M.R.O. 1—77,006—8-6-37.

(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. 885-86
482-484, 485
~~810-812~~

Press
~~Mis.~~

Dated 30-3- 1870.

*Not to be folded or roughly handled*

Read again letter from the Superintending Engineer of the 7th Division, dated 15th October, No. 115, and recorded in G. O., dated 18th November 1869, No. 3,679.

Read also the following :—

No. 482. From the Superintending Engineer, 7th Division.

(Here enter No. 184, dated 15th February 1870.)

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No. 483. From the Superintending Engineer, 7th Division, to the Secretary to Government, Public Works Department, dated Coimbatore, 22nd February 1870, No. 199.

With reference to paragraphs 2 and 3 of G. O., No. 3,349, of 18th October 1869, I have the honour to forward, for the sanction of Government, the following plans and estimates :—

| | | | Rs. |
|---|---|---|---|
| Plan and estimate, | No. 40 | ... | 1,840 |
| Do. | ,, 39 | ... | 1,760 |

| | | Rs. |
|---|---|---|
| 1. | Estimate for erecting Servants' quarters and Gram-boiling shed for the Principal of the Lawrence Asylums at Ootacamund, with plan ... ... ... | 1,840 |
| 2. | Do. for constructing two Cook-rooms for the Masters of the Lawrence Asylums, with plan ... ... | 1,760 |

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No. 484. Order thereon, 30th March 1870, No. 885.

MILITARY WORKS, No. 10.

Ordered that the sanction of the Government of India be applied for to the undermentioned estimates :—

| | Rs. |
|---|---|
| Revised estimate for the construction of the Male branch of the Lawrence Asylum at Lovedale... ... | 4,96,475 |
| Estimates for the erection of out-houses to the quarters of the Principal and Masters of the do. do. ... ... | 3,600 |

(Here enter No. 886, dated 30th March 1870.)

(True Extract.)

(Signed) CHARLES A. ORR, Colonel, R. E.,
*Secretary to Government.*

To the Superintending Engineer, 7th Division.
,, Controller of Public Works Accounts.
,, Educational Department.

Exd. A. S. Rodgers.

PUBLIC WORKS DEPARTMENT,
FORT ST. GEORGE, 30*th March* 1870.

No. 485.

No. 886.

To

THE SECRETARY TO THE GOVERNMENT OF INDIA,

PUBLIC WORKS DEPARTMENT.

MILITARY WORKS, No. 11.

SIR,—With my letter of the 21st October 1868, No. 3,331, I had the honour, by direction of His Excellency the Governor in Council, to submit revised plans with estimates amounting to Rupees 3,94,137 for the construction of the Male branch of the Lawrence Asylum at Lovedale, and the sanction of the Government of India to the proposed expenditure was communicated in your letter dated 24th March 1869, No. 290-M.

G. O., No. 3,679, 18th November 1869.
,, ,, 136, 11th January 1870.

2. I am now to forward, with the papers as per margin, a further revised estimate of Rupees 4,96,475 exhibiting a probable excess of Rupees 1,02,338 over the amount sanctioned, and I am to express the regret of this Government that, when submitting the former estimate, a doubt entertained by Mr. Chisholm of the sufficiency of the rates on which it had been framed was overlooked, although he had stated that those rates had been adopted from the original estimate and appeared to him low for the superior work for which he had provided.

3. It will be observed that, notwithstanding a difference of opinion between the Architect and the Executive Officer in charge of the work as to the cause of the estimate as prepared by the former being found so greatly insufficient, an examination of the comparative statement furnished by the latter officer shows that the reason of an excess outlay being required to complete the building is due not to any special ornamental peculiarity of its design, which is as simple as a moderate regard to architectural effect would permit, but to the cost of both brick and timber work having been under-rated; to timber having been substituted for stone slabs in the construction of the floorings; to a lining of continuous iron sheeting having been placed under the tiles to ensure the roof being perfectly water-tight in the wet and exposed climate in which the Asylum is located; to a confessedly under-estimate of the cost of erecting the out-houses; and lastly, to the omission of the undermentioned items which have had to be supplemented to the estimate:—

| | RS. |
|---|---|
| Wrought-iron finials ... ... ... ... ... ... ... | 661 |
| Lightning conductors ... ... ... ... ... ... ... | 700 |
| Rain-water pipes ... ... .. ... ... ... ... ... | 762 |
| Sheet lead for gutters and baths .. ... ... ... ... | 3,676 |
| Stone .. ... ... ... ... ... ... ... ... ... | 2,068 |
| Iron rods in tower for cross ties ... ... ... ... ... | 450 |
| Woodwork in do. for cross bracing ... ... ... ... ... | 1,000 |
| Whitewashing interior of the building ... ... ... | 1,299 |
| Total... | 10,616 |

4. Owing to machine-made bricks of a better description than the hand-made bricks ordinarily employed having been used, the cost of the superior brickwork of the building has been Rupees 50 per one hundred cubic feet instead of Rupees 45, the price allowed in the estimate. This has caused an excess of Rupees 29,926 on the main building alone, besides having led to the enhancement of the cost of the out-buildings to an extent which has not been precisely ascertained.

5. The substitution of timber for stone for flooring, in consequence of the impossibility of procuring the services of a sufficient number of stone-cutters, though an undoubted improvement, accounts for a further excess of Rupees 18,990, while the addition of a lining of continuous iron sheeting to the roof has cost Rupees 13,503. These four sums account for Rupees 73,035 of the excess, while the remainder is due to the rates allowed in the estimate for the carpentry of the doors and windows, and indeed of all the timber work, having been too low for the finished style in which it has been executed.

| | Amount of excess. |
|---|---|
| | RS. |
| Omissions in the estimate ... ... | 10,616 |
| Brick work of the main building ... | 29,926 |
| Teakwood flooring ... ... ... | 18,990 |
| Tiled roofing ... ... ... ... | 13,503 |
| Total ...: | 73,035 |

6. Although the Government have not failed to express their displeasure at having been left so long uninformed of the likelihood of the estimate for the Asylum proving insufficient, His Excellency the Governor in Council sees no reason to believe that there has been anything wanting on the part of the officers entrusted with the work to ensure its being carried out with proper economy so far as was consistent with a due regard to stability, and, under the explanation now afforded, His Excellency in Council trusts that the sanction of the Government of India will be accorded to the revised estimate, of which Rupees 4,76,390 have already been expended in advancing the building so far towards completion as to allow of its being made ready in the course of a few months, after funds are allotted, for the reception of the full number of boys whose final transfer from Madras is very desirable.

7. I am also to request the sanction of the Right Honourable the Governor-General in Council to the accompanying estimates of Rupees 3,600 for the construction of out-houses to the quarters of the Principal and Masters of the Asylum.

I have the honour to be,

Sir,

Your most obedient servant,

Colonel, R. E.,

*Secretary to Government.*

Exd. A. S. Rodgers.

No 132

Military Board Office

Ootacamund 20th Sept 1869.

To

The Superintending Engineer

of Divisions

Forwarded

Engineer

The Com-

Secretary to Government

Fort St. George

No 199

Supdg. Engr's Office 7th Div.

Coimbatore 22d February 1870.

From

Colt G. W. Walker R.E.

Supdg. Engineer 7th Div.

To,

Colt C. A. Orr R.E.

Secretary to Govt of M.

Sir,

With reference to paras 2 & 3 of G.O. No 3349 of 18th October 1869. I have the honor to forward for the sanction of Government the following Plans and Estimates

1. Estimate for erecting ~~Stables, Cook~~ ~~Rooms~~ Servants Quarters, & Gram boiling shed for the Principal of the Lawrence Asylums at Coota. Command in the Plan ——— Rs 1,840.

2. Do for Constructing 2 Cook rooms for the Masters of the Lawrence Asylums with Plan ——— 1,760.

I have the honor to be,

Sir,

Your most obt Servant

G W Walker Colt R.E.

Supdg Engr 7th Div.

Engineer — 4

Estimate No 40 — Rs 1840 —

Plan No 39 — 1760 —

2 Plan No 1

Cost Rs 6 per 100 cft.

Cover clay the great difficulty

Expenditure obtaining stone Letters must

The great length of time required for the

4. Owing to machine-made bricks of a better description than the hand-made bricks ordinarily employed having been used, the cost of the superior brickwork of the building has been Rupees 50 per one hundred cubic feet instead of Rupees 45, the price allowed in the estimate. This has caused an excess of Rupees 29,926 on the main building alone, besides having led to the enhancement of the cost of the out-buildings to an extent which has not been precisely ascertained.

5. The substitution of timber for stone for flooring, in consequence of the impossibility of procuring the services of a sufficient number of stone-cutters, though an undoubted improvement, accounts for a further excess of Rupees 18,990, while the addition of a lining of continuous iron ~~Amount~~ ting to the roof has cost Rupees

Omissions in the estim
Brick work of the mai
Teakwood flooring
Tiled roofing ...

timber work, hav
executed.

6. Although
having been left
Asylum proving i
to believe that the
with the work to
consistent with a
His Excellency i
be accorded to t
expended in adv
being made read
reception of the
desirable.

7. I am al
General in Cour
struction of out-b

Exd. A. S. Rodgers.

No. 483
C. H. March 1870 D. 21st

No. 132

Whitbeny Range Office
Dated 20th Sept 1869

The Superintending Engineer
4th Division

Sir,

I have the honor herewith to forward a revised Estimate for the Lawrence Asylum Male Branch

2. It will be observed from the comparative statement that the excess of Rs 29,926-9-7, is on account of more brick work than that estimated for having been found per necessary, and from the use of good machine made Bricks, costing very much more than ordinary Bricks - the former not being recommended to the superior kind of Brickwork required of them, the labor is considerably more than that recorded in the Whitbeny Range Abstract and Specification per working at the Asylum has shewn, that 100 ft of Brickwork actually cost Rs 50.

3. Tarr per terbing & painting is based as estimated for by Lt Col Cheetham at the rate of Rs 6 per 100 Sq. ft being the amount allowed in the Rates for the cost of plastering, while the work is actually cost Rs 8 per 100 Sq. ft.

4. Considering the great difficulty experienced in obtaining stone, Letters and the great length of time required for the

Revised Estimate for 1868 of 1869 for

Works Connected with Lawrence, Wiglum, & Male's Branch at Overdale Asylum.

| Quantities | Particulars | Rate | Amount | Total | Quantities | Rate | Amount | Total | Increase | Decrease |
|---|---|---|---|---|---|---|---|---|---|---|
| | Sanctioned Estimate | | | | Revised Estimate | | | | | |
| 4545 C.yds | Excavating foundations &c. Earth work | 4 | 1136 | | 4545 | 4 | 1136 | | | |
| 346½ " | Concrete below foundations | 8 | 2772 | | 346½ | 8 | 2772 | | | |
| 287691 C.ft. | Brick in Mortar including foundations basement & walls above | 40<br>45<br>50 | 11526 3145 | | 292379 | 50 | 146189 | | 29925 | |
| 148509 Sq.ft. | Mortar Plaster 2 Coats | 11/12<br>13/12 | 17191 72 | | 148509 | 11/12<br>13/12 | 17191 72 | | | |
| 61325 " | Face pointing & pointing Extrados | 6 | 3679 8 | | 61325 | 8 | 4906 | | 1226 8 | |
| 14847 " | Granite flooring | 80 | 11877 7 | | 2194 | 80 | 1755 32 | | | 10122 65 |
| 48499 " | Sea kwood flooring | 103<br>135 | 60507 25 | | 61152 | 130 | 79499 97 | | 18990 72 | |
| 4347 " | Terrace Roofing | 120 | 5216 65 | | 4347 | 120 | 5216 65 | | | |
| 44271 " | Slated Roofing | 136 | 60292 42 | | 44271 | 136 8 | 60429 88 | | 137 46 | |
| 500 " | Wooden Gallery in Dining Hall | 100 | 800 | | 500 | 200 | 1000 | | 200 | |
| 2392 " | Venetians over Cornices between Dormitories | 2 8 | 5980 | | 2392 | 3 4 | 7774 | | 1794 | |
| 48 " | 1 Sea kwood Gate | 13 4 | | | 1 | 200 | 200 | | | |
| 102 " | 8 Doors | 6×8½ | | | 42 | 120 | 5040 | | | |
| 946 " | 43 Windows | 4×5½ | | | 44 | 80 | 3520 | | | |
| | | | | 272351 42 | | | 327682 | | 65639 | 43101 22 65 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 272,3514 2 | | | | 337862 | | 66,0749 | 1/2 |
| 1845 | Sqft. | 20 | Windows | 3x4½ | | | 414 | 30 | 12420 | | |
| 289 | " | 1/2 | Doors | 5½x7½ | | | 4 | 130 | 520 | | |
| 52 | " | 2 | do | 3½x7½ | | | 8 | 70 | 560 | | |
| 2332 | " | 36 | do | 3½x6½ | | | 24 | 60 | 1440 | | |
| 624 | " | 8 | do | 3½ | | | 38 | 60 | 2280 | | |
| 650 | " | 25 | do | 6x6½ | | | 35 | 75 | 2625 | | |
| 1429 | " | 9 | Windows | 3x5½ | | | 18 | 55 | 990 | | |
| 24 | " | 1 | Sowle Window | 6x6 | | | 1 | 90 | 90 | | |
| 840 | " | 14 | School room Windows | 8x10 | | | 14 | 110 | 1540 | | |
| 54 | " | 3 | Dining room do | 3x6 | | | | | | | |
| 198 | " | 6 | Windows | 6x6½ | | | 8 | 85 | 680 | | |
| 48 | " | 2 | Dormitory Windows | 3x8 | | | | | | | |
| 288 | " | 6 | Sweet do | 6x8 | | | 9 | 70 | 630 | | |
| 30 | " | 2 | Dining room do | 5x6 | | | 55 | 25 | 1375 | | |
| 93 | " | 3 | Library do | 6x7½ | | | 3 | 70 | 210 | | |
| 180 | " | 12 | Second floor do | 3x5 | | | 3 | 55 | 165 | | |
| 1080 | " | 16 | Dining Hall do | 6½x15 | | | 16 | 240 | 3840 | | |
| 264 | " | 24 | Tower do | 2x5½ | | | 24 | 30 | 720 | | |
| 391 | " | 6 | Belfry do | 8½x8½ | | | 5 | 330 | 1400 | | |
| | | 1 | Oval Window to Principal Stair | | | | 1 | 500 | 500 | | |
| | | | Dining Hall Gable Windows | | | | 12 | 10 | 120 | | |
| | | | Sweet Windows | | | | 12 | 40 | 560 | | |
| 8454 | Sqft. | | Doors & Windows at above | | 2 | 2 | | | 15585 | | 17964 |
| | do | | Window Railing in said Vestibule | | 20 | | | | | | |
| | do | | Corner Rack in Parlor | | | | | | | | |
| 368 | " | | do do (Cupboard) | | 12 | 276 | | | | | 276 |
| 102 | " | | Matchboarding | | 2 | 204 | 102 | 2 | 216 | | |
| 3 | Sqo | | Principal Wooden Staircase | | 500 | 1500 | 3 | 700 | 3780 | | 600 |
| 7 | " | | Common do | | 350 | 2450 | 7 | 420 | 2940 | | 490 |
| 1 | " | | do do to Gallery | | 300 | 300 | 1 | 400 | 400 | | 100 |
| 2 | " | | do do 6th Floor | | 300 | 600 | 2 | 400 | 800 | | 200 |
| 384 | Rft | | Granite Sleets | | 2 | 768 | 909½ | 3 | 2758 | 8 | 1790 8 |
| 8 | Sqo | | Iron Pillars for School Rooms | | 554 | 4432 | | | | | |
| 4 | " | | do for Tower | | 180 | 720 | | | 5551 | | 2001 |
| 16 | " | | Wrought Iron Girders for Refectory | | 150 | 2400 | | | 4611 | | |
| 12 | " | | Granite Slabs under Iron Pillars | | 7 | 84 | 8 | 9 | 72 | | 12 |
| | | | Glazed Tiles round Exterior of Building | | | 10000 | | | 10000 | | |
| | | | Ephalabia in Tower in Carpenters | | | 600 | | | 1010 | | 500 |
| 400 | Rft | | Tables for Class rooms | | 3 | 1200 | 400 | 3 8 | 1400 | | 200 |
| 400 | " | | do for Dining Hall | | 3 | 1200 | 400 | 3 8 | 1400 | | 200 |
| 4 | Sqo | | Decks Complete with raised Claw & Seats | | 40 | 160 | 4 | 50 | 200 | | 40 |
| 1140 | Rft | | Shelves Wooden | | 1 8 | 1710 | 1400 | 2 | 2800 | | 1090 |
| 200 | " | | Brick shelves | | 1 8 | 300 | 200 | 2 | 400 | | 100 |
| 400 | Sqo | | Iron Coils | | 20 | 8000 | 400 | 20 | 8000 | | |
| 200 | " | | Hat pegs | | 8 | 200 | 400 | 8 | 200 | | |
| 1 | " | | Call Bell | | | 225 | 1 | 400 | 400 | | 175 |
| 700 | " | | Wooden Boxes with Iron Clamps | | 10 | 7000 | 700 | 10 | 7000 | | |
| 1 | " | | Cockerill Complete | | | 5797 8 | 1 | | 7783 101 | | 1986 21 |
| 1 | " | | Patent Universal Jack do | | | 4615 | 1 | | 9013 93 | | 2398 93 |
| | | | | | | 348,2188 2 | | | 427808 94 | | 93,2637 7/8 72 65 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 348 | 21 | 82 | | 427 | 80 | 94 | 93 | 26 | 27 | 13 | 67 | 265 |
| X | do | Wash House | | 30 | 85 | | 1 | | | 104 | 10 | 42 | 23 | 25 | 142 | |
| b | " | Night Privies | | 12 | 15 | 8 | 6 | 11 | 22 | 8 | 67 | 35 | 55 | 19 | 8 | |
| | | Covered Passages | | 52 | 67 | 8 | | | | | 80 | 57 | 14 | 25 | 89 | 91 |
| | | Interior fittings to Out houses | | 92 | 04 | | | | | | 92 | 04 | | | | |
| | | Finial Wrought Iron detail attached | | | | | 4 | | | | 6 | 61 | | 6 | 61 | |
| | | Lightning Conductor | | | | | | | | | 7 | 00 | | 7 | 00 | |
| | | Rain Water pipes Cast Iron | | | | | | | | | 50 | 85 | | 50 | 85 | |
| | | do do Iron pipes | | | | | | | | | 25 | 4 | | 25 | 4 | |
| | | Lead Sheet for Gutters & Valleys | | | | | 14707 | lbs | 4 | | 367 | 62 | | 367 | 62 | |
| | | Stone Detail attached | | | | | | | | | 20 | 68 | | 20 | 68 | |
| | | Iron Rods in Tower for Cross &c &c | | | | | | | | | 4 | 50 | | 4 | 50 | |
| | | Wood Work in do for Cross bracing | | | | | | | | | 10 | 00 | | 10 | 00 | |
| 53 | ft | White Washing the whole interior of Buildings | | | | | 148509 | | 14 | | 129 | 73 | | 129 | 73 | |
| | | | | 172 | 90 | 82 | | | | | 457 | 33 | 18 | 143 | 14 | 58 | 6 | 72 | 65 |
| | | Sundries | | 18 | 68 | 7 | | | | | 28 | 61 | 03 | | 47 | 35 | | | |
| | | Total Estimate Rs | | 391 | 59 | 52 | | | | | 486 | 94 | 21 | 119 | 85 | 34 | 13 | 67 | 65 |

Executive Engineer's Office
Nellgherry Range
Ootacamund 20th September 1869

Executive Engineer

Executive Engineer

Chief Engineer & Secretary to Government
Public Works Department

Colonel G. F. Muller R. E.
Chief Engineer & Secretary to Government
Public Works Department

Colonel C. H. Carr R. E.
Secretary to Government

Sir,

I have the honor to submit for the information of Government and the sanction of the Secretary of State, the accompanying Estimate for the construction of a Church at Ootacamund.

Enclosures.

1 Complete Estimate.
1 Detail Drawings.
1 Specification.

Ootacamund 20th September 1869.

I have the honor to be
Sir
Your most obedient Servant
Executive Engineer

136 sft Plastering

Same amount to be executed as the above

Should circumstances render it necessary to make any changes in the Estimate, with the sanction of Government, the Executive Engineer will be authorized to do so, provided the total cost does not exceed the amount of the Estimate.

Memorandum Relative to the Church Estimate for Ootacamund, &c

Memorandum that the Estimate, explanatory Memorandum, Specification and Drawings for the Church at Ootacamund have been submitted for the sanction of Government.

Should circumstances render it necessary to make any changes in the Estimate, with the sanction of Government, the Executive Engineer will be authorized to do so, provided the total cost does not exceed the amount of the Estimate.

Ootacamund 20th September 1869.

Executive Engineer

3. Should also much valuable stone be found in the excavations for the foundations of the Church, it will be used in the building, which will save much expense in carriage, &c.

Executive Engineer

Specimen of Bricks, Lime, and Stone will be submitted to Government.

Executive Engineer

Supdt. Engineers Office, 2nd Div.
Coimbatore 15th February 1870

No 184.

From,

Colonel G. F. Mallet R. E.

Supdt. Engineer 2nd Circle

To,

Colonel C. A. Orr R. E.

Secretary to Government &c &c

Sir,

I have the honor to forward herewith information of Government on the subject of their order No 3679 of 18th November and 2nd No 136 of 11th January.

2. I am unable to recommend the granting of any thing beyond what the former Orders authorize, with the exception of Rs 226 of Calculation for submitting Mode Estimate for Kanetiam, as I learn that the Chief Engineer informed Government that it was would probably be found unsufficient. that with the following Estimate for the Year 1868-69, viz "The Estimate for the Portions of the Anicut for Anaikatty, Kaveri, Kurnool to be very minutely "Circle and as far larger outlay than was "anticipated will be required to complete it" 3. I must also most respectfully "recommend that the Estimate which was

Enclosures.

1 Communication Schmidt.
1 Do Estimate letter No 132 dated 20th Feb 1869.
1 Schedule of Rs 21120 A. R. December 1869.

Rs. 1,92,907-13-0

Rs. 1,92,907-13-0

Rs. 1,92,907-13-0

prafsed through my Office. Year since my office
more ever been visited at the Penn from India
they are drawn up. I am fully prepared to
accept all responsibility that can legitimately
be fixed on me; but would, with all respect
and humility, point out that Government can
not justly expect me to advocate some of the
functions of my office with respect to particular work, and retain others. Para 2 of
G.O. No 1760 of 5th June 1866 (the issuing of the letter
wherein I made a final effort to maintain
my position as Superintending Engineer with
reference to these buildings) was never acted
on, and Mr Chisholm's communications were
made direct to Government or to the Secretary
Executive Officers; to whom he repudiated the
idea of my having any control over his
papers. I continued to visit the buildings
whenever in Cotacammd, with reference
to occasional orders of Government, and as the
medium of communication between the Exec-
cutives and Government. But I interfered
in no way with the progress of any build-
ing but the Hospital which was built
on the original Plans. It was indeed
with the utmost surprize and dissatisfac-
tion that I observed the hand to mouth
way in which the Executive Officers con-
sented to work on Mr Chisholm's fragments
of plans, without Estimate; feelings which
I have often expressed to them on the spot.
The state of affairs and my position with

reference to them are shewn in paras
1 and 2 of a letter from Lieut.-Colonel
Farewell printed with G.O. No 868 of
17th March 1868, and my own letter printed
with G.O. No 1647 of 23d May 1868. See also
para 3 of G.O. No 2038 of 26th June 1868,
G.O. No 2114 of 3d July 1868, para 3 of G.O.
No 2652 of 19th August 1868; all of which
shew the circumstances under which work
was proceeding without complete plans, or
any Estimate whatever. Such papers were
finally supplied to Government and sent up
for Sanction of the Government of India
in October 1868, and Lieut-Colonel Farewell
received duplicate copies of them direct from
Mr Chisholm. But by the 31st December
of the same year the works had so far
progressed that accommodation for 150 Boys
was available, as desired by G.O. No 2157
of 7th July 1868. I was not made acquainted
with the contents of Mr Chisholm's letter to
Government No 226 of 5th October 1868, or with
those of his letter to Lieut-Colonel Farewell
No 229 of 12th October, and was not therefore
officially aware, except from the Kalgherry
Range Progress Reports of 1869 that the
Estimate was being exceeded, a source
of knowledge equally available to Govern-
ment, from the Extracts forwarded monthly
from my Office.

In conformity with my peculiar
position relatively to the Lawrence Asylum Works,

the remarks with which I handed up Lieut Colonel Farewell's letter and Comparative Statement of Excesses, I was estimating, merely roughly, the Excesses in the Coimbatore Church, and I stated that they were to be defrayed by Government. Government, for the reasons clearly given in my letter, has declined to do so, and Mr Chisholm must be the sufferer. I blame no one for this, but I do not consider that the Executive Officers are to blame in consideration of the unsettled state of the work - the Engineer meant to be liberal, and Mr Chisholm, "tenacious" of the beauty of his work - the Engineer meant to criticize Mr Chisholm's "tenacious" style of Architecture, as I see in the Madras papers of the 18th instant, reviewing my Memorandum which I called for. I reckoned on Lieut Colonel Farewell's explanations being taken as to the details of the items of Excess, and am quite ready to own that they shew a third cause in addition to the two adverted to by me, viz, the substitution of Teakwood for Blackwood in some places at greater expense in order to complete the work long before early accustomed time, and the use of Iron sheeting instead of Flat Tiles, also at increased cost, & in conformity with my general statement of the necessities in letter printed with G.O. No 2552 of 21st August 1867. But I never meant one to gather from what I said that the work was not fully worth its cost, and I trust that Government have not arrived at any such conclusion.

simply stated the fact, that whatever be the cause Mr Chisholm is sanguine in his Estimates whether for Talook Cutcherries which were to have cost Rupees 14,000 to Rupees 16,000 (vide G.O. No 3552 of 18th November 1867) but actually average Rupees 25,000, or for the Coimbatore Church of which his Estimate of Rupees 11,500 has been revised to Rs 13,500, exclusive of furniture (see my letter No 129 of 10th October 1868); but no offence was intended to be given by such statement, and I regret that any has been taken.

5 I cannot better give the explanations called for in paras 1 and 2 of G.O. No 136 of 11th January, than by resubmitting Lieut Colonel Farewell's Comparative Statement and Letter No 132 of 20th September, and Extract of another letter No 182 of 16th December. Captain Hankin, now at Madras, could verbally satisfy Government in any details regarding which they may wish for further information. But I am sanguine that, on a final review of all the circumstances, Government will be pleased to exculpate myself and the Executive Officers from blame with reference to the Excess which has necessarily been incurred; and the irregularity in noticing which, is only of a piece with that which has pervaded all proceedings connected with the work. Them, from first to last, cannot be justified,

Public Works Department

No 885

# Proceedings of the Madras Government

Dated the 30 March 1870.

Read again letter from the Supt Surv of the 7th Dist
Octr No 115 and recorded in G O of 13 Nov 1869
No 3679.

Read also the following

From the Supt Survr &c (No 7 - 1874 - 17 Feby 1870)

2nd - Do -

the Lieut-
of India
the under-

Rs
4,96,475

3,600

30 Rupees

the Govt
of India

Sir,

With my letter of
the

Public Works Department

No 885

# Proceedings of the Madras Government

dated the 30th March 1870.

Read again letter from the Supt Engr of the 7th Dn dated 15th Feby No 115 and recorded in G.O. of 19th Nov 1869 No 3679.

Read also the following

From the Supt Engr 7th Dn (W.D.) No 184 dated 15 Feby 1870

" do do " 199 " 22nd " do.

Ordered that the Lancashire of the Govt of India be applied for to the undermentioned Estimates:—

| | | |
|---|---|---|
| The Supt Engr 7th Dn Chief Engr & Secy to Govt Educational Dept | Revised estimate for the construction of the male Branch of the Lawrence Asylum at Coonoor | Rs 4,96,475 |
| Dated 31/3/70 | Estimates for the erection of out-houses to the quarters of the Principal Grand Masters of the do | 3,600 |

H. E. No 886 dated 30th March 1870.

No 886

To

The Secretary to the Govt of India

Sir,

With my letter of the

---

Despatched 15th February 1870

Received 1/3

Disposed of.

Refer to the communications under which the expenditure on the Male Branch of the Lawrence Asylum works executed the annexed covenant

No 885 & 886 - 30 March 1870

No 482

dated 4th March 1870 Q. 214

---

finally taken, how Government be requested to the Supreme Government

Please the Honour to be,

Sir,

Your most obedt Servant,

Signed

For Supt Engr

and Secy to Govt

The Superintending Engr

7th Division

To The Secretary to Govt

Dated

No 1814

the 21st October last 3331.
I have the honour to di-
-rection of His Excellency
the Governor in Council to sub-
-mit revised plans, with
estimates amounting
to Rs 3,94,137 for the con-
-struction of the Male
Branch of the Lawrence
Asylum at Lovedale,
and the sanction of the
Govt of India to the
proposed expenditure
was communicated in
your letter dated 24th
March 1869 No 290 M.

I am now to for-
-ward, with the papers
as per margin,
a further revised

G. O. No 3679 - 18th Nov/69
" " 136 - 11th Jany/70

estimate of Rs 4,96,470
exhibiting a probable exc
of Rs 1,02,338 over the amo
sanctioned and I am t
express the regret of the
Govt that when submitt
the former estimate, a
doubt entertained by
Mr Chisholm of the suffi
-ciency of the rates on whi
it had been framed wa
overlooked, although he
had stated that
those rates had been
adopted from the origi
-nal estimate and
appeared to him low
for the superior work
for which he had

principles [illegible]

It will be observed that notwithstanding a difference of opinion between the Architect and the Executive Officer in charge of the work as to the cause of the estimate as prepared by the former being found to greatly insufficient, an examination of the comparative statement furnished by the latter officer shows that the reason of an excess outlay being required to complete the building is due not to any special ornamental peculiarity of its design, which is as simple as a moderate regard to architectural effect would yield permit, but to the cost of both brick and timber work having been under-rated, to timber having been substituted for stone slabs in the construction of the floorings, to a lining of continuous iron sheeting having been placed under the tiles to secure the roof being perfectly

make light in the rock
and exposed climate
in which the Asylum
is located, to a con-
siderably under-estimate
of the cost of erecting
the out-houses, and
lastly to the non-execution of
the undermentioned items
which have had to be
supplemented to the
estimates.

| | Rs |
|---|---|
| Wrought iron finials | 64 |
| Lightning conductors | 700 |
| Rainwater pipes | 763 |
| Sheet lead for gutters & flats | 3,676 |
| Stone | 2068 |
| Iron rods in stone for cross ties | 450 |
| Woodwork in do for eave facing | 1000 |
| Whitewashing inside of the building | 1299 |
| | Rs 10,676 |

Owing

Owing to machine made
bricks of a better description
than the hand made bricks
originally employed, having
been used, the cost of the
superstructure of the
building for which Rs 90 per
one hundred cubic feet
instead of Rs 45, the price
allowed in the estimate.
This has caused an excess
of Rs 29,926 on the main
building alone, besides
having led to the enhance-
ment of the cost of the
outbuildings to an extent
which has not been pre-
cisely ascertained.

The duties of the Executive of

in the basement for the floor
as in consequence of
the impossibility of pro-
curing the services of a
sufficient number of
stone-cutters, though
an undoubted improve-
ment, accounts for a
further excess of Rs. 18,990,
while the addition of a
lining of continuous
iron sheeting to the
roof has cost Rs. 13,503.
There four items account
for Rs. 73,935 of the excess,
while the remainder is
due to the rates allowed
in the estimate for the
carpentry of the doors

| | Amount of excess |
|---|---|
| Omissions in the estimate | 11,616 |
| Brickwork of the main building | 29,926 |
| Teakwood flooring | 18,990 |
| Tiled roofing | 13,503 |
| | Rs 73,935 |

The Commander-in-Chief
with the Punkah Brigade
having been too slow for
the finished style in
which it had been executed
Although the Govt
have not failed to express
their displeasure at having
been left so long in ignor-
ance of the likelihood
of the estimate for the
Army Clothing proving inade-
quate His Excellency
the Gov. in Council does
not please to believe that
there has been anything
wanting on the part of
the officers entrusted with
the work to ensure its
execution

I have given instructions
for running lines
on the horizontal channels
of the work - the erection
of shutters sufficient
to contain the required

Ca = 659 & 813 &c.

Govt. of Madras. 1870.

PUBLIC WORKS.

The Superintending Engr. 4th Division and To the Secretary to the Govt of India.

Dated

Recd. 2

G. O. 29 June 1870 Nos 885 & 886

Nos. 482 @ 484 & 485

Lawrence Asylum Passing orders on the Estimates of Rs 296.475 and 3,600 respectively for the hale Branch of the Lawrence Asylum at Lovedale and for out-houses & other fixtures of the Principal and Harlow attached to the Institution.

Lawrence Asylum Estimates of Rs 296.475 and 3600 respectively for the hale Branch of the Lawrence Asylum at Lovedale and for out-houses & fixtures of the Principal Charlton attached to the Institution, forwarded & Approved for sanction.

C. 4. March 1870 R. 21st