M.R.O. 1—77,006—8-6-57.

(1) Number of pages 8

(2) Date of repair

(3) Initials of the Referencer

MADRAS RECORD OFFICE.

Government of Madras.

Public works DEPARTMENT.

G.O. No. 1055 Press ~~Mis.~~

334-335

Dated 13-4- 1866.

Not to be folded or roughly handled

Proceedings of the Madras Government, Public Works Department,
13th April 1864.

No. 334. 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, 31st March 1864, No. 367:—

SIR,

1. I have the honor to submit for sanction and provision of the necessary funds an Estimate of Rupees 1,200, for re-construction of certain small bridges in Cochin, approved of by the Collector, and further advocated by the Joint Magistrate of the Town in a letter herewith transmitted. Cochin is a place of such considerable population and importance as to render desirable a good deal of attention to the state of its drainage and roads. Yet it is altogether unprovided for in the Public Works Establishment as now constituted; and the late removal of the European Thasildar, by whom the executive operations of our Department were conducted, having brought matters to a crisis, I take this opportunity of submitting an original letter on the subject from the Supervisor of Paulghaut Range.

2. Mr. Smither has three very large Táluqs under him, with three European Overseers fresh from the College, whom he has stimulated by his own good example, and personally assisted to carry on numerous works, both from Imperial and Local Funds, very much to the satisfaction of every one. But it will be impossible for him to attend to Cochin work effectually next year, more especially when the construction of a Light House is undertaken, for which the Plan and Estimate are now under preparation.

No. 335. ORDER THEREON, 13th April 1864, No. 1,055.

1. The Estimate of Rupees 1,200 for the re-construction of certain small bridges in Cochin is sanctioned from the Reserve.

2. The proposal to appoint an Overseer to the charge of works in Cochin will receive the consideration of Government.

3. It will be ascertained from the Judicial Department whether arrangements can be made for locating a small body of Convicts at Cochin for employment in cleansing the Town, and in repairing the roads or other petty Maramut operations.

(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.
„ Judicial Department.

Exd. S. T. Augustin.

24. E 67

Talipanat Range 7

Estimate of the probable expenses for Repairing certain Bridges and Tunnels in the Town of Cochin in Malabar District.

Sheet No	Nature of work	Measurement: Length	Breadth	Depth	Superficial Contents	Cubical Contents	Particulars of Work	Price	Rate	Amount	Total	Remarks
Cochin	Repairing Certain Bridges and Tunnels in the Town of Cochin						**Manthrenchery Bridge**					
		36	3	5	"	540	Underpinning Abutments					
						540	Total Cubical Contents of Rough Stone in Chunam @	22	" per Cft	118 12 10		This Bridge is in want of immediate Repairs & Removal of the Earth Collected, Piers, Pierres & Trusting
		30	" 9	1	"	22½	Supporting Piers					
		30	" 6	9	"	11¼	Struts to Do					
		17	" 4	6	"	2⅝	6 New Posts to Hand rails					
		72	" 9	12	"	6¾	6 New Planks					
						43⅓	Total Cubical Contents of Wood wrought and put up @	1	2 " per Cft	48 12 "		
							6 Iron Elbow Pieces (Side 1 foot long) with Screws for Securing the foot of hand rail @	1	4 " each	7 8 "		
							20 Cubicks of Metalling for Approaches @	1	" per Cft	20 " "		
							Repairing Parapets, Conducting Drains, baling out Water and Sundries			24 15 2		
							Total for Manthrenchery Bridge				220 " "	
							Rebuilding Cheetta Thodu Bridge					
		72	2½	4	"	648	Foundation to Side and Wing Walls					
		24	1½	3	"	108	Side Walls above					
		48	1½	2	"	144	Wing Walls above					
						900	Total Cubical Contents of Granite in Chunam @	22	" per Cft	198 " "		
		75	¾	1	"	56¼	Girders					
		15	12	¾	"	45	Planking					
		2	½	¾	"	2	Posts to Hand rails					
		10	½	¾	"	5	Top and bottom rails					
		30	¼	¾	"	1¼	Centre rails					
						109½	Total Cubical Contents of Wood wrought and put up @	1	2 " per Cft	123 3 "		
							8 Iron Elbow Pieces with Screws @	1	4 " each	10 " "		
							Removing old work, Excavating for foundation and Sundries			28 13 "		
							Total				360 " "	
							Carried forward				580 " "	

Continued

Sheet No	Name of work	Measurement Length	Breadth	Depth	Subsequent Contract	Quantity Contract	Particulars of Work	Price	Rate	Amount	Total	Remarks
							Brought over				580	
							Tunnel across of Shilla Bridge					
		16	1 1/8	4	"	120	Side Walls including foundation					
						120	Total Cubic feet of Labour in Masonry @	22	" per Cft	26 6 5		
		22	1/2	3/4	"	8 1/4	1 Joist					
		11	4	1/4	"	11	Plan Ring					
		22	1/4	1/4	"	1 3/8	1 Cleat					
						20 5/8	Total Cubic feet of wood brought and put up @	1 2	" per Cft	23 3 3		
							Digging foundation and Sundries			10 6 4		
									Total		60	
							Reconstructing Upperavady Bridge on the road from Cochin to Pailon					
		60	2	4	"	480	Foundation to Side walls and Wings					
		60	1 2	4	"	360	Side and Wing walls ditto					
						840	Total Cubic feet of Labour in Masonry @	22	" per Cft	184 12 10		
		7 8	3/4	1	"	5 8 1/2	6 Girders					
		18	12	1/4	"	54	Plan Ring					
		24	1/4	1/4	"	1 2	1 Cleat					
						114	Total Cubic feet of Wood brought and put up @	1 2	" per Cft	128 4 "		
							Digging foundation, removing old work and Sundries			26 15 2		
									Total		340	
							Reconstructing a Tunnel 3 x 2 on Same road					
		40	1 2	4	"	240	Side Walls and Wings including foundation					
						240	Total Cubic feet of Labour in Masonry @	22	" per Cft	52 12 10		
		22 2	1/4	1/2	"	2 3/4	5 Joists					
		15	4	1/4	"	15	Plan Ring					
		8	1/4	1/4	"	1	Cleat					
						18 5/16	Total Cubic feet of Wood brought and put up @	1 2	" per Cft	20 9 7		
							Digging foundation and Sundries			16 9 7		
									Total		90	
							Renewing Platform &c of Shyagoody Bridge on Salur road					
		44	3/4	1	"	33	Girders					
		15	10 1/2	1/4	"	39 3/8	Plan Ring					
		21	1/2	1/4	"	1 5/16	Cleat					
						73 11/16	Total Cubic feet of wood brought and put up @	1 2	" per Cft	82 14 4		
							Repairing Abutments and Wings			10 " "		
		64	4 1/8	3/4	"	198	Raising Roads Approach					
						198	Total Cubic yds of Earthwork @	" 2	" per cyd	24 12 "		
							Removing old work and Sundries			12 5 8		
									Total		130	
							Total Estimated Amount Rupees				1200	

Repairing Cutcha Bridges and Tunnels in the Town of Cochin

This Tunnel has to be entirely disposed of

This Platform of this Bridge is very rotten and requires renewing

This Tunnel of the dimensions shown is very much choked up and requires opening, clearing out and rebuilding as soon as possible.

Palghaut Range Office
Palghaut 18th July 1844

Recd 20 22 32.6 Acting Fdlr

C. H. D. Crome
Superintendent 1st Division
in charge of Palghaut Range

H. H. Thuillier

No. 367

From

Lieut. Col. J. H. Walker R. E.
Superintending Engineer, 7th Div.

To

Colonel C. A. Orr. RE
Secretary to Government E.I.C.

Sir,

I have the honor to submit for sanction, & provision of the necessary funds, an Estimate of Rs 1,200 for reconstruction of certain small bridges in Cochin, approved by the Collector, and further advocated by the Joint Magistrates of the Town in a letter herewith transmitted. Cochin is a place of such considerable population and importance as to render desirable a good deal of attention to the state of its Drainage and Roads. Yet it does is altogether unprovided for in the Public Works Establishment as now constituted; and the late removal of the European Assistant by whom the Executive operations of our Department were conducted, having brought matters to a crisis, I take this opportunity of submitting an Original letter on the subject from the Superintendent of Punjghaut Range.

Mr Smithen has 3 very large Talooks under him, with 3 European Overseers fresh from the College, whom he has stimulated by his own good example, and personally assisted, to carry on numerous works, both from Imperial & Local Funds, very much to the satisfaction of every one — But it will be impossible for him to attend to Cochin work effectually next year, more especially when the construction of a Light House undertaken, for which the Plan & Estimate are now under preparation.

I have the honor to be,
Sir,
Your most obed. Servant
J. Walker Lt. Col. RE
Superintending Engr 7th Div

Superintending Engineer's
7th Division
Coonoor 31st March
1861

Enclosure from Superintending Engineer's Certain Bridges and Estimate on the same in the Town of Cochin

Submitting for Sanction

Submitting 10 OB 1200 — c

Enclosure from Superintending Engineer's Punjghaut Range 7th Division No 369 dated 15th March 1861

Rs 1,200 — 0 — 0

the Judicial Dept. whether arrangements can be made for locating a small body of Convicts at Cochin for employment in clearing the town, & in repairing the roads & other petty maramut operations.

Chd.

Chepauk
13th April/64

Return'd with Letter
J. Sup. Rich. Engr.

No. 384. 835

C. 7th April 1864 - R. 11th

Dated 14th April 1864
From Chief Engr. April
No. 1433
The Supg. Engr.
1st Division
To
The Secretary to
Government P.W.D.

dated 31st March 1864
Received 4th April 1864.
P.W.D. P. 4905/64
No. 367. C 3

No. 1055 - 13th April/64 -
Submits for sanction & provision of funds an Estimate amounting to Rs. 1200 for reconstructing small bridges in Cochin & details upon the inadequacy of the P.W. Establishment there - reviewing the importance of the place -

With an Order

No. 1055

1 The Estimate of Rupees 1,200 for the reconstruction of certain small Bridges in Cochin is sanctioned from the Reserve.

2 The proposal to appoint an Overseer to the charge of works in Cochin will receive the consideration of Government - if

JP. A small body of convicts can be employed at Cochin & a saving effected in the cost of clearing the town & repairing the roads &c &c &c

To The Supg Engineer 1st Division
" — " Controller & Auditor of P.W. Accounts
" — " Accountant General
Judicial Dept.

No 87 3
Dated 14th April.

Write 2 Letters
It will be ascertained from