M.S.O. 1—22,026—9-6-51.

(1) Number of pages 24

(2) Date of repair 17-3-63

(3) Initials of the Reference

MADRAS RECORD OFFICE.

Government of Madras.

Public works DEPARTMENT.

G.O. No. 419 Press ~~Mis.~~,
204-205.
Dated 12-2- 1867.

Not to be folded or roughly handled

ST.

No. 201. Read the following letter from the Superintending Engineer, 3rd Division, to the Secretary to Government, Public Works Department, dated Bellary, 29th January 1867, No. 3,051:—

1. I have the honor to submit the accompanying Statement, showing the expenditure incurred during this year in cutting a channel from a ruined tank to the Goontah in the Native Infantry lines, raising the bund of the same channel, and improving the branch channel to the Fort Ditch

2. The amount sanctioned* for these works during this year has been Rupees 450, and in paragraph 3 of G. O. No. 1,902, of 18th June 1866, permission was given for my using my own discretion in determining the height to which the caligulals should be raised. They have been raised one and a half feet.

* In G. O. No. 1,902, dated 18th June 1866 .. Rs. 200
Do. .. 1,919, .. 25th 250
Rs 450

3. The expenditure incurred is Rupees 417-8-8 in excess of the amount sanctioned, and I propose including this in the Statement now under preparation, and which is directed to be submitted in the first week of February.

4. In further explanation I beg to submit an original letter,† with four enclosures, from Mr. Assistant Engineer Porter.

† No. 274, dated 28th December 1866, with four enclosures.

Statement showing the expenditure incurred during 1866-67, in cutting a channel to the Goontah in Native Infantry Lines, and improving another to the Fort Ditch, Bellary.

Work	Amount of Estimate	Amount expended up to 30th April 1866	Amount allotted for the year 1866-67.	Expenditure in 1866-67.
	Rs	Rs. A P.	Rs.	Rs A P
Cutting a channel from ruined tank to a Goontah in the Native Infantry Lines.	15,800	13,788 15 2	200	424 2 9
Raising the bund of channel from ruined tank to a Goontah in the Native Infantry Lines.	2,700	5,617 10 5		150 10 2
Improving the branch supply channel to the tank in the Fort Ditch.	200	.. ..	200	292 11 9
	2,5700	19,406 9 7	450	867 8 8 450 0 0
Amount requiring sanction ...		.....	...	417 8 8

(Signed) A. S. MOBERLY, Major, R. E.,
Superintending Engineer, 3rd Division.

Bellary,
29th January 1867.

From the Assistant Engineer, Range No. I, to the Superintending Engineer, 3rd Division, dated Bellary, 28th December 1866, No. 274

1. In continuation of my letter No. 212, dated the 17th October 1866, I beg to forward the Comparative Statements, showing the quantity and value of work done, and the amount charged

for same in my Progress Reports, together with a brief Statement showing the amount allotted, that expended up to 31st October 1866, and the amount required to complete each of the three works noted in the margin.* These Statements could not be sent in sooner as the works were incomplete, and the cost of finishing them was not easily to be estimated. The following is the explanation relating to each work :—

* 1 Cutting a channel from ruined tank to Goontah
1 Raising the bund
1 Improving the branch supply channel to the tank in the Fort Ditch

Cutting a channel from ruined tank to a Goontah in the Native Infantry lines, estimate Rupees 15,806.—My calculations, in applying for funds for current year's expenditure, were not based on any regular estimate, but a simple approximate valuation was made in April 1866 for the work then found wanting to be done. The expenditure up to 31st October, as per Progress Report, is Rupees 296-6-3, that, after the necessary transfers are made, will amount to Rupees 424-2-9, causing an excess of Rupees 174-2-9 over the allotment, which is attributable to my not having any specific data showing the actual cost of blasting, as performed by Sappers, and which cost has turned out to be rather greater than was anticipated. The work is completed. The outlay, for which the sanction of Government is to be obtained, being Rupees 174-2-9.

Raising the bund of channel from ruined tank to a Goontah in the Native Infantry lines, estimate Rupees 9,700.—A sum of Rupees 500 was applied for in my Statement of incomplete new works, dated 8th May 1866, to defray the cost of raising the calingulahs, but at that time no money was allotted. Subsequently, Government having passed orders in their Proceedings No. 1,902, of 18th June 1866, to the effect, the work was to be continued, it was taken on hand.

† Rupees 112-12-6

The expenditure up to 31st October, as per Progress Report, is Rupees 263-6-3 ; greater part of this sum has to be charged to the channel (estimate Rupees 15,806) for blasting work, of which there was not any on this work, the net outlay for which the sanction of Government is to be solicited being Rupees 150-10-2. The work is completed.

Improving the branch supply channel to the tank in the Fort Ditch, estimate Rupees 200.—The excess over the allotment is due to the deduction of Rupees 100, which was erroneously made in the estimate for Sappers' labor, while the estimate was framed with only half the prevailing rates, which deduction fully covered the value of their labor. The actual expenditure up to 31st October being Rupees 242-11-9, and not Rupees 257-11-9, as shown in my Progress Report, the difference between these two items being Rupees 15. This has to be charged to Main Channel (estimate Rupees 15,806), a further sum of Rupees 50 is required to complete this work, so that the amount for which the sanction of Government to be obtained will be Rupees 92-11-9.

Since completed.
A. B. W.

2. In conclusion, I beg to state that the transfers alluded to in this letter will be made in December's accounts, which will be due in January 1867, and that the errors in the accounts of each work are entirely due to the fact that for sometime the raising bund work and channel to Goontah were considered as one work.

Statement showing the amount allotted, and that expended up to 31st October 1866, and the probable amount required to complete each.

	Amount of estimate.	Amount expended up to 30th April 1866.	Amount allotted for expenditure in 1866-67.	Value of work done in 1866-67.	Amount of charges made in the Progress Report	Amount of charges to be transferred		Net or actual amount of charges in 1866-67.	Balance required to complete the works.	Total amount for which further sanction of Government is to be solicited for 1866-67.
						From	To			
	Rs.	Rs. A. P.	Rs.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Cutting a channel from ruined tank to a Goontah in the Native Infantry Lines	15,806	13,783 15 2	250	440 0 0	296 6 3	.....	112 12 6 15 0 0	424 2 9	...	174 2 9
Raising the bund of channel from ruined tank to a Goontah in the Native Infantry Lines ...	9,700	5,617 10 5	.....	217 4 2	263 6 8	112 12 6	.....	150 10 2	...	150 10 2
Improving the branch supply channel to the tank in the Fort Ditch ...	200	.....	200	407 14 6	257 11 9	15 0 0	.....	242 11 9	50 0 0	92 11 9
Total ...	25,706	19,406 9 7	450	1,065 8 8	817 8 8	127 12 6	127 12 6	817 8 8	50 0 0	417 8 8

(Signed) W. PORTER,
Assistant Engineer, D. P. W.

Proceedings of the Madras Government, Public Works Department,
12th February 1867.

No. 205. ORDER THEREON, 12th February 1867, No. 419.

MILITARY WORKS, No. 9.

On the receipt of the Superintending Engineer's final Statement of savings and demands for the current official year, the Government will take into consideration his application for a supplemental grant of Rupees 417-8-8 for the undermentioned works:—

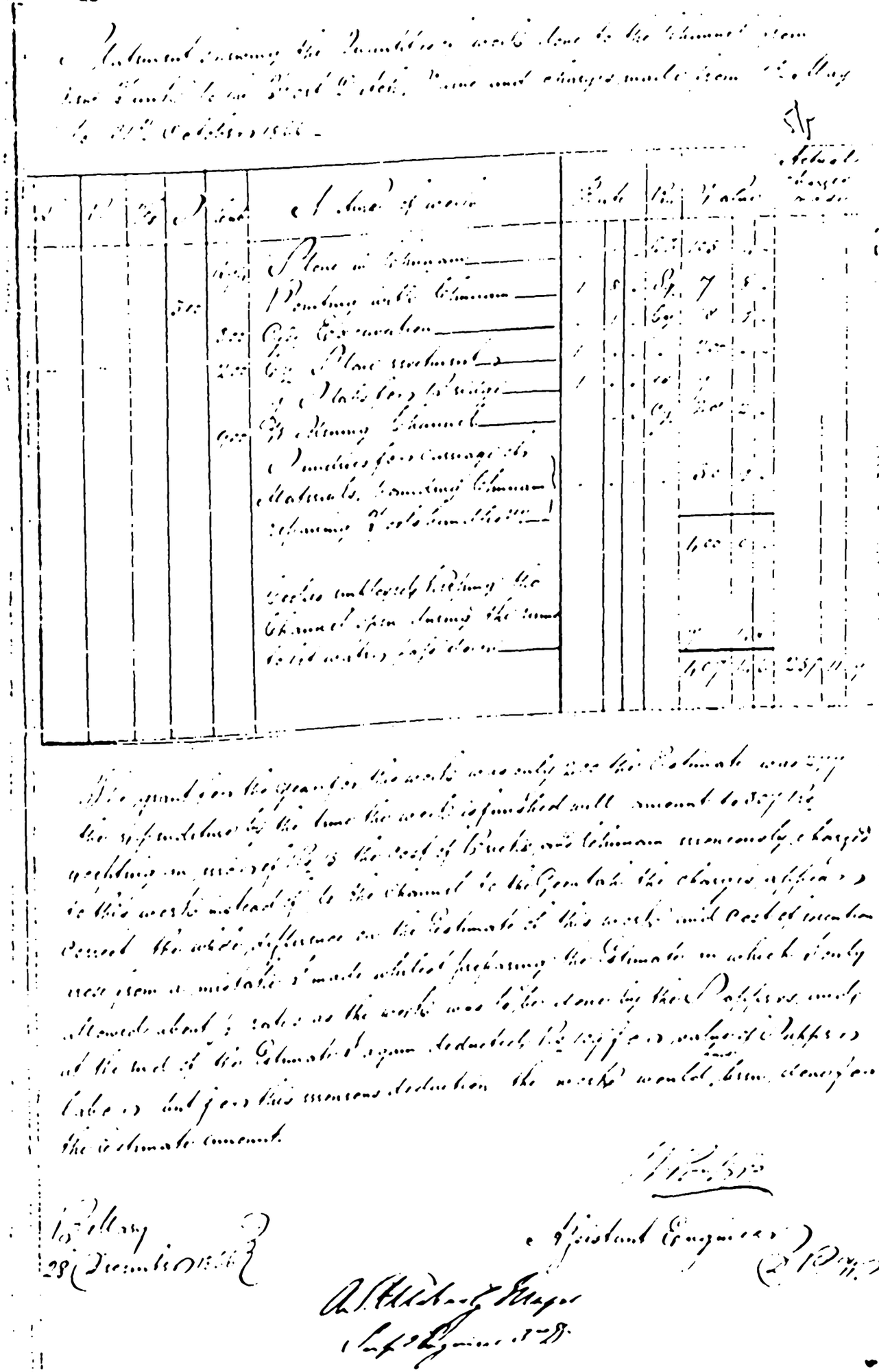
(1.) Cutting channel from ruined tank to Goontah in the Native Infantry Lines. } Sanctioned in G. O. No. 1,186, dated 2nd May 1865.
(2.) Raising banks and surplus calingulahs of do. }
(3.) Improving branch supply channel to tank in Fort ditch. } Do. do. No. 1,902, dated 18th June 1866.

(True Extract.)

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

To the Superintending Engineer, 3rd Division.
" Controller of Public Works Accounts.
" Military Department.

Rd. S. T. Augustin.



Statement shewing the Quantities of work done to the raising Bunds of Channel near N. Native Infantry Lines from 1st May to 31st October 1866.—

L	B	H	S	Cub	Nature of work	Rate	P	Value	actual charges made
138	2.	2½	-	690	Raising 4 Wing walls				
132	1½	1½	-	297	Do 2 Body walls				
9	3	1½	-	40½	Do Counterforts				
				1027½	Stone in Chunam @	- 1 -	Cft	64 3 6	
138	-	2½	345	-	Wing Walls				
132	-	4½	594	-	Body Walls				
9	-	4½	40½	-	Counterforts				
			979½		Pointing @	1 - -	Sqr	9 12 8	
					6 Calingula Shutters	- - - -		25 - -	
					Repairing Guard Shed	- - - -		13 8 -	
					1 Peon on Guard day & Night 184 days	- 4 - @		46 - -	
					Sundries for Carriage of Materials	" - - -		5 - -	
					Carts and Coolies for Collecting 215 Cyds Stone afterwards Sold	" 4 - Cy		53 12 -	
								217 4 2	370 4 8
						Less Stone Sold			106 4 0
									263 6 8

The difference between the value of work done and the Cost thereof has been partially explained by the fact that all the Blacksmiths Hammermen and Bellow boys employed on the Channel to Goontah were erroneously charged to this work. this sum was shewn to be 112-12-6 which if added to value of work done gives 330-0-8 for the remaining 12 40 it is impossible to give any Correct explanation. this work, and channel to Goontah were long Contidered as one project, and the various accounts for mixed etc. it was also expected that the collection, and sale of Stone left from the last years would fetch much more than it did. but it was found the Cost of Collecting and heaping was too great.

Bellary
28 December 1866

A. Wilson Major
Supt Engineer 3rd Dn

J. Forbes
Assistant Engineer
D. P. W.

Statement shewing the Quantities of work done to the Channel from Rear Lines to the Fort Ootacamund Value and Charges made from 1st May to 31st October 1866

1866

Bellary 28th December 1866

Major Commanding Engineers

Bellary

Statement shewing the Quantities of Work done to the Channel from New Tank to Native Infantry Goontah, Value and charges from 1st May 1866 to 31st October.—

L	B	H	S	Cub	Nature of work	Rate			P	Value			actual charges made		
333	1½	⅓	"	499½	125 Solid rock blasting	1	"	"	Cy.	125	"	"			
					374½ Soft Do Do	"	8	"	"	187	4	"			
50	2⅓	½	"	58⅓	Solid rock blasting	1	"	"	"	58	5	4			
					Do Do	1	"	"	"	7	5	4			
11	1	⅔	"	7⅓	Bricks in Chunam Slime Plastering	"	2	"	Cft	20	10	"			
				165		2	"	"	Sq.	3	4	10			
			165	"	2 Slabs do	2	"	"	Cs	4	"	"			
			"	"	Symbris for carriage of Materials repairing handles. Baskets &c.	"	"	"	"	34	2	6			
										440	"	"	296	6	3

The apparent saving on this work is attributable to an error in returning the daily report of blacksmiths &c employed on this work, as been engaged on the raising Bund. Estimate, on which work no Blacksmith was required the actual cost of this labor being 112-12-6. this sum if added to the, 296-6-3, gives 409-2-9. an additional sum of Rs 15 for Chunam and bricks for the Slimes has also been omitted. the cost of these Materials having been charged to the channel to the Fort Ditch.—

Assistant Engineer
D. P. W.

Bellary
28 December 1866

Asst. Engineer
Bellary Building Range

1866

Statement shewing the Quantities of work done to the Channel from New Tank to Native Infantry Goontah, Value and charges from 1st May 1866 to 31st October 1866

Bellary District.
Military Building Range

1866 Dgm

P.W 390/64

Statement Shewing the Quantities of work done to the Channel from New Tank to Native Infantry Goondah Value and Charges from 1st May to 31st October 1866.

No 4th

Office of the Executive Engineer 3rd Division

Bellary 1st December 1866

Sir

I have the honor to forward herewith Statement of Charges for the Quantities of work done to the Channel from New Tank to Native Infantry Goondah during the period from 1st May to 31st October 1866 amounting to Rupees 1,58,806 - 1 - 3 as per Abstract No 1 and Detailed Measurement Book No 1 of 1866 and request that the amount may be drawn in favor of Captain Alexander Commanding Royal Engineers Bellary

I have the honor to be
Sir
Your most obedient Servant
Executive Engineer
3rd Division

To
The Commanding Royal Engineer
Bellary

1,58,806 - 1 - 3

Abstract No 1 of Charges for the Quantities of work done to the Channel from New Tank to Native Infantry Goondah during the period from 1st May to 31st October 1866 as per Detailed Measurement Book No 1 of 1866

Cutting Channel from New Tank to Goondah 1½ Bunds thereto 1 Causeway 1 Waste Weir 1 Culvert 1 Sluice 1 Bridge 1 Aqueduct 1 Cattle Crossing 1 Foot Bridge 1 Cattle Crossing 1 Foot Bridge 1 Culvert 1 Sluice 1 Culvert 1 Sluice 1 Culvert 1 Sluice

Bellary Destruct

Military Buildings Pay

1866 O.P.M.

From

The Assistant Engineer
Camp No. I

To The Supt Engineer
3d Division

Dated 28th December 66.

Recd 5th " "

P.W. 398/67

No 274

Enclosures 4.

Forwards Comparative Statements shewing the Quantity and Value of work done by Channel Work &c in the Western Defence Lines —

Estimate of Expenses for Sanitary Works at Cantonments during 1866/67 in connection with Channels for the supply of Canal Water to Ballary

	Amount of Estimate	Amount expended up to 31st March 1866	Amount available for 1866/67	Expenditure in 1866/67
Cutting a Channel from remount tank to a Gauntlet in the Native Infantry lines	15806	13798	1582	250	124 2 9
Raising the bund of Channel from remount tank to a Gauntlet in the Native Infantry Lines	9700	567	106	-	130 10 2
Improving the branch Supply Channel to the tank in the fort Field	200	..	..	200	292 11 9
	25706	19406	97	460	867 8 8
					450 ..
Amount requiring Sanction					417 8 8

Superintending Engr's Office
Bellary 29th January 1867.

Major R.E.
Superintending Engineer & Agt.

15 Januar/Februar 1902
20- " " 1919

1866/67

Bd. 6 Nr. 3051.

D 71

From the Honorable
The
Secretary of War
Washington
Attorney Examiner
for Superintendent Bowers
5th Ohio

2. The Amount claimed for Clearing Right of Way Rafters Rafters & 5th Section Para 5 of Act of 1902 & 18 June 1856. Permission was given for my going over & Observation in Determining the Right of Which the Palmyrahs should be removed - They have been raised one and a half feet.

3. The Inspection Returns in Duplicate & 1/2 Sheet are inclosed the Amount Claimed and Voucher including this re the Patterns now under preparation and which is directed to be submitted on the first week of February.

4. In further explanation I beg to submit an original Letter with from Surveyor Assistant Engineer Porter -

Ceylon

Rec'd 28 Jan 1864 — No. 332
Ans'd 29 Jan — No. —
Rec'd 30 Jan 1864 — No. 274 &c

Pub. Works Dep.t

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No. 419

Rec.d from the Madras Govt.

dt 12th February 1867

The Supdg. Engr.
of the 3rd Division enforward
the abstract Receipt of the final
Statement of Savings and
Demands for 1866/67. his —
application for a supplemen-
tal grant (Rs 1117-8-8) for
Bellary Works (certain) at
Bellary, will be taken into
consideration.

No. 204 - 205