

(1) Number of pages_____

(2) Date of repair_____

(3) Initials of the Referencer_____

MADRAS RECORD OFFICE

Government of Madras

Public Works DEPARTMENT

G.O. No.	430	Press
B.P. No.		Mis.
Dated	15 - 2	CR 75
		-195-

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
15th February, 1875.*

No. 348. Read the following letter from Colonel E. A. FOORD, R.E., Superintending Engineer, 2nd Division, Bellary, to Colonel G. W. WALKER, R.E., Secretary to Government, Public Works Department, dated Camp at Ghooty, 12th January 1875, No. 1,661:—

I HAVE the honor to forward, for the sanction of Government, a supplemental estimate of Rupees 3,932* for completing the Taluq Cutcherry at Raidroog in the Bellary District. An estimate of Rupees 18,110 was sanctioned for this Cutcherry in the Order of Government of the 6th of May 1874, No. 1,210, and this will be exceeded by more than 20 per cent. as shown in detail in the comparative statement.

2. A considerable portion of the additional cost is due to the exterior arches having been built with chisel-dressed granite. They were, at first, built with hammer-dressed stone, but the late District Engineer had them taken down and rebuilt. The ornamental details in the standard plan were intended to be carried out in brick, but as they have been exactly copied in stone, and great perfection of workmanship was insisted on, the cost has necessarily been considerable. The walls of the lower storey had to be built $1\frac{1}{2}$ feet higher than allowed in the estimate, and the foundation and basement are somewhat broader than in the estimate. The actual quantity of masonry in the tower is also considerably greater than in the estimate. The tower having been built solid to above the basement.

3. Another cause of the increased cost of the Cutcherry is the death of the contractor during the progress of the work. He was being paid the rates in the estimate. As there is an upper-storey over only a portion of the building, one uniform rate was allowed in the estimate for the whole of the masonry. The contractor was paid at that rate for so much of the work as he did, and would have received no more for the remainder. The upper portion of the work, which necessarily cost more than the lower, had to be built departmentally. For the same reason a higher rate had to be paid for the roofing of the upper-storey.

4. Some items were omitted in the sanctioned estimate, and too little was allowed for the cost of the roof of the tower. The old materials could not be utilized to the extent anticipated at the time of framing the estimate.

5. The compound wall has not been commenced, and can, if desired, be left till next year. In other respects the Cutcherry has been nearly completed. It has been substantially built with the most durable materials.

6. I also forward, for the sanction of Government, two other estimates for this Cutcherry for the works authorized in G. O., No. 1,288, dated 13th May 1874:—

	RS.
For alterations to the Cashier's room	600
Enclosing Ryots' shed and cooking shed	138

These two estimates might have been forwarded earlier, but I kept them till a statement had been prepared showing the total excess above the sanctioned estimate for the Cutcherry.

No. 349.

ORDER THEREON, 15th February 1875, No. 430.

CIVIL WORKS, No. 25.

With his letter the District Engineer forwards three estimates for completing the Cutcherry and out-buildings at Rairdroog, viz. :-

	RS.
Excesses on original estimate of main building ...	3,932
Alterations in Cashier's room ...	600
Enclosing Ryots' shed and cooking shed...	138

The two latter represent the cost of changes in the arrangements authorized by Government subsequent to their approval of the original estimate. The excesses shown in the first are to some extent attributable to the death of the contractor, who had a general rate allowed him for the masonry, so that the completion of the upper and more expensive portion departmentally was necessarily carried out at extra cost.

2. Greater care in framing the original estimate would have resulted in a closer approximation to the actual cost, for there were omissions which it is difficult to account for, and for which the late District Engineer was responsible. There seems also to have been some expensive stone work inserted in the front which was not necessary.

3. The estimates as now forwarded are sanctioned, and it is observed that with these additions the cost of the buildings will amount to Rupees 22,780, the original estimate approved in G. O., No. 1,210 of the 6th May 1874 being for Rupees 18,110.

4. As no funds are available from which an additional allotment can be made, the expenditure during the current year must be limited to the amount of the sanctioned* grant.

* G. O., No. 1,943, of 20th July 1874.

(True Extract.)

Report to accompany the Supplemental Estimate for improvements to the Cashier's Room, Rairdroog Taluk Cutcherry.

Amount of Estimate Proposed.

A strong iron barred railing, with a doorway 4x6, will be built across the room in the Centre, the four panels and window doors, at present put up to the entrance, will be taken down.

In the opening at the east, north & west side, iron bars, fitted in a timber wood frame, will be built; for the front entrance there will be a strong iron barred door.

Three Chubb's pad locks will be provided, two to the front entrance and one for the door in the iron barred partition.

Bellary
27th September 1874.

Sub Engineer S.P.W.

Report for accompanying
the Supplemental Estimate
for Improvements to the Dyke
Shed and Cook house attached
to the Salubrious at Raiding.

Contents.

1287

276 3/4

57 1/4

219 3/4

313 1/2

138 3/4

139 1/4

215 1/4

272 1/4

131 1/4

218 1/4

317 1/4

305 1/4

276 3/4

172 3/4

116 1/4

310 5/8

282 5/8

303 3/4

303 3/4

— Amount of Estimate No. 138 —

Dyke Shed

A Stone in Chumam pillars
1 1/2 x 1 1/2 x 8, will be built round the
posts that hold up the roof
between the end pillars and in
the space between the three last
pillars at each corner; - a Stone
in Chumam Parapet wall 1 foot
thick and 3' high, on foundation
1 1/2 x 2, will be constructed. Honey
Comb work 5' high will be built
on top of these walls.

To
The Officer in charge
of the Dyke Range

To
The Dyke Engineer

To
The Dyke Engineer

To
The Dyke Engineer

To
The Dyke Engineer

To
The Dyke Engineer

To
The Dyke Engineer

To
The Dyke Engineer

To
The Dyke Engineer

To
The Dyke Engineer

The Stone in chimney works
will be pointed.

Lookshed

The side walls will be
extended 5', and a wall 1 foot
thick will be built on the front
retaining wall. The side wall
will be 8' high only so as to allow
smoke to escape. The front wall
will be built up to the bressumes
and will have two spaces $2\frac{1}{2} \times 8$
left in it for entrance.

The walls will be pointed.

Bellamy & Co.
21 September 1874
Sub Engineer S.F.W.

Reg No. 3 1152 97475
From

The Officer in Ch.
Bureau Range

To The Dist. Engr.
Bureau

Dated 21st Sept
No 22 September 1874

Report to accompany
the supplemental
estimate for improve-
ment to the Ryot's
shed ~~for~~ attached to the
Lalung butchery at
Kaidroog.

4-6 No 430.
15 Feb 1875

New Works

DETAILED ESTIMATE
District.

Work - Constructing a first class Salub. butchery with sub-
reference to houses at Rindrooy.

Particulars of work.	Number	Measurement in			Contents.
		Length	Breadth	Height	
Foundation of wall	1	15 1/2	2 1/4	3	128 7/8
Court House & Partition walls	2	16 1/2	2 1/4	3	276 1/2
do. between private and lock	1	8 1/4	2 1/4	3	59 1/4
Front wall of clerk's room	1	30 1/2	2 1/4	3	249 1/4
Rear do. do. do.	1	38 1/2	2 1/4	3	313 1/2
Partition wall	1	16 1/4	2 1/4	3	138 1/4
do. do. do.	1	15 1/2	2 1/4	3	139 1/2
Front wall of Cashier and Sheristadar's room	1	27 1/2	3	3	245 1/4
Rear do. do. do.	1	30 1/2	3	3	272 1/4
Partition wall	1	16 1/4	2 1/4	3	134 1/4
do. do. do.	1	24 1/4	3	3	218 1/4
Arched Verandah Wall	1	39 1/4	2 1/4	3	327 1/8
Front and rear walls of Inspector and Police rooms	1	30 1/2	3	3	305 1/4
Partition wall	1	27 1/2	2 1/4	3	276 1/2
Front and rear Retaining walls of covered way	2	28 1/4	2 1/4	3	471 1/8
Full wards all around	1	14 1/2	2 1/4	3	116 1/4
Partition walls	1	13 1/4	2 1/4	3	340 5/8
Retaining walls of verandah in rear of Cashier & Sheristadar's rooms	1	34 1/2	2 1/4	3	282 5/8
do. do. front of Court house	1	36 1/4	2 1/4	3	303 1/4

Particulars of work.	Number.	Measurement in			Contents.
		Length.	Breadth.	Height.	
Steps in front of Public	1	18 1/2	3	1	55 1/2
do Court house	1	22	3	1	66
Total b/f Foundation					6929 1/8
Excavating foundation					6929 1/8
but in Girds					256.66
Tower not included					
Basement					
Court house for all round	1	156	2 1/4	2	0.702
Partition walls	2	17 1/4	2 1/4	2	155 1/4
do between private and lost property room	1	9 1/4	1 1/4	2	32 3/8
Front wall of Clerk's room	1	20 1/4	2 1/4	2	138 3/8
Rear do do	1	38	2 1/4	2	171
Partition wall	1	17 1/4	2 1/4	2	177 1/4
do between clerk & Sheristadar	1	18 1/4	2 1/2	2	81 1/4
Front wall of Sheristadar & Cashier	1	27 1/4	2 1/2	2	138 3/4
Rear do do	1	31	2 1/2	2	156
Partition walls between do	1	17	2 1/4	2	76 1/4
do between Phee & Cashier	1	23 1/2	2 1/2	2	117 1/2
Walls in 3 sides of Public in front of Cash	1	40 1/2	2 1/4	2	182 1/2
Front and rear of	2	18 1/2	2 1/4	2	166 1/2
Verandah walls	2	17 1/2	2 1/4	2	157 1/2
Front and rear retaining walls of covered way	2	29 1/2	1 1/4	2	266
Walls all round Jail ward	1	141	2 1/4	2	634
Partition walls	3	14 1/4	2 1/4	2	192
Verandah in rear of Sheristadar and Cashier	1	95	1 1/2	2	105

DETAILED ESTIMATE
District.

Work	Reference	Particulars of work.	Number.	Measurement in			Contents.
				Length.	Breadth.	Height.	
Verandah in front of Court house			1	38	1 1/4	2	114
Steps in front of Public			1	18	3	1	54
do Court house			1	21 1/2	3	1	64 1/2
Total b/f of Basement							3722 1/4
Dressing edges of basement all round							586 1/2
Total dressing edges b/f							586 1/2
Tower is not included							
Superstructure							
Walls round Court house for 2 1/2 extra			1	156	1 1/4	14	3296
for tie beam and angle of roof			1	156	1 1/4	14	3296
Partition walls			2	18	1 1/2	14	756
Gables			4	18	1 1/2	14	324
Partition walls between private and lost property room up to roof			1	10	1 1/2	14	175
Front wall of Clerk's room			1	38 1/2	1 1/4	14	861 1/2
Rear do do			1	38	1 1/4	14	798
Partition walls			1	18	1 1/2	14	378
Gables			2	18	1 1/2	14	162
Partition wall between Sheristadar and Clerk's room			1	18 1/4	1 1/4	12	351 1/4
Front wall of Cashier & Sheristadar			1	28 1/2	1 1/4	12	595 1/2

Particulars of work.	Number.	Measurement in			Contents.
		Length.	Breadth.	Height.	
Rear wall of Cashier and Sheristada's	1	31 1/2	1 1/2	12	661 1/2
Partition do do	1	7 1/2	1 1/2	12	315
do between Police and Cashier	1	23	1 1/2	12	483
Front & rear walls of Inspector & Police	2	18 1/2	1 1/2	12 1/4	707 5/8
cross walls do	2	18	1 1/2	12 1/4	688 1/2
Gables	2	18	1 1/2	3	112
Walls for Public Room & sides	4	41	1 1/2	13 1/4	845 9/8
Gable in front	1	16 1/2	1 1/2	3	74 1/4
Walls of Jail wards	1	16 1/2	1 1/2	13	274 1/2
Partition walls	3	15	1 1/2	13	877 1/2
Gables between shed & male ward	3	15	1 1/2	3	202 1/2
Lower story. Total off Superstructure					1524 1/2
Deductions					
Doors in Court house	11	4	1 1/2	8	528
Archway between Court & Clerk's room	1	11 1/2	1 1/2	3	56 1/2
Semicircular portion	1	51.93	1 1/2		77 9/8
Doors in Clerk's room	6	4	1 1/2	8	288
Archways in partition walls	2	4	1 1/2	6	72
Semicircular portion	2	6.28	1 1/2		18
Doors in Cashier & Sheristada's room	4	4	1 1/2	8	224
Doors in Partition walls	2	4	1 1/2	18	96
Peep hole in wall between Cashier and Police	1	3	7 1/2	2	9
Archways in Public	4	5	1 1/2	7	211
Semicircular portion	4	9.81	1 1/2		

DETAILED ESTIMATE
District.

Work	Reference	Number.	Length.	Breadth.	Height.	Contents.
Doors in Police room		3	4	1 1/2	8	144
Openings for heavy Comb work in Inspe.		2	5 1/2	1 1/2	8 1/2	132
Archways in Inspector's room		2	4	1 1/2	8	120
Semicircular portion		2	9.81	1 1/2		29.23
Doors in jail wards		6	4	1 1/2	8	384
Ventilators in back walls		6	4	1 1/2	8	384
Total openings						2437 1/2
Semicircular Arch work						
Garment dress arch work						
Court house		1	20.5	1 1/2	1 1/2	46 1/8
Clerks room		2	8.6	1 1/2	1 1/2	38 1/8
Relieving arches over doors in Police						
stada's and Treasury room		6	4	1 1/2	1 1/2	67 1/2
Total Garment dress Arch work						152.32
Semicircular arch work chisel dress arch work						
Public room extending		2	13.2	1 1/2	1 1/2	118.80
Inspector's room		2	13.2	1 1/2	1 1/2	57.85
Total Chisel dress arch work						178.65
Total arch work						
Doors in Court house		1	5	1 1/2	1 1/2	12 1/4
Clerks room		6	5	1 1/2	1 1/2	67 1/2
Cashier, Sheristada's & Police room		9	5	1 1/2	1 1/2	101 1/4

Particulars of work.

Number.	Measurement in			Contents.
	Length.	Breadth.	Height.	

Jail wards	6	5	1 1/2	1 1/2	67 1/2
Total Flat arch work					360
Add work done and demolished					113 7 1/2
Total of all deductions					473 7 1/2
Total left hammer dressed stone in Chumam					3128 7 1/4
Total arch work cut stone chisel dressed on six sides					12119 01
Semicircular arch work hammer stone cfl.					178 65
Total left arch work flat arch					162 32
Honey Comb Piers work in Police Inspector's room cfl.					153 1 1/2
Cut stone work to put hole					88
Total ornamental arches 5 sides of granite					
Stone dressed with Concave & Convex					
Surfaces and made to fit semicircular	4	15	5		62
arch work in Porch					
Corridor of cut stone in 2 Courses of					
chisel dressed granite 1st Course of					
dentils 2nd of 5 sides dressed stone	2	13			26
with splayed edge projecting 5 at					
two sides of Porch					
Roofing Terrace with bricks on edge					
3 of July & two Coats of Plaster					
over treasury and Sheristadar's					
rooms	32 1/2	18 1/2			611 5
Total Sfl of Terrace					601 5

DETAILED ESTIMATE District.

Work

Reference

Particulars of work.	Number.	Length.	Breadth.	Height.	Contents.
Roofing with Bengal Terrace					
Court house, private room, post office and					
out verandah 69 1/2 + 56 + 13 1/2	1	139	16 1/2		2273 50
Clerks room large and small	2	42	16 1/2		1386 00
Arch	2	16 1/2	11 1/2		371 25
Verandah in rear of Sheristadar's room	1	32	8		256 00
Police, Inspector's, Concave & portion	2	51 1/2	15 1/2		1576 50
Jail wards	6	57 1/2	15 1/2		1305 00
Jail wards 49 1/2 + 37 1/2	2	24	7 1/2		36 00
D. front & rear steps					
Total Sfl. Bengal Terrace					7568 25
Flooring with copal					
Court house	32	18			576 00
Private room	1	10			100 00
Lock property room					60 00
Post office	1	10	18		180 00
Arch opening in Court	11 1/2	1 1/2			17 25
Clerks room large	1	24	18		432 00
D. Small	1	11	18		198 00
Sheristadar's room	1	17 1/2	15		262 50
Treasury	1	17 1/2	15		262 50

Particulars of work.

Number.	Measurement in			Contents.
	Length.	Breadth.	Height.	

Porch	1	15	1 1/2	172.50
Verandah in rear of Treasury and Sheristadats	1	29	4	116.00
Police Room	1	18	7 1/2	135.00
Inspector's room	1	18	8	144.00
Covered way	1	30	13	390.00
Arch openings between Covered way and Inspector's	2	5	1 1/2	15.00
Chalk wards	2	16	15	480.00
Female do	2	8	15	240.00
Verandah in front of Court house	1	18	8 1/2	158.00
Sills of Honey Comb works in Inspector's rooms	2	5 1/2	1 1/2	16.50
Total Plastering				1,001.25
Stone Slabs for treads of steps in front of verandah in front of Court	3	2 1/2	1	7.50
do do in front of Porch	3	18	1	54
Total Plaster Slabs for steps				118 1/2
Stone Slabs for the sills of door to private room	3	4	1 1/2	18
Under trussies	4	5	1 1/2	105
Arch Honey Comb works in Inspector's room	2	8	1 1/2	24
Edges of Verandah front of Court	1	38	1 1/2	57
Covered way	2	30	1 1/2	90
Verandah in rear of Cashier's and Sheristadats	1	40	1 1/2	60
Arch openings in Public	2		1 1/2	
Total Plaster Slabs				

DETAILED ESTIMATE

District.

Work

Reference

Particulars of work.	Number.	Measurement in.			Contents.
		Length.	Breadth.	Height.	
Plastering					
Interior of Court house	1	104		14	1,456
Private room	1	42		14	588
Lost property room	1	21		14	294
Gables and Cross walls on both sides	2	10		5	100
Post Office	1	56		14	784
Gables	7	18		3	378
Clerks room large	1	87		14	1,218
do small	1	58		14	812
Gables	4	18		3	216
Sheristadats' room	1	65		11	715
Treasury	1	65		11	715
Police Room	1	62		13	806
Inspector's room	1	51		13	663
Gables	4	18		3	216
Chalk wards	2	62		13 1/2	1,674
Female do	2	46		13 1/2	1,242
Gables	6	15		3	270
do	1	16		3	48
Jamb and soffits of arch ways between Court and clerks room	1	24		1 1/2	36
Total Plastering					12,213

Particulars of work.

Number.

Measurement in

Length.

Breadth.

Height.

Contents.

DeductionsArch way to opening in Court house
and clerks room both sides

2

1 1/2

3

69

do Semicircular portion

2

area

57.93

103.86

One side 4 arch ways and two doors

6

4

8

192.

do do Semicircular portion

1

area

6.28

25.12

Total deductions Sft.

389.9

Total Plastering less deductions Sft.

11823.0

Total Sft. White washing

11823.0

Painting Exterior of

Court house including basement

1

141

15

2115

Front walls of clerks room do

1

21 1/2

15

472 1/2

Rear do do do

1

28

15

570

Front wall of Public & Heretadats up to roof

1

30

12

360

Rear do do do

1

33

12

396

End of Public room 13 + 15

1

28

14

392

Public room inside

1

53

14

742

Gables

2

15

2 1/2

75

Front & rear wall of Inspector & Police

2

18 1/2

14

518

Side of Inspector's room

1

21

12

252

Gables

1

21

3

63

Jail wards

1

147

13

1911

Gable facing the shed

1

19

3

57

Basement of Jail wards

1

133

2

266

Total Painting Sft.

8789

Deductions

Doors in Court house &c

10

4

8

320

do do Clerks room

6

4

8

192

do do Cashier & Heretadats

4

4

8

112

do do Police

2

4

8

112

DETAILED ESTIMATE

District.

k
rence

Particulars of work.

Measurement in

Number.

Length.

Breadth.

Height.

Content.

Arch ways in Inspectors

2

5

8

80

Openings at sides for heavy comb work

2

5 1/2

8

88

Semicircular portion over porch way

2

area

9.87

19.62

Archways in Porches

8

5 1/2

7

280

Semicircular portions

8

area

9.81

78.48

Ventilators in Jail wards

6

5

2

60

Doors to do

6

4

8

192

Total Deductions Sft.

1502.10

Total Painting Sft. less deductions

6687 3/4

Lower

Foundation

1

50.8

11

346.50

do do walls at sides in each side

1

2.3

3

20.25

and Heretadats room

1

area

67.06

132.12

Basement to tower

1

3.0

2.9

16.50

To walls at sides

1

3.0

2.9

16.50

Superstructure

To tower

1

area

38.38

921.12

Wall at sides

1

3.6

2

98.00

Addition wall to circular portion in

1

12

1 1/2

216.00

Heretadats room

1

12

1 1/2

216.00

Filling between & below steps

7

10

3

90.00

Total Sft. Stone in foundation

1812.49

Particulars of work.

Particulars of work.	Number.	Measurement in			Contents.
		Length.	Breadth.	Height.	
Bulls eye windows 2 diameters	5	3 1/4	1 1/2	-	23.55
Total openings					139.03
Circular arch work					
Cut stone dressed & sides for windows	7	6	1 1/2	1 1/4	78.75
Bulls eyes	5	10	1 1/2	1 1/4	93.75
Total Cut stone arch work					172.50
Total of all Deductions					311.50
Total hammer dressed stone upper story					1599.47
Total Circular arch work cut stone					172.50
But granite as shown in plan & sill of windows	19 ft.				23 5/8
Ornamental arch work over window					
Sides of stone granite dressed with					
Concave and convex surfaces & made	7	10			70.00
to fit (Circular arch work)					
For over bulls eyes	5	7	5		37.50
Total Plaster ornamental arch work					107.50
cornice all round in Cut stone of two					
Courses of Chisel pressed granite	1	102			102 1/2 ft.
like Tower and on the same level					
Total Plaster Cornice					102.00
Roofing					
Plastering					
Plastering	2	24 3/4	13		642.50
Total Plastering	2	11 1/4	10		292.50
Plastering					936.00
Interior all round with two coats					
Total Plastering		92	13		1287
					1287

DETAILED ESTIMATE

District.

World

Reference

Particulars of work.	Number.	Measurement in.			Contents
		Length.	Breadth.	Height.	
<u>Painting Exterior</u>					
Front wall	1	30		14	110.00
Door	1	35		14	140.00
End	2	21		12	504.00
<u>Total Sft. Pointing</u>					754.00
<u>Deductions</u>					
Windows in porch room larger	6	2		5	60.00
do do do do do do smaller	1	9		3	6.20
Trimmer's portion	7	1.57			11.00
Full size windows	5	3.40			17.00
Gable ends of clerks and Police rooms which meet the end walls of porch room	2	18 1/4		3	112.50
<u>Total Deductions</u>					205.20
<u>Total Sft. Plastering</u>					1081.80
<u>Total Sft. Pointing</u>					1208.8
<u>Total Sft. White washing & Coat</u>					1081.8
<u>Wood work</u>					
<u>Court house</u>					
<u>Laundry & Post Office</u>					
Trusses in Court house	3	20.8	0.8	0.2	13.80
Trusses above	6	5.9	0.3	0.2	2.00
Principal Rafters	6	11.6	0.2	0.2	9.70
Thay Pole	1	11.0	0.9	0.3	11.50

Particulars of work.

Particulars of work.	Number.	Measurement in			Contents.
		Length.	Breadth.	Height.	
Purlins south side	1	65.0	0.9	0.7	28.5.3
do north side	1	55.0	0.9	0.7	24.0.9
Wall plates south side	1	60.0	0.6	0.5	12.6.0
North side	1	44.0	0.6	0.5	9.2.0
Common rafters south side	44	16.6	0.4	0.2 1/2	16.11.9
do north west side	7	16.6	0.4	0.3 1/2	8.0.3
do north east side	12	16.6	0.4	0.2 1/2	13.9.0
White pieces	132	4.0	0.3	0.2	22.0.0
Struts	86	3.6	0.3	0.2 1/2	12.0.4
Jack Rafter	20	8.3	0.5	0.2 1/2	11.5.6
White pieces	9	1.3	6.0	0.7	2.9.3
Parquet	5	0.9	0.4	0.4	0.5.8
Total					229.2.4
Reapers on south side in 02 line					
on north side omitting valley 15 ft					
45 x 34 ft					
Total 1 ft Reapers					35 ft
brackets pieces to Trusses					
Boots with nuts to rafters at eaves	102				
Iron ring rod for Trusses with laces and nuts	3				
Verandah					
In front of Coach house					
Wooden posts					
White pieces	6	13.0	0.8	0.8	17.8.0
do at corner	14	2.0	0.8	0.3	3.6.0
Postsummers	2	0.9	0.6	0.6	0.4.0
	1	44.0	0.7	0.9	19.3.0

DETAILED ESTIMATE

District.

13

Work

Reference

Particulars of work.	Number.	Measurement in			Contents.
		Length.	Breadth.	Height.	
Brackets	10	0.9			0.10.0
Jack rafter average from 16 to 5	27	10.6	0.5 1/2	0.3 1/2	37.4.9
Ship rafter principal	2	21.0	0.5	0.6	8.9.0
Common	2	22.0	0.5 1/2	0.5 1/2	5.11.7
Purlin piece across	1	10.6	0.6	0.7	4.1.0
White pieces eaves	42	4.0	0.3	0.2	7.0.0
Struts	77	3.6	0.3	0.3 1/2	6.10.8
Struts at corner	2	4.0	0.5	0.5	2.0.0
Putting piece for struts	1	40.0	0.4	0.3	3.4.0
Cap piece under ridge	1	1.0	0.6	0.4	0.2.0
Total					118.3.6
Reapers 28 x 34	952				952.0
Boots with nuts to eaves	42				
Shrestadars and Coachers Room					
Beams	2	17.0	0.8	0.9	25.6.0
Joists	44	10.0	0.3	0.6	25.4.0
Wall plates	2	33.0	0.2	0.4	3.8.0
Total					75.8.0
Blank Room					
Diagonal	2	20.0	0.8	0.4	9.7.0
Struts above	4	5.0	0.3	0.4	7.1.0
Principal Rafter	4	11.6	0.5	0.4	6.5.8

Particulars of work.

Measurement in

Number.

Length.

Breadth.

Height.

Contents.

Ridge pole					
Purlins both sides	1	57.90	9.0	3	9.8.4
Wall plate	2	46.00	9.0	7	40.3.
Principal rafter	2	38.00	6.0	5	15.10.
Common rafter	2	17.00	8.0	6	11.4.0
Gable rafter	2	23.00	2.0	4	5.1.2
Rafter	20	8.90	4.0	2 1/2	11.5.6
Small	44	10.80	2.0	2 1/2	26.11.9
Choke pieces	3	10.00	4.0	2 1/2	2.1.1
Strut	88	4.00	0.3	0	11.8.0
Bracket	44	3.80	0.3	0	8.0.3
Choke piece	4	0.90	4.0	4	0.4.0
Total	2	1.31	0.0	9	7.10.6
Trusses purlins of 31 x 51 = 41 1/4					
41 1/4 x 64 for 2 sides					185.1.9
Ironing rods for Trusses with nuts	2640				
Iron bolts with nuts to eaves	2				264.1
Circular pieces to Trusses	88				88
Suber Verandah					
Ridge pole to extend as per plan	1	18.00	3.0		3.4
Purlins	2	18.00	9.0		15.9
Wall plates	2	18.00	6.0		7.6.1
Rafter	2	13.30	2.0		3.6.2
Choke pieces	14	12.00	2.0		11.8
Struts	1	9.60	2.0		0.7.4
Total left	1	7.60	4.0		13.5

DETAILED ESTIMATE

District.

Work

Reference

Particulars of work.

Measurement in

Number.

Length.

Breadth.

Height.

Contents.

Ridge pole 2 x 18 x 12					
Verandah purlins turned by a lathe	2				
Dangerous	1				
and 1 Board	2				
Back Verandah					
Ridge pole	1	10.00	5.0		11.1
Choke piece	8	5.00	5.0		3.4.0
Trusses beams	2	12.00	5.0		2.9
Pressure members	1	24.00	5.0	7 1/2	9.10.7
Wall plates	1	24.00	5.0		1.10.8
Rafter	23	8.00	2.0		11.9.1
Total left					55.11.8
Suber Verandah					
Ridge pole	1	2.00	2.0		2.0.0
Purlins	2	19.00	9.0		16.7.6
Wall plates	2	19.00	6.0		7.11.0
Common Rafter	23	15.00	2.0		24.8.7
Strut	22	2.00	0.3		4.0.1
Choke piece	14	12.00	2.0		11.8.0
Total left					64.2.6

Particulars of work.

Number.	Measurement in			Contents.
	Length.	Breadth.	Height.	

Bolts with nuts & washers to eaves	44				44
Reaper 2x29x18	134				1044
Covered way					
Posts	4	12.00	7.00	7	16.4.0
Choke pieces	8	2.00	7.00	7	5.10.0
Tie beams	2	16.00	6.00	4	7.4.0
Struts	4	5.00	3.00	4	1.9.0
Principal Rafters	4	9.00	5.00	4	5.3.6
Choke boards to do	8	7.00	1.00	5	2.11.0
bleats	4	1.00	7.00	9	1.9.0
Struts	4	5.00	3.00	4	2.9.4
For purlins	8	0.90	4.00	4	0.8.0
Rafters from Police room walls	2	6.00	5.00	4	1.8.0
Struts to rafters do do	2	2.00	4.00	5	0.6.8
Truss Pole	1	40.00	3.00	2	7.2.1
Purlins	6	31.00	7.00	7	89.3.1
Principal valley rafter	2	13.00	5.00	7 1/2	6.9.3
Common do	2	21.00	4.00	4	4.8.0
Rafter	34	15.00	2.00	1	36.7.2
Jack rafters	16	7.90	2.00	3 1/2	7.6.5
Chokes	2	1.30	1.00	9	1.10.8
Total left					211.4.9
Reaper joining of 39x26x82 on each side Pfl					208.0
Iron King Rods	2				2
Circular pieces	4				4

DETAILED ESTIMATE
District.

Work
Reference

Particulars of work.

Number.	Measurement in			Contents.
	Length.	Breadth.	Height.	

Jack Rafters	2	17.00	2.00	4	5.10.0
Tie beams	2	15.00	2.00	4	3.0.0
Struts	4	10.00	2.00	4	2.5.4
Principal rafters	3	12.90	2.00	3	10.2.3
Brackets	2	1.00	1.00	9	1.10.6
Chokes	1.5	38.00	3.00	7	5.6.6
Truss Pole	1	98.00	3.00	5	23.9.10
Purlins all round	1	130.00	5.00	4	18.0.8
Pole plate all round	1	16.00	5.00	1 1/2	16.8.0
Principal hip rafters	4	21.80	4.00	3 1/2	7.8.1
Common	27	45.00	2.00	2 1/2	24.1.3
Rafters	69	7.60	2.00	2 1/2	31.5.5
Jack rafters	170	4.00	2.00	2	28.4.0
Choke pieces	1	3.00	2.00	3 1/2	15.10.3
Struts					785.7.0
Total left					
Reaper					
Back 57x31					
Ends 28x31					262.7
Sides of 19x31					
Covered way 19x31					
Iron King rods					176
do bolts to eaves					
Circular pieces					

Particulars of work.

Number.	Measurement in		
	Length.	Breadth.	Height.

Record Room

Tie Beams	2	20.80	80	1	9.16
Principal rafters	4	5.90	30	1	1.11.0
Checks	4	11.60	50	4	6.4.8
Principal hip rafters	4	0.90	4.0	1	0.4.3
Ridge pole	1	18.00	80	6	26.1.1
Purlins all round	1	15.00	9.0	3	2.7.1
Pole plates	1	67.00	7.0	7	29.3.9
Total lft					20.4
Common Rafter	18	13.00	4.0	2 1/2	76.2 1/2
Hip rafters	4	18.00	4.0	2 1/2	16.2 1/2
Joists	12	6.00	4.0	2 1/2	8.0 1/2
Total lft					20.9.2
Plaster of Paris 6x27					14.4.5
Iron truss rods	2				16.4.7
Carriage pieces	4				2
Wooden batten 18x4xlong	1				1
Teak wood turret with iron work & gong	1				1
Complete	1				1
Teak wood door 3 panels 8 1/2 x 6 feet 6 inches including two glass at side of Carli's room	26	15x12 1/2	15x20	8	8.32
Door of Teak wood frames and iron barred shutters for jail ward	8	8x4 1/2	8x4 1/2	8	192
Iron battens door 11 feet 6 inches outside	6	4x1 1/2	4x1 1/2	8	792
Iron bars ventilators in jail ward	6	5x1 1/2	5x1 1/2	2	60

DETAILED ESTIMATE
District.

Work

Reference

Particulars of work.	Number.	Measurement in			Contents
		Length.	Breadth.	Height.	
Iron barred windows in record room including ventilator top with ventilator & shutter	6	2	1 1/2	1	180
Wooden railings in Court house & Office	1	12	1	3	324
Wood piling	1	12	1	1	130
Handed brick weighing three times as much as common	1				1
<u>Out Office</u>					
Pyrothide	1	1 1/2	1 1/2	2	312.00
Retaining wall including accounts	12	2	2	1	192.00
Foundation for twelve posts					534.00
Total lft masonry					288.00
Slabs for the bottom of Post	12	2	2	2	48.00
Wood work					
Jungle wood posts 8 inches diameter and 13 feet long 3 of which to left into the ground	12	11	11	11	177

Particulars of work.	Number.	Measurement in.			Contents.
		Length.	Breadth.	Height.	
Polesummers	1	12.0	4	8	20.8.0
Tie pieces across over each post	3	18.0	4	8	9.0.0
Rafter to Couples placed apart	24	18.0	3	5	32.6.0
Collar pieces	11	12.0	3	5	13.9.0
Tie rafters	4	19.0	4	5	10.6.8
Tie pieces	2	3.0	3	5	1.7.6
Jack rafters	20	8.8	3	5	27.1.0
Total left jungle wood wrought & put up					113.6.2
Roofing with small bamboo reeds and poles etc. Complete		80x13			104.0
Flooring					
With hard gravel well rammed	1	20.0	4 1/2	1/2	16.7.33
Total left of Flooring or b-yards					16.7.33
Excavating					6
Foundation posts	12	2	2	4	192.00
do retaining walls	12	1 1/2	1 1/2	1	171.00
Total left Earth work or b-yards					363.00
Work shed					13 1/2
Masonry wall as shown in place including foundation and foot	1	38	1 1/2	11	627.00
Retaining wall in front	1	28	1 1/2	2 1/2	105.00
Total left Stone in Chamam					732.00

DETAILED ESTIMATE
District.

Particulars of work.	Number.	Measurement in.			Contents.
		Length.	Breadth.	Height.	
Painting					
Plas and side walls outside & inside	1	19	8		632
Total left Painting					632
Wood work					
Jungle wood posts not less than 6 in diameter & 11 long, 30 of which to be into the ground	30				4
Polesummers	1	20.0	4	5	4.2.0
Tie pieces across over each post	2	16.0	4	5	1.5.4
Rafter to Couples 2 a post	18	13.0	12 1/2	4	16.3.0
Wall plates	1	30.0	2	4	1.8.0
Collar pieces	9	12.0	3 1/2	4	7.6.0
Total left jungle wood wrought and put up					34.0.4
Slabs under posts	4	2	2		16.00
Total left Slabs					16.00
Roofing					
Roofing with small bamboo reeds & poles etc. Complete	2	17	13		442.00
Flooring with hard gravel well rammed	1	15	15	1/2	2.0
Total b-yards					

Particulars of work.	Number.	Measurement in			Contents.
		Length.	Breadth.	Height.	
Excavating foundation all round	1	66	1 1/2	2	198
Total b. yards					7 1/3
<u>Hospital Shed</u>					
Foundation to rear and side walls	1	12	2	2	24.0
do do partition	1	8	2	2	32.0
Basement & side walls	1	61	1 1/4	1	106.75
do do partition	1	8	1 1/4	1	11.00
Retaining wall including foundation	1	45	1 1/2	2	135.0
Superstructure to rear & side walls	1	60	1 1/2	7	630.0
do do partition	1	8	1 1/2	7	84.0
do do gables	3	1 1/2	1 1/2	1 1/2	77.25
Foundation & basement to ports	3	4	2	4	96.0
Total left stone in chunam					1123.35
Spl. Slabs for the bottom of ports	3	2x2			12
<u>Wood work</u>					
Jungle wood post not less than 5 in diameter & 11 high 3 of which is let into the ground	3				3
Postsummers	1	42.0	3	1	3.60
Wall plates	1	42.0	2	4	7.40
Five pieces across each port	3	10.0	3	4	2.60
Principal rafters in front	3	10.0	3	5	3.15
do do in rear	3	7.0	3	5	2.25
Struts	1	4.0	3	2	8.0
Roofing piece	1	42.0	3	5	4.46

Work		DETAILED ESTIMATE				District.		18	
Reference		Particulars of work.				Measurement in		Contents	
		Number.	Length.	Breadth.	Height.				
		3	42.0	4	5			17.5.0	
		22	10.0	2	2			7.1.0	
		22	8.0	2	2			7.2.0	
		Total left jungle wood in weight of posts & rafters						52.5.3	
		1	40	7				880	
		Roofing with small bamboo and thatch like & complete						880	
		Total Spl. Roofing							
		Plastering							
		1 1/2	10.0	7				462.0	
		2	11 1/2	1 1/2				32.6	
		1	7.6	7				52.0	
		4	10.0	1 1/2				50.0	
		1	10.0	1				10.0	
		Total Spl. Plastering						1182.5	
		1	35 1/2	12				426	
		Excavation, Centre Yard						7	
		Jail Latrine							
		2	20	1 1/2	9			520.0	
		1	11.0	1 1/2	10 1/2			173.3	
		1	18.0	1	9			162.0	

Particulars of work.

Number.	Measurement in			Contents.
	Length.	Breadth.	Height.	

Chasemy wall in front of male latrine	1	12.0	1	7	108.0
do for foundation of plat form as per plan	1	20.0	8	1	160.0
Divisional wall	6	4	4	3/4	72.0
Total left Stone in Chumam					1215.0
<u>Plastering</u>					
Plat form of male & female latrines	1	20.0	8		160.1
Divisional walls	6	8.7	4		210.1
S. between do back to pond sides	1	26.0	1		104.1
Total left Plastering					474.1
<u>Wood work</u>					
Plat form	1	20.0	8	5	2.7.1
Wall plates	2	20.0	2	4	2.2.8
Rafter 2 apart	22	13	3	1	23.10.1
Total left Jungle wood put up					28.1.8
Roofing with small bamboo & p.d. Ekeage	2	20	13		520.0
Complete					
Excavation 6 yards					19
<u>Rough stone in mud</u>					
Foundations to front and rear wall	2	403 1/2	2	2	3228
do to side walls	2	249 1/2	2	2	1996
Superstructure to front dress wall	2	403	1 1/2	1	4896
do to side walls	2	250	1 1/2	4	3000
Total left rough stone in mud					12160
<u>Deductions</u>					
Space occupied by gate & pillars in foundations	1	19	2	2	76
do in super structure	1	18 1/2	1 1/2	4	111

DETAILED ESTIMATE

District..... Talook..... Village.....

Work.....

Reference.....

Particulars of work.	Number.	Measurement in.			Contents.
		Length.	Breadth.	Height.	
Opening in rear wall in superstructure	2	3	1 1/2	4	36
Total deduction					223
Total left Stone in mud less deduction					12837
<u>Stone (hammered dressed) in Chumam</u>					
Foundation to Pillars	2	2 1/2	2 1/2	3	37.50
Superstructure to do	2	2	2	5	40.00
Roofing to Compound wall	1	128 1/2	1 1/2	1	1922.25
Total left hammer dressed stone in Chumam					1999.75
<u>Rough pointing with Chumam</u>					
Compound walls both sides and top	1	1284 1/2	11		14,129.50
Pillars	2	6 1/2	5		65.00
Total left Rough pointing with Chumam					14,194.50
Slabs to heel of gate (2 3/4 x 2 x 4 each)	2				2
do to pillars head (each 2 1/2 x 2 1/2 x 4)	4				4
Rough dressed stone Cap to do (each 2 1/2 x 2 1/2 x 8)	2				2
Gate to wood gate (14 x 5) with bolt padlocks & all fitting complete including pointing with two coats of Caranorath color paint	1				1
Turnstiles to rear wall	2				2
Excavation Cubic Yards					192

New Work

Similar

DETAILED ESTIMATE

District. Tallook. Village. D.

Work. Construction of a Turrahau. James M. The. Tallo.

Reference.

Particulars of work	Number	Measurements in			
		Length	Breadth	Height	Content
Wood Work					
Bottom frame to head	8	2 1/4	6	6	5.50
Uprights	8	7	8	10	31.11
Verticals	18	2	17	1 1/2	17.00
Piece put verticals	8	2	12	6	8.00
Top frames to head	8	2 1/4	6	6	5.50
Ribs	8	4 1/4	1	6	5.66
Centre piece to ribs (1/2 diameter)	2	7 1/2		3	0.39
Butting pieces to bottom & single in cap	8	2 1/2	3	1	1.66
Hips to cap	8	13	1	7	20.22
Ribs	8	1 1/4	1	1	1.55
Centre piece to ribs (1/2 diameter)	2	4 1/4		2	0.14
Shingles bottom part of cap	64	2 1/4	9	3/4	6.75
Do: Top	112	3/4	9	3/4	3.93
Total Est. To be wrought & put up					107.73

Iron work

Post to bottom frame of head 1/2 diameter and 5 long with heads	8				8
nut & wash complete	8				8
Clamps to Ribs in head 2 1/4	8				1
Post with wash to centre	1				8
Clamps to frame above head 2 1/4	8				

Particulars of work.	Number.	Measurement in			Contents.
		Length.	Breadth.	Height.	
Bolts to frames with nuts and washers <u>see complete</u>	32				22
~~Clamps to hips~~ $2 \times \frac{1}{4}$	8				8
Bolts with washers <u>see for ribs in cap</u>	1				1
Clamp. to ribs in Cap $2 \times \frac{1}{4}$	16				16
Final wrought iron <u>prow</u>	1				1
Lead Caps to hips	1				1
<u>Pitch</u>					
Riveting with two courses of Carsons pitch	6				6
Richard					
Asisto. Engineer S.F.W.					
Bureau Range Dist. Bureau 21 st December 1874.					

ABSTRACT

Quantities.	Description of work.	Rate.	Per.	Amount.	Amount of each part.
107.73	bpl Teak wood wrought & put up	4 8	bpl	184 12 5	
8	Bolts 5/8 long (1 diameter) —	3	each	24	
8	blamps to ribs in head —	1 1/4		11	
1	Bolt and washers to centre piece in head —	1		1	
8	blamps to bottom of frame above head —	1 1/4		11	
32	Bolt 1/2 dia to —	8		16	
8	blamps to hips in cap —	1 1/4		11	
1	Bolt with washers to centre pieces in cap —	12		12	
16	blamps to ribs in cap —	10		10	
1	Finial wrought iron 1/4 thick	30		30	
1	Lead cap to hips in caps —	10		10	
8	Sp. for cone paint —	3	Sp.	18	
	Scaffolding 1/2 dia —			31 77	

Total, Rupus ————— 650..

Прислать все.

Asistente Angewandte D. I. H.

21st Decem^r 1874.

New Work

Civil

Supplemental

2

ABSTRACT ESTIMATE.

Bellary District

Work Making improvements to the Dyot's shed and Cook's House attached to the Taluk Butcher's at Raichur
Vide G. O. No. 1788 of 13th May 1874

Quantities.	DESCRIPTION OF WORK.	Rate.	Amount.	Amount of each part.
<u>Dyot's Shed</u>				
5.33	Excavation — <u>lyd</u>	2 - -	10 8	
4.80	lft. Stone in Chumaw — <u>lft</u> (rough)	1 9	52 8	
2.60	Sft. Honey Comb work — <u>Sgr</u>	16 8	42 14 5	
7 1/2	" — Painting walls (rough) —	1 - -	7 1 11	
	<u>Total</u>			103 3
<u>Cook's Shed</u>				
22 1/2	lft. Stone in Chumaw — <u>lft</u> (rough)	1 9	24 5	
392	Sft. Painting walls (rough) — <u>Sgr</u>	1 - -	3 14 9	
	<u>Total</u>			28 6 9
	<u>Grand Total</u>			131 9 9
	<u>Lundries at 5 per Cent</u>			6 6 3
	<u>Total Estimate Proper</u>			138 - -

From Office in charge
of Bellary Range
To
The
Superintending Engineer,
Bellary 3rd Division.
Dated 21st November 1874.
Received
Detailed.
Estimate amounting to Rs. 2942-0-
for
Constructing a shed
for the Taluk Butcher
with out houses at
Raichur.
Mr. 008/55

Civil

New Works

22

ABSTRACT ESTIMATE.

Bellary DISTRICT

WORK

Supplemental Estimate for the improvement of fashier's room in the Talug butchery, under construction at Raichoor. Vide G.O. No. 1288, dated 13th May 1874.

Quantities.	Description of Work.	Rate.	Per	Amount.	Amount of each part.
	<u>Railing off the room</u>				
11. 11. 2	6 ft Feats wood wrought and put up	4 8	6 ft	53 11	
858.05	1 lb 1 Round Bar Iron put up	4	lb	214 8 2	
84.33	2 x 1/2" Flat bar iron wrought and put up	5		26 5 8	
4	Sets, Hooks and hinges with bolts 3/4" put up	2 8	Each	10	
1	Set 1" Round bar bolt and eye for pad lock	1 8		1 8	
	completely put up				
1	Strong Pad Lock, chub	15		15	
2	Slabs, under vertical upright	1		2	
	Putting up, charges including the removal & removal of masonry & ring 1/2" where necessary	2		2	
	Total			323 2 10	

From,

Chief Officer

Incharge

Belary Range

To,

Chief Officer
The Superintending Engr.
Bellary 3rd Division.
Bellary District.

No.

Date, 21st September 1874
Received 22 1874

ABSTRACT.

Estimate amounting to Rs. 128

of the Probable Cost of
improvement of the fashier's
room and Cook's house
situated at the Talug butchery
= charged at Raichoor

Quantities.	Description of Work.	Rate.	Per.	Amount.	Amount of each part.
	Brought over				323 2 10
	Fitting the openings with iron bars & providing a strong iron barred doorway—				
20.5.0	bft of Teak wood wrought & put up	4.8	bft	91 4	
770.28	lbs of 1 pound bar iron put up	4	lbs	192 9 1	
85.17	2x1/2 Flat bar iron wrought and put up	5		26 9 10	
4.	Set of hooks & hinges with bolts & put up	2.8	Each	10	
1.	Set of 1/2 x 3/8 Flat bar bolts & eyes for pad locks Completely put up	5		5	
2	Strong Pad Locks, clubs	15		30	
	Cost of removing 4 doors frames and refitting including sundry plastering & complete	8		2	
	Total				358 11

Quantities.	Description of Work.	Rate.	Per.	Amount.	Amount of each part.
	Brought over				681 3 9
	Making a Prep hole in the side wall—				
9	bft Dismantling Stone in Churnam—	4	bft	36	
9	— 1/2 ft Stone work including plastering	2		18	
	Total				183
	Total of all parts				699 6 9
	Deduct the value of 4 doors at 30 Rs each				120
	Net amount				579 6 9
	Sundries at about 5 per Cent				20 9 3
	Total Estimate Rupees				600

Bellary RANGE OFFICE
21st September 1874.

Sp. L. S. S. S.
Sub Engineer in charge
Bellary Range.

E. A. Ford Col. R. E.
District Engineer Bellary



No. 1661. Superintendent Engineer's Office - Bellary.
 Camp Gooty 12th January 1875
Disphd. 15/1/75
 From, The Superintending Engineer 2nd Division Bellary
 To, The Secretary to Government D. P. W.

I have the honor to forward for the sanction of Government, a Supplemental Estimate of Rs. 3932⁺, for completing the Salub. Butchery at Raichur, in the Bellary District. An Estimate of Rs. 18,110- was sanctioned for this butchery, in the Order of Government of the 6th of May 1874, No. 1210, and this will be exceeded by more than 20 per cent, as shown in Detail in the Comparative Statement.

A considerable portion of the additional cost is due to the exterior arches having been built with chisel dressed granite. They were, at first, built with hammer dressed stone, but the late District Engineer had them taken down and rebuilt. The ornamental details in the Standard Plan were intended to be carried out in brick, but as they have been exactly copied in stone, and great perfection of workmanship was insisted on, the

- Enclosures.
1. Supplemental Estimate.
 2. Estimates for Improvements, with reports.
 1. Comparative Statement.
- 4.

+ Rs 4670 including the cost of Improvements.

From, The District Engineer In charge Bellary Range.
 To, The Superintending Engineer 2nd Division Bellary.
 Dated 21st Sept 1874.
 Received
 Abstract Estimate amounting to Rupees 600-
 for the improvement of Salub. Butchery, in the Bellary District.
 D. P. W.

The cost has necessarily been considerable. The walls of the lower story had to be built 1 1/2 feet higher than allowed in the Estimate and the foundation and basement are somewhat broader than in the Estimate. The actual quantity of masonry in the tower is also considerably greater than in the Estimate. The tower having been built solid to above the basement.

3. Another cause of the increased cost of the butchery is the death of the contractor during the progress of the work. He was being paid the rates in the Estimate. As there is an upper story, over only a portion of this building, one uniform rate was allowed in the Estimate for the whole of the masonry. The contractor was paid at that rate for so much of the work as he did, and would have received no more for the remainder. The upper portion of the work, which necessarily cost more than the lower, had to be built Departmentally. For the same reason a higher rate had to be paid for the roofing of the upper story.

4. Some items were omitted in the Sanctioned Estimate, and too little was allowed for the cost of the roof of the tower. The old materials could not be utilized to the extent anticipated at the time of framing the Estimate.

5. The compound wall has not been commenced and can, if desired, be left till

next

next year. In other respects the butchery has been nearly completed. It has been substantially built with the most durable materials.

b. I also forward for the sanction of Government two other Estimates for this butchery for the works authorized in G.O. No. 1288 dated 13th May 1874.

For alterations to the Cashier's Room No. 600. Enclosing Ryoti Shed & Cooking Shed No. 138.

These two Estimates might have been forwarded earlier, but I kept them till a Statement had been prepared showing the total excess above the Sanctioned Estimate for the butchery.

I have the honor to be,
Sir,
Your Most Obedient Servant.

E A Ford Colonel R.E.
Superintending Engineer 2nd Div.
Bellary.

Remarks.

289/126 11

" " " 181.99 106 7 "

“ ”

34. $\frac{7}{2}$ 7 8 8

“ “ “ “ “ “ “ “

" " " 9.10.98 24 3

the doors & Ventilators
the Ventilators. Hence the
The quantity

Against

Statement showing the difference between

Original Estimate Revised Estimate

Original Estimate Revised Estimate

Increase Decrease

Remarks

Item	Description	Original Estimate	Revised Estimate	Increase	Decrease	Remarks
7	Water washing with 1 Coat of Chamois	3873 10.5	3733 12.5	140 8		No 7. 32. + 56.
8	Painting	13 101 9.10.98	13 101 9.10.98			The increase in quantity is due to the extra height given to walls in the first estimate provided for 1 Coat of water wash - this is not considered sufficient in the revised estimate provision had been made for 2 Coats at a rate of 4 sq yds 2.4s in the original estimate.
9	Leak board brought & put up -	1194.60 17 14.11	1194.60 17 14.11			The revised estimate shows less quantity because some deductions that should have been made were omitted in the original estimate - the price for the Upper story have been increased from 7.5 1/2 to 11.12.0 per sq ft as this is the rate it has actually cost owing to the great height of the scaffolding.
10	Leak roofers 3 1/2 of inches nailed	14.30 212 13.8	14.30 212 13.8			The increase is owing to the fact that in the original estimate the roof was estimated for 10000 sq ft.
11	Leak roofers 3 1/2 of inches nailed	1804 1/2 84 9.5	1804 1/2 84 9.5			Have estimated for than required
12	Leak roofers 3 1/2 of inches nailed	1112 3.2 15.13.13	1112 3.2 15.13.13			No 12. 54.
13	Leak roofers 3 1/2 of inches nailed	9.87 1/2 128 5.3	9.87 1/2 128 5.3			The increase in the amount is due to the rates for the Upper story having been raised from 13 to 14 1/2 per sq yd on account of extra scaffolding.
14	Leak roofers 3 1/2 of inches nailed	466 11.4	466 11.4			No 15. 48.
15	Leak roofers 3 1/2 of inches nailed	26 50. 1300.	26 50. 1300.			Have estimated for than required. Also one not put under the flat arches over the door & 2 over the Ventilators in the jail ward.
16	Leak roofers 3 1/2 of inches nailed	2 90.	2 90.			2 required for female jail ward & not provided for in the original estimate.
17	Leak roofers 3 1/2 of inches nailed	2 96.	2 96.			The original estimate provided for 10 double doors for the (male) jail ward and for 10 double doors for the (female) jail ward. In the revised estimate provision is made for the 10 double doors for the (male) jail ward and for 10 double doors for the (female) jail ward. The latter are necessary for, without them the prison would be a nuisance.
18	Leak roofers 3 1/2 of inches nailed	6 12.8. 75.	6 12.8. 75.			
19	Leak roofers 3 1/2 of inches nailed	6 22. 132.	6 22. 132.			
20	Leak roofers 3 1/2 of inches nailed	6 22. 132.	6 22. 132.			

Statement showing the difference between

Item of work	Original Estimate		Revised Estimate	
	Quantity	Unit Price	Quantity	Unit Price

Increase Decrease

Remarks

22	Lead and boarded windows with Venetian shutters including Semicircular top 2x3	each 1	15	15	1	15	15
23	Do Do Circular 2 diameters do	5	8	40	5	8	40
24	Wooden band pile 4 ft in height fitted to the places required	h.ft.	32	18	48	32	18
25	Range band in front of Public	each 1	5	5	1	5	5
26	Excavating foundation	Cy	22	24	6	3	57
27	Wood casing to all doors, windows & roofs	sq ft	130	1	130	130	126
28	Dressing Edges of basement & lower	h.ft	566	2	70	13	566
29	Masonry with Hammer & Chisel dressed stone in Chumam	Cft	970	4	242	8	143
30	Circular archwork	Cft	14	6	5	49	24
31	Plastering with 2 coats of Chumam	Sq	4	149	3	13	6
32	Whitewashing with 1 coat	Sq	4	149	2	9	3
33	Painting	Sq	6	1	8	7	12
34	Stone slabs for steps dressed so as to form themselves a wall	each	22	2	8	55	24
35	Do Do over doorway	sq	1	1	8	1	8
36	Wooden head over masonry comprising 8 ft of Venetian shutters, framed & complete as shown in Plan	sq	1	120	120		
37	Wooden Cap over	sq	1	100	100		
38	Iron bands as shown in Plan	sq	1	30	30		
39	Semicircular archwork with cut granite Chisel dressed by sides	Cft				148	65
40	Ornamental arch of cut granite Chisel dressed & closely jointed	Cft				62	3
41	Coronice of cut & Chisel dressed granite in two layers, one dentile & the other dressed with slope & closely fitted	sq				26	2
42	Excavating foundation trenches	Cy				13	3
43	Masonry brick in mortar	Cft				99	68
44	Cut stone work over loop holes	sq				8	43
45	Ornamental Arch of cut granite Chisel dressed	h.ft				7	3

450 16 658 99

17.4 103
 28
 162 49 190 54
 12 7/8 1 6
 176 2 46
 4 49 7
 2 3/8 3 7/3
 5 14 8
 24 5 8
 400
 148 65 354 49
 62 18
 26 52
 13 2
 99 68 24 49
 8 43 16 139
 7 21
 162 49 190 54
 13 2
 99 68 24 49
 8 43 16 139
 7 21

Remarks
 The decrease of 14 Cy. is due to the original estimate.
 Note in the original estimate greater than required.
 Some in the original estimate have been made when taking the quantities as those in a difference of 11 Cft. in space on the original estimate.
 Vide Remarks against No 3.
 5 slabs more than estimated for were required. The decrease in the amount owing to the slabs having been lowered and supported by a high stone base required under the doorways at entrance at the lowest head & base, only one was allowed in the original estimate.
 Note in original estimate not sufficient.
 Vide Remarks against No 3.
 Built over the Coronice of stone, instead of stone in the cut stone put up without as in the original estimate.

Raidroo Original and Revised Estimates

Statement showing the difference between the Original and Revised Estimates

Item of work	Original Estimate		Revised Estimate		Increase	Decrease	Remarks
	Rs.	P.	Rs.	P.			
49 Masonry hammer dressed Stone in Changan	1599.45	3	299.45	99.45	1766.10	707.53	Vide remarks against no 2
50 Circular work of Cut Stone dressed on 4 sides	142.50	2	345	12.50			Vide remarks against No 3
51 Cut granite as shown in Plan to fill of windows	238.78	35	238.78	35			Do Do No 40
52 Ornamental Archwork over Windows of Cut granite	107.5	3	322.8	11.5			Do Do Do
53 Carved Cut Stone in ten layers one dentile & another cut into a slope	102	3	306	102			Do Do Do
54 Bengal terrace	9.36	14	131	9.36			Vide remarks against No 5
55 Plastering 2 Coats	10,81.80	4	35.26	10,81.80			Vide remarks against No 6
56 Whitewashing 2 Coats	10,81.80	4	2.13	10,81.80			Do Do No 7
57 Pointing	12,08.80	1	21.26	12,08.80			Do Do No 8
58 Circular pieces to tresses	22	1.8	33	22			Do Do No 40
59 Eave balustrade to porch	2	2.8	5	2			Do Do Do
60 Ornamental piece to	2	2.8	5	2			Do Do Do
61 4" Balustrade with balusters Complete to Eave Struts	482	4	120.8	42			Required to check pieces and Balustrade to eaves omitted in the Original Estimate
62 Working lower for street	1	15	15	1			Required for clearing purpose
63 Wall read built for drainage	1	50	50	1			Required for drainage in the Bengal terrace roof omitted in the Original Estimate
64 Patten wall 12 Planks	192	1.8	288	192			Vide remarks against No 19
	15115.210		18189.146	3482.11		707.53	

Cycle Shed

65 Rough ashlar Stone in Changan	342	19.37	66.534	19.58	66.19	21	
66 Stone Slabs 2x2	12	12	48	12	12	48	
67 Red or jungle wood posts of not less than 8" diameter & 13 ft high	12	12	144	12	12	144	
68 Red or jungle wood brought & put up	147.2	3	322.8	147.2	3	322.8	
69 Roofing with Guano latine Bamboo	100	10	100	100	10	100	
70 Respecting patten	10	10	10	10	10	10	
71 Flooring with hard gravel well rammed	629	4.5	132	629	4.5	132	
72 Excavation	299	2	148.132	299	2	148.132	
	629.94		659.16	39.64		7.42	

Foundations & posts left out in the Original Estimate

Not sufficient rafters & jack rafters allowed in the Original Estimate

Not required as gravel has been laid & as no given gradual slope to the basement

Too much allowed in the Original Estimate

For the Original Estimate not enough allowed

Statement showing the difference between

tion of work.

Original Estimate		Revised Estimate	
Qty	Rate	Qty	Rate

Revised Estimates	
Increase	Decrease
Quantity	Amount

Remarks

Cook Shed

15742 12 9	1884 9	3821 73	715 40	
73 Rough & finish stone in Chumam	Cft 5 1/2 = 17 63 2 1/2 132	17 30 1 1/2	16 45	Retaining wall in front omitted in the original estimate
74 Stone Slabs 2x2	Each 4 = 4 3	12 3		
75 Red or jungle wood posts of not less than 6" diameter & 11 ft high	Do 11 10 = 40	11 10 = 40		
76 Red or jungle wood brought & put up	Cft 34 3 = 102	34 3 = 102		
77 Heavy brick sill work	Do 1 43 20 = 28 98		1 43 28 98	Improvements have to be made to the Cook shed (supplemental estimate sent) & heavy brick work will not now be required
78 Roofing with small solid bamboo, treated & complete	Do 1 42 10 = 44 32	1 42 10 = 44 3		
79 Flooring with hard gravel well rammed	Cd 8 1/2 = 4 2 1/2 2 1/2 = 4 11		6 1/3 1 64	A greater depth allowed for than required
80 Partition walls	Do 6 32 1 = 6 52	6 51		Omitted in the original estimate
81 Excavation	Cd 1 1/2 = 2 14 83	1 48		Do Do
	283 7	277 2 1/2	24 22	30 ..

Hospital Shed

82 Rough & finish stone in Chumam	Cft 13 6 1/2 = 17 49 7 2 1423 38	17 55 10 7 1/2	6 39	Foundations & basement & posts omitted in the original estimate
83 Stone Slabs 2x2	Each 3 = 12 2 4 = 3 = 12 2 4			
84 Red or jungle wood posts of not less than 6" diameter & 11 ft high	Do 3 10 = 30	3 10 = 30		
85 Red or jungle wood brought & put up	Cft 51 2/3 = 3 155	52 4 3 = 154 3 1/2	2 32	An increased depth of 1/2 an inch to ridge piece has been allowed
86 Roofing with small solid bamboo, treated & complete	Do 4 31 10 = 43 17 6 80 10 = 68		0 51 5 17	been estimated in the original
87 Plastering rough	Do 11 82 1/2 = 11 132	11 132		
88 Flooring with granite slabs & pointing	Do 4 80 8 = 38 64 4 26 8 = 34 13			
89 Excavation	Cd 1 1/2 = 2 128 14	2 2 2 3	0 54 4 61	Vide Remarks against No 86
	461 2 1/2	461	8 12 3	Foundation trenches for posts & basement in the original estimate
			9 1/8	

Mail Latrine

90 Rough & finish stone in Chumam	Cft 14 38 1/2 = 17 157 5 4 1215 30	17 132	223 20 24 6 1/2	Not so much required as estimated for, a saving having been effected by putting up partition walls instead of trench
91 All wood brought & put up	Do 28 1/2 = 3 85 8 = 28 3 = 84		1/2 1 8	Error in addition in original estimate

Statement showing the difference between
Original Estimate Revised Estimate

Increase Decrease

Remarks

Item	Original Estimate	Revised Estimate	Increase	Decrease	Remarks
93 Mastering with 2 coats of Chuanan and coated over with 2 coats	16487 10 5	19587 4	3852 5 8	754 14 8	Excess caused by having to plaster the partition walls.
94 Excavation	294 13 4	218 4	6 1	25 14 1	Omitted in the original Estimate
	300 13 4	294 3 1	19 5 2	25 14 1	

Compound Wall

95 Stone in mud	11 803 7 1283 1	11 735 1	1184 68 1		Decrease due to the breadth of the Compound having been reduced from 300 to 250 ft.
96 Coping with Stone in Chuanan	20 2198 19 240 6 6 1999 1	23 281 3 5	40 12 11 198 1		Rate insufficient
97 Plastering on both sides	112 12 1 112 8 11 11 1	141 16 1	29 7 5		Plastering to Coping omitted in the original Estimate
98 Excavation	208 1/2 2 26 8 192 2 24	16 1/3 2 8	16 1/3 2 8		Rate insufficient
99 Gate	1 25 25 1 65 65	40	40		Rate insufficient
100 Allot 2 1/4 x 2 x 4	2 12 1 8 2	1 8	1 8		Omitted in the original Estimate
101 2 1/2 x 2 1/2 x 4	14 12 3 4	3	3		
102 Stone Caps 2 1/2 x 2 1/2 x 8	2 1 2 2	2	2		
103 Iron Tiles	2 8 16 2	16	16		

Total	1207 6 2	1270 1	132 12 4	70 7	
Deductual of old materials	11995 13 11	21151 10 1	4006 7 2	885 12	
	1229 9 11	742		489 9 11	a part of the old foundation remains unused in the new Building as it was considered that the stones are not fit to be used. Hence the difference.
Sundries	16766 4	20409 10 1	4006 7 2	363 1 4	
Total	1343 12	1632 5 11	288 9 11		
Deduct Estimate already sanctioned	18110	22042	4295 11 1	363 1 1	
Net Excess requiring sanction	3932	3932	663 1 1		

Add.
Cost of Railing off a portion of the Treasury as per
Estimate A
" Improvements to the Dyak's Shed and cook
as per Estimate B
Net amount required

Bellary
21st December 1874

E A Archd Col R. E.
District Engineer Bellary

per
Assistant Engineer in charge
Bellary Range

Statement showing the

progress of work.

Original Estimate		Revised Estimate	
Quantity	Rate	Quantity	Rate

Increase Decrease

Quantity Amount Quantity Amount

Remarks.

in the construction of the

of the foundation

of the foundation

of the foundation

of the foundation

For Constructing Railway Cut:
on separate statement.

Dated 21st Decr 1874.
Received 27th Decr 1874.

The District Engineer
Bellary

To

The Assistant Engineer
Bellary District

From

Proceedings of the Madras Government,
Under date the 187

Read the following:—

From the Superintending Engineer
Bellary } (M. No. 166 of 12th Jan'y, 1875).
430

With his letter the
District Engineer forwards the
estimate for completing the
Cutcherry and Outbuilding
at Raidroog viz:—

Excess on Original
estimate of main
building } Rs 3932
Alterations in Caching
Room } 600

Including Ryots' shed
and Caching shed } 138

The two latter represent the
cost of changes in the arrange-
ments authorized by Government
subsequent to their approval
of the original estimate.
The excess shown in the

first, are to come to tent at-
tributable to the death of the
contractor, who had a general
rate allowed him for the
masonry so that the com-
pletion of the upper and
lower portions
departmentally was necessarily
carried out at extra cost.

2. Greater care in framing
the original estimate would
have resulted in a closer
approximation to the actual
cost, for there were omissions
which it is difficult to
account for, and for which
the late District Engineer
was responsible. There
remains also to have been some
superior stone work inserted
in the part which was not
necessary.

3. The estimates as now
forwarded

forwarded are sanctioned,
and it is observed, that
with these additions the cost
of the buildings will amount
to Rs 22,780; the original
estimate approved in G.O.
No 1210 of the 6 May 1874
being Rs 18,110.

4. As no funds are
available from which an
additional allotment can
be made, the expenditure
during the current year
must be limited to the
amount of the ^{sanctioned} grant ~~in the~~
~~in the budget.~~

Adm. S.
G. W.

46 No 1943 of 20 July 74.

To
The Sup^y Eng^r Bellary
- Controller of P. W. Works
- Judicial Dept.

Recd. 16-2-75.

308

Govt. of 1875 Madras.
PUBLIC WORKS.

To

The St. Inger
Bellary

Dated

Recd.

Encl 4

G. O. 15 Feb. 1875, No. 430

No. 348-349.

Taluk Cutcherry at
Raidroos. Bellary S.

Estimates for com-
pleting the Cutcherry
& out-building, saved
with remarks & the ex-
penditure during the
current year to be
limited to the sanctioned
amount of the sanctioned
grant.