

(1) Number of pages 16

(2) Date of repair 17-6-66

(3) Initials of the Referencer _____

MADRAS RECORD OFFICE.

Government of Madras.

Public works DEPARTMENT.

G.O. No. 2597	Press ~~Mis.~~
465-66	
Dated 31. 10	18.70.

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
31st October 1870.*

No. 465. Read the following letter from the Acting Superintending Engineer,
5th Division, to the Secretary to Government, Public Works Department,
dated Cuddalore, 10th October 1870, No. 143:—

I HAVE the honour to submit, for the sanction of Government, a supplemental estimate of Rupees 5,140, in the form of a comparative statement, for completing the Serjeants' Mess, Library and Recreation Rooms for Cavalry on the late Race Course at Bangalore.

2. The original estimate, framed by Captain Mead and sanctioned in G. O., No. 2,855, of the 7th September 1868, amounted to Rupees 46,750. The causes which have led to the excess of Rupees 5,140 over this amount are explained in the column of remarks of the statement, and I am of opinion that the extra works were necessary.

Original Estimate	...	...	...	RS. 46,750
Supplemental do.	...	...	...	5,140
				51,890

3. Rupees 42,200 have been expended up to the official year 1869-70, and a grant of Rupees 9,685 has been sanctioned this year in G. O., No. 1,136, of the 29th April 1870, both amounts making a total of Rupees 51,885,* nearly the amount of the revised estimate.

* Expenditure	...	...	...	RS. 42,200
Grant	...	...	...	9,685
				51,885

4. The work has been completed and payment only remains to be made.

No. 466. ORDER THEREON, 31st October 1870, No. 2,597.

MILITARY WORKS, No. 18.

With this letter the Superintending Engineer of the 5th Division submits a revised estimate of Rupees 51,890 for completing the Serjeants' Mess, Library, and Recreation Rooms for Cavalry on the late Race Course at Bangalore, for the construction of which a sum of Rupees 46,750 was sanctioned in G. O., No. 2,855, of the 7th September 1868.

2. The excess of Rupees 5,140 it appears is partly due to insufficient rates having been allowed, but chiefly to extra work which, though not provided for in the original estimate, is considered by the Superintending Engineer to be necessary.

3. The buildings are reported to be completed, payments only remaining to be made.

4. Under the explanations afforded, His Excellency the Governor in Council accords his sanction to the revised estimate. It is observed that the expenditure

Proceedings of the Madras Government, Public Works Department,
31st October 1870.

up to the end of the past official year was Rupees 42,200, and as Rupees 9,685 have been allotted in G. O., No. 1,136, dated 29th April 1870, the funds at the disposal of the Superintending Engineer are sufficient.

(True Extract.)

Colonel R.E.,
Secretary to Government.

To the Acting Superintending Engineer, 5th Division.
„ Controller of Public Works Accounts.
„ Military Department.

Mrd. S. T. Angustin.

N^o 143.

Superintd. Engrs Office. 5th Div.,
Cuddalore, 10th October 1870.

From,

The Acting Superintending Engineer,
5th Division.

To,

The Secretary to Government,
P. W. Department,
Madras.

Enclosures. 2.

1. Abstract of revised Estimate.
1. Comparative Statement.

Sir, I have the honor to submit, for the sanction of Government, a supplemental estimate of Rupees 5,140, in the form of a Comparative Statement, for completing the Sergeant's Mess, Library and Recreation Rooms for Cavalry on the late Race course, at Bangalore.

2. The Original estimate, framed by Captain Read, and sanctioned in G. O. N^o 2885 of the 7th September 1868, amounted to Rupees 46,750. The causes which have led to the excess of Rupees 5,140 over this amount are explained in the column of Remarks of the Statement; and I am of opinion that

Original estimate 46,750
Supplemental do. 5,140

51,890

that the extra work was necessary.

3. Rupees 4,220 have been expended up to the Official year 1869-70, and a grant of Rupees 9,685 has been sanctioned this year in G. O. No. 1136 of the 29th April 1870, both amounts making a total of Rupees 5,885, nearly the amount of the revised estimate.

* Expenditure Rs. 4,220
Grant — " — 9,685
<u>5,885</u>

4. The work has been completed and payment only remains to be made.

Have the honor to be

Sir,

Your Most Obedient Servant

Richd. J. Roberts Esq. R. E.
Sd. Superintd. Engineer, S^d Dy.

that the extra work were necessary.

3. Rupees 122 on hand

P.W. 1870
From P. W. Dept. for Oct 1870
No 4090
The M. Superintendent Engineer,
5th Division.

To
(1)
The Secretary to Government,
P.W. Department.

Dated 10th
Recd. 13th October 1870
No 143.

Enclosures Two.
Submits for the sanction of
Government a supplemental
estimate of Rupees 5740 for
Completing Serjants Mess,
Library and Recreation
Rooms for Cavalry on the Race
course at Bangalore.
No 2597-31 ac No 1/50

No 465

16th Oct 70 B.D. m.

Military.

5th Division, D. P. W.

Bangalore.

New Works.

Abstract of Revised Estimate of 1870-71.
Works - Constructing Recreation Room for Cavalry on the Race Course
Barracks, Bangalore.

Quantity	Description of work	Rate	Per	Amount	Total
— Lower Story. —					
11748	Cubic feet of Excavation for foundation	1	6ft	61	3 .
11748	— of Foundation stone in chunam	2	6	1835	10 .
6636	— of Basement — do — do	2	6	1036	14 .
23310	— of Superstructure brick in chunam	2	9	4006	6 6
1912½	— of — stone in — do	2	9	328	11 4
625	— of Archwork brick in — do	4		156	4 .
991½	— of — stone in — do	6		371	13 .
37	Stones for window sills	2	1	Each	76 5 .
160	— for corners	13	9	137	8 .
128	— for arches	8		64	.
508	Running feet of String Course	7		3556	.
566	Stones for Steps	5		Each	176 14 .
264½	Squares of Plastering with two coats of chunam	2	8	Sqrs	660 1 7
210½	— of Whitewashing	3		39	7 3
53½	— of Blue or color washing	4		13	6 5
6253	Square feet of Dressing stones	4		1563	4 .
62½	Squares of Pointing with lime putty	4		125	.
91½	— of Paving with stone slabs &c	2		Sqrs	125 . 11
59½	— of Terracing with brick on edge jelly and flat tiles &c complete	15		898	5 7
49½	— of Flooring with cement concrete	25		1240	8 .
40½	— of Wooden flooring 3" thick	90		3670	3 2
1717½	Cubic feet of Teak wood wrought and put up	3	8	6ft	6011 4 .
53¾	— of — for Stair Case	3	12	201	9 .
38½	Running feet of Railings for Stair Case	3	12	144	6 .
24	— of — for Kipper floor	3	12	90	.
20	Stone plates under beams	4		Each	5 .
Carried over				24797	1 6

		Brought over		24797 1 6
19	Stone plates for Ventilators	9	Each	9 8
877	Rafter nails 9 long	9	Dz	41 1 9
11783	Cubic feet of Filling in Basement (in close)	1/4	bff	15 5 6
9333	Dz of Dz (in distance)	2	Dz	97 3 6
12929	Squares of Wood oiling with two coats	2	Sqr	258 8 7
4947	Dz of Green painting	6	Dz	296 13 1
525	Running feet of Zinc Spouts 4 diameter	8	Poff	262 8
77	Iron staples for spouts	6	Each	28 14
8	Pairs of Doors pannelled, venetioned and glazed with frames & ca complete 5x10	60	7 Dz	483 8
10	Dz Dz Dz 4x8	38	11 Dz	386 14
1	Dz Dz with circular top complete 6x13	90	8 Dz	90 8
23	Window Shutters inside glazed outside venetioned with frames & ca complete 4x7 1/2	64	Dz	1472
2	Dz Dz 2x7 1/2	32	Dz	64
19	Zinc Ventilators with frames complete 1x3 1/4	2	10 3 Dz	50 2 3
3	Marking boards	5	Dz	15
11	Inventory Dz	12	Dz	10 8
198	Squares of Levelling the ground	1	Sqr	198
				28577 8 2
Sundries				1422 7 10
				<u>Total for Lower Story, 30,000</u>

		Upper Story		
16628	Cubic feet of Superstructure brick in chunam	3	bff	3117 12
1565	Dz of Dz stone in Dz	3	Dz	293 7
397	Dz of Archwork brick in Dz	4	6 Dz	111 10 6
796	Dz of Dz stone in Dz	5	Dz	249
160	Leinkle Stones for corners	1	8 Each	240
117	Stones for Arches	1	3 Dz	138 15
15	Dz for window sills	3	6 Dz	50 10
882	Running feet of Cornice work brick in chunam around verandah	5	Poff	275 10
2447	Squares of Plastering with two coats of chunam	2	12 Sqr	672 10
1107	Dz of Whitewashing	3	6 Dz	24 1 7
767	Dz of Green washing	8	Dz	38 5 7
617	Dz of Blue or color washing	4	6 Dz	17 5 9

		Brought over		5229 7 5
5293	Square feet of Dressing stones	4	Sqr	1323 4
5293	Squares of Pointing with lime putty	2	4 Sqr	119 1 5
507	Dz of Roofing with teakwood reepers, nails, flat and pan tiles & ca complete	25	Dz	1251 12
6145	Dz of Terracing with brick on edge jelly 3 thick and 3 courses of flat tiles and 3 coats of chunam complete	33	Dz	2027 13 7
136	Ridge Ventilators complete	4	4 Each	578
13	Trusses complete	85	Dz	1105
4	Dz hip complete	35	Dz	140
1229	Cubic feet of Teakwood wrought and put up	3	10 bff	4455 2
802	Rafter nails 7 long		7 Each	29 3 10
562	Dz 8 Dz		8 Dz	23 6 8
30	Granite plates under the trusses and breastsummers	4	6 Dz	8 7
1297	Squares of ^{Wood} Oiling with two coats	2	8 Sqr	323 15 7
4962	Dz of Green painting with two coats	6	Dz	297 11 6
394	Running feet of Zinc spouts	8	6 Poff	209 5
83	Iron staples for spouts	6	Each	31 2
201 1/2	Running feet of Wooden railings with iron struts	2	10 Poff	528 15
19	Pairs of Doors pannelled, venetioned glazed with frames & ca complete 5x10	63	Each	1197
10	Dz Dz Dz 4x8	40	Dz	400
14	Window shutters inside glazed outside venetioned with frames & ca complete 4x7 1/2	66	Dz	924
	Dz Dz 2x7 1/2	33	Dz	66
2	Dz Dz 2x7 1/2	10	Dz	220
22	Living ventilators	12	Dz	9 12
13	Inventory boards			20498 7
				1391 9
Sundries				<u>Total for Upper Story, 21,890</u>
				<u>Total for Lower and Upper Stories Rupees, 51,890</u>
				<u>Total Amount of Estimate for Lower and Upper Stories Rupees, 51,890</u>
				<u>Deduct the amount already sanctioned in G. O. N. 23710/24 July 1868, 46750</u>
				<u>Balance requiring sanction, 5140</u>

Executive Engineer's Office

Bangalore 12th August 1868

Pick Robert Captain, R.E.

1st Lt. W. W. Wood Captain, R.E.
Executive Engineer, Bangalore

The Director, P. O. N.
Bombay.

1870/71
1870/71

Black & White

Estimate for constructing a

new & semi for building on the

Black & White

Bombay.

Amount of Estimate Rs. 51890-

(Original)
Narrative Statement showing the difference between the Original and Revised Estimates for constructing Barracks
now for Cavalry on the New Caval Barracks, Bangalore.

Description of Work	Original Estimate		Revised Estimate		Increase Decrease		Remarks
	Quantity	Unit	Quantity	Unit	Quantity	Unit	
Lower Story.							
Excavating foundation	12336	cu ft	11748	cu ft	588	cu ft	101 Not required.
Brickwork in chimney	12336	cu ft	11748	cu ft	588	cu ft	102 This was added to the wall having been raised one foot higher according to the revised plan.
Brickwork in chimney	6931	cu ft	6836	cu ft	95	cu ft	103 This was added to the relieving arches built over door and windows omitted in the original estimate.
Brickwork in chimney	22852	cu ft	22310	cu ft	542	cu ft	
Brickwork in chimney	1912	cu ft	1912	cu ft		cu ft	
Arch work brick in chimney	5804	cu ft	525	cu ft	5579	cu ft	
Brickwork in chimney	991	cu ft	991	cu ft		cu ft	
Brickwork in chimney	345	cu ft		cu ft	345	cu ft	
Coner or Corner Stones	225	cu ft		cu ft	225	cu ft	
Quinn Stones	390	cu ft		cu ft	390	cu ft	
do	96	cu ft		cu ft	96	cu ft	
do	52	cu ft		cu ft	52	cu ft	
Little stones	161	cu ft		cu ft	161	cu ft	
do	13	cu ft		cu ft	13	cu ft	
Stones for window sills							
do							
do							
do							
String Course	508	cu ft	508	cu ft		cu ft	
Stone Steps	584	cu ft	584	cu ft		cu ft	
Chasing with 2 coats of							
Chimney	24702	sq ft	26422	sq ft	1720	sq ft	
White washing	15223	sq ft	21022	sq ft	5799	sq ft	
Blue or Color washing	9422	sq ft	5342	sq ft	4080	sq ft	
Dressing Stones	6253	sq ft	6253	sq ft		sq ft	
Painting with lime putty	6253	sq ft	6253	sq ft		sq ft	
Carving with Stone Slabs	9152	sq ft	9152	sq ft		sq ft	
Carving with brick on edge							
Jelly and flat tiles	9320	sq ft	5989	sq ft	3331	sq ft	
Complete							
Flowing with Cement Concrete							
Wooden flooring 3" thick							
Brick work wrought and putty	16327	sq ft	1772	sq ft	14555	sq ft	
do	5527	sq ft	532	sq ft	5095	sq ft	
Chairs for stairs	36	sq ft	36	sq ft		sq ft	
do	24	sq ft	24	sq ft		sq ft	
Stone plates under the beams	24	sq ft	24	sq ft		sq ft	
do	38	sq ft	38	sq ft		sq ft	
Rooster nails 9" long	877	sq ft	877	sq ft		sq ft	
Filling in basement (for chub)	12335	sq ft	11748	sq ft	587	sq ft	
do	8487	sq ft	8487	sq ft		sq ft	
Wood siding 2 coats	10120	sq ft	10120	sq ft		sq ft	
Green painting	4947	sq ft	4947	sq ft		sq ft	
Thin spouts 4" diameter	374	sq ft	374	sq ft		sq ft	
Iron Staples for spouts							
Carried forward							

Carried forward

21537

2296310

Corporated Galvanized Iron

plates for ventilating the

94 " 8 " 8 47

2580643

654631

Not required

Down pannelled ventilation

and glazed with frames & This 8

Complete 5' x 10'

8 607-8

4838

do do 4' x 8'

11 38 11- do 426

10 38 11- do 386

1 392

Top Complete 6' x 10'

do 1 90 8- do 91

1 90 8- do 90 8

5

do do 5' x 12 1/2'

1 80 - do 80

1 80

Window shutters inside

glazed outside ventilation with frames complete 4' x 7 1/2'

do 23 64 - do 1472

23 64 - do 1472

do do 2' x 7 1/2'

2 32 - do 64

2 32 - do 64

Frame Ventilation with frames

Complete 1' x 3 1/4' - do 19

19 2 103 do 50

19 2 103 do 50

23

Marking boards

do 1 5 - do 5

3 5 - do 15

2 10

Inventory

do 1 12 - do 8

14 12 - do 10

3 2 8

Leveling the ground

do 198 1 - do 198

198 1 - do 198

146

Sundries

do 5 - do 124

28577 16

2463 50

Total for Lower Story 2550

5913 50

2463 50

Upper Story

Superstructure brick in

Chunam

do 16328

3 - Off 318

16328

do Stone in Chunam

do 1065

3 - do 293

1565

do Brick work

do 397

4 6 do 112

397

do Stone in

do 964

5 - do 301

796

Brickwork

do 441

33 Off 90

168

Lucas Stones well dressed

do 180

8 - do 90

180

do do 3 1/4 x 1 1/2

do 363

7 - do 18

363

Little Stones

do 148

10 - 8 93

148

Stones for Corners

do

160 1 8-8

240

do for arches

do

117 1 3- do 18 15

138 15

do for window sills

do

15 3 1- do 50 10

50 10

Cornice with brick in chunam

around around

Off 888

5 - Off 275

882

5 - Off 275

275 10

6 2 6

4477 6

430

485 156

Not required according to the revised plan

do do do

Leveling and graveling the ground around the building was not necessary required and carried out

For less of these, the stones in remark No. 24 have been used

See remark No. 23

Brought forward	4533	"	"	447	"	6	"	430	"	"	455	156
Plastering with 2 Coats of Chunam	Sq. 244.59	2 12	"	Sq. 673	"	244.59	2 12	"	Sq. 673	10	"	6
White washing	do 132.22	"	3	do 29	"	10.12	"	3 6	do 21	17	"	4 45
Green washing	do "	"	"	"	"	7.42	"	8	do 35	57	"	38 57
Blue or Colour washing	do 112.32	"	4 6	do 32	"	617.7	"	4 6	do 71	59	"	14 103
Dressing stones	Cft 5293	"	4	Sft 1323	"	5293	"	4	Sft 1323	4	"	4
Pointing with lime putty	Sq. 52.92	2 4	"	Sq. 119	"	52.92	2 4	"	Sq. 119	15	"	15
Roofing with teak wood rafter and nails flat and pan tiles	do 50.70	25	"	do 1250	"	50.70	25	"	do 12	51 12	"	4
Complete												
Terracing with brick on edge jelly 3" thick and 3 Courses flat tiles and 3 Coats of chunam and complete	do 58.61	33	"	do 1934	"	61.45	33	"	do 20	7 137	"	93 137
Chidge Ventilators complete	No 136	4 4	"	E 578	"	136	4 4	"	E 578	"	"	"
Chunam Complete	do 13	85	"	do 1105	"	13	85	"	do 1105	"	"	"
do for hips do	do 2	70	"	do 140	"	4	35	"	do 141	"	2	"
Teak wood wrought and put up	Cft 1239	3 10	"	Cft 4492	"	1239	3 10	"	Cft 4492	"	"	36 14
Chaffinails 10" long	do 164	"	10	E 3	"	"	"	"	"	"	64	3
do 7" do	do 738	"	7	do 27	"	802	"	7	E 29	10 64	2	3 0
do 8" do	do 562	"	8	do 23	"	562	"	8	do 23	8	"	68
Granite plates under the												
Brick & battlement	do 30	"	4 6	do 9	"	30	"	4 6	do 5	7	"	9
Wood siding with 2 Coats	Sq. 129.57	2 8	"	Sq. 324	"	129.57	2 8	"	Sq. 324	57	"	5
Green painting with 2 Coats	do 46.12	5 4	"	do 243	"	49.42	6	"	do 297	0 6	3.20	54 06
Iron sports	Cft 396	"	8 6	Cft 210	"	394	"	8	Cft 209	5	"	2
Iron staples for sports	No "	"	"	"	"	83	"	6	E 31	2	83	31 2
Wooden railings with Iron struts	Cft 272.2	1 4	"	do 341	"	"	"	"	"	"	"	272.2
do do	do 582	"	6	do 215	"	"	"	"	"	"	"	582
do do	do "	"	"	"	"	201.2	"	2 10	Cft 528	15	201.2	528 15
Door framed, unventilated and glazed with frames & complete	do 19	63	"	E 1197	"	19	63	"	E 1197	"	"	"
do do	do 7	40	"	do 280	"	10	40	"	do 4	"	3	120
Window shutters inside glazed outside unventilated with frames & complete	do 10	66	"	do 860	"	14	66	"	do 9	"	4	264
4' x 7 1/2'												
Carried forward												106 47

1825

Executed at the desire of the Officer Com-
manding the Division.

1826
The verandah walls have been white-
washed instead of blue wash.

1827
Found deficient in the estimate.

1828
Not required.

1829
Covers from the sport having been
put outside instead of inside of frame
of verandah.

1830
Instead of these rails those in the
following item were used.

1831

Required according to the revised plan.

1832

do do do do

Window Shutters inside

glazed outside mentioned
with frames + complete $2' \times \frac{1}{2}$

Saving mentalities _____ No.

Inventory boards — do

Sundries.

Total for Upper Story -

Total for Lower & Upper Stories-

✱

Sanctioned in G.O. No 2371

dated 24th July 1868.

Executive Engineers' Office
Bangalore 12th August 1870 }

Pick. Ports

W. J. F. V. }
Captain A. E. }
Sg. Superintendent Engineers' Bn }

(Signed) H. W. Wood Captain R.E.
Executive Engineer
Bangalore.

Bala requiring sanction 5140

No 33.

Required according to the revised plan.
No 33.

do do do

Fifth Division D. P. W.
Bangalore.

PT 4050/p
From 31 Oct 1900 Lt Col 2465.
Comparative Statement
showing the difference between
the original and Revised Esti-
mates for constructing Recrea-
tion Room for Cavalry on the
Race Course Barracks...
Bangalore.

Public Works Department
No 2597

Proceedings of the Madras Government

Dated the 31 Oct 1900

Recd the following

From The Asst Supg Engineer
5th Division

H.E. No 113 d/10th October 1890

With this letter the
Asst Engineer of the 5th Div
submits a revised esti-
mate of Rs 51,890 for
completing the Sergeants
Mess Library and Recre-
ation Rooms for Cavalry
on the Race Course
at Bangalore for the
construction of which
a sum of Rs 46,750 was
sanctioned in G.O. No.
2855 of the 7th Sept 1890.
The excess of Rs 51,890
it appears is partly due to

insufficient rates having
been allowed, but chiefly
to extra work which, though
not provided for in the
original estimate, is con-
sidered by the Supg.

Engineer to be necessary.

The buildings are
reported to be completed
payments only remaining
to be made.

Under the explana-
tions afforded His Ex-
cellency the Governor in
Council, and his
sanction to the revised
estimate. It is observed
that the expenditure up
to the end of the fiscal
year was Rs 42,200
and as Rs 1,850 have

been allotted in G. O. No.
1136 dated 29th April 1870.
the funds at the disposal
of the Supg Engineer are
sufficient.

W. S.

To,
The Asst Supg Engrs. S. D. S.
" Controller P. W. Accts.
" Military Department
Dy. S. 1/11/70.

C/2 4070

Govt. of (1870) Madras.

PUBLIC WORKS.

To *The Dy. Superintending Engr.*
5th (Durand)

Dated

Ex. 3

Recd.

31st Oct. 2597

Nos. 1165 & 1166

Military Buildings. The revised
estimate of Rs. 51,890 for com-
pleting certain Mil. Build-
ings on the date have been
at Bangalore, sanctioned
with remarks.