

(1) Number of pages _____

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(3) Initials of the Referencer _____

MADRAS RECORD OFFICE.**Government of Madras.***Public Works* **DEPARTMENT.**

G.O. No.	251	Press
		Mis.
400-401		
Dated	22-11-18	1842.

Not to be folded or roughly handled

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*Proceedings of the Madras Government, Public Works Department,
22nd January 1869.*

No 400 Read the following letter from the Superintending Engineer, 6th Division, to the Secretary to Government, Public Works Department, dated Tanjore, 19th December 1868, No 1,012 —

2 Comparative Statements
1 Estimate

1. I have the honour to inform you that the estimates for the Court-house and Travellers' Bungalow at Tanjore are

likely to be exceeded, and I enclose comparative Statements showing the excesses and their cause

2 Owing to the rise in prices of labour and materials of late years in Tanjore, consequent upon the greater demand by the Railway Department, the Municipality, and others, and to the heavy charges by the Municipality for tolls, and to the fact that bandies plying in the town and its neighbourhood cannot now take out a license, but have to pay a toll of two annas, if full, and one anna, if empty, if passing into the town, and owing also to the scarcity of firewood, it is quite impossible to continue to work now at the rates which have hitherto prevailed, and I have myself gone most carefully into the details, and have checked the data from which the rates given in the enclosed statements have been arrived at

3 The great increase in the cost of the flooring is due to the fact that I propose to introduce a floor consisting of slabs* of burnt stone both for the

* 1 foot square

Bungalow and for the Court-house, under G O, No 2,881, dated 9th September 1868. As, however, the stones would be too heavy for the floor of the upper story of the Court-house, I propose to polish the chunam very highly, and trust that with the comparatively light usage of the upper story, the highly polished chunam floor will prove to be lasting, if not, it must be asphalted hereafter, and in the meantime little or nothing will be saved by asphaltting the floors of the upper story at once

4. The excesses in the quantities for the foundations of the Bungalow and Court-house are explained, in the statement, to be due to the fact that the foundations had to be carried lower than the estimate provided for. As Contractors could not be obtained to undertake these works, it was necessary that they should be carried out departmentally, and as the Bungalow is much required, and the Government were anxious that the Court-house should be put in hand as

G O's No 52, dated 15th January 1868, Judicial Department, No 219, dated 23rd idem, Public Works Department, and No 1,965, 20th June 1868

early as possible, I placed Mr. Supervisor Mullins in special charge of these works, under the Range Officer, and directed that the works should be pushed on as rapidly as possible, and I permitted laterite stone from the fort to be used in the foundations, as there appeared to be a difficulty about procuring bricks in sufficient quantities, and as, at the season when the works were commenced, the Padoogays from which the brick-earth is obtained were liable to inundation, the works were pushed on vigorously, but the rates at which bricks were obtained were not checked, and when I returned from a tour in the district in October I found the foundations of both buildings laid and the superstructure in progress, and on enquiring whether the work was being carried out within the rates, I was informed there was a trifling excess, and I directed that statements should be furnished showing the rates

on which work was being executed; there was some delay in furnishing these statements, on the plea that materials were constantly coming in and being issued. At last, however, the bricks began to run short, and those brought to the work spot were not such as should be used in the buildings, and I stopped the work, and on going into the accounts, I found that the laterite work had cost $2\frac{1}{2}$ Annas per cubic foot in the Bungalow and $2\frac{1}{2}$ Annas in the Court-house, the difference is too great, and though I think $2\frac{1}{2}$ Annas per cubic foot may be passed for the Bungalow work, owing to the fact that the stones in the smaller foundation required more dressing

5,591½ at 5 Pice = Rupees 145-9-9

than in the larger, the difference of 5 Pice per cubic foot should, I think, be made good by the Supervisor. The brick-work, I found, cost $3\frac{1}{2}$ Annas in the Bungalow and $3\frac{1}{2}$ in the Court-house, and after going carefully into the details, I have come to the conclusion that notwithstanding the use of small bricks and the consequent

1,250 instead of 1,000 to 66 cubic feet

	RS	A	P.
Bungalow 8,537½ at 3 Pice	35	1	6
Court-house 17,051 at 2 ,, ..	177	9	10
Laterite ..	145	9	9
	358	5	1

excess in cost of chunam, labor, &c, the brick-work ought not to have cost more than 3 Annas had the labour been properly checked, the excess should, therefore, in my opinion, be made good by the Supervisor, and is not included in the estimate, if Government remit the amount and punish Mr Mullins in some other manner, these charges will fall within 5 per cent of the estimates, for the rest of the work in the lower story of the Court-house, $2\frac{1}{2}$ Annas are allowed per cubic foot of brick-in-chunam work, as at this rate the work can be done if full sized bricks are used. Contracts have been made for full sized bricks, and will be put in hand as soon as the rain ceases or early next month. The main walls of the Court-house have been run up eight feet high, and the basement of the verandah and verandah-rooms is nearly completed.

5 The Bungalow is completed with the exception of the plastering, the roof of the cook-room is in progress, and the privy is not commenced; by the end of January, the building ought to be ready for occupation.

6 It will be observed that the revised estimates are swollen owing to items such as levelling, forming approaches, hedging, removing prickly-pear, wells, &c, having been omitted in the original estimates. The estimates are as follows —

	Original RS	Revised RS
Bungalow and out-houses	5,130	7,390
Court-house	48,570	56,440

7. There is no sort of shade or shelter on the site of the Court-house or in its neighbourhood, and though I have reared a number of tamarinds from seeds in my garden for the Court-house compound, it will be long before the trees are large enough to afford shade or shelter, and the Civil Judge agrees with me that a shed should be provided for those who are attending the Court, and I therefore submit an estimate for a shed similar to that designed by Mr Chisholm as an out-house to be attached to the Sub-Magistrate's Cutcherry, and if approved its probable cost, Rupees 1,330, should be added to the estimate for the Court-house, and will bring it up to Rupees 57,770.

8 It is probable that a sum of Rupees 6,000 may be expended upon the Court-house in 1868-69 in excess of the allotment of Rupees 22,424 already made, this amount will be entered in the statement of probable requirements and surrenders which will be submitted next month.

* Rupees 2,260

9 The amount* required to complete the Bungalow may be borrowed from Local Funds, and be provided for and repaid in April.

No 401

ORDER THEREON, 22nd January 1869, No 201. *

CIVIL WORKS, No. 53.

1. With this letter the Superintending Engineer of the 6th Division submits revised estimates of Rupees 56,440 and Rupees 7,390 for the Court-house and the 'Travellers' Bungalow under construction at Tanjore, the original estimates of which amounted to Rupees 48,570 and Rupees 5,130, respectively. Captain

* Court-house	RS 7,870
Travellers' Bungalow	2,260

Oakes states that the excesses* are due chiefly to the rise in the price of labour

and materials, to the foundations having been carried to a greater depth than was allowed for in the first instance, to the increased cost of the floors which are now proposed to be laid with slabs of burnt stone, and to certain items, such as levelling the sites, forming approaches, hedging, sinking wells, &c, having been omitted from the original estimates.

2 Under the explanation submitted, the Government sanction the revised estimates, and authorize the construction of the shed† proposed to be built

† Estimate Rupees 1,330

in the compound of the Court-house for the accommodation of suitors.

3 In reviewing the causes of the excesses, the Superintending Engineer represents that, on examining the accounts connected with the works, he found that for the foundations of the Bungalow had cost $2\frac{1}{2}$ Annas per latente stone-work for the foundations of the Bungalow had cost $2\frac{1}{2}$ Annas per cubic foot. This he considers a higher rate than the work ought to have cost, and gives it as his opinion that it might have been done for $2\frac{1}{2}$ Annas per cubic foot, showing a difference of 5 Pies, which on 5,591½ cubic feet of stone actually laid, amount to Rupees 145-9-9. Captain Oakes further states that brick-work for the Court-house and the Bungalow cost $3\frac{1}{2}$ and $3\frac{1}{2}$ Annas per cubic foot, respectively, but that, on careful examination of the details, and making due allowance for the use of small bricks and the consequent increase in the cost of chunam, labour, &c, he is of opinion that the work ought not to have cost more than 3 Annas per cubic foot, and he accordingly recommends

† Court-house 17,051 at 2 Pies	RS 177	A 9	P 10
Bungalow 8,537½ at 3 ,, ..	133	6	5
	311	0	3

that the excess† on this account, viz., Rupees 311-0-3 (and not Rs. 212-11-4 as stated by him) together with the sum of Rupees 145-9-9 referred to above,

should be made good by Mr. Supervisor Mullins, who having charge of the works, has not, the Superintending Engineer believes, exercised a proper supervision over labour.

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3 In reviewing the causes of the excesses, the Superintending Engineer represents that, on examining the accounts connected with the works, he found that for lateite stone-work for the foundations of the Bungalow had cost $2\frac{1}{2}$ Annas per cubic foot. This he considers a higher rate than the work ought to have cost, and gives it as his opinion that it might have been done for $2\frac{1}{4}$ Annas per cubic foot, showing a difference of 5 Pies, which on 5,591½ cubic feet of stone actually laid, amount to Rupees 145-9-9. Captain Oakes further states that brick-work for the Court-house and the Bungalow cost $3\frac{1}{4}$ and $3\frac{1}{4}$ Annas per cubic foot, respectively, but that, on careful examination of the details, and making due allowance for the use of small bricks and the consequent increase in the cost of chunam, labour, &c, he is of opinion that the work ought not to have cost more than 3 Annas per cubic foot, and he accordingly recommends

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should be made good by Mr. Supervisor Mullins, who having charge of the works, has not, the Superintending Engineer believes, exercised a proper supervision over labour.

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22nd January 1869.*

4. It seems clear that the work, so far as it has yet been completed, has cost more than was necessary had it been properly managed, but, unless the Superintending Engineer can show that this has been due to *wilful* inattention or negligence on the part of the subordinate in immediate charge of it, the Government are not prepared to hold him pecuniarily responsible. Mr. Mullins has had comparatively little experience in building operations on so large a scale as that on which the works connected with the erection of the Court-house and Travellers' Bungalow are carried on, and as it is probable that the lesson he has had will not be lost upon him, the Government will not require him to make the refund which the Superintending Engineer recommends, but they desire that he be admonished, and warned to exercise more care for the future

5. Paragraph 9 of the Superintending Engineer's letter will be referred to the Revenue Department for consideration.

(True Extract)

Colonel, R. E.,
Secretary to Government

To the Superintending Engineer, 6th Division
,, Controller of Public Works Accounts
,, Accountant General
,, Revenue Department.
,, Judicial do.

Exd S. T. Augustin.

Comparative Statement Showing Cost of Bungalow at San Jose as Estimated for & as Incurred -

Original Estimate Revised Estimate -

Work carried out showing excess in walls only

Remarks -

Bungalow.

Quantity - Rate Amount Quantity Rate Amount Quantity Rate Amount
No. Rs. P. No. Rs. P. No. Rs. P. No. Rs. P. No. Rs. P.

Brick in Chumandoff 13282 $\frac{7}{16}$.. 2.. 1660 4 10 5591 $\frac{1}{4}$.. 23 786 4 3 5591 $\frac{1}{4}$.. 28 931 14 ..
8537 $\frac{7}{16}$.. 3.. 1600 12 4 8053 $\frac{1}{2}$.. 33 1635 13 10

Of the excess in the quantity 641 $\frac{3}{4}$ cys. are due to the fact that it was found necessary to lay the foundations $\frac{1}{2}$ depth than the Estimate allowed & 205 is due to the Verandah walls & Pillars having been raised 9" owing to an error with regard to the doors which are 7 $\frac{1}{2}$ ' high in the Estimate though from the Plan it is clear they were intended to be only 6'. The excess in rate is due to small bricks having been used 2 $\frac{3}{4}$ annas ought to have been the rate had full sized bricks been used -

Sterring Sg^{rs} - 966 22 13.. 220 5 10 966 27 8.. 265 10 5

Excess due to increase in cost of materials -

Flooring - 1798 $\frac{1}{2}$ 6 5.. 113 8 5 2099 26 4.. 550 15 10

Roughly dressed stone ^{has been} introduced instead of Brick floor under G.O. No. 2887 dated 9th September 1868 hence excess in rate - Increase in area due to stone being required in door ways and over retaining wall of Verandah which being of brick were not provided in Estimate for flooring -

Roofing - 2295 19 2.. 438 14 8 2295 24 14.. 570 14 1

Excess due to increase in cost of materials and labor -

Teakwood wrought 1423 $\frac{3}{4}$ 4 .. 571 .. 142 $\frac{3}{4}$ 3 10.. 517 7 6

Plastering 8643 $\frac{5}{8}$ 2 .. 172 13 11 8925 $\frac{1}{2}$ 2 10.. 234 4 8

Venetian Iron 7 $\frac{1}{2}$ x 3 $\frac{1}{2}$ - 12 28 8.. 342 .. 12 33 12.. 405 0 0

Window 50 5 $\frac{1}{2}$ x 3' - 12 18 .. 216 .. 12 22 .. 264 0 0

Carried over - 3734 15 8 - 5795 5 1

Do - Do - Do -
Do - Do of Scientific labor -
Do - Do - Do - No contractor would undertake the making up of the doors at the estimated rates which

2567 11 10

Original Estimate Revised Estimate Work Carried out

Remarks

Quantity	Rate	Amount	Quantity	Rate	Amount	Quantity	Rate	Amount	
a a s	a a s	a a s	a a s	a a s	a a s	a a s	a a s	a a s	
Brought forward		3734 158			5195 51			2567 11 10	which are below those allowed for the driv & Windows of the Court House -
Excavating foundation & filling		35 - -			71 - 99				Not sufficiently provided for in the Estimate -
Scaffolding		29 - -			34 69				
Hedging & clearing compounded of brick Pean & sand filling					206 - 6				Not provided for in Estimate. A part part of the ground was over run with brickly Pean which had to be removed.
Forming Road Building gate Posts providing gate & repairing to clearing well					130 - -				Not provided for in Estimate -
Sundries		299 - 4			422 94				
		4098 - -			6060 - -			2567 11 10	

Cook room

Brick in chimney	3296 ¹³ / ₁₀	2 -	412 17	- 3 -	618 - 26	2885 - 33	586 - 3
Flooring	642 ¹ / ₂	- 65	40 8 11		40 8 11		
Roofing	1316	- 19 2 -	257 10 11		257 10 11		
Plastering	2831 ¹ / ₂	2 - -	56 10 1	2 10 -	74 54		
Lark wood wrought	7 ⁵ / ₈	4 - -	31 8 -		31 8 -		
Doors Complete 7 ¹ / ₂ ' x 3 ¹ / ₂ '	3	16 - -	48 - -	20 8 -	61 8 0		
Bulls Eyes	4	" 5 -	14 -		5 -		
Excavating foundations			13 - -		13 - -		
Contingencies & Sundries			65 46		84 44		
			920 00		1180 - -		586 - 3

	Original Estimate			Revised Estimate			Work Expended			Remarks
	Quantity	Rate	Amount	Quantity	Rate	Amount	Quantity	Rate	Amount	
Brought forward for Bangalore & Co. house		R. & P.	R. & P.		R. & P.	R. & P.		R. & P.	R. & P.	
Privy			5078 00			7240 00			3153 121	
Brick in chunam	546 ³ / ₁₆	2	68 44			3 102 66				
Profing	110	192	21 06			21 06				
Plastering	650	2	13		2 10	17 10				
Bulls eyes	3	5	15			15				
& caulked joints										
& Contingencies			8 122			8 122				
			112			150				
Grand Total			5130			7390			3153 121	
Deduct Original Estimate						5130				
Net Excess						2260				

Sup Eng's Office 6th D^o
 Jan 19th Dec 1868

F. Gates Capt. R.E.
 Sup Engineer 6th D^o

Comparative State
 of work shown east of
 the wall of the compound
 at Tanyore as estimated
 for and as executed.

13th 4991/88
 19th 4991/88

Enclosed in a letter
 from the City Engineer
 to the 10th, dated
 19th December 1868

Civil Buildings Tanyore District New Work
Tanyore Taluk
Abstract Estimate No of 1868.69
Work Constructing a Roys Shed in Compound
of the New Court House at Tanyore

Quantity	Description of Work	Rate	Amount	Amount of each part
1205 3/4	Cfb Brick in Chumam — at	28	200 154	
206 1/2	Cfb of Teak wood — at	3 10	740 9	
26 1/2	Sqrs of Wood oiling — at	1 0	39 2	
113 9/4	Sqrs of Roofing with Teak wood peper 2" x 3/4 nails, flap and pan tiles with Chumam borders — at	22 8	256 53	
	Scaffolding		11 7 1/2	
	Excavating foundation and Sundries		706 5	

Total Estimate Rupees 1330 ..

Supl Engrs Office to Dura
 Tanyore 19th December 1868

W. F. Bates Captain R.E.
 Superintending Engineer to Dura

98

Quelques-uns des
from the early papers
6-20-1912, dated
19. Dec. 1868.

Apr. 499/18

Am. 27 Aug 1868

Atm. 10, 1838, for
Am. 10, 1838, for
of the New Court
House at Sydney.

Comparative Statement showing the Original Estimate and probable Cost of erecting the Court House, at Tanjore -

	Original Estimate.			Revised Estimate.			Remarks.
	Quantity	Rate	Amount	Quantity	Rate	Amount.	
		R a P	R a P		R a P	R a P	
<u>Lower Story.</u>							
Brick in Churnam	55,989 $\frac{7}{16}$	2.	6,998 10 10	25,479	2 1	3,317 9 3	The excess of 9387 cubic yards of masonry in the foundations is due to the fact that the side on which the Court House is built is on a great measure artificial & it was necessary to go down 6 $\frac{1}{2}$ ' on an average instead of 4' as allowed in the Estimate. Latent from the Port used in the foundations and the rate is reasonable. The 17,051 cubic feet of masonry executed has cost Rs 3383-13-1. Small Bricks were used as in the Bangalore & the rate should not have exceeded Annas 3 per cubic foot or Rs 3197-1-0. the excess of Rs 186-12-1 is due to improper supervision. the work remaining to be executed will be carried out with full sized bricks & will cost 2 $\frac{2}{3}$ Annas per cubic foot.
				17,051	3.	3,197 1	
				22,846 $\frac{7}{16}$	2 8	3,807 11 10	
Arch work C of L	3,382 $\frac{1}{2}$	3.	634 3 6		3 6	739 14 9	The excess of rate for Arch work is due to increase in cost of materials & labor.
Flooring Sg ^{rs}	9,559 $\frac{5}{10}$	6 5.	603 6 6	10,419	26 4.	2,734 15 10	The excess is due to roughly dressed burnt stone being used for the floor of the lower story under G.O. No 2881, dated 9 th September 1881. The increase in the area is due to stone being required in door ways and over retaining walls.
Scaffolding	12,727	22 $\frac{1}{2}$	2,903 5 6		27 8.	3,499 14 10	Excess due to increase in cost of materials and labor.
Plastering	40,501	2.	810 0 3		2 10.	1,063 2 5	Do
Carried over							Do
				11,949 10 7		18360 5 11	

Original Estimate. Revised Estimate.

Remarks.

	Original Estimate			Revised Estimate		
	Quantity	Rate	Amount	Quantity	Rate	Amount
Brought forward						
		R a P	R a P		R a P	R a P
			11,949 10 7			18,360 5 11
Plastic work	5750	12	43 2		12	43 2
Cut Stone	1016 $\frac{3}{4}$	1	1016 12		1	1016 12
Latite	1842	46	518 1		8	921
Teakwood wrought	1585 $\frac{7}{8}$	4	6343 8		3 100	5748 12 9
Doors	58	48	2784			2784
Windows	36	35	1260			1260
Stair cases	4	280	1120			1120
Excavating foundations and filling	-	-	160			422 1 7
Scaffolding	-	-	500			500
Leveling ground	-	-	-			123 13 10
Forming Approaches	-	-	-			170
Sinking a well	-	-	-			250
Sundries	-	-	2564 14 5			2449 15 11
Carried over	-	-	28260			35170

The rate allowed viz 4 6 is insufficient. so much dressing is required that the work cannot be executed under 8 annas per cubefoot

Not sufficiently provided for in Estimate. Excess due to greater depth given to foundations and to sand having been used to fill in round foundations.

1085
Owing to the irregularity of the Surface Cubic yards of Earth have to be removed in levelling the Site. not provided in Estimate.

Not provided in Estimate - includes the cost of one tunnel

Not included in Estimate. it is proposed to sink one well for the Court & Salug Cutcherry which will be almost opposite to each other with a public Road passing between them -

	Original Estimate			Revised Estimate			Remarks
	Quantity	Rate	Amount	Quantity	Rate	Amount	
Brought forward		R a P	R a P		R a P	R a P	
Upper Story			28260			35170	
Brick in Churnam	20420	" 23	2871 11.1	"	3.	3828 12.	
Arch work	1256 $\frac{1}{16}$	" 3.	235 82	"	38	2871 137	
Running feet of columns	1458	" 15.	1366 14.	"	-	1366 14.	
Serracing	12509 $\frac{11}{16}$	" 22 13.	2853 124	"	27 8	3440 27	
Plastering	35443 $\frac{1}{4}$	" 2.	708 1310	"	2 10	930 62	
Teakwood	1962 $\frac{3}{4}$	" 4.	7851	"	3 12	7360 5.	
Ventian Doors & etc	42	" 48.	2016	"	-	2016	
" Windows & etc	16	" 35.	560	"	-	560	
Contingencies & Sundries	"	-	1846 47	"	-	1479 108	
Total			20310			21270	
Total for Lower Story			28260			35170	
Grand Total			48570			56440	

Net increase Rs 7870-0-0-

A. F. Wake Capt R.E.
 Supr Engineer 6th Div

Supr Eng's Office 6th Div
 Tanjore 19th December/68

Supt. Engineer's Office 6-12
No 1012 Tanjore 19 December 1868

From
Captain R. F. Oakes R.E.
Supt. Engineer to the
to
Colonel C. A. O. R.E.
Secy to Government P.W.D.

received 5-
12-68
Tanjore
19 Dec 68

Sir, I have the honor to inform you
that the Estimates for the Court House
and Travellers Bungalow at Tanjore are
likely to be exceeded, and I enclose Com-
parative Statements showing the increase
and their cause.
2. Owing to the rise in prices of
labor and materials of late years in Tanjore
consequent upon the greater demand by
the Railway Department, the Municipality
and others, and to the heavy charges by the
Municipality for Tolls, and to the fact
that Bindies plying in the Town and its
neighbourhood cannot now take out a
Licence but have to pay a Toll of two
Annas, if full, and one Anna, if empty, of
passing into the Town and out, also to
the scarcity of firewood it is quite im-
possible to continue to work now at the
rates which have hitherto prevailed
and I have myself gone most carefully
into the details and have checked the
data

Enclosed in a letter
from the Supt. Engineer
6-12-68 No 1012 dated
19 December 1868.

19 Dec 68
Tanjore 19 Dec 68

Enclosed Statement
showing the original
Estimate and probable
cost of erecting the
Court House at Tanjore.

data from which the rates given in the enclosed statements have been arrived at.

3 The great increase in the cost of the flooring is due to the fact that I propose to introduce a floor consisting of slabs of burnt stone both for the Bungalow and for the Court House under G.O. No. 2881 dated 9th September 1868. As however the stones would be too heavy for the floor of the Upper Story of the Court House, I propose to polish the chimneys very highly and treat that with the comparatively light usage of the upper story the highly polished chimney floor will prove to be lasting; if not, it must be asphalted hereafter and in the meantime little or nothing will be saved by asphaltting the floors of the upper story at once.

4 The excess in the quantities for the foundations of the Bungalow and Court House are explained in the statement to be due to the fact that the foundations had to be carried lower than the estimate provided for. As Contractors could not be obtained to undertake these works, it was necessary that they should be carried out departmentally, and as the Bungalow is much required and the Government were anxious that the Court House should

G.O. No. 52 dated 15th June 1868
15th Sept - 1868
23rd June 1868
No. 1965 - 20th June

be put in hand as early as possible, I placed Mr. Supervisor Mullins in special charge of these works under the Ranger Officer and directed that the work should be pushed on as rapidly as possible, and I permitted Expenditure from the Fort to be used in the foundations as there appeared to be a difficulty about procuring bricks in sufficient quantities and as at the season when the works were commenced the passages from which the brick earth is obtained were liable to inundation - the works were pushed on vigorously, but the rates at which bricks were obtained were not checked and when I returned from a tour in the District in October I found the foundations of both buildings laid and the superstructure in progress and inquiring whether the work was being carried out within the rates, I was informed there was a trifling excess and I directed that statements should be furnished showing the rates at which work was being executed; there was some delay in furnishing these statements on the plea that materials were constantly coming in and being used. At last, however, the bricks began to run short

and those brought to the work spot were not such as should be used in the Buildings and I stopped the work and on going into the Accounts, I found that the Caterite work had cost 2 1/2 Annas per Cubic foot in the Bungalow and 2 1/2 Annas in the Court House; the difference is too great and though I think 2 1/2 Annas per Cubic foot may be paid for the Bungalow work owing to the fact that the stones in the smaller foundation required more dressing than in the larger, the difference of 5 pice per Cubic foot should, I think, be made good by the Supervisor. The Brickwork I found cost 3 1/4 Annas in the Bungalow and 3 1/6 in the Court House and after going carefully into the details, I have come to the conclusion that notwithstanding the use of small bricks and the consequent excess in cost of Churnam, Labor &c the Brickwork ought not to have cost more than 3 Annas had the labor been properly checked; the excess should, therefore, in my opinion, be made good by the Supervisor, and is not included in the Estimate

559 1/2
5 1/2
1 1/5

1250 in. built
1000 to 600 ft.

853-2 at 5 pice - 435-1-6
1051 - 11-9-10
145-9-1
558-5-1

Estimate; if Government permit the amount and furnish Mr. Mullins in some other manner these charges will fall within 5 per cent of the Estimate - for the rest of the work in the lower story of the Court house 2 1/2 Annas are allowed per Cubic foot of Brick in Churnam work, as at this rate the work can be done if full sized bricks are used. - Now if full sized bricks are used for full sized bricks have been made for full sized bricks and will be put in hand as soon as the rains ceases or early next month - The main walls of the Court House have been run up 8 feet high, and the basement of the Verandah and Verandah room is nearly completed - The Bungalow is completed with the exception of the plastering; the roof of the Cook room is in progress and the Piry is not commenced - by the end of January, the Building ought to be ready for occupation - It will be observed that the revised Estimates are smaller owing to items such as levelling, forming approaches, hedging, peeling, Pichly Pear, Wells, &c having been omitted in the original Estimate - The Estimates are as follows;

	original -	Revised.
Bungalow and Out Houses -	5130	7390
Court House -	48,570	56,440
		There.

7. There is no sort of shade or shelter on the site of the Court House or in its neighbourhood and though I have reared a number of Tamarind from seeds in my garden for the Court House Compound it will be long before the trees are large enough to afford shade or shelter and the Civil Judge agrees with me that a shed should be provided for those who are attending the Court and I therefore submit an Estimate for a shed similar to that designed by Mr. C. L. Sholman as an out-house to be attached to the Sub Magistrate's Cutchery, and if approved its probable cost Rs 1330 should be added to the Estimate for the Court House and will bring it up to Rs 57,770.

8. It is probable that a sum of Rs 6000 may be expended upon the Court House in 1868-69 in excess of the allotment of Rs 22,424 already made; this amount will be entered in the Statement of probable requirements and surpluses which will be submitted next month.

9. The amount required to complete the Bungalow may be borrowed

47.8 12555
- 12555
12555
12555
12555

157
borrowed from Local Funds and be provided for and repaid in April -

I have the honor to be
Sir
Your Most Obedt Servant -

A. F. Keble Captain, M.
Superintendent

Public Works Department
No 201

Proceedings of the Madras Government
Under date the 22nd Jan'y 1869
Read the following

From The Sup^r Engineer G. B. H. E. No 1012 dated 19th Decr/68/

With this letter the Superin-
tending Engineer of the 6th Divⁿ
submits, please see Estimates
of Rs 56,440 and Rs 7,390 for
the Court House and the Tra-
veller's Bungalow under
construction at Tanjore,
the original Estimates
of which amounted to
Rs 48,570 and Rs 5,130, respec-
tively. Capt^y Parker states
that

With Rs 18,000 Rs 18,000
The original Estimate
was Rs 48,570
The Sup^r Engineer
to the Secy to Govt.
1st Decr 68.

Dated 19th Decr 1868.
No 1012
Secy: G. B. H. E.

No 201-22 Jan'y 1869

Reports on the ex-
penses on the construction
for the construction of
the Traveller's Bungalow
and Court House at
Tanjore.

that the excesses are due ^{Court House - Rs. 7870.}
^{Traveller's Bungalow " 2260}
chiefly to the rise in the
price of labor and mate-
rials, the foundations
having been carried to a
greater depth than was
allowed for in the first
instance, to the increased
cost of the floors which
are now proposed to
be laid with slabs of
burnt stone, and to
certain items, such as
levelling the sites, form-
ing approaches, hedging,
sinking wells &c, having
been

* Estimate - Rs. 1330

been omitted from the
original estimates.
Under the explana-
tion submitted, the
Govt sanction the revised
estimates, and authorize
the construction of the
shed proposed to be
built in the compound
of the Court House
for the accommoda-
tion of suitors.

In reviewing the causes
of the excesses, the Super-
intending Engineer re-
presents that, on exami-
ning the accounts connected
with

with the works, he found
that the laterite stonework
for the foundations of
the Bungalow had cost
 $2\frac{2}{3}$ Annas per cubic foot.
This he considers a
higher rate than the
work ought to have
cost, and gives it as
his opinion that it
might have been done
for $2\frac{1}{4}$ Annas per cubic
foot, showing a differ-
-ence of 5 Pies, which
on $5,591\frac{1}{4}$ cubic feet
of stone actually
paid

laid, amounts to Rs 145-9-9.
Captain Oakes further
states that brickwork
for the Court House and
the Bungalow cost $3\frac{1}{6}$ and
 $3\frac{1}{4}$ Annas per cubic foot
respectively, but that
on careful examination
of the details, and making
due allowance for the
use of small bricks and
the consequent increase
in the cost of chunam,
labour &c., he is of opinion
that the work ought
not to have cost more
than

than 13. ... Amas per
cubic foot, and he
accordingly recommends
that the excess on this
account viz. Rs 311-4-3
(and not Rs 212-11-4
as stated by him)

together with the sum of
Rs 145-9-9 referred to
above, should be made
good by Mr. Supervisor
Mullins, who having
charge of the works,
has with the Suptg Engrs
Mullins, exercised a
proper supervision
over

Court House - 17,057 at 2 Pies. Rs 177-9-10
Bungalow - 8,537 $\frac{7}{16}$ at 3 " " 133-6-5
Rs 311-4-3

unplanned. It seems clear that
the work, so far as it has
yet been completed has
cost more than was ne-
cessary had it been
properly managed but
unless the Superintending
Engrs can show that this
has been due to wilful
inattention or negligence
on the part of the sub-
ordinate in immediate
charge of it, the Govt are
not prepared to hold
him pecuniarily responsi-
ble. Mr. Mullins has
had

had comparatively little
experience in building op-
erations on so large a
scale as that on which
the works connected with
the erection of the Court
House and Travellers
Bungalow are carried
on, and as it is probable
that the lesson he has
had will not be lost
upon him, the Govt. will
not require him to make
the refund which the
Supergr. Engrs. recommend,
but they desire that
he

has been
in the
charge of the
works.

As the Govt.
are not
satisfied with
the progress
of the works,
they have
ordered the
Supergr. Engr.
to be
removed from
the charge of
the works.

he be admonished, and
warned to exercise more
care for the future.

Para 9 of the Luffg.
Engp's letter will be referred
to the Rev. Dep't for con-
sideration.

W. B.

2
6 The S. Engp 6th Jan
4th Conts of P. W. Accts
3rd Acct to General
2nd Rev. Dep't
1st Just. Dep't
5-5-
Recd 23/1/69

Govt. of 1869 Madras.

PUBLIC WORKS.

To The Superintending Engrs.
to the Cession

Dated

Recd

31

G O 22nd Jan 1869 No 201

Nos. 400-401

For the house 400 at Tanjore.
to revised estimates for
the house & Travellers
accommodation at Tanjore, sanctioning
the proposal to hold the
superior buildings responsible
the excess over the
original estimate for the
work, declined.