

(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.	3353	Press
B.P. No.		Mis.
Dated	23-11-195	

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
23rd November 1875.*

Read the following papers:—

No. 536. From Major H. M. VIBART, R.E., District Engineer, Bangalore, to Major-General G. W. WALKER, R.E., Chief Engineer, Public Works Department, dated Bangalore, 25th September 1875, No. 105.

I HAVE the honor to forward herewith, for sanction, a comparative statement, with the information required in Circular, No. 58, dated 5th June 1875, for constructing Apothecary's quarters for St. John's Hill Barracks at this station, from which it will be seen that the original estimate has been exceeded by Rupees 1,096.

2. The reasons for the excess are given in the comparative statement.

The amount of the general estimate is Rupees 4,400, sanctioned by G.O., No. 3,093, dated 23rd September 1869.

The amount expended up to the end of the previous year or to the end of the last year in which expenditure was incurred was ... Rs. 3,001 7 0

The allotment of the current year is „ 1,400 0 0

The expenditure of the current year up to date is „ 2,494 9 0

No. 536-A. From the same officer, dated Bangalore, 25th September 1875, No. 106.

I HAVE the honor to forward herewith, for sanction, a comparative statement, with the information required in Circular, No. 58, dated 5th June 1875, for constructing quarters for two Commissariat Staff Serjeants at this station, from which it will be seen that the original estimate has been exceeded by Rupees 541 2 5.

2. The reasons for the excess are given in the comparative statement.

The amount of the general estimate is Rupees 8,400, sanctioned by G.O., No. 1,662, dated 19th June 1874.

The amount expended up to the end of previous year or to the end of the last year in which expenditure was incurred was ... Rs. 8,104 5 7

The allotment of the current year is „

The expenditure of the current year up to date is „ 836 12 10

No. 537. ORDER THEREON, 23rd November 1875, No. 3,355.

MILITARY WORKS, No. 17.

WITH his letters above recorded the District Engineer, Bangalore, submits revised estimates for two Military buildings at that station, viz., quarters for an Apothecary at St. John's Hill Barracks and quarters for two Commissariat Staff Serjeants at the old Infantry Barracks.

2. The original estimate for the former amounted to Rupees 4,400, and was sanctioned in G.O., No. 3,093, of the 22nd September 1869. The estimate now forwarded is for Rupees 5,496, exhibiting an excess of Rupees 1,096. As regards the Staff Serjeants' quarters, the first estimate amounted to Rupees 7,000, and was sanctioned in G.O., No. 3,460, dated the 27th October 1869. The site was subsequently altered and a revised estimate was forwarded amounting to Rupees 8,400, and sanctioned in G.O., No. 1,662, dated 19th June 1874. The present estimate is Rupees 8,941, showing an excess of Rupees 541.

Proceedings of the Madras Government, Public Works Department,
23rd November 1875.

3. In both buildings the main portion of the additional expenditure has been caused by the higher rates paid for brickwork. As compared with the rates entered in 1869 for the Apothecary's quarters, the increase is about 45 per cent.; and since January 1874, when the sanctioned estimate for the Staff Sergeants' quarters was brought forward, the increase in rate has been 27 per cent. If the new rates are to be applied to all buildings of this class in process of construction, other excesses are apparently foreshadowed. The District Engineer will at once report the works on which they may be anticipated. In the cases now under notice, the submission of the revised estimates has been most unnecessarily delayed, since the District Engineer must have been aware long ago that the sanctioned estimates would be exceeded. Revised estimates should be submitted for all buildings as soon as it becomes manifest that they are necessary.

4. The present estimates are sanctioned, and the amount required, Rupees 1,931, will be provided from the sums held at the disposal of Government under G.O., No. 2,925,* dated 13th October, and G.O., No. 3,347,† dated 23rd November 1875.

* From item No. 36 ... 1,700
† From grant for Minor New Works, Trincomopoly district ... 231

Total ... 1,931

(True Extract.)

Major-General, R.E.,
Secretary to Government

To the District Engineer, Bangalore.
" Controller of Public Works Account.
" Military Department.

Exd. E. C. Shanker.
Spare Copies

No. 105

DISTRICT ENGINEER'S OFFICE.

Bangalore 25th Sept 1875.

From

The District Engineer,

Bangalore.

To

The Chief Engineer

Public Works Department.

Madras

SIR,

I have the honor to forward herewith for sanction a Comparative statement with the information required in Circular No. 58 d/5th June 1875 for Constructing Apothecary Quarters for Saint John's Hill Barracks at this station from which it will be seen that the original Estimate has been exceeded by Rs 1096. --

The reasons for the excess are given in the Comparative statement.

The amount of the General Estimate of Rs 4,400. sanctioned by G.O. No. 3093 d/23rd September 1869.

The amount expended up to the end of the previous year or to the end of the last year in which expenditure was incurred was Rs 3,304. --

The allotment of the current year is Rs 1400. --

The expenditure of the current year up to date is Rs 2,295. 4. 9. --

I have the

I have the honor to be
 Sir
 Your Most obedient Servant
 Hedyth Robert Major D.E.
 District Engineer

Cash amount of Rs 45-10-00
 Rs 22-10-00 / Rs 10-00-00 = 50-00-00

Dec 17-1895
 Receipt No. 10-10-95

Dr. M. H. D. E.
 Major D.E.
 District Engineer Bangalore.

Dec. 1895
 From Mr. G. I. D.
 The District Engineer
 Bangalore

of the Bangalore
 Public Works
 Dept.

Dated 25th Dec 27
 1895

Rs 105
 Rupee one

Forwarded for
 sanction as per
 order of the
 for the purpose of
 the public works
 at Bangalore.

Rs 105-00-00
 23-11-95

Comparative Statement showing the difference between the sanctioned Estimate and the work actually executed.

Description of work.	As estimated				As actually executed				Remarks.
	Per	Quantity	Rate	Amount	Per	Quantity	Rate	Amount	
				7520				7815 17 845 0 4549 14 9	
Privy seats complete (2 x 2). ————— E	2	38	8	304	2	488	9 14	4441 12	
Iron Chimneys complete. —————	2	20	40	800	2	27 12 9	65 13 6	1805 15 6	Under estimated, iron dearer than when estimate was made.
Stone slabs on the top of dwarf wall on both sides of gateway. ————— Rpt.	3 1/2	0 40	9	360	3 1/2	0 31 1/2	9 14	311 14 0	
Stones (2 1/2 x 2 1/2 x 6) at the bottom of gate pillars. ————— E	2	18	3	54	2	13 7	2 7 6	291 6 0	
Caps to Gate pillars. —————	2	1	0	2	2	14 10	1 13 8	16 13 8	
Stone for wheel track (3/4 x 3/4). ————— Rpt.	16	1	0	16	16	15 8 1/2	15 11 4	244 8 0	
Centre guard stone in front of the gateway. ————— E	1	1	0	1	1	1	0	1	
Side guard stones for gates with hooks &c. —————	2	1	0	2	2	2	0	2	
Wrought iron train for gates (3 x 1/2). ————— lbs.	80	0 40	20	3200					
Pair of cast iron gate (10 1/2 x 6) with wheels &c. and fixing complete. ————— Pair	1	200	0	200				1023 15 6 692 15 6	Unexpected charges for iron gates and Railing sent for to England prices not agreeing with those noted in catalogue received, also includes charge for leading, fixing and coping of wall under railing.
Railings on both sides of gateway. ————— Rpt.	3 1/2	3	0	111					
Lintel stone over doorway. ————— E	1	0 12	1	12					
Repairing and fixing door. —————	1	3	0	3	1	1 10	1 10	1 6	Sanction for payment of the bill for iron work &c. was accorded in Memo from Chief Engineer No. 30 dated 18th March 1876.
Building gable end temporarily. —————				90				89 15 6	
Marking Boards. —————						2 5	4 10	4 10	Not in Original estimate.
Sundries. —————				374				352 14 7	
				8100				9385 3 10 1689 10 0 574 6 2	

Deduct Actual recoveries

444 1 5

Expenditure

8941 2 5

Deduct amount estimate already sanctioned

8100 0 0

Amount remaining

841 2 5

Comparative Statement showing the difference between the sanctioned Estimate and the work actually executed in constructing Quarters for two Commensariat Staff Sergeants.

Description of work	Per	As estimated			Actually executed			Remarks.
		Quantity	Rate	Amount	Quantity	Rate	Amount	
Dismantling.				215			195 14 7/8	
Excavation.	Cft	4807	1	26	4807	1	25 7	
Foundation stone in chunam.		4807	26	751	4807	26	751 16	
Basement stone in chunam.		2588	26	405	2588	26	404 6	
Superstructure ^{brick} stone in chunam.		9873	29	1697	9873	37 1/2	2169 11 0 4/2 11 10	Specially made bricks of a much superior quality and costing nearly double the usual rate, were used.
Archwork brick in chunam.		600	4	150	600	4 1/2	157 13	
Cornice work.	Pft	606	12	460	606	12 1/2	457 1/2	
Plastering with two coats of chunam.	Sqrs	182 07	28	455	102 27	28	255 10 9	Only the inside of the building was plastered the bricks being tuck muddled.
Painting with chunam, outside.	Sqrs				79 80	18 1/2	124 6 7 12 6 7	the outside of the building was painted.
								Causing a saving under the head of "plastering".
Whitewashing two coats.		102 27	3	19	102 27	28 1/2	17 8 2	
Blue washing two coats.		77 34	4	20			20	Red brick color substituted for blue.
Color washing outside.					77 80	5 10	29 5 29 5	Swashing, the work being unplastered.
Teakwood wrought and put up.	Cft	268 ¹³³ / ₅₇₆	38	938	268 ¹³³ / ₅₇₆	35	888 98	
Nails 7" long.	E	50	7	2	50	7	1 13 2	
Stone plates under beams.		4	4	2	4	4	1	
Stone Slabs for steps.	Pft	198	3	38	72	3	13 7	Steps not required the whole length of the building a saving was effected.
Vernacing with brick on edge 3 1/2" thick & courses of flat tiles and 2 coats of plastering.	Sqrs	26 36 27 8			6 36 27 6 7			

Co. Chunam by 55 95 1/2 pps.
 45 22 1/2 pps by 50 22 - 50 4.

175 1875 20 pps.
 67 pps by 61 9 2
 1/2 pps by 61 9 2
 1/2 pps by 61 9 2

A window being substituted for a door at the request of the Commensariat Staff Sergeant. The porch over the intended door.

27/6/95

25th September 1895
Daugavpils
11/11

Robert Engineer Daugavpils
Robert Engineer Daugavpils

Not stated.

12/2/75

25 1/4 September 1875 }
Robert Engineering Office
Bangalore

DOCUMENTS IN FILE.

From District Engineer— *Bangalore*

1 Covering letter No. 106, dated 25-Sept/75.

1 Letter from Range Officer, No. , date .

Comparative Statement.
1 Detailed Estimate.

1 Abstract do.

1 Plan.

1 Specification Report.

From Office—
Cir No. 50 of 6-6-75.Original sanction, No. ~~4~~ , date
for detailed estimate preparation.San. 345 of 27-2-1895
1662 of 19-1-74

Orders and Proceedings.	No.	Date.	Under P. W. D. G. O.
P. W. Department	...	...	No. Date.
Public do.	...	...	...
Revenue do.	...	...	...
Financial do.	...	...	...
Military do.	...	...	...

DOCUMENTS IN FILE.

From District Engineer— *Bangalore*

1 Covering letter No. 105, dated 25-Sept/75.

1 Letter from Range Officer, No. , date .

Comparative Statement.
1 Detailed Estimate.

1 Abstract do.

1 Plan.

1 Specification Report.

From Office—
Cir No. 50 of 5-June/75.Original sanction, No. , date
for detailed estimate preparation.

Orders and Proceedings.	No.	Date.	Under P. W. D. G. O.
P. W. Department	...	...	No. Date.
Public do.	...	...	...
Revenue do.	...	...	...
Financial do.	...	...	...
Military do.	...	...	...

In plastering 14 percent.

It is remarked by the ~~DO~~
that superior materials
& especially superior bricks
are used. ~~But~~ but it
is obvious that the general
assumption of these rates
implies a very large addition
to the outlay on Pub. works
in the District in order to
produce the practical results
obtained in former years
In all such cases should
be very carefully examined
& controlled.

3. The unexpended balance
of the revenue Est. amounting
to Rs. 1095- will be provided
from the balance at the
disposal of Govt. ~~unexpended~~
Rs. 2925 of 13-1-75.

Adm.
[Signature]

No. II.—PARTICULARS FROM
ESTIMATES.

Main Budget Head to which chargeable

Imperial

Title and purpose of the work as given by
District Engineer.

*Apothecary for St. John's
Hall Barracks at Bangalore.*

Original sanction for the preparation of the
detailed estimate.

(Date and number in both sanctioning and Public Works
Department.)

By Bus. 3093 of 22nd Sept. 1899.

Amount of original detailed estimate.

Rs 4400

Number and date of sanction and endorse-
ment in Public Works Department.

By Bus. 3093 of 22nd Sept. 1899

Amount of revised estimate

Rs 5496

Do. of original do.

4400

Excess over do. do.

1096

Budget Head to which the work is charge-
able, in detail.

Military

Amount of current year's allotment

Rs 1400

Do. expended in previous years

3001-7

Total

4401-7

Balance to be provided

1094-9

Funds can be made available during the
current year.

(Yes or no, and state how in former case.)

*Yes - Rs 1700 withdrawn from St. John's Hall at the
disposal of Govt. 100/15-10-75 & 2025.*

Brought forward as urgent.

(Yes or no, and if so state by who.)

Not stated.

*The estimate is sanctioned
but the District Engineer
is to be blamed for the
great delay in its submission
as it must have been
obvious many months
ago that excess outlay
would be incurred.*

*It is noted that the additional
delay has been caused
chiefly by the higher
rates paid for brick
& stone work compared
with those current
when the estimate was
prepared i.e. 1896-9.*

*The increase for stone
in 1896-9 is 20 per cent for
brick in 1896-9 45 per cent
for arch work 20 per cent*

Public Works Department.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Under date the

Read the following:—

From

*The District Engineer
Bangalore*

(S. E. No. 100 of 25 Sept 1899)

*The estimate is sanc-
tioned, but the Dis-
trict Engineer is to be
blamed for the great
delay in its submission
as it must have been
obvious many months
ago that excess outlay
would be incurred.*

*It is noted that
the additional outlay
has been caused chiefly
by the higher rates paid
now for brick and stone
work*

work compared with
those current when the
estimate was framed
i.e. in 1867.

The increase for stone
in mortar is 20 per
cent for brick in mortar
50 per cent for arch
work 20 per cent for
plastering 14 per cent.

It is remarked by the
District Engineer that
superior materials and
especially superior
bricks are used but
it is obvious that
the general admission
of these rates implies
a very large addition

to the salary on Public
Works in the District
in order to produce
the practical results
obtained in former years
and all such increases
should be very care-
fully examined and
controlled.

3. The unexpended
balance of the revised
estimate amounting
to Rs 1095 will be
provided from the
balance held at the
disposal of Govern-
ment under G.O. 2955
of 13th October 1875.

Ames

Public Works Department

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the 23rd Nov/40

Read the following :-

August

No St Eng Brazilians Mr Co No 105 7/25 1866
" do " " 106 " " 26

With his letter
I have recorded the Dis.
trict Engineer Bangalore
submitted revised estimate
for two military buildings
at that Station viz
Quarters for an Apothe-
cary at St. John's Hill
Barracks and Quarters
for two Commissariat
Staff Sergeants at the
old Infantry Barracks.



3. The original estimate for the former amounted to Rs 4,400 and was sanctioned in G.O. No 3093 of the 22nd September 1867. The estimate now forwarded is for Rs 5,476, exhibiting an excess of Rs 1076.

As regards the Staff Sergeants' Quarters, the first estimate amounted to Rs 4,000 and was sanctioned in G.O. No 3460 dated the 27th October 1867. The site was subsequently altered and a revised estimate was forwarded amounting to Rs 3,400 and sanctioned in G.O. No 1662 dated 17th June 1874. The present estimate is

Rs 2,741 showing an excess of Rs 541.

3. In both buildings the main portion of the additional expenditure has been caused by the higher rates paid for brickwork. As compared with the rates fixed in 1867 for the Apothecaries' Quarters the increase is about 45 per cent; and since January 1874, when the sanctioned estimate for the Staff Sergeants' Quarters was brought forward, the increase in rate has been 27 per cent. If the new rates are also applied to all

Buildings of this class
in process of construction.

Other excesses are appar-

ently foreshadowed. The D.I. will at once

report the works on which they may be
anticipate -

of the revised estimates

has been most unneces-

sarily delayed since

the District Engineer

must have been aware

long ago that the sanc-

tioned estimates would

be exceeded. Revised

estimates should be

submitted for all

buildings as soon as

it becomes manifest

that they are necessary.

The present estimates

are

Form No. 36 - Rs 1700

Grant for Rs. 24231

including Rs. 1931

St. Sup. Bangalore

Control of B.M.

Only Rs 15

Propd - 1-12-75