G.O. 1—27,000—8-47.

(1) Number of pages 16

(2) Date of repair

(3) Initials of the Reference

MADRAS RECORD OFFICE.

Government of Madras.

Public Works DEPARTMENT.

G.O. No. 26 Press Mis.

52-57

Dated 6 — 1 — 1960.

Not to be folded or roughly handled

Proceedings of the Madras Government, Public Works Department, 6th January 1865.

No. 53. 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 Coimbatore, 9th December 1864, No. 203:—

SIR,

1. The liberal grants in the Budget of 1864-65 and in Government Order No. 3,348 of 22nd November, providing for the completion of the bridges over the four large rivers, which occur between the foot of Charmady Ghát and Mangalore, it is time to bring forward the accompanying plans and estimates for completing the minor bridges and drains on that line; in doing which I shall use Lieutenant Filgate's description of them. I propose to provide in the Budget of 1865-66 for the construction of the Poonjalcotta bridge and two others, numbered 6 and 8; the estimates for which aggregate Rupees 6,055, out of a total of Rupees 13,195

Enclosures 15.

2. "The Poonjalcotta river is now the only river of any size on the Charmady road, "for which a bridge has not been sanctioned, and as the water rises very high during the mon- "soon, I think it highly desirable, if not necessary, that it should be bridged

3. "In the project for minor bridges, No. 1 is across a Nullah which has never been "bridged, even temporarily, and which brings down a good quantity of water during the "monsoon.

4 "No. 8 is situated about quarter of a mile east of Ugira (and about which you spoke to "me when on your tour last February), for about eight months in the year the water varies in "depth from four feet to a few inches, and when I took the section last month, the road for a "length of 30 yards was covered with water. I propose to cut a channel in the middle of this "1½ feet deep, and construct the bridge shewn in the plan."

5. "The other bridges are to re-place temporary structures, many of which give way each "monsoon, and all of which require constant repair.

6. "The rates may appear high, but owing to the rise that has taken place in labor and materials, I do not think good work can be guaranteed for less."

No. 54. ORDER THEREON, 6th January 1865, No. 26.

The Government sanction the estimates, amounting in the aggregate to Rupees 6,055, for the three bridges named in the margin on the road between Mangalore and the foot of the Charmady Ghát in the South Canara District, and they authorize provision being made for them in the Budget of 1865-66. The other estimates for minor bridges on the same line should be brought forward at some future time.

Poonjalcotta bridge.
Goorooyankeray do
Ugira do.

(True Extract.)

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

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

Exd. S. T. Augustin.

Estimate No 1 of 1864/65.

District South Canara

Work Constructing a Masonry Bridge across the Ponjalacattal River on the Karmady Road.

Particulars of Work	No	Dimensions Ft	In	No	Measurement Contents
					13:2 8
Foundation & abutments	20½	6½	5	2	132 ½
Ditto to Pier	28½	5	5		712½
Abutments	20	10	5½	2	2,300
Pier	20	10	4½		900
Pier	10½	5	3½	4	708¾
Pungwalls	14	2	3½	2	196
Pungwalls	24½	14½	2¾	4	3,207¾
Backing to arches	20	43	4	2	6933
Filling in between arches	20	3½	4		300
Spandrills	9	5½	2¼	4	418½
Spandrills	29½	2	2¼	2	265½
Blocking courses	114½	½	2	2	229
Parapets	114½	3	1	2	687
Cutwaters	4½	10	2	2	180
Cap to ditto	4½	4	1	2	36
		Deduct in Cubic feet			12,864½
Archwork with ditto	34¾	2¼	20		3127½
Cordon work Rft					229
Coating "					50
Abutments	20	10		2	400
Piers including cutwaters	30	10		2	600
Pungwalls	30	14½		4	1,740
Spandrills	12½	6		8	600
Parapets	5	4		2	40
Cap to Cutwaters	231	3		2	1386
Parapets					4766
Coating with Chunam Rft					
Plastering under the arch "	31½	20		2	1260
Excavating foundation Cubic					338
Earthwork "					942
		Total Cubic yards			1300

Bootor Rangetoffice
South Canara
Surveyed
6th October 1864

Alex. J. Elliott Assistant
Assistant Engineer

Abstract Estimate No of 1864/65.

District South Camara.

Work Constructing a Masonry Bridge over the Pongalaattah River on the Charnaady Road.

Quantity	Description of work	Rate	Amount	Total
12,862	Cft. of Patrit in Chunam	Cent. Cft.	18 . .	2315 . 27
3127½	" Brickwork in Mortar	"	21 8 .	672 67
229	Rft. of Cordon work	Rft.	" 5 .	71 9 .
50	" of Coating	"	5 . .	250 . .
4766	Sqrft. of Pointing with Chunam	Sqrt.	1 12 .	83 66
1,260	" of Plastering under the arch	"	5 . .	63 . .
1,300	Cyards of Earthwork	Cyd.	. 2 9	223 7 "
	Sundries and Superintendence		274 ~ 4	270 . 1 11 3950 . .
	Total Rupees			3950 . .

Pootoor Range office
South Canara
Cirangy
6th October 1864

Alex. J. Wyatt Lieut. R.E.
Superintendent Engineer
South Canara

Examined
Lieut. R.E.
Superintending Engineer &c.

No 5340/64

Rec'd 6 January No 53.

Superintending Engineer's Office 7th Dec.
Coimbatore 5th December 1864.

No 263

From,

Lieutenant Colonel C. de Walden R.E.
Superintending Engineer 7th Circle,

To,

Colonel C. A. Orr R.E.
Secretary to Govt. P.W.D.

Sir,

Enclosures 15.

The Liberal grants in the Budget of 1864/65 and in Government Order No. 2348 of 22nd November, provided for the completion of the Bridges over the four large Rivers which occur between the foot of Charnady Ghaut and Manamadura it is time to bring forward the accompanying Plans and Estimates for completing the Minor Bridges and Drains on that line; in doing which I shall use Mr. Gilgate's description of them. I propose to provide in the Budget of 1865-66 for the construction of the Pongalculla Bridge, and 2 others numbered 4 and 8; the Estimates for which aggregate Rupees 6035 out of a total of Rupees 13195.

2. "The Panjalcollah River is now the only "River of any size on the Charnady Road, for "which a Bridge has not been sanctioned, and "as the water rises very high during the Monsoon

"I think it highly desirable, if not necessary,
"that it should be Bridged."

3. In the project for Minor Bridges, No. 1
"is across a Nullah which has never been Bridged,
"even temporarily, and which brings down
"a good quantity of water during the Monsoon."

4. No. 8 is situated about ¼ of a mile
"east of Ingira (and about which you spoke
"to me when on your tour last February); for
"about 8 months in the year, the water varies
"in depth from 6 feet to a few inches and when
"I took the section last month, the Road for-
"a length of 30 yards was covered with water.—
"I propose to cut a channel in the middle
"of this 2½ feet deep and construct the Bridge
"shown in the Plan."—

5. The other Bridges are to replaced
"Temporary Structures many of which give
"way each monsoon all of which require
"constant repair."—

6. The rates may appear high, but—
"owing to the rise that has taken place
"in labor and Materials I do not think
"good work can be guaranteed for less.—

I have the honor to be
Sir
Your most obed. Servant

Lieut. Col. R.
Supg Engineer 7th Div.

Comptg Dr.

Pub. 22d Nov/61, Mil, 647-648

1864 Dept
Pub: of Govt for January
Fort 1865 No. 5540

The Officiating Engineer
4th Division

To The Secretary to Govt
Do Dept

No 263

Dated 9th December 1864
Received Do

Enclosed No 1

Estimate Plans and Estimates
for completing Bridges and
Drains on the road between
the foot of Chundrakote Ghaut
and Mangalore Amounting
to Rs 163195 - -

Public Works
No 26 - 6th Jany 1865.

No. 553-54

Encl. 19th Dec. 1864 No. 245

No 26

The Government sanction the estimates amounting in the aggregate to Rs 6055 for the three Bridges named in the margin on the road between Mangalore and the foot of the Chermady Ghaut in the South Canara District, and they anticipate provision being made for them in the Budget of 1865/66 - The other Estimates for minor bridges on the same line should be brought forward at some future time -

Brinjalcutta Bridge
Goorooyanburay do
Elgina —— do

To The Superintending Engr Works in Coorg
—— Collr of South Canara
—— Conservator of Forests
—— Accts Genl

Chepauk 6th Jany 1865

Dept 9th January 1865