

(1) Number of pages.....

(2) Date of repair.....

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MADRAS RECORD OFFICE.

Government of Madras.

Public Works DEPARTMENT.

G.O. No. 650	Press ~~Mis.~~
192-93	
Dated 9. 3	1872.

Not to be folded or roughly handled

1

*Proceedings of the Madras Government, Public Works Department,
9th March 1872.*

No. 192. Read the following letter from the Superintending Engineer, 3rd Division, to the Secretary to Government, Public Works Department, dated Bellary, 19th February 1872, No. 2,162:—

I HAVE the honour to forward, for the approval and sanction of Government, the enclosed comparative statement for the new Garrison Main Guard at Bellary.

2. Against each of the items under "increase" and "decrease" is entered a brief explanation of necessity for such increase or decrease, but as some further explanation may be expected on account of two or more of the items, I beg to state with reference to the—

1st.—*Superstructure stone-in-chunam.* Excess Rupees 2,099. In paragraph 2 of Mr. Fraser's letter No. 448, dated 4th December 1871, (*vide* extract attached,) the error is explained. I have seen the entry in the detailed estimate, and although the Estimator of this Office made the correction by striking out the decimal point, it escaped observation of the Assistant Estimator in this Office and the person who re-copied the estimate in the Range Office. The peculiar nature of the error is such as not likely to occur again.

2nd.—*Circular arch-work.* *Vide* paragraph 4 of Mr. Fraser's letter No. 541, dated 13th January 1872. This plan causes a large saving under wood-work, *vide* Items 17 to 21.

3. Considering there was but a short time of the official year left to complete the building, and the poor prospects of obtaining funds from under Reserve in 1872-73 if the building was not completed by the 31st March, I was obliged to authorize the change in the style of roofing, not quite for the reasons stated by Mr. Fraser, but that I am of opinion that Bengal roofing is not suited for great widths such as that contemplated for the Main Guard when the building was originally designed.

4. The estimate for Rupees 24,200 was sanctioned by Government in G. O., No. 2,593, dated 7th August 1869, under the explanation afforded in my letter printed with above G. O., regarding certain alterations in the design when the work was under construction, with an expenditure of upwards of 8,000 Rupees having already been incurred in 1868-69 and 1869-70.

5. The difference excess, by substituting a flat terrace for Bengal roof, is Rupees 1,060, which makes the estimate amount to Rupees 25,260. I therefore trust that the excess be sanctioned, and my proceedings in having (under the pressing circumstances explained in paragraph 3 above) allowed the deviation may also be approved of.

6. I attach to the statement extract from, and copy of, the marginally quoted letters from Mr. Fraser, C. E., the Executive Engineer, and beg to observe that these papers should have been submitted at least two months ago had they been received from the Range Officer.

*Proceedings of the Madras Government, Public Works Department,
9th March 1872.*

No. 193.

ORDER THEREON, 9th March 1872, No. 650.

MILITARY WORKS, No. 5.

In Proceedings, dated 7th August 1869, No. 2,593, the Government sanctioned an estimate, amounting to Rupees 24,200, for the construction of a Main Guard with out-offices for European Troops at Bellary. From the papers above recorded it appears that, owing to a miscalculation, the dimensions in the item of "superstructure" were given at 1,035 cubic feet instead of 10,440 cubic feet, making the cost Rupees 1,957 instead of Rupees 194, and causing an excess of Rupees 1,763. The amount of the sanctioned estimate would, therefore, have been Rupees 25,963. A modified estimate is now submitted amounting to Rupees 25,260, and providing for the substitution of a flat pukka terrace for the Bengal terraced roof, and of stone for brick cornices.

2. Under the explanations afforded the amended estimate of Rupees 25,260 is sanctioned.

(True Extract.)

Colonel, R.E.,
Secretary to Government.

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

Exd. E. C. Shunket.

No. 2102

Superintending Engineer's Office.

3rd Division.

Bellary 19th February 1872

From,

The Superintending Engineer

3rd Division.

To,

The Secretary to Government

Enclosures. 4

Public Works Department

Fort Saint George

Sir,

I have the honor to forward for the approval and sanction of Government the enclosed Comparative Statement for the New Garrison Main Guard at Bellary.

2. Against each of the items under "increase" and "decrease" is entered a brief explanation of necessity for such increase or decrease. As some further explanation may be expected on account of two or more of the items, I beg to state with reference to the—

1st. Superstructure stone in Chumam species Rupees 2099— In para 2 of Mr. Fraser's letter No. 448 dated 4th December 1871 (Vide Extract attached) the error is explained. I have since

the entry in the detailed Estimate and although the Estimator of this Office made the correction by striking out the decimal point, it escaped observation of the Assistant Estimator in the Office and the person who re-copied the Estimate in the Range Office. The peculiar nature of the error such as not likely to occur again.

II. Circular Arch work vide para⁴ of Mr. Fraser's letter No. 541 dated 13th January 1872. This plan causes a large saving under road-work - vide items 17 to 21.

3. Considering there was but a short time of the fiscal year left to complete the building and the poor prospects of obtaining funds from under Revenue in 1872-73 if the building was not completed by the 31st March, I was obliged to authorize the change in the style of roofing not quite for the reasons stated by Mr. Fraser but that I am of opinion, that Bengal roofing is not suited for great widths such as that contemplated for the Main Guard when the building was originally designed.

4. The Estimate for Rs 24,200/- was sanctioned by Government in G.O. No. 2593 dated 7th Aug 71 under the explanation afforded in my letter

presented with above G.O. regarding certain alterations in the design when the work was under construction with an expenditure of upwards of 8000/- having already been incurred in 1868/69 and 1869/70.

5. The difference except by substituting a flat terrace for Bengal roof is Rs 1000. which makes the Estimate amount to Rs 25,200. I therefore, trust that the excess be sanctioned and my proceedings in having (under the pressing circumstances explained in paragraph 3 above) followed the deviation may also be approved.

I attach to the statement Extracts from, and copy of the marginally quoted letter No. 541 from letter No. 542 of 16th Decr/71 from Mr. Fraser Esq. the Executive Engineer, and dated 13th January 1872. I beg to observe that these papers should have been submitted at least two months ago had they been received from the Range Officer.

I have seen
W. H. B. Esq. Dy. Engr. 3rd Dec.

Received 18
From, *Edgemoor, N.Y.*
No. 905

To,
The Superintending Engineer
3rd Division.
The Secretary to Government.
Public Works Department.
Fort Saint George.

Dated *19* }
Received *22* } *February* 1872

No. 2102

3-5-4-9
Plan

*I have made the plan
for the construction of the
new fort at the new harbor
and the plan is as follows
and the plan is as follows
and the plan is as follows
and the plan is as follows*

Ch: 150-9
Ch: 150-9

Ch: 150-9
Ch: 150-9

Comparative statement showing the sanctioned estimate and the estimate as revised requiring sanction for the New European
Main Building at Bellary

At the time		Estimate as sanctioned by Government						Estimate as revised				Remarks
Serial	Description of work	Est.	Rs.	P.	Asa.	Est.	Rs.	P.	Asa.	Increase	Decrease	
1	2	3	4	5	6	7	8	9	10	11	12	13
<u>Main Building</u>												
1	207 3/4 Cft Excavation in foundation trenches	4	Cft 127	4	557.4	4	Cft 139	5	7	12	12	Increase caused by foundation trenches for pillars for arches
2	772 3/4 Cft Foundation and basement stone in Chumam	2	6	Cft 2886	5	10	2827	6	6	135	8	Increase occasioned by the proposed arches instead of trusses
3	6502 Cft Superstructure Do	3	Cft 1384	12	17844	3	Cft 3345	12	2061			This increase is occasioned as follows— Proposed arches ————— Rs. 442 P. 4 Error in former estimate ————— 1763 Deduct value of cables not required in new Plan ————— 2206 Total increase 2061 Good bricks cannot be got. so stone has been substituted in all cases
4	Circular archwork Do				3112 1/2	5	Cft 994	8	6	994	8	6
5	377 3/8 Cft Do Brick in Chumam	5	Cft 900	6	4					930	6	4
6	Circular archwork stone in Chumam				252	7	Cft 110	4	110	4		The whole cost of circular archwork exceeds that in the original estimate by Rs. 174 P. 8-2, because of the proposed arches instead of roof trusses
Carried over			5028	12	7		7411	4	7	3313	14	4

No. 19044/1000. 2nd March 1904
 C.S. 652-9 March 1904

Estimate as sanctioned by Government							Estimate as submitted							Remarks	
No. of items	Quantity	Description of work	Rate	Per	Amount	Quantity	Rate	Per	Amount	Quantity	Rate	Per	Amount		
1	2	3	4	5	6	7	8	9	10	11	12	13	14		
Brought forward 32827															
7	13990	Sft. Pointing	2 8	1/2	349 10	27399	2 8	1/2	349 10	27399	2 8	1/2	349 10	27399	The increase arises from the substitution of pointing for plastering. but on the comparison of the whole there will be a decrease
8	3608	Puckah Terrace to Verandah and Main building	25		902	152	25		1843	741				Increase caused by making the Main roof a Puckah flat terraced roof	
9		Pl. of Slabs to Verandah base				375			282	282				For extra work on the old Estimate	
10		Pl. Main building				357			178 8	178 8				do	
11		Double Cornice Slabs to Verandah				377			235 10	235 10				Now proposed instead of brick & Chimanu Cornice	
12		Slabs to Verandah Coping				375			117 3	117 3				Instead of Chimanu Coping	
13		Double Cornice Slabs to Main building				285			178 2	178 2				Now proposed instead of brick & Chimanu Cornice	
Carried over					6280				10700	2	3380	11	930	64	

14-22-77

Estimate as sanctioned by Government						Estimate as required						Remarks
Item	Quantity	Description of work	Rate	Per	Amount	Quantity	Rate	Per	Amount			
1	2	3	4	5	6	7	8	9	10	11	12	13
		Brought forward	6,281	87								
14		Right Slabs to Main building			283		15	15				Revised by new design
		Coping										
15		Bottom Slabs, pillar heads			29		12	12				Revised by new design
16		top			42		15	15				do
17	28.8	Cft Teak wood wrought in the roof			4		29 1/4	108	60 1/2			Decrease because rafters only between the arches will be required
18	28.8	Cft putting up			8		36 1/4					This item is not required - I am uncertain why it was entered in the estimate
19	10458	Cft Teak wood upon roof			7		38 1/4	4	6			Not required for new design
20	402	One boards			13		36	1	6			do
Carried Over					9976 4 1/4	13597 1 1/2					2476 14 1/4	1876 12 1/4

No. of items	Quantity	Description of work	Rate	Per	Amount	Quantity	Rate	Per	Amount	Increase	Decrease	Remarks	
	1	2	3	4	5	6	7	8	9	10	11	12	13
													15

Feb 17 1881

In the item "Superstructure to front and rear walls of main building" the dimensions are given as $2 \times 11.6' \times 2.0' \times 22\frac{1}{2}' = 1035$ cubic feet - at 3 Cennas = 196-1-0 whereas, the length of the walls is 116 feet, making the true quantity = $2 \times 116 \times 2' \times 22\frac{1}{2}' = 10,480$ at 3 Cennas = Rs. 1957-8-0 or 1763-7-0 more than the amount provided in the Estimate.

The mistake was not noticed until we came
to pay for the Superstructure.

[illegible]

Meeting Spelt
Supag. Engineer 3200
3200.

Supp. Reg. Bui 3rd }
Bellevue 19th Febry 1872 }

Copy of a Letter No 521 dated 13th January 1872 from
the Executive Engineer in Charge Bellary Range to the
Superintending Engineer 3 Division:—

In reply to your Pocket B. 1734
dated 9th December 1871, I have the honor
to forward for your information a Comparative
Statement of Estimates for the new Main
Guard and a Plan showing the alterations I
propose - On the plan the alterations are done in
red.

2. In my letter to 548 dated 1st December 1871, I explained that an error of Papers 1768-70 had been discovered in the original estimate, in the item of "Superintendence."

The revised estimate now forwarded shows an increase of 1457 Rupees; but there will be an actual decrease by the plan proposed of the difference between Rupees 1763-7- and Rupees 306-7- "

3. The alterations proposed are:-

I To substitute a flat Pucka terrace for the pitched Bengal terrace roof.

II The substitution of stone cornices for brick.

The Bengal terrace roofs have not succeeded here: They are cracked all through and require constant repairing:— Tiles of a good quality cannot be got: where they have been used, they have mouldered away:— I have therefore proposed a flat

P. H. 906/72.
 Thompson identified the dr. H. 922.

Wm. H. Wood
H. Wood
J. Wood
L. Wood

Dear Sir,
I have the honor to acknowledge the receipt of your letter of the 10th inst. in relation to the above named matter. I am sorry to hear that you are not satisfied with the result of the investigation. I am, however, unable to do more than I have done. I am, Sir, very respectfully,
Yours, Sir, very truly,
J. W. Johnson

Washfield, Kansas 1st 2pm
to St. Louis 4:30 p.m. Dec 11
from the office in charge
Beltway Range. Regarding
our error in original
estimate for New Gypsum
mine found at Beltway

23

ing

2, No

In Idem

6

1200

of

1770
rain

3. August

18650. P. H. Departt
Proceedings of the Madras Government

Read the following

From
The Deputy Engineer }
3rd Division } (H. C. 12/162 of 17th July 1869)

In Proceedings
dated 7th August 1869, No
2593, the Government sanc-
tioned an estimate -
amounting to Rs. 24,200
for the construction of
a Main Guard with
Out Offices for European
Troops at Bellary. From
the papers above recorded
it

Id.

18/7/72

From

The Deputy Engineer

3rd Division

Madras Govt

Per Mr. J. J. J.

and Mr. J. J. J.

P. H. 906/72.

From Mr. J. J. J.

Madras Govt

Per Mr. J. J. J.

and Mr. J. J. J.

Madras Govt

Per Mr. J. J. J.

it appears that, owing to a
mis calculation, the dimensions
in the item of Super-
structure were given at
1035 C feet instead of
10440 C feet, making the
cost Rupees 1957 instead of
Rupees 194, and causing
an excess of Rupees 1763.
The amount of the sanc-
tioned estimate would
therefore have been Rs 25963.
A modified Estimate
is now submitted —
amounting to Rs 25,260,
and providing for the sub-
stitution of a flat pucca
terrace for the 1 Bengal ter-
raced roof, and of stone,
for brick Cornices.

Under

Under the expla-
nations afforded the
amended estimate of
Rupees 25,260 is sanc-
tioned.

26/8/72

46
4
To The Supy Engr 3^d Div
S. Controller. P. H. A. I.
15. Mily. Dept - I

Recd 11/3/72

Chgo
Govt. of 1872. Adams
PUBLIC WORKS.
The Lithographic Co.
No. 1. (London)

9th. 650.

Nov 1928/190

Have paid with the office for
European Maps at Bellary.

Amended Estimate of
Rs 55.26 for the em-
ployment of a man in
work at Bellary,
Sanctioned.