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MADRAS RECORD OFFICE

Government of Madras

Public Works DEPARTMENT

G.O. No.	2001	Press
B.P. No.		Mis.
Dated	24-7	195
		874

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
24th July 1874.*

No. 512. Read the following letter from Major H. R. MEAD, R.E., District Engineer, Tanjore, to Colonel G. W. WALKER, R.E., Secretary to Government, Public Works Department, dated Tanjore, 23rd June 1874, No. 373:—

I HAVE the honor to forward, as directed in G. O., No. 864, dated 27th March 1874, a revised estimate for Combaconum College, amounting to Rupees 58,000, being Rupees 5,900 in excess of the sanctioned estimate. I send a com-

parative statement showing the original and revised abstract estimates with remarks, showing the reasons of the excesses. I also forward a statement marked A., showing the extra amounts required for each separate portion of the new building divided under separate heads.

2. In letter No. 352, dated 4th March, the Inspecting Engineer for Buildings brought to the notice of Government that the walls of the four octagon rooms should be taken down, and also that portions of the basement of the west class-rooms would have to be removed, as they were partly brick in mud; the cost of this has been about Rupees 1,500.

3. As the work of demolition went on it was found that other portions of the work required also removal, and also, owing to the rapid fall of the ground, that the estimate did not allow sufficient depth of foundations, therefore 1 foot extra was put down.

4. The retaining wall is estimated at only 4 feet in depth (it has not yet been built), but it is found that a depth of 7 feet is required, (I forward sections showing this,) and this adds Rupees 786 to the estimate; there are also several omissions in the estimate.

5. The main cause of excess is the extra masonry, which amounts to Rupees 3,476; of this, however, Rupees 1,500 is due, as explained, to the re-building of the octagon walls and portions of basement of west class-rooms, and Rupees 786 to the retaining walls, leaving about Rupees 1,180 due to omissions in the estimate, the 1 foot extra foundations and the increased footings, and also to the old work being found to require much more work than was thought necessary: for example, the six pillars in the octagon rooms, the basement of which was supposed to be good, were found to have little or no foundation, and new foundations had to be put down.

6. The excess in teakwood is chiefly due to the omission in the estimate of pieces required over the caps of the verandah pillars, Mr. Chisholm having just written to me that they should be put on; they are not allowed for in the original estimate.

7. The excess on cut-stone* is in consequence of the steps being required for a depth of 7 feet, instead of 4, as estimated for, and to the rate for steps being increased from Rupee 1 to Rupees $1\frac{1}{4}$, in consequence of the difficulty and

* Rupees 290.

*Proceedings of the Madras Government, Public Works Department,
24th July 1874.*

great cost of obtaining stone 15 inches in width; it has to come from Caroor, and is carried 97 miles by rail and 16 by road.

8. Under sundries is included small extra amounts for plastering, etc., it is only Rupees 211, I have added Rupees 300 for scaffolding, for which no allowance was made, and also Rupees 375 for pipes to carry the water from the roofs; in a building of the style of Combaconum College, drain pipes certainly should be provided. The sum of Rupees 230 is for contingencies, and the excess of Rs. 415 on account of sheds was reported by the Inspecting Engineer for Buildings in his letter No. 352.

9. I would remark that the rates are liberal, and I have every reason to hope that there may be a saving on the estimate now submitted; but as the work is an important one, and as probably the cost of the ornamentation will be heavy, I do not feel justified in reducing the estimated rates.

10. I regret that I have not been able to send in this estimate before, but until the foundations were dug and the old work opened out, it was impossible to say what was necessary; and again, references had to be made to Mr. Chisholm regarding what was intended.

No. 543.

ORDER THEREON, 24th July 1874, No. 2,001.

CIVIL WORKS, No. 43.

WITH this letter the District Engineer, Tanjore, in accordance with G. O., No. 864, of the 27th March last, forwards a revised estimate for the reconstruction of Combaconum College on the foundations of the old buildings. The original estimate, sanctioned in G. O., No. 2,070, of the 19th August 1873, amounted to Rupees 52,100, the one under notice to Rupees 58,000, showing therefore an increase of Rupees 5,900.

2. The various causes which have led to this increased estimate of cost are clearly shown in the comparative statement which accompanies the District Engineer's letter, in which also they are consecutively noticed.

3. It has been considered advisable to take down the walls of the four octagon rooms, which were originally intended to be incorporated with the new structure, as they show signs of unequal settlement in the shape of cracks. Portions of the old basement also, which were to have been retained have been found on further examination to consist of very inferior materials, which must necessarily be replaced. The depth of foundations allowed for in the original estimate has been found insufficient, and the retaining wall to the earthen platform round the basement must, owing to the fall of the ground, be 7 instead of 4 feet in height.

4. The main item of excess is for extra masonry, which costs Rupees 3,476. Of this Rupees 1,500 is due to the rebuilding of the walls of the octagon rooms and portions of the basement, and Rupees 786 to the increased height of the retaining wall, the necessity for which has been already explained. The remainder defrays the cost of the extra depth of foundations and repairs to the old work only discovered to be necessary when it was uncovered.

*Proceedings of the Madras Government, Public Works Department,
24th July 1874.*

5. There is an excess, it is observed, on teakwood and cut stone, sundries, and scaffolding, which is satisfactorily explained.

6. The estimate as submitted is sanctioned.

(True Extract.)

Colonel, R.E.,
Secretary to Government.

To the District Engineer, Tanjore.

.. Educational Department.

.. Officiating Controller of Public Works Accounts.

Exd. S. T. Austin.

Spare Copies

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7	281	Handwritten Persian text
221	132	Handwritten Persian text
21	72	Handwritten Persian text
8	221	Handwritten Persian text
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Statement showing Causes of Excess in the revised Estimate Combaconum College.

Particulars.	Extra masonry required on account of 1 foot extra foundation extra footings & masonry in Estimate. &c	Brickwork.	End stone.	Sandries.	Total.
Examination in Hall—	349 (1) —	182 —	—	27 —	558
East clasp room—	1552 (2) —	193 —	201 —	128 —	2074
Principal's room &c—	300 (3) —	76 —	89 —	43 —	508
West clasp room—	394 (4) —	152 —	—	3 —	549
Library—	95 (5) —	—	—	10 —	105
Retaining wall—	786 (6) —	—	—	—	786
Total—	3476	603 (7)	290	211	4580
Scaffolding—	—	—	—	—	300
Sheds—	—	—	—	—	415
Pipes for drainage—	—	—	—	—	375
Contingencies—	—	—	—	—	230
Grand Total—	3476	603	290	211	5900

- Remarks
- 1) Foundations 1 foot extra footings extra and masonry in Estimate of Square tower S.W. Corner.
 - 2) Walls rebuilt Rs. 1000 pillars and portion of walls were found to have no foundation and had therefore to be rebuilt.
 - 3) Mispick in Estimate of the Tower and extra footings.
 - 4) Rebuilding portions of retaining wall & basement of old building that were found to be built in mud.
 - 5) 1 foot extra foundations.
 - 6) Estimate was 4 feet in height 7 feet required.
 - 7) Extra wood required for caps of Verandah pillars.
 - 8) Rate for stone 15" wide insufficient & steps 7 feet high instead of 10 as estimated.
 - 9) Nothing allowed in original Estimate.
 - 10) Extra accommodations required.
 - 11) Not allowed for in original Estimate.

District Eng's office
 Tanjore 23rd June 1874

M. A. M. Major R.E.
 District Engineer, Tanjore

Enclosure in letter
from the Dist. Engineer
Inspector to the Secretary
of the P.W.D.

No. 373, dated 23rd June 74.

P.W. 3859/74

And in reply
P.C. 24 July 74
En 18. 11. 542

Statement showing
the revised estimate

Combaconur College



7-14-7

15976

5555 124

5

5

3

204

1

42	4
785	9

557 13

2074

5283

5787

1057

7859

4579 9

1000

100

375

5900 "

Wm. Smart died 1885.
Signed, A. W. Smart & J. D. Smith.

Wm. W. W. W.

Richard Longmire, Prairie

Through forward	891	99	1287	109	396	1				
Seaboard	1030 cft	3567	72	1074 cft	3719	136	44 cft	152	64	buys of volume omitted
Service Roofing	44 Apr	1320	"	44 Apr	1320	"	"	"	"	"
Floor flooring	32	"	160	"	32	160	"	"	"	"
Anterior Glazing	51	"	159	6	51	159	6	"	"	"
Anterior	47	"	152	12	47	152	12	"	"	"
Service and Haraphel	355 cft	399	6	355 cft	399	6	"	"	"	"
Buttstone	101 cft	126	4	101 cft	126	4	"	"	"	"
Boat and upper lights	938 cft	1407	"	938 cft	1407	"	"	"	"	"
		8183	1211		8732	43		548	74	

Library

Excavation for foundation	165 cft.	10	5	165 cft.	10	5	"	"	"
Filling to basement	"	"	"	166	10	6	"	166	10
Concrete	47	138	129	47	138	129	"	"	"

Excavation to ground level 83 503 76 109 398 86 18 95 7 14 the foundations

Seaboard	122	"	480	6	122	480	6	"	"
Service Roofing	137 cft	474	81	137 cft	474	81	"	"	"
Service Roofing	11 Apr	330	"	11 Apr	330	"	"	"	"
Floor flooring	6	"	30	"	6	30	"	"	"
Anterior Glazing	21	"	65	10	21	65	10	"	"
Anterior	34	"	110	8	34	110	8	"	"
Service and Haraphel	112 cft	126	"	112 cft	126	"	"	"	"
Ornamental	112	"	196	"	112	196	"	"	"
Stone and Brindant	244 cft	366	"	244 cft	366	"	"	"	"
		2631	94		2737	4		105	7

Returning well

Excavation for foundation	97 cft	6	1	223 cft	13	15	126 cft	7	14
Service over	6	1	"	13	15	"	7	14	"

Comparative Statement showing Original and Revised Estimate Lombardum College with the excess fund required

Items.

Original Estimate Revised Estimate Excess.

Remarks.

Quantity Amount Quantity Amount Quantity Amount

Excavation for foundation	433 cys	27 1	433 cys	27 1	"	"	"	"	Not allowed for in original estimate
Setting in	"	"	304	19	"	304	19	"	
Concrete	124	"	366 3	124	"	366 3	"	"	
Truckwork to top of pile	195	"	712 15 6	257	"	939 10 6	62	22 6	Foundation, foot plates and girders slightly increased
do Superstructure	400	"	1575	"	431	1697 1	31	122 1	square tower in brick general estimate that
Sea wood	1076 cft	3725 12 4	1128 1/2 cft	3908	9 8	52 1/2 cft	181	13 4	Capo of column omitted
Some Roofing	33 cys	992	"	33 cys	990	"	"	"	
Shed dome including centring	449 cft	140 5	"	449 cft	140 5	"	"	"	
Sisal flooring	27 cys	135	"	27 cys	135	"	"	"	
Interior Cladding	52	"	162 8	"	54	"	168 12	2	6 4
Exterior	55	"	178 12	"	55	"	178 12	"	"
Spiral staircase complete	1	200	"	1	200	"	"	"	
Roof and Curbed	354 cft	398 2	354 cft	398 4	"	"	"	"	
Electric	84 cft	95 8	84 cft	105	"	"	"	19 8	Electric of plate
Spots and Grout	1096	1644	"	1091 cft	1636 8	"	"	"	Ro 7-8
Good grade Class Room									
Excavation for foundation	"	"	"	192 cys	12	"	192 cys	12	"
Concrete	"	"	"	60	"	177 3	60	177 3	Due to change roofs would have reduced and to the pillars in long to be reduced they were found to be in foundations
Truckwork	271 cys	1067 1	617	"	2429 7	346	"	1362 6	
Sea wood	1851 cft	6411	"	3 1907 cft	6604 15 7	56 cft	193 15 4	60 cys of column omitted	
Some Roofing	82 cys	2460	"	82 cys	2460	"	"	"	
Sisal flooring	57	"	285	"	57	"	285	"	"
Interior Cladding	111	"	346 14	"	123 cys	384 6	"	12 cys	"
Exterior	80	"	77	"	250 4	"	90	"	37 8
Roof and parapet	291 cft	327 6	"	291 cft	327 6	"	"	"	Small errors in original estimate
Carries over	11147 9 3			12972 127				1825 4 4	

Enclosure in a letter
from the District Engineer
Yangon to the Secretary
Government No.
No. 373, dated 23rd June

Ph. 7 24 July 1894
L. B. N. 542
x J. O. - 2001-24-7-94
x P. W. 3859/94
4

Part in
original copy
G. 245 2001
Comparative Statement
Showing original
and Revised Estimate
Combaconum College
with the excess sum
required -

No. 373. District Engineer's Office
Yangon 23rd June 1894.

From
Major H. R. Mead R.E.
District Engineer

To
Colonel G. W. Walker R.E.
Secretary Government

Sir,
I have the honor to forward,
as directed in L.O. No. 864, dated 27th
March 1894, to Revised Estimate for
Combaconum College amounting
to Rupees 58,000 being Rupees 3,900 in
excess of the sanctioned Estimate
I enclose comparative statement
showing the original and revised
abstract estimates with remarks
showing the reasons of the excess.
I also forward a statement marked A
showing the extra amounts required
for each separate portion of the new
building divided under separate heads.

In

2. In letter No. 352, dated 4 March, the Inspecting Engineer for Buildings brought to the notice of Government that the walls of the four Octagon rooms should be taken down and also that portions of the basement of the West Class rooms would have to be removed as they were partly brick in mud, the cost of this has been about Rs. 1500—

3. As the work of demolition went on it was found that other portions of the work required also to be done, and also owing to the rapid fall of the ground that the Estimate did not allow sufficient depth of foundations therefore 1 foot extra was put down.

4. The retaining wall is estimated at only 4 feet in depth (it has not yet been built.) but it is found that a depth of 7 feet

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7. The excess on Cut Stone R 23 is in consequence of the steps being required for a depth of 7 feet instead of 4 as estimated for and to the rate ^{for steps} being increased from Rupee 1 to Rs. 1 1/4 in consequence of the difficulty and great cost of obtaining stone 15 inches in width it has to come from far off and is carried 97 miles by rail and 16 by road.

Under

Under Sundries is included small extra amount for plastering it is only Rupees 211 I have added Rupees 300 for scaffolding for which no allowance was made and also Rupees 375 for pipes to carry the water from the roofs in a building of the style of a bungalow. The drain pipes certainly should be provided. The sum of Rs. 230-12 is for contingencies and excess of Rs. 475 on account of shed was reported by the inspecting engineer for buildings in his letter No. 352. I would remark that the rates are liberal and I have every reason to hope that there may be a saving on the estimate now submitted but as the work is an important one and as probably the cost of the ornamentation will be

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in predicting the estimated rates.

to. I regret that I have not
been able to send in this estimate
before but until the foundations
were dug and the old work opened
out it was impossible to say
what was necessary and again
reference had to be made to Mr.
Chisholm regarding what was
intended.

I have the honor to be
Sir,
your most obedient servant

M. M. M. Major G. H.

District Engineer

...

Public Works Department
 Proceedings of the Madras Government
 From the Engineer
 Bangalore (H.O. No. 373 dated 23 June 1874)

Write this letter to

District Engineer Bangalore,
 in accordance with G.O. No. 864 of the 27 March last,
 forwards a revised estimate

for the reconstruction of Chemburam

College on the foundations of the old building.

The original estimate sanctioned
 in G.O. No. 2470 of the 24th April 1873

amounted to Rs. 52100

the one under notice to Rs. 58,000

showing therefore an increase

of Rs. 5900.

The various causes which have

led to this increased estimate

of cost are clearly shown in

the Comparative statement which

accompanies the District

Engineer's letter, in which

also they are consecutively

notified.

Mpl
 13/7

D. M. 1874, Bangalore
 Bangalore
 No. 373.

The District Engineer,
 Bangalore
 The Secretary to
 Government P.W.D.

Dated 23 June 74
 Received - 25

Encl. 4.

G.O. No. 2061, 24-7-74

for the reconstruction

of the old building

for the reconstruction

College building.

2061

Co. 16th July 1874
 and 16th July 1874

Aug 16 (Sat) 26 Aug 74

542-543.

Pr. 1/12/74
Cie 11/1/74 Rto 14/1/74

3859

Gobt. of (1874) Madras.
PUBLIC WORKS.

To

The Dist. Engr.
Tanjore.

Dated

Recd.

Encl.]

D. 24th July 1874. No. 2001

No. 542-543.

Conbaconum College.

The revised Estimate of
Rs. 58000 for the re-
construction of Conbaconum
College sanctioned —

Recd 11/7/74 Note 14/7/74