M.R.O. 1—77,000—6-6-57.

(1) Number of pages

(2) Date of repair

(3) Initials of the Referencer

MADRAS RECORD OFFICE.

Government of Madras.

DEPARTMENT.

G.O. No.	Press Mis.
Dated	18 .

Not to be folded or roughly handled

Proceedings of the Madras Government, Public Works Department, 7th June 1864.

No. 144. Read the following letter from Lieutenant-Colonel E. HEMERY, R. E., Superintending Engineer, 3rd Division, to Colonel C. A. ORR, R. E., Secretary to Government, Public Works Department, dated Camp Guvalcherru, 19th May 1864, No. 17:—

SIR,

1. I have the honor herewith to forward the Estimates called for in Order of Government No. 708, dated 8th March 1864, namely, one amounting to Rupees 6,010 for two new wells at Bellary, and the other amounting to Rupees 8,000 for a channel with subsidiary masonry works from a ruined tank on the boundary of the Bellary Cantonment, to fill a large goontah near the Native Infantry Lines at that Station.

4 Plans.
4 Estimates.
1 Report.
1 Letter.

2. These works were entered in the list of incomplete Military works forwarded to you on the 12th instant; up to the 30th April last Rupees 650 had been expended on the wells and Rupees 3,683 on the channel, and the works are now in progress in anticipation of sanction for the unexpended balances being granted from the Military Reserve Fund for the current official year.

No. 145. ORDER THEREON, 7th June 1864, No. 1,657.

1. The Estimates submitted with the foregoing letter are sanctioned.

2. The expenditure on the works in 1864-65 will be charged to the Reserve under "Military."

(True Extract.)

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

To the Superintending Engineer, 3rd Division.
„ Controller and Auditor of Public Works Accounts.
„ Accountant General.
„ Military Department.

Exd. S. T. Augustin.

14844
1

New Work

te of the probable expense of constructing a Head Sluice for the
ing from the 22d Boundary Stone to the Goontah near the Infantry
lary.

Abstract Estimate of the probable expense for cutting a channel from a ruined Tank to a Goontah in the Native Infantry Lines in the Cantonment of Bellary and also for clearing out and repairing the Goontah.

Contents	Description of charges	Rate	Per	Amount	Total	Measurement Cubic feet.
365,400 or	Cg.ds 13533 Excavation	"	1	Cyd. 845 3 4		825--
332,800 or	" 12325 25/27 Embankment	"	1	" 770 5 11		105--
41,600	Q feet of stone facing		1.6	Cfeet 3900 - -		300--
	For clearing out the Goontahs in the Lines			1000 - - -		360--
				6515 9 3		144--
	Sundries @ 10 p Cent			660 6 9	7166 - -	468--
	For two Calingulahs				356 - -	63--
	For one head sluice				480 - -	150--
						643-6
						120--
						676--
						117-6
						135--
						31-6
						216--
						144--
						373-6
	Total Estimated Rupees				8000 - -	872
						288

Ex. Engineers Office
Bellary 21st April 1864

Sig'd J. T. Fischer
Captain R.E.
Ex. Engineer, 1st Class

Approved
Lieut. Col. R.E.
Sup.dg. Engineer 3d Division.

8010
357
480
14844
1

New York 9

te of the probable expense of constructing a Head Sluice for the
ding from the 22d Boundary Stone to the Gootak near the Infantry
Quary.

						Measurements.				Cubic feet.
Long ft	Breadth	Height	Depth of Cubic feet	Solid Cubic feet		Rate	Per	Amount	Total.	
166	1	10	.	1660	Square of Excavation	1	4	Cyd	2075 ..	825
42	1	5	..	210	do of Stone	2	12	do	577 8 ..	105
126	1	4	.	756	Cubic feet of Parapet wall	.	1	6 Cft	70 4 .	300
126	.	7	882	.	Pointing	1	..	4d	8 131	360
									2732 3.1	144
					Contingencies at 10 p Cent				272 121	460
										63
					For one				3005 ..	150
					For do				3005 .. 6010 ..	643.6
										120
										676
										117.6
										135
										31-6
										216
										144
										372.6
										872
										288

Bellary
9th March 1863

(Sgd) A. T. Fischer, Captain RE.
Executive Engineer 1st Class
Denny Lieut. RE.
Supg. Engineer
3 Divisions.

6010
357
480
14844

New York 5

Military

Estimate of the probable expense for sinking 2 additional
wells in the Cantonment of Bellary.

Estimate of the probable ex-
pense of sinking a diameter for
a new tank to be constructed in
the Infantry Lines in the
Cantonment of Bellary and also
for removing and repairing
the present tank.

Fort William 23rd/64

New York 9

Estimate of the probable expense of constructing a Head Sluice for the ding from the 22d Boundary Stone to the Goontah near the Infantry Lary.

	Measurement.										Cubic feet.
Abstract Estimate of the probable expense for Constructing 2											825--
pulas on the New Channel from the 22d Boundary to the											105--
ive Infantry Goontah at Bellary											300--
	Rate			Per	amount			Total			360--
											144--
											468--
Stone in Chunam @	-	1	-	Cft	156	10	6				63--
b. yds of Excavating	-	1	-	C.yd.	4	3	-				150--
											643.6
											120--
Sundries at 10 per Cent					16	2	6				676--
Total Fanam					177	-	-				117.6
do Fanams								354	-	-	135--
											31-6
											216--
											144--
											372.6

Ex: Engineers Office
Bellary 21st April 1864

Captain R.E.
Executive Engineer 1st Class

Lt Col R.E.
Supd.g Engineer
3d Div.

872
288

6010
357

PWD 2691/62

Estimate of the probable expense for making 2 culverts on the Cantonment of Bellary.

Villages (Detail)
Estimate of the probable expense of constructing a Head Sluice for the Channel leading from the 2.2 Boundary Stone to the Fountain near the Infantry Lines at Bellary.

PWD 2391/64

Estimate of the probable expense for constructing 2 Culinguladis on the new Channel from the 2.2 Boundary to the Native Infantry Fountain at Bellary

9

New Work.

Estimate of the probable expense of constructing a Head Sluice for the Channel leading from the 2.2 Boundary Stone to the Fountain near the Infantry Lines at Bellary.

Particulars of Work.	Measurements. Length	Breadth	Height	Superficial feet	Cubic feet
Foundation to side walls	55	3-9	4-0	"	825-0
do to Pier	7	3-9	4-0	"	105-0
do to front wing walls	20	3-9	4-0	"	300-0
do to rear do	24	3-9	4-0	"	360-0
do to Buttresses	12	3-0	4-0	"	144-0
Side above	52	3-0	3-0	"	468-0
Pier above	7	3-0	3-0	"	63-0
Cross walls over Pier	15	4-0	2-6	"	150-0
Wing walls above	44	2-3	1-1	"	643-6
Blocking courses	30	2-0	2-0	"	120-0
Retaining walls in front	12	2-3	2-6	"	676-0
do do in rear	23-6	2-0	2-6	"	117-6
Rear apron	15	6-0	1-6	"	135-0
Flooring 9 inch	6	7-0	-9	"	31-6
do over arch	16	9-0	1-6	"	216-0
Buttresses above	12	3-0	4-0	"	144-0
Parapets	83	1-6	3-0	"	373-6
Total Stone in chunam					4872
Total Brick work	16	12	1-6	"	288
Total plastering				825	"
2 Chuttas					
8 covering and 6 cross stones					

8000
6010
351
480

Meridian

Abstract

Abstract Estimate of the probable expense of constructing a Road Culvert for the channel leading from the 22d. Boundary Stone to the Fontein in the Meridian Infantry Lines.

Quantity	Description of Charges	Rate	per	Amount	Total.
4,872	Stone in Chunam	1	1.	304 8.	
288	Arch work, stone in chunam	.	3.	57 . .	
825	Plastering	2	8.	206 . .	
2	Wooden shutters for Culvert	12	. each	24 . .	
8	Cross stones for shutters	2	. .	12 . .	
8	Coverings	2	. .	16 . .	431 2.
	Contrns 10 cd at 10 per cent			46 4.	46 4.
	Total Estimate Rupees				480 . .

Bellary
26th April 1864.

Sign'd J. T. Fischer Captain R.E.
Executive Engineer 1st Class

Secy
Lieut Col: R.E.
Superdg: Engineer
3d Division.

Camp Gyalcherro
Supdg. Engineers Office
19th May 1864.

16

Sir,

Lieut. Col. C. St. Hervey R.E.
Supdg. Engineer
3d Division

To

The Secretary to Government
P. W. D.

Sir,

I have the honor to forward the Estimate No 708 amounting to Rupees 480 . . for the Culvert on the Meridian Road at the Boundary Stone to the Fontein Station.

2. The Work is completed and the Estimate is submitted from official measurements.

I have the honor to be
Sir
Your most obedient Servant

Lieut Col R.E.

Military

Abstract Estimate of the probable expense of constructing a Head
for the channel leading from the 22d Boundary Stone of the
the Native Infantry Lines.

Quantity	Description of Charges	Rate	per	Amount
4,072	[illegible]			
288	[illegible]			
825	[illegible]			
2	[illegible]			
6	[illegible]			
8	[illegible]			

PW 2391/14

Bellary
26th April 64

Estimate of the probable expense of constructing a Head Sluice for the channel leading from the 22d Boundary Stone to the Fountain near the N. I. Lines at Bellary.

No.

Camp Gyndaherra
Supdg. Engineers Office
19th May 1864.

From

Lieut.-Col. C. Heaney R.E.
Supdg. Engineer
3d Division

To

The Secretary to Government
P. W. D.

Sir,

I have the honor herewith to forward the Estimate called for in Order of Government No. 708 dated 8th March 1864, namely one amounting to Rs. 6010 for two pucca pulls at Bellary, and the other amounting to Rs. 8000 for a channel with Meridian and a stony bottom from a ruined tank on the boundary of the Bellary Cantonment, to fill a large fountain near the Native Regiment Lines at that Station.

2. The works here below specified in the list of Incomplete Bellary Tanks forwarded to you on the 12th February last as to the 30th April last Rs 650 had been expended on the bells, and Rs 3603 on the channel and the works are now in progress in anticipation of sanction for the unexpended balances being granted from the Bellary Reserved Fund for the current official year.

I have &c.

C. Heaney
Lt. Col. R.E.
Supdg. Engineer
3d Div.

Rec: 8th June/64 No 204-205

1864 June 4 Rec'd from Fort Garry 2891.

The Superintending Engineer
3rd Division
Fort Garry

Forwarding Government Plan &c.

Dated 19th May 1864.
Rec'd 30th " "
Copied 31st " "
Enclosures No.

Forwards plans and Estimate for two pier heads at Selkirk & for a Channel with guiding banks from a point on the Boundary of the Military Reserve to the Lower Limit of the Town plot, and requests sanction for the same being carried out from the Military Reserve Funds.

No 165/64 dated 1st June 1864.

With an Order.

P.W.C. No 264/65

P. 144-145

Rec: 1st June 1864 R. 2nd

No 165/64 657

The Estimates submitted with the foregoing Letter are sanctioned.

The expenditure on the works in 1864/65 will be charged to the Reserve under "Military".

Chepauk
7th June 1864

To The Supt. Engr. 3rd Div. With Letter & Report
" Controller & Audr. of P.W. Accounts
" Accountant Genl. 40
" Military Department
Dcaspr. 8 Encls

X 282