paid, and there would be no end of
much information to the individual.

Have the honor to be
Sir,
Your most obedient Servant

R. H. Kennedy Capt
Off. in C. Engineers Maryland

No 163

Proceedings of the Madras Government
Under date the 13th January
Read Minute -

From the Secretary
Civil Department -

Under the circumstances
explained in this letter the
Govt approves of the selection
- make of Rs 21,235 for
the construction of masonry
- ry bridges and culverts
in lieu of the present
decayed timber bridges -
- tures on the roads re-
- tween Mangalore today
- Kaveri Mamandoor
and Tarrikere in Hyder
Ali's Territories

No 312

No 163 13th January 1870

Forwarded
To, The Secretary to
Govt. of Madras
Public Works Department
Public Department
Fort St George

Forwarded
To, The Secretary to
Govt. of Madras
Revenue

but regret that they will not be in a position to provide funds for the works either in the current or during the ensuing year.

To
Major Kennedy
The Comptroller of Public Accts
&c &c &c

Rec 5th 15

Govt. of Madras.

PUBLIC WORKS.

To Major R. B. Kennedy

Dated

Read

G. O. 14th January 1870. No. 163

Nos. 312-313.

Bridges & Culverts Estimate for the 21235 for the construction of certain Masonry bridges and culverts on the Road between Dharmapuri & Periakottapatti & Hyderabad, offered under Government