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2. Date of receipt 30-7-37
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MADRAS RECORD OFFICE.

Government of Madras.

Public Works DEPARTMENT.
Coa 25/6/38

G.O. No.	<i>694</i>	Press
		<u>Mis.</u>
<i>50-51</i>		
Dated	<i>15-4-</i>	<i>18 58</i>

Not to be folded or roughly handled

No. 50. Read the following letter from Colonel C. E. FABER, Chief Engineer; to H. FORBES, Esq., Acting Secretary to Government, dated 22nd March 1858, No. 8298.

SIR,

I have the honor to resubmit the Bill for Rupees (3,742-11-3) three thousand seven hundred and forty-two, annas eleven and pice three, for the improvement made to the Surgeon's quarters at the General Hospital which was returned with Extract Minutes of Consultation No. 768 of the 23rd April last, for a full explanation as to the cause of the increase of Rupees 1,559-4-4 above the estimate.

2. From the accompanying documents marked A and B received from the Civil Architect it will appear that additional work to the amount of Rupees 438-3-9 was executed, the chief items thereof as particularized in the

Letter from the Superintending Engineer Presidency Division, dated 24th April 1856, No. 316.
Ditto from the Civil Architect, dated 7th May 1857, No. 278.

document B, are for plastering 6,500 superficial feet with three coats of chunam, for a moveable teakwood screen, and a wooden stair-case. Besides Rupees 727-9-8 and Rupees 158-14-7 were spent in excess of the estimate, the former being the difference between the market price and the rate allowed in the estimate for the purchase of timber, and the latter on account of the

Amount of Bill.....	Rs. A. P.
Ditto of Estimate.....	3,742 11 3
Ditto of Excess.....	2,183 6 11
Particulars of Excess,	Rs. A. P.
On account of Timber.....	727 9 8
Ditto of Chunam.....	158 14 7
Ditto of Extra work.....	438 3 9
Ditto of the carriage of Mortar, &c.....	234 8 4
	1,559 4 4

purchase of chunam. The reason for defective rates entered in the estimate is in consequence of the estimate though framed in the early part of 1855, having been prepared according to the rates which prevailed up to the year 1852. The further excess of Rupees 234-8-4 is partially accounted for in the concluding para. of the document marked B, which appears satisfactory, and I therefore beg to recommend sanction being accorded to the Bill.

Letter from Lieutenant Colonel W. H. ATKINSON, Superintending Engineer P. D.; to Colonel C. E. FABER, Chief Engineer, dated 24th April 1856, No. 316.

SIR,

I have the honor to report the completion of erecting a bed room with dressing and bath rooms and a verandah &c. complete on the 3rd floor of the Surgeons Quarters at the General Hospital for the use of the Principal Surgeon attached to that institution as per accompanying estimate dated 3rd February 1855 amounting to Rupees 2,183-6-11 and request you will be good enough to inspect and report upon the same.

2. I beg to annex a statement of the works not executed according to the sanctioned estimate as well as of those additions found necessary.

DEDUCT.

49 Supft. Terracing with brick on edge jelly 1 Course flat tiles and plastering 3 coats chunam to the ceiling over the Gallery of the stair case...	6 2 2
6000 Supft. Plastering with 2 coats chunam.....	111 9 0
450 do. do. with 2 coats yellow chunam in sqr. to the floor.....	9 6 9
Difference of price in lining with Teakwood planks over the beams between the joists...	3 8 0
5 x 3½ 1 Pair venetian window shutters with frames hooks and hinges &c. complete.	14 7 10
13½ x 7 1 Double canvass screen with top and bottom frames posts and a door in centre with cast iron hinges and screw nails and wooden knobs &c. complete...	42 0 5
41 x 6 ins. Sqr. 2 Teakwood water trunks with iron cramps hoops and paying over with tarpitch and cloth &c., ...	44 13 6
Difference of price in 4 Teakwood water trunks complete of 2½ feet long each instead of 2½ feet provided for in the estimate...	0 8 9
Cooly hire for cutting the wall and fixing the two long trunks against the wall with teakwood blocks by having a space of 3 ins between the wall and trunk ...	6 0 0
Carpenters Cooly hire for cutting and fitting up the old joists to from a gallery over the new stair case.	2 0 0
100 Supft. Green paint 3 coats... ..	2 7 6
200 do. White paint 3 coats to the canvass screen with ground colour of wheat flour.	6 4 0

Rupees..... 249 3 11

Fort Saint George, Public Works Consultation of 20th April 1858.

ADDITIONAL WORK.

204	Cb. ft. Brick work in Chunam.	24 15 6
28½	do. Circular arch work in chunam	5 12 8
94	do. Flat arch work in do.	16 6 5
72	do. Cornice work in chunam...	13 8 0
6500	Supft. Plastering with 3 coats chunam at 3-8-6 per sqr.	229 8 6
412½	do. Plastering the verandah floor with 2 coats white and blue coloured chunam in sqr. at 2-8 ½ sqr.	10 5 0
	Difference of price in removing the old plaster over the terrace and levelling the floors with jelly in chunam where required for the purpose of plastering with coloured chunam.	7 0 0
2000	Supft. White washing in chunam with 2 coats...	3 2 0
150	do. Repairing the old terrace with 3 coats chunam at 3-11-6 ½ sqr...	5 9 3
	Cooly hire for removing the portion of the parapet and binding walls over the terrace.	7 0 0
	Constructing a small retaining wall in bath room and making grove over the cornice with masonry and plastering the same to discharge the water...	3 0 0
	Difference of price in cutting the portion of the terrace of the 2nd story and fixing the beams joists and rails &c., over the stair case for forming a well to the new stair case void.	3 8 0
7	Cubft. Teakwood wrought and put up	12 11 0
47	Supft. Lining teakwood planks and nails of 1 inch thick with battens over the joists of the Gallery at 20 per sqr.	9 6 5
7½ × 4 ft.	1 Pair panelled venetian door with frames hooks and hinges &c. complete...	22 8 0
	Difference of price in teakwood turned rails with posts top and bottom frames &c. complete over the Gallery of 15½ by 3½ feet instead of 17 × 3 feet provided for in the estimate.	4 2 0
	Moveable teakwood screen with frames brass hinges &c. and lining the silk furnished by the Surgeon with copper tach nails of 15 feet long by 6 feet in height...	40 0 0
2	Teakwood water trunks with iron cramps hoops and paying over with tar pitch and cloth &c. of 14½ feet by 6 inches. sqr.	15 13 8
	Difference of price in 2 Teakwood water trunks complete of 14½ feet instead of 14 feet provided for in the estimate...	0 13 1
	Do. in 1 do. of 12 feet instead of 11 feet do.	0 8 9
	Difference of price in cooly hire for fixing the trunks against the walls with 28 teakwood blocks of 8 inches by 3 × 2½ inches each by having a space of 3 inches between the wall and trunks	5 0 0
	Do. in constructing a wooden stair case with back and tread planks and turned rails &c. complete for the new 3rd story inclusive of panelled partition to the bottom part of the stair case and wood oil 3 coats &c.	94 0 0
	Altering a door into a window way with new bottom frames, planks and iron plate hooks and fixing a new turned rails in lieu of the sill in the 2nd story and also removing and re-fixing the same with masonry for preventing the children from falling...	15 0 0
	Repairing and fixing a window with 4 new teakwood frames, 4 folding hinges and other articles &c.	8 12 0
	Repairing the old ladder step with new planks &c.	4 0 0
12	Wall shade hooks with teakwood blocks and fixing them in the walls with masonry...	3 0 0
16	Iron fastening hooks of 6 inches long with teakwood blocks and fixing them in the wall with masonry for fastening the doors...	5 0 0
250	Supft. Green paint 3 coats with Europe verdigrese...	11 14 0
225	do. Keg Green paint 2 coats to the old doors and windows.	3 15 0
86	do. Red paint 2 coats...	1 4 5
	Difference of price in sundry charges and erecting high scaffolding &c.	100 0 0
	Rupees.....	687 7 8

Fort Saint George, Public Works Consultation of 20th April 1858.

Letter from Lieutenant-Colonel W. H. ATKINSON, Civil Architect P. D.; to Colonel C. E. FABER, Chief Engineer, dated 7th May 1857, No. 278.

SIR,

In reply to the Extract Minutes of Consultation No. 768, dated 23rd Ultimo requiring full explanation as to the cause of excess of the bill* for constructing an upper room forming a 3rd story to the Surgeon's Quarters at the General Hospital which bill amounting to Rupees (3,742-11-3) exceeds the estimate 2,183-6-11 by Rupees 1,559-4-4 or 71 per cent, I have the honor to annex the accompanying Extract from my survey report dated 24th April 1856, which preceded the bill forwarded to you on the 29th November last vizt.

Work which although in the estimate was omitted in the construction... 249 3 11
This deducted from the amount of the estimate dated 3rd February 1855 for Rupees ... 2,183 6 11

Leaves the value of what was done according to the estimate... 1,934 3 0
Add Extra work that was substituted or found necessary of which the said survey report gave you the fullest details... 687 7 8
2,621 10 8

Add the difference in the price of Timber charged in the estimate at 546-8-1 for the 624-6-11 Cb. ft. vide estimate at 4 Cb. ft. ¾ 3½ Rupees the rate up to 1852 viz.

618-9-1½ @ 1'-8"-7" 1,262 9 2
and 5-9-9-1½ @ 1-9-2 11 8 7
1,274 1 9

For which rates vide several bills of the time...

Deduct the... 546 8 1

Leaves to be added for the difference of Timber cost... 727 9 8
Add for the difference in the price of chunam which for that year was very dear as has been repeatedly brought to notice and for which instead of the rates charged in the bill No. 1615 the data provides 20 lbs. ¾ 3½ Rupees... 158 14 7

3,508 2 11
this deducted from the bill... 3,742 11 3

Leaves only... 234 8 4

for the actual excess. Which may be partly accounted for by the circumstance of the mortar instead of being prepared on the spot as the data alone provides being so at some little distance outside across the road and on the esplanade adjoining the medical school and when with the extra distance on the ground the mortar and water &c. had to be carried also up a scaffolding 3 stories high all which hindrances will I trust amply account for the difference combined with the interruption there always will be when a house continues occupied by a family while work is going on from the inconvenience to the inmates at times caused by the noise and dust that are unavoidable.

No. 51. ORDER THEREON, No. 694; dated 15th April 1858.

The explanation afforded in the above letter with regard to the increase above the estimate for the Surgeon's Quarters at the General Hospital, meets only a portion of the call made on the Chief Engineer in Extract Minutes Consultation, dated 23rd April 1857, No. 768. The dates of commencement and completion are not stated, and the table of rates paid for the materials compared with the rates given in the estimate which was also called for in the above Extract, is not submitted. The Bill will now be returned to the Officer in charge of the Central Office with a request that he will supply the omission.

2. Great delay has taken place in re-submitting the Bill. The letter of Colonel Atkinson affording explanation of the increase is dated 7th May 1857, and the reason for this extraordinary delay of about one year in the Central Office is not apparent.

(Signed) H. FORBES,
Acting Secretary to Government.

N. 8278

Central Office of P.W.
Fort Saint George
22 March 1858

From
The Chief Engineer

To
The Secretary
to Government P.W.

Sir,

Enc 3

I have the honor to resubmit the Bill for
Rupees (3742:11:3) three thousand seven hundred and
forty two, annas eleven and pice three, for the improvements
made to the Surgeons Quarters at the General Hospital
which was returned with Extract Minutes of
Consultation N. 468 of the 23rd April last for a full
explanation as to the cause of the increase of Rupees
1559:4:4 above the Estimate.

2

From the accompanying documents marked
A+B received from the Civil Architect it will appear

Letter from the Superintending Engineer, Presidency Division
dated 14th April 1856 N. 316.
do from the Civil Architect dated 7th May 1857 N. 278

that additional work to the
amount of Rupees 638:3:9

was executed, the chief items thereof as particularized in
the document B, are for plastering 6500 superficial
feet with three coats of Chunar for a moveable

teakwood

made

teakwood screen, and a wooden stair case. Besides
 Rupees 727: 9: 8 and Rupees 158: 14: 7 were spent in
 excess of the Estimate, the former being the difference
 between the market price and the rate allowed in the
 Estimate for the purchase of timber, and the latter on
 account of the purchase of Chunnam. The reason for
 defective rates entered in the Estimate is in consequence
 of the Estimate though framed in the early part of 1855,
 having been prepared according to the rates which prevailed
 up to the year 1852. The

further excess of Rupees
 234: 8: 4 is partially
 accounted for in the
 concluding para of the
 document marked B,

Amount of Bill	Rupees	3742: 11: 3
do. of Estimate	"	2183: 6: 11
do. of Excess	"	1559: 4: 4
Particulars of Excess		
On account of Timber Rupees 727: 9: 8		
do. of Chunnam " 158: 14: 7		
do. of Extra work " 638: 3: 9		
do. of the damage		
of the latter " 234: 8: 4		
		1559: 4: 4

which appears satisfactory, and I therefore beg to recommend
 sanction being accorded to the Bill.

Central Office of P.W.
 Fort Saint George.
 22 March 1858.

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

Robert Colvel
 Chief Engineer

X² 138

Public Works Dept.

Apr. 694
Extract from the Minutes of Consultation
Under date the 15th April 1858.

Read the following
letter from the Chief
Engineer.

Here enter 22nd March 1858
C 18-98/

The explanation
afforded in the above letter
with regard to the
increase above the Esti-
-mate for the Surgeons
Quarters at the General
Hospitals, meets only a
portion of the call
made

Wf
will

Env. 28th Apr 57 1248 112
Wf 6th March 58 - 119 1120

9297-1858 10/10/10
C 18-98/

Wf
The Chief Engineer

Wf
The Secretary
to the Committee

Wf
Revenue 23 3
C 18-98/

Wf
Wf
C 18-98/

Wf
Wf
C 18-98/

Wf
Wf
C 18-98/

C 18-98/

C 18-98/

made on the Chief Engineer
in Contract Min. Con.
dated 23^d April 1857
N^o 768. The dates of
commencement and
completion are not
stated, and the table
of rates paid for
the materials com-
pared with the rates
given in the Estimate
which was also called
for in the above Ex-
tract, is not submitted.

The Bill will now
be returned to the
Officer in charge of
the Central Office with
a request that he will
supply the omission.

Great

Great delay
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the Bill. The letter
of Colonel Atkinson
affording explanation
of the increase is
dated 7th May 1857,
and the reason for
this extraordinary
delay of about one
year in the Central
Office is not apparent.

RZ

A Copy to the Chief Eng.
with Bill -
Disf. 16.

Publ. in Nov 20 1858 Dep. with
Dry to snow: 20.5° at night

Dec. 6 94

Exp. had at this time of snow.
D. at least 15.5° at night 6/58

From the 17th to 18th of Aug 2
9 24.5° D. and 38.0° at night
in Jan. 25.0° Jan 1894

Standing and certain
suspicious with the little
instruments and made to the
dangerous. Danger on at the
house and the hospital, and
receiving the same to the
specimen and change of the
weather and the night with a
great deal of snow to supply the
suspicious.

2000 57 94 57