M.R.O. 1—77,006—8-6-37.

(1) Number of pages 20

(2) Date of repair 5-1-1943

(3) Initials of the Referencer

MADRAS RECORD OFFICE.

Government of Madras.

Public works DEPARTMENT.

G.O. No. 294
612-613

Press
~~Mis.~~

Dated 25-1-1866.

Not to be folded or roughly handled

Proceedings of the Madras Government, Public Works Department, 25th January 1866.

No. 612. Read the following letter from the Superintending Engineer, 7th Division, to the Secretary to Government, Department Public Works, dated Coimbatore, 8th January 1866, No. 225:—

As noted in the final paragraph of my letter printed with Government Order No. 3,787, of 18th December 1865, I have the honor herewith to submit for sanction plans and estimates for bridges and drains proposed to be built this year on the Cooloor and Hallada road Circuits, and request that the necessary funds may be made available by transfer from the maintenance allotments of the same, viz.:—

Cooloor Road Circuit.	Rs.
Bridge No. 1, between Wundsay and Cooloor...	800
,, ,, 2, do, do.	900
Total	1,700

Hullada Road Circuit.

Bridge over nullah near the Wotay hullah, on road from Agoomby Ghát to Mangalore	1,200
Timber bridge No. 9 over Sirgooly nullah on road from Agoomby Ghát to Hallada	1,085
Total	2,285

No. 613. Order thereon, 25th January 1866, No. 294.

CIVIL WORKS, No. 105.

The Government sanction the estimates submitted with this letter, amounting to Rupees 3,985, for bridges and drains on the Cooloor and Hallada road Circuits. They approve of the manner in which Colonel Walker proposes to provide funds for these works, and the sanction of the Government of India to the transfer now authorized will be applied for in due course.

(True Extract.)

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

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

Exd. S. T. Augustin.

Detailed Estimate No. 25 of 1865/66.
District South Canara.

Work: Construction of a Masonry Bridge next to Kottay Mullah on the Road from Soucishwar to Mangalore in the Kallandee Road Circuit.

Particulars of Work.	Measurement Length	Breadth	Height &c	Contents
Foundation to abutments	21¾	5¼	4.	2. 913½
Do to wingwalls	10½	3¾	4.	4. 630.
Abutments abroad	21.	4½	1½	2. 283½
Wingwalls above	10½	3	5.	4. 630.
	10½	2¾	1½	4. 141¾.
	15.	2¼	3½	4. 472½
Backing to arches	21.	3¼	6½	2. 687¼
Face or side walls over the arches	3.	2¼	3½	4. 94½
Blocking course	44	2¼	½	2. 99.
Parapet walls	44	1½	3.	2. 396.
Laterite in chunam Cubic feet				4548.
Arch to Bridge	24½	21.	2¼	- 1156¾.
Laterite arch in chunam Cubic feet				1156¾.
Centring to arch work Running feet				14.
Arch inside	22	21.	-	- 462.
Abutments	21.	1½	-	2. 63.
Parapet walls on both sides & the top	45½	7½	-	2. 682½
Plastering with 2 coats of chunam Sq. feet				1207½
Wingwalls outside	15.	10.	-	4. 600.
Face or side walls over the arch	7.	4	-	4. 112.
Pointing with chunam Sq. feet				712.
Foundation to abutments	22½	6	4.	2. 1080.
Do to wingwalls	11.	4½	9.	4. 1782.
Excavation for foundations Cubic feet				2862.

Coondapoor Range Office,
S. Canara,
Camp. Carrapady.
24th November 1865.

Peter Thwaites
Asst Exec Engr

Abstract Estimate No 25 of 1865/66.
District South Canara

Work: Construction of a masonry Bridge near Mottay Lulle on the Road from Soncishwar to Mangalore in the Mallandee Road Circuit.

Journal	Description of Work.	Rate	Amt.	Total.
4548.	Cubic feet of laterite in chunam ___ per cubic feet	18. -	818.10.2.	
1156⅞	Do ___ of laterite arch work in chunam ___ per 100 C feet.	21. -	242.14.3.	
14.	Running feet of centring ___ per R.ft	2. 8.	35. - -	
1207.	Square feet of plastering with 2 coats of chunam ___ per Sqe	4. - -	48.4.9"	
712.	Square feet of pointing with chunam ___ per Sqe	1. 8.	10.10.10	
2862.	Cubic feet of earthwork ___ per C feet	- - 1.	11.11.6.	
	Sundries		29.9.6.	
				1200. - -
	Total Estimate Rs.			1200. - -

Asst or Coondapoor Range Office,
South Canara,
Camp Caradady,
24th November 1865.

C. Ker Thompson
Asst Engineer

W. Walker Lt. C.E.
Supt Engr.

Checked 1866

Detailed Estimate No. 24 of 1865/66.

District Sonth Canara.

Work. Construction of a Timber Bridge or Bridge No 9. Comp the Sirsoh Station on the Soonderwan & Hallandee Road with the Hallandee Road Circuit.

Particulars of work.	Measurement Length	Breadth	Height	No.	Cost Rate
Foundations & abutments	18¾	5¼	3	2.	590⅝.
do 6 wingwalls	11	3¾	3	4	495
Abutments above	18	3¾	6	2	810.
Spaces between the beams over abutments	2	3	2	14	168.
Wingwalls	11½	3	4½	4.	621.
Parapet walls	12	2¼	4	4.	432
Datentie michuram Cubic feet	13½	1½	3	4.	243.
Abutments	18	6	-	2.	3359⅞
Wingwalls	15	8½	-	4.	216
Pointing with Chunam Superfet					570
parapet walls on both sides	15	7	-	4	726
Plastering with 2 coats of Chunam Superfet.					420.
Woodwork.					420.
Spanning beams	24½	8"	1'	6	98.
Sleepers	7¼	8"	1	12	58
Struts	6'	8"	8"	12	32
Queening posts	16'	3"	4½"	8	12
Extra ditto	22'	3"	4½"	5	10 5/16
Posts	3'	3"	4"	10.	2½
Struts for posts	5'	3"	4"	10.	4⅛
Cap Rails	23'	3"	4"	2	3⅝
Sleeper do.	23'	2"	3"	4	3⅝
Wastage					45 7/48
Jungleman & wrought Anchorage	Cubic feet				270.
Planking	23'	16	18		46
Wastage					6
Jungleman & planking	Cubic feet				52.
Foundations 6 abutments	19½	6	3	2	702
do 6 Wingwalls	12	4	6	4.	1152
Earthwork	Cubic feet				1854

No. 11 or Canara Sapper Sappers
South Canara
Camp Carwar
24th November 1865.

Lieut Engineer
Asst Engineer
in charge Sub Division

Abstract Estimate No 24 of 1865/66.

District Saltcanna.

Work. Construction of a Timber Bridge or Bridges Acq across the Circularly Nallah on the Saniceduwa and Kalanda Road with the Kalandee Road Extent.

Quantity	Description of work	Rate	Amt.	Total.
23597/8	Cubic feet of Teak timber per cent	18 -	604 11 5	
726.	Superfeet of planing with Chunam per Sqr.	1 8 -	10 4 2	
420.	Do of plastering with 2 coats of chunam	4 -	16 2 9	
270.	Cubic feet of Junglewood wrought & unwrought per cft	1 4 -	337 8 -	
52.	Do of Junglewood flooring	1 8 -	78 - -	
1864	Do of Earthwork	- - 1	9 10 6.	
	Sundries		27 6 11	
				1085 - -
	Total Estimate Rupees			1085 - -

North Coromandel Range Office
South Canara
Camp Carwar
24th November 1865

Peter Finnerty
Ag Sub Engineer
1st Class P.W.D.

W. Walker Lt Col
Insp Genl

Checked 1866

Detailed Estimate No of 1865 66 [illegible]

South Canara.

Coondapoor or No 2. Range.

Work. Construction of Bridge No 2 on the road from Wundsay to Coloor in the Coloor road Circuit

Particulars of Work.	Measurement L.	B.	D.	No	Contents.
Foundation to Abutments	21¾	5¼	3	2	685 ½.
Do to Wing walls	10½	3¾	3	4	472½
Abutments above	21	4½	1	2	189
Backing to Arch	21	2¼	5	2	682½
Wing walls	10½	3	4	4	504
	10½	2¼	1½	4	189 ¼
	15½	2¼	1½	4	209¼
Face walls	5	2¼	3¼	4	33¾
Blocking Course	40	2¼	½	2	90.
Parapet walls	40	1½	3	2	360.
Laterite in Chunam	Cft				3415 ½
Arch work Circular	Cft	18	21	2¼	850½
Pointing					10.
Abutments	21	1	-	2	42
Arch inside	16	21	-	-	336
Parapet walls on both sides including blocking Course	41½	8	-	2	664
Plastering 2 coats of Chunam	Sqft				1042
Wing walls	15	7½	-	4	450
Face walls	5	3½	-	4	65
Pointing in Chunam	Sqft				515
Foundation to Abutments	21¾	5½	3	2	685 ½.
Do to Wing walls	10½	3¾	3	4	472½
Excavation Cftt					1157 ⅝.

Estimated by me

Asstt Engineer

D. P. W.

Examined & Recommended

Executive Engineer

D. P. W.

Sanctioned for Rs 1865-0-0

Superintending Engineer

Circle Circuit & Division

Rs. [illegible]

Estimate Rs 1865-0-0

Superintending Engineer

Circle Circuit & Division

Rs. [illegible]

Executive Engineer

D. P. W.

Asstt Engineer

D. P. W.

Estimated by me

Asstt Engineer

D. P. W.

Examined & Recommended

Executive Engineer

D. P. W.

Estimate Rs 1865-0-0

Abstract Estimate No. of 1865-66

South Canara.

No 2. or Coondapoor Range.

Work. Construction of Bridge No 2 on the road from Coloor to Undaly, on the Coloor Road Circuit.

Quantities	Description of Work.	Rate	Amt	Total.
3145⅝	Cubic feet Laterite nishuman per 100 C.ft.	18	614	11.7
830½	C.ft. of Laterite Arch Work in Chunam per 100 C.ft.	21	178	9.8
10	Running feet of Centring	28	25	..
1042	S.ft. Plastering with 2 Coats of Chunam per 10ge.	4	41	10.10
575	S.ft. of Pointing with Chunam. per 10ge ft.	18	7	11.7
1157½	C.ft. of Excavation for foundation per C.ft.	..	1	6.5
	Sundries.		26	3 11900
	Total Rupees		900	..

No 2. or Coondapoor
Range Office
South Canara
Manj.re Dec 3.
January, 1866.

Lieut Engrs
Asstg Engr
Executive Engr
Superintt

Detailed Estimate No. 26 of 1865. 66.

South Canara.

Coondapoor or No. 2. Range.

Work. Construction of Bridge No. 1 on the road from Wundsay to Soloor in the Soloor road Circuit

Particulars of work.	Measurement L.	B.	D.	No.	Contents
Foundation to Abutments	21¾	5½	3	2	685⅛
Do to Wing walls	10½	3½	3	4	472½
Abutments above	21.	3	1	2	126.
Backing to ditto	21.	1½	1	2.	63.
Ditto to Arch	21.	2¾	4½	2.	339¾
Wing walls	10½	3	3½	4	441
	10½	2¼	2	4	189.
	14½	2¼	1	4	130½
Face walls	3.	2¼	½	4	13½
Blocking Course	38	2¼	½	2	85½
Parapets Walls	38	1½	3	2	342.
Laterite in chunam C.ft					3067⅞
Arch work. Circular C.ft	15	21	2¼		708¾
Centring Sq.ft					8
Abutments	21	1	-	2	42
Arch inside	13	21	1	-	273
Parapet walls on both sides including blocking Course	39½	8	-	2	632
Plastering 2 coats of chunam Sq.ft					947.
Wing walls	15	6½	-	4	390.
Face walls	4	3	-	4	48
Pointing with chunam Sq.ft					438
Foundation to Abutments	21¾	5¼	3	2	685⅛
Do to Wing walls	10½	3¼	3	4	472½
Excavations C.ft					1157⅝

T. Ashe Engineer
Acting Sub. Engr
P.W.D.

P.W. Division

South Canara

No. 2. Range

This is the Estimate referred to in my Progress Report of the 6th Instt. No. 225 of 1865

P.W.D. Bungalow Coondapoor 16th Nov. 1865

Estimate for Contracting Bridge No. 2 on the road from Kundapoor to Soloor Circuit.

Rs. 900 - - -

Rs. 27 of 1865-66.

Abstract Estimate No. 26 of 1865-66

South Canara.

Coondapoor or No. 2. Range.

Work Construction of Bridge No. 1 on the road from Windsey to Coloor in the Coloor Road Circuit.

Quantity	Description of Work	Rate	amt.	Total.
3067 7/8	Cubic feet of laterite within			
	Chunam per 100 C/ft	18 - -	552 3 6	
708 3/4	C/ft of Laterite Arch work			
	in Chunam per 100 C/ft	21 - -	148 13 5	
68	Running feet of Centring			
	per R/ft	2 8 - -	20 - -	
947	Sq. feet of plastering with			
	2 Coats of Chunam per Sq.	4 - -	39 14 1	
438	Sq feet of pointing with			
	Chunam per Square	18 - -	69 1	
1157 5/8	C/ft of Excavation for			
	foundation per C/ft	- - 1 6	- - 5	
	Sundries.		28 76 800	- - -
	Total Rupees		800	- -

Coondapoor or No. 2.
Range Office,
South Canara.
Mangalore 3 January
1866.

Acting Sub. Engineer
D.P.W.

Overseer

No. 225 Public Engineer's Office
Colombo 5th January 1866

From
Lieut Colonel H. Walker R.E.
Superintending Engineer P.W.D.

To
Colonel C.H. Dyas R.E.
Secretary to Government N.W.P.
Kandy

Sir,

I submit for the favorable consideration of His Excellency the Governor the accompanying Plan and Estimate for Building a Bridge over the Kalu Ganga on the Road from Ratnapura to Colombo, and request that the necessary Funds may be made available by the 1st July next, the Season when alone the Work can be executed.

I have &c.
(Sd) H. Walker
Lieut Colonel R.E.

Bridge No. 1 Kalutara Windsor Estate N.W.P.

Do — 2 — do — do — 500

Estimate 1100

Building Bridge 70 feet long
Abutments on rock from foundation
Piers to Navigable depth
Timber Bridge over Navigable Channel
Contingencies 10 per Cent

Total Rupees 2285

Have the honor to be
Sir
Your most obedient Servant
(Sd) H. Walker
Lieut Colonel R.E.

Conversion
South Canara
No 2 Range

In a letter from the Superintending Engr P.W.D. No 225 to the Secretary to Govt N.W.P.

No 180/66.

No 126 of 1865-66.

Estimate for Constructing Bridge No 1 on the Road from Windsor to Kaloor on the Kaloor Road Circuit

Rs 800-- --

From 25th January 1866 Lt 612.

Rec. 15 Dec. 65 ch 314 315

No. 612. 613

Rec. 7 Jan. 1866 Depte
Letter from Govt. for January 1866

The Superintendent
To
The Secretary to Govt
of Madras

No. 225
dated 8 January 1866
Rec'd 15 "
Ans. -
No. 29 dated 25 January 1866.

Submits for sanction Plans and Estimates for Bridges and Drains proposed to be erected on the Coloor and Wallaja Road Circuits.

William Order

Cost Works

No. 29

The Government sanction the Estimates submitted with this letter, amounting to Rs. 3,985, for Bridges and drains on the Coloor and Wallaja road Circuits. They approve of the manner in which Colonel Walker proposes to provide funds for these works, and the sanction of the Govt. of India to the transfer now authorized will be applied for in due course.

Fort St. George
25 January 66

The Rt Hon'ble
Sir Charles Trevelyan Bart
&c &c &c

Letter 26 January

C. 18 Jany 1866. Ch. 22nd