4369 4a

Govt. of (1884) Madras.

PUBLIC WORKS.

Dated 20/5/84

Recd. Encl.

1299

G.O., 23 May 1884, No. 1299 W
1300 W

Church at Wellington

Ordered that the revised
~~revised~~ as reduced Estimate for
a ——— be forwarded
for the sanction of the
Govt. of India.

55/5 33/1 Church at Wellington

Forwarding for
~~requesting~~ sanction
~~to the revised~~ a reduced
Estimate for a ———
Extra [illegible] Depts

13/5

No. 77 Dd/ May 3rd 1886 PWD

Memo.

No. 109.C / S.W. Dd 16.4.86
" 110.C / S.W. Dd 17.4.86
" 113.C / S.W. Dd 20.4.86

retained by CAV 12/5

With advertence to the letters from the Supdg Engr marginally quoted, the undersigned has the honor to state that orders of Govt on the explanations submitted in regard to the Wellington Church estimates will issue in due course, & that, meanwhile, the Supdg Engr should use his discretion in ordering the completion of such portions of the works as he may consider necessary to protect the Govt from loss.

W
3.5.86

Cr

Despd 3/5/86

S.E. IV Circle

[illegible]

No. 77 Dd/ May 3rd 1886

No. 77 Dd/3.5.86

spection of the
Church.

1. I inspected the Church with the Contractor, Mr. G. N. Groves, on the morning of 7th May.

2. I found the Roofs of the Nave and North aisle had been completed.

3. The roofs of the Baptistry and Porch are also complete.

4. The roofs of the south aisle, and that over the steps leading to the Bell turret, have still to be covered with iron.

5. The Bell turret is complete with the exception of its roof which has still to be fitted up. The roofing materials have been

already fitted together on the ground, and the scaffolding has been erected for putting it up.

6. The brickwork of the terraced roof of the Robing room adjoining the vestry is done, but has to be covered with concrete, flat tiles, and plaster.

7. I informed Mr. Groves that the work to be done should be strictly limited to the completion of the roofing and that all work should then be brought to a complete stand-still. He promised that nothing else should be done; and was of opinion that the roofing would be quite complete within ten days.

Approved.

8. The remaining work

will

will consist of

I. Some wood-oiling & painting

II. Pointing the walls outside.

III. Stopping up scaffolding holes and rubbing down the walls inside.

IV. Glazing the windows.

V. Fitting up doors.

VI. Building the steps leading into the Chancel and into the Sanctuary.

VII. Finishing the Floor.

9. I consider it very necessary the building should be provided with two lightning conductors as soon as possible, one on the bell-turret and the other at the West end of the roof. The Church is a lofty building, in an isolated

exposed position, and must I should say, be specially liable to be struck by lightning. If struck when full of troops the consequences might be most serious.

10. The bell-turret which is the highest part of the building, of course specially needs protection, but there should be a lightning Conductor also at the western Gable end over the Baptistry. The Conductors were not provided in the revised estimate, as they were not in the original estimate.

11. As I do not know how long the complete stoppage of work on the Church may continue I propose that as soon as the roof is finished, all work done to the building should be measured up and a Bill made out at Contract rates simply deducting previous payments; as it would be unfair to the Contractor to retain, during a long stoppage, the ten per cent deductions that have been made from his payments.

Coimbatore
8th May 1886.

J. Beatty - Colonel, R.E.
Superintending Engineer.

Approved.
12-5-86
E.W.

No: 162
E.W.

Received back from the Chief Engineer with Memo: No. 1212 of 12th May 1886 - Note returned.

J. Beatty Colonel R.E.
Superintending Engr. 4th Cir.
17/5/86.

No. 171 Dd/ May 25 1886

Recorded.

21/5/86

25-5-86

Ag. 4/5

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(6)

3847

SUPG: ENGINEER'S OFFICE
NO.
13 MAY. 86
P.W.D.
FOURTH CIRCLE

From,

The Supg: Engineer.
4th Circle

Dated 8th }
Recd 21st } May 1886.

No. 171 Dd/ May 25. 1886

No 136
E.W.

Notes of Inspection of the Wellington Church.

10/5/86

No 25D
5.6.86

(6)

E.W.

Submitted for orders. The notes of inspection referred to are already recorded in No. 171. d. 8 25. 5. 86.

F.B.
28/5/86.

This is another case in which an Ex. Engineer the Nilgiris Divn of 4th Circle appears to have considered that he was acting in accordance with the sanction of the Supg: Engineer.

It seems that when the Supg Engineer inspected the Church, the conductor was already fixed to the west end gable but that Officer states that he did not notice it. The Ex: Engineer also says that he some time ago verbally reported to the Supg: Engineer that the whole of the Lightning Conductor materials had been ordered, but the Supg. Engineer says he has no recollection of the conversation. The Contractors Groves & Co: also wrote to the Executive Engineer to the effect that the Supg: Engineer had ordered the Lightning Conductor to be fixed: but the Supg. Engineer denies that he gave any such order, in fact he says that he told the Contractor that there was no sanction and he could give none. The Ex. Engineer represents the great extra expense that will be incurred if the Conductor is not erected now and as all the materials have been collected it is thought that this had better be done, and this may be taken as work necessary to protect Govt. from loss mentioned in 77 w of 3d May 1886. The difficulty is to provide funds as the work is not provided for in the revised estimate. It will perhaps be well first to call for an estimate for fixing the Conductors.

The

Yes.

There have been such frequent cases of late of misunderstandings on this point in the IV Circle, that it would be well to ask the S.E. to issue special instructions to this effect.

1.6.86

The Ex. Engineer should not have allowed the Contractors to get the materials, but he was no doubt misled by their statement that the Supg. Engineer had ordered them to be fixed.

The Ex. Engineer should in future only act on written orders from the Supg. Engineer.

The Supg. Engineer should be careful to see that written orders on such subjects are given in a clear and distinct manner, so that there is no possibility of his Ex. Engineer's acting under a misapprehension as has apparently been the case, both as regards this work and the Church in the West Coast Division

1/6/86

D.W.

No: 162

(6)

Cy Dev

After action has been taken in the sense of remarks appended to this note, the file may be sent to O O [illegible]

1.6.86

2.6.86

No. 205 D d/ June 5 1886

P. W. Department

Memo

With reference to his No. 171. E. W d/ 25 May /86, the Suptg: Engr: IV Circle is requested to submit with the least practicable delay an estimate for protecting the church at Wellington from lightning.

2. There have been such frequent cases of late in the IV Circle of misunderstandings in connection with the Suptg: Engineer's instructions, that the Chief Engineer considers it desirable to direct that special instructions be issued to all Executive Engineers in the Circle to act only on written orders from the Suptg: Engineer, who will be careful that such written orders are given

in a clear and distinct
manner, so that there may
in future
be no possibility of
such misunderstandings.
~~executive engineers~~
~~acting under a misappre-~~
~~hension in future.~~

2/6/86

5.6.86

Desp^d 5/6/86

(6)

No. 205 D/ of June 5. 1886

Recd 5.6.86

S.E. IV Circle

13th May 1886, No. 1219 W., Public Works.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

Read again—

G.O., dated 6th April 1886, No. 933 W., Public Works.

Read—the following papers:—

From Colonel J. BEATTY, R.E., Superintending Engineer, IV Circle, to the Chief Engineer, Public Works Department, dated Coimbatore, 22nd August 1885, No. 346 E.W.

I have the honor to forward, herewith, for your information, two letters from the Executive Engineer, Nílgiris, regarding excesses expected on the work of erecting a church at Wellington.

2. Under ordinary circumstances I should consider myself justified in sanctioning unavoidable excesses not exceeding in the aggregate 5 per cent. of an estimate, but in the face of paragraph 3 of G.O., No. 1977 W., of 12th August 1884, I think it best to bring to your notice the probability of an excess on the church.

Enclosures.

From Major A. C. SMITH, R.E., Executive Engineer, Nílgiri division, to the Superintending Engineer, IV Circle, dated Ootacamund, 1st August 1885, No. 1258.

I have the honor to report, for your information, that I am constantly finding small errors and omissions in the Wellington church estimate which necessitate deviations and additions with consequent excesses over sanctioned sub-heads of estimate.

2. These though too trivial in themselves to be separately reported on as they occur, will necessitate a rather heavy excess over the total sanctioned amount. But at the same time unless I sanctioned them the work must be stopped.

3. I propose shortly sending in a revised estimate, which must, as above stated, considerably exceed the sanctioned one owing to the abovementioned omissions, &c.

4. I request permission to go on with the work pending the submission of the revised estimate, and meantime assure you that nothing but what is absolutely necessary is being done.

From the same officer, dated Ootacamund, 18th August 1885, No. 1397.

In continuation of my No. 1258, of the 1st August 1885, and with reference to your No. 485 N.I., of 4th instant, regarding the excess on the Wellington church, I have the honor to state that the total excess will be within 5 per cent. on the estimate; so I see no reason why the work should be stopped.

2. I have been given to understand that the Right Reverend the Lord Bishop wishes three extra windows to be placed in the chancel, so I have given orders to have arched recesses built there so that windows may be easily inserted in future.

3. Also, the Chief Engineer and the Lord Bishop both say that the chancel windows are placed too high; so I have given orders to place their sills 2 feet lower.

No. 535 E., Public Works.

The Superintending Engineer will submit, with the least possible delay, a revised estimate for the work, on receipt of which the orders of Government on the subject will be taken.

2. At the same time the Superintending Engineer will make such proposals as may be feasible to effect savings on items not yet commenced to compensate for the unavoidable excesses incurred on items already completed.

3. It should also be stated whether either of the proposed alterations mentioned by the Executive Engineer in paragraph 2 of his letter dated 18th August 1885 will increase the cost of the building.

28th August 1885. (Signed) J. SHAW-STEWART, Colonel, R.E.,
Chief Engineer, P.W.D.

From Colonel J. BEATTY, R.E., Superintending Engineer, IV Circle, to the Chief Engineer, Public Works Department, dated Mangalore, 5th March 1886, No. 71 E.W.

I have the honor to submit, herewith, for sanction, a revised estimate, with one letter from the Executive Engineer, Nílgiris, and fourteen enclosures, of the cost of constructing the Protestant church at Wellington, amounting to Rs. 49,100, showing an excess of Rs. 10,939 over the original sanction of Rs. 38,161.

2. As the original order * enjoined "the exercise of the strictest economy in the execution of the work," the plans and estimate have been most closely adhered to; no work has been allowed, or provided for in the revised estimate, which was not absolutely necessary, and the Consulting Architect, from whose office the original estimate was submitted, has been referred to by the Executive Engineer in every case in which there was any doubt.

* G.O., No. 1977 W., of 12th August 1884.

3. The revised estimate is accompanied by a comparative statement and a report with appendices. These give full particulars of the excess, and show that it has been entirely due to omissions, errors in computation and measurements of the original estimate, and to the insufficiency of some of the rates provided.

4. It will be observed from appendix B attached to the report that the largest excess, Rs. 2,740, is on cutstone work, and this was owing to the omission in the estimate of 427 cubic feet, and to the low rate provided for this class of work. Another heavy item of excess, Rs. 2,377, was on iron and felt for roofing, obtained through the Secretary of State.

5. You are aware that the building has been carried out by contract, on the most favorable rates that could be obtained and which are believed to be very reasonable for that locality, while the work has been thoroughly well done and is very creditable to the contractors, Messrs. Groves and Company of Coonoor.

6. It is now found that the following works, for which no provision whatever was made in the sanctioned estimate, are very necessary :—

I. Fencing and gravelling the church compound.
II. Providing a lightning conductor.
III. Constructing a road of approach.
IV. Providing a bell.

But as the excess on the original estimate is so heavy, I have thought it best these should form the subject of a supplemental estimate, which may be dealt with separately.

7. In accordance with previous orders, nothing has been provided for flooring or interior plaster.

Enclosure.

From Major A. C. SMITH, R.E., Executive Engineer, Nílgiri division, to the Superintending Engineer, IV Circle, dated Ootacamund, 12th February 1886, No. 2819.

I have the honor to submit, herewith, the revised estimate for the Protestant church at Wellington.

2. The delay in doing so has occurred on account of the complex nature of the work; and of the many omissions, trifling though intricate, in the original measurements; and in the fact that many of these were taken out very roughly.

3. I regret that the total excess amounts to so large a sum. At one time I thought that the excess would probably not exceed Rs. 3,000, but as the work proceeded and details were more thoroughly gone into, discrepancies kept on cropping up between plan and estimate.

6-2-6-86

Nothing has been done on the work which was not strictly essential, and even now, under the orders of Government of India, nothing has been provided for flooring or interior plaster.

4. I have annexed a report to the estimate which explains concisely the larger excesses, and which it will be found expedient to read prior to wading through the long array of figures in the comparative statement. The appendices A and B and the remarks thereon embrace all the principal excess and fully explain the causes thereof.

5. In conclusion, I have to state that owing to the restriction on the expenditure having been ordered, I have confined the same strictly to essentials and nothing short of stopping the work in an incomplete state would have prevented the excesses now reported; and which I briefly noticed as being unavoidable in my letter, No. 1258, dated 1st August 1885. The work is now almost complete with the exception of covering the roof with felt and iron and finishing the tower.

From Colonel J. BEATTY, R.E., Superintending Engineer, IV Circle, to the Chief Engineer, Public Works Department, dated Mangalore, 5th March 1886, No. 72 E.W.

As promised in paragraph 6 of my letter, No. 71 E.W., of 5th March 1886, I have the honor to submit, herewith, a supplemental estimate for the following additional works, in connection with the Protestant church at Wellington :—

		RS.
I.	Fencing and gravelling the compound	1,141
II.	Providing a lightning conductor	300
III.	Constructing a road of approach	1,100
IV.	Providing a bell	330
	Contingencies and supervision	219
	Total ...	3,090

2. The lightning conductor and bell are indispensable, and urgently necessary; the latter because it must be fixed in the tower, now in course of construction, before the top is put upon it, and the former can of course be put up at less cost now than at any later period. I request permission therefore to provide the bell and lightning conductor at once.

Order—dated 6th April 1886, No. 933 W., Public Works.

With his letters above recorded, the Superintending Engineer, IV Circle, submits a revised estimate, amounting to Rs. 49,100, for constructing a Protestant church at Wellington; also a supplemental estimate, amounting to Rs. 3,090, for certain items for which no provision was made in the original estimate, but which are now considered very necessary.

2. With letter, No. 2611 W., dated 15th September 1883, an estimate for the work, amounting to Rs. 49,960, was submitted to the Government of India; but that Government, in their reply, recorded in proceedings, No. 3323 W., dated 22nd November 1883, while admitting the need of a church at the military depôt at Wellington, expressed their inability to sanction so large an expenditure of public funds for the construction of a church to contain 300 sittings. It was intimated that, unless private subscriptions to a considerable amount were forthcoming, the design should be revised so as to effect a material reduction of the cost.

3. A fresh design was then prepared by the Officiating Consulting Architect, the estimate for which amounted to Rs. 38,161. That estimate, although confessedly incomplete in so far that no provision was made for certain essential items, such as flooring, plastering, &c., was believed to be complete and sufficient with respect to all items actually provided for. In sanctioning that estimate, the Government of India, in their letter recorded in proceedings, dated 12th August 1884, No. 1977 W., expressed the opinion that the cost of the church was still very high, and asked that the strictest economy should be enjoined on the officer intrusted with the execution of the work. The Government of India, in the same letter, placed on record that, while the estimate did not provide for the satisfactory completion of the building, no further expenditure of public money would thereafter be sanctioned for completing it. Notwith-

standing those instructions, it is now reported that the church has cost Rs. 10,939 in excess of the estimate. The Superintending Engineer reports that the strictest economy has been observed in the execution of the work, and that the excesses have been unavoidable owing to omissions and errors in the estimate, and to insufficiency of rates.

4. His Excellency the Governor in Council cannot but regard the history of this church as most unsatisfactory. While willing to make due allowance for the difficulties to be met in constructing a building of this description on the Hills, the Government observe that insufficient attention seems to have been paid to paragraphs 1112 and 1114 of the Public Works Code.* The original estimate does not appear to have been framed with sufficient care; but it should have been carefully scrutinised, and the omissions and inadequacy of rates should have been discovered and reported before the work was begun. Or, if this were not possible, they should have been discovered at a very early stage in the progress of the work, which should at once have been stopped by the Superintending Engineer pending the orders of the Government. It was not until the 22nd August 1885, that the Superintending Engineer, in his letter No. 346, reported that large excesses were expected, and in Public Works Department memorandum, No. 535 E., dated 28th August 1885, he was directed to submit, *with the least possible delay*, a revised estimate. He was at the same time requested to submit such proposals as might be feasible to effect savings on items not commenced, and to report whether certain alterations made at the request of the Right Reverend the Bishop would increase the cost of the building. The revised estimate was submitted only on 5th March, or more than six months after the date of the memorandum, and no reply has been given to paragraphs 2 and 3 of the memorandum.

* *Vide* also paragraph 1585.

5. In these circumstances, His Excellency in Council, before submitting the revised estimate for the orders of the Government of India, is constrained to call upon the Superintending Engineer, IV Circle, to show cause why he should not be held personally responsible for the excess expenditure which has been incurred.

6. In the face of the remarks recorded by the Government of India, in their letter, No. 693 M.W., dated 4th July 1884, this Government are unable to recommend, for sanction, the supplemental estimate of Rs. 3,090. With respect to items not provided for in the original estimate, of Rs. 38,161, such as flooring, plastering, fences, &c., it is clear that the Government of India intend that the cost shall be met otherwise than from public funds.

7. The Superintending Engineer will reply to paragraph 5 of this order, and resubmit the revised estimate with the least possible delay.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

Read—also the following papers:—

From Colonel J. BEATTY, R.E., Superintending Engineer, IV Circle, to the Chief Engineer, Public Works Department, dated Ootacamund, 16th April 1886, No. 109C/E.W.

As directed in paragraph 5 of G.O., No. 933 W., of 6th April 1886, I beg respectfully to show cause why I should not be held personally responsible for any excess that may have been incurred on the Wellington church.

2. That building was one of a special kind—architecturally and otherwise different from those the department has ordinarily to construct; but the estimate having been prepared in the Consulting Architect's office, there was no reason at first sight to suppose that, as regards quantities, it was not fairly accurate; and it was not until work had been going on for some months that doubts arose of its sufficiency to meet the cost of the building.

3. The fact that excesses were occurring which could not be met by savings on other items was first brought to my notice by the Executive Engineer, Nílgiris, in his letter, No. 1258, of 1st August 1885. In my reply, No. 485, of 4th idem,* I stated that I could sanction no excesses on the Wellington church, and therefore considered that the only safe course was to stop further progress, pending the submission of a revised estimate, which should be expedited as much as possible.

* Copy herewith.

4. In his letter, No. 1397, of 18th August, the Executive Engineer distinctly stated that "the total excess would be within 5 per cent.;" he never subsequently reported that the excess would exceed 5 per cent., and he never obtained sanction to any excess. I was perfectly astounded when I received the revised estimate, and found that the excess would be about 28 per cent.

5. Your memorandum, No. 535 E., of 28th August 1885, reached Coimbatore on 2nd September 1885, five days after I had quitted the Circle on privilege leave. The officer who acted for me failed to submit the revised estimate, or to reply to paragraphs 2 and 3 of your memorandum; but, nevertheless, on my return from leave at end of November, that memorandum was most unfortunately lost sight of.† In fact, it was not until the receipt of the Government order I am now replying to, that my attention was drawn to it, and I then perused it for the first time.

† Probably because it was *not* marked urgent.

6. According to paragraph 2306 of the Public Works Code, the Executive Engineer is held primarily responsible for affording information in cases of excess. He is bound to report to the Superintending Engineer the fact of the cost of a work being likely to be exceeded, and to *ask for orders*.

7. Your memorandum was communicated to the Executive Engineer immediately on its receipt, and he therein got the *orders* he wanted. He should have seen from that memorandum that he was not at liberty to exceed the sanctioned estimate even to the extent of 5 per cent.; and that the submission of a revised estimate, so arranged as to fall within the amount of the original sanction, was most urgent.

8. The information for framing that revised estimate must have been in the hands of the Executive Engineer, as the work had been more than six months in hand; he had received orders showing the urgent necessity for submitting it; and he was not left without reminders from my office and myself. If any help had been needed for hastening the submission of so urgent an estimate, it would have been supplied him at once; but no such help was ever applied for.

9. I am strongly of opinion that it was the duty of the Executive Engineer on receipt of your memorandum, No. 535 E., of 28th August, to stop all work pending sanction of the revised estimate. In fact, I do not see how else it was possible to comply with your wishes, and at least attempt to prevent excess. It is very doubtful if much of the excess could have been prevented even then; but, by complete stoppage and careful revision, something might have been done.

10. When I returned from leave at end of November, although, as stated above, your memorandum most unfortunately escaped my notice,‡ I was most anxious to prevent the possibility of an excess on the church; and did not fail to remind the Executive Engineer to submit the revised estimate without further delay. It was not, however, received until the middle of February.

‡ Probably because it was not marked urgent.

11. If it be asked why I did not stop the work in December, it must first be remembered that the time to effect any saving was past. The whole building except the turret had been carried up to full height, nearly all the roofing woodwork was up, and all the materials prepared. Besides this, I had no reason to anticipate any considerable excess; the Executive Engineer had asked for no orders, and had made no further report. Moreover, I had not seen your memorandum.

12. I find that the outlay on the church to end of March came up to the amount of the sanctioned estimate; and that liabilities have been incurred in excess of the original sanction. This was utterly beyond my power to prevent; it was done without my knowledge or sanction, and is in contravention of the well known code rule that no expenditure is to be incurred on any public building without adequate sanction. I relied on the Executive Engineer, as an officer of long service and great experience, taking precautions that at least the work should be brought to a standstill within the existing grant. The idea of his incurring liabilities without any sanction, I was utterly unprepared for.

13. I trust I have shown clearly that short of actually stopping the work, I did all in my power to prevent the very unsatisfactory state of things which has occurred, and which I greatly regret. That stoppage I advised when writing to the Executive Engineer on 4th August, and would certainly have ordered on my return from leave if the Executive Engineer had reported the probability of a considerable excess, or if your memorandum had come to my notice.

14. My defence, then, is simply this. The Executive Engineer was an officer of long service and great experience, well acquainted with the rules of the code, while he had before him the special instructions conveyed in G.O., No. 1977 W., of 12th August 1884, my No. 485, of 4th August 1885, and your memorandum, No. 535 E., of 28th August 1885.

The orders forbade him to incur any excess over the sanctioned estimate, while the code forbade him to incur liabilities without due sanction.

I had no reason to expect that he would ignore rules and orders, and while pushing on the work, delay the submission of the revised estimate, so that it came too late to be of any use in stopping excess.

I do not doubt, however, that the Executive Engineer has what he considers a satisfactory explanation of all this; and I hope he may be able to satisfy you that he was justified in acting as he did.

15. I sincerely regret that the false position in which I am placed compels me thus, in self-defence, to report the apparent shortcomings of an excellent officer; but I see no alternative when I am called on to explain how I failed to check the irregularities that have occurred, and for which I feel that I am not personally responsible.

16. I beg most respectfully to state that I cannot see I am in any way to blame for what has happened. I failed in August last, when alone the mischief of an excess might * to some extent have been averted, to foresee and take precautions against an officer of the Executive Engineer's standing and experience acting in what appears to me the very extraordinary manner he has done; but I am confident that any other Superintending Engineer in the presidency would have done the same. As to an Executive Engineer incurring liabilities without an allotment, that is a contingency that no Superintending Engineer can possibly guard against. An Executive Engineer does it on his own responsibility and at his own risk.

* See paragraph 17.

17. The work of the church has been stopped, and I have called on the Executive Engineer for a statement of liabilities incurred. I have also furnished him with a copy of G.O., No. 933 W., of 6th instant, as there is much in it that he can explain much better than I could owing to his thorough knowledge of the work and its history. I shall also send him a copy of this letter in order that he may reply † to my remarks on his action in the matter.

† See reply herewith sent.

18. With regard to paragraphs 2 and 3 of your memorandum, No. 535 E., of 28th August 1885, which I regret should, under the circumstances above explained, not have been attended to sooner, I have to state—

(1) That some reduction of outlay might have been effected in August last by stopping the construction of the porch, organ-chamber, vestry, and robing rooms and the bell-turret; continuing only the construction of the four walls of the buillding and its roof.

(2) The proposed alterations, mentioned in paragraph 2 of the Executive Engineer's letter of the 18th August 1885 did not increase the cost of the building.

19. I would again specially point out, as I have already done in my letter of 5th ultimo, No. 71, that, in carrying out the work, the sanctioned plan and specification have been most closely adhered to, and no work done that was not absolutely necessary.

There has been no waste of public money in unsanctioned deviations; and the rates paid were those tendered by the contractor and accepted before the work began.

Moreover, if the probability of an excess had been discovered before the contract was entered into with Messrs. Groves and Company, the only suggestion I could have made to cheapen the work would have been the substitution of brick in chunam, plastered in cement wherever practicable, for cutstone; clumsy brick pillars for neatly-dressed stone ones, &c. Such alterations, however, must have seriously injure the appearance of the building, and I doubt if you could have recommended their adoption.

20. Having again gone carefully through the revised estimate with a view to its reduction, I have struck out Rs. 690 under "scaffolding," and Rs. 600 under "supervision and sundries." This latter change leaves only Rs. 100 to cover clearing and levelling the site and supervision and watching until the building is handed over to the Ecclesiastical establishment. The total cost will thus be reduced from Rs. 49,100 to Rs. 47,810; and the excess will now be Rs. 9,649, or a little over 25 per cent.

21. I have now only to remark on the passages in the letters of the Executive Engineer, Nílgiris, herewith sent, Nos. 155 and 156 of 15th instant, which I have underlined. That officer has expressed doubts as to his power, legally, to stop the contractor, except for bad work, delay, or refusing to conform to his instructions; but I have always been of opinion that the "conditions of a schedule contract" provided for this.

Paragraph 6 states "that the contractor is bound to adopt any alteration of the original design which the Executive Engineer may direct in writing." Such alteration may of course amount to a complete stoppage of all further operations.

The contractor would, of course, in such a case have to be paid up in full for all work and materials delivered; the guarantee fund would have to be made over to him; and it would, I suppose, be optional, with him to continue work after the stoppage or not, as he might find convenient.

Government would no doubt incur some loss, but that would be unavoidable.

22. I return herewith the revised estimate and plans, together with the letters of the Executive Engineer, Nílgiris, Nos. 155 and 156, of 15th instant.

Enclosures.

No. 485 M.

MEMORANDUM.

The undersigned has the honor to state that, bearing in mind the strict orders regarding economy given in G.O., No. 1977 W., of 12th August 1884, and in the orders of the Government of India printed with it, the undersigned can sanction no excesses on the Wellington church; and therefore considers that the only safe course is to stop further progress pending the submission of a revised estimate, which should be expedited as much as possible.

(Signed) J. BEATTY, Colonel, R.E.,
Superintending Engineer, IV Circle.

Coimbatore
4th August 1885.

From Major A. C. SMITH, R.E., Executive Engineer, Nilgiri division, to the Superintending Engineer, IV Circle, dated Ootacamund, 15th April 1886, No. 155.

With reference to your endorsement, No. 105 C/N.I., of 12th April 1886, on G.O., No. 933 W., of 6th April 1886, regarding the excess on Wellington church, I have the honor to make the following remarks according to your request.

1. In the first place I respectfully submit that it was no business of mine to scrutinise an estimate which was sent to me for execution duly sanctioned by Government, especially as this

estimate had been prepared by the Consulting Architect, an officer much more competent than I to deal with such complicated buildings as this church, and I should have considered it great presumption on my part not to have taken for granted the accuracy of an estimate put before me in this way; of course these remarks refer solely to the *quantities*. As to the rates, whether or no, those of the sanctioned estimate were correct, does not, I respectfully submit, seem to me to be the question. The rates at which the work was carried out were strictly in accordance with those tendered by the contractors and sanctioned by the Chief Engineer. Moreover, I have to point out that the excesses from higher rates are a mere* trifle as compared with those arising from erroneous calculations and measurements in the estimate.

2. Thus assuming, as I believe I was perfectly justified in doing, that the estimate was correct, I quite saw my way to carrying out the work within the sanctioned amount. I may here remark before quitting this part of the subject that I was ordered to charge Rs. 400 against "contingencies," being the amount of an honorarium paid to one Mr. Rea for, as I imagined, checking the plan and scrutinising the estimate in Mr. Chisholm's office; this fact would have set my mind at rest supposing I had entertained the smallest doubt as to the accuracy of the estimate. Of course, I did not suppose there could be no *omissions*, for it is perfectly impossible to foresee everything in a work of this character, but I concluded that any small omissions could be met, as they were discovered, from contingencies.

3. As I had foreseen, omissions began to be discovered as the work progressed, and slight as they were yet by August I found they were likely to mount up, and so I addressed you in my No. 1258, dated 1st August 1885, reporting this fact; to this you replied in your memorandum, No. 485 N.I., dated 4th August 1885, suggesting that work should be stopped, to which I replied in my No. 1397, dated 18th August 1885, stating that the excess would be within 5 per cent. and that "I saw no reason why the work should be stopped."

4 The work was carried on accordingly, and in due course I received endorsement, No. 557 N.I., of 2nd September 1885, on the Chief Engineer's order, No. 535 E., dated 28th August 1885, simply ordering me to get a revised estimate in without delay. I must confess I was to blame for not drawing the particular attention of the then Acting Superintending Engineer to the peculiar circumstance of the case, but it must be remembered I still had no reason to doubt the actual accuracy of the estimate, and I still believed that, as already reported, all excesses would be within 5 per cent.; nothing had cropped up to cause me to alter my opinion. Had I *then* discovered as I afterwards did (as the revised estimate was in course of preparation) the very grave errors in the *quantities*, I might probably have recommended the stoppage of the work. But let me pause here to ask you to consider what our position really was at this date, viz., 10th September 1885. We had signed a contract by which, as far as I understand such bonds, the contractors were bound to complete their work by 31st March 1886, and *they could only be prevented from carrying on their work by the discovery of bad or faulty work on their part*; and unless Government were prepared to indemnify the contractors *(who could sue for the full amount of the estimate)* for all losses they would have incurred, they could not have stopped the work.

Again, by this time the outer walls were up and the arches were going on in the nave; nearly all the materials were ready; all the stores or nearly all had been received from England; the contractors had all the doors and windows and nearly all the roof timbers ready and nearly all the cutstone work; so had the work been now stopped what would have been the use or profit of it to Government. It would have been impossible then to have effected any saving on any item not yet commenced, as materials for all items were more or less ready.

5. Thus, then, even supposing I had discovered the egregious errors of measurement in the estimate, I think I would have been justified in exercising the discretion allowed to Executive Engineers in paragraph 301, Public Works Code, and in recommending that the work should be allowed to go on, for certainly the eventual loss to Government would have been greater had the work been stopped, and we should have had on our hands a lot of material utterly useless for any other purpose and an unfinished building in a very prominent position.

6. When, however, I began to revise the estimate so many alterations were found necessary that I deemed it better to revise the whole and remeasure everything from basement to roof and take out the quantities quite independently of the original estimate. Of course, all this took time and it was not till about middle of November 1885, as far as I can recollect, that I first had cause to see that there were very grave errors in the measurements, the principal one being *cutstone*, but the total of this even was not made out until the whole estimate was nearly complete, it was then found to stand at 1,210 cubic feet, valued at Rs. 6,655 instead of as estimated, viz., 783 cubic feet, valued at Rs. 3,915, thus showing an excess of Rs. 2,740 on this item alone.

The other items are all specified in the appendix, so I need not repeat them here; and I only mention this one to show how difficult it was to arrive at any conclusion and how impossible it was to discover the total excess until the whole thing had been carefully gone into from basement to roof, a matter of time.

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* Only Rs. 550.

7. About this time, too, I had occasion to fear further excesses from the amounts of the bills received for stores obtained through the Secretary of State, but the last of these (at least I suppose it is the last) only reached me on 29th March 1886, or one and-a-half months *after I had submitted the revised estimate* and the total excess caused by these bills was Rs. 2,300.

8. By the time the main errors were discovered it would have been simple madness to have stopped the work.

9. I much regret the delay in submitting the revised estimate; although an important work, I saw no reason for letting all other work go to the wall on this account, for the time was gone by (if it ever had arrived) for stopping work on the church; so there was no reason for haste on that score. Considering the complex nature of the work and that I had other estimates, going on, of which notably the Bakery was giving me some trouble, I do not think that five months, the time actually taken, was excessive. The measurements were most intricate and every care was taken that the revised estimate should include every possible item.

10. I also regret that in submitting the revised estimate paragraphs 2 and 3 of Chief Engineer's memorandum No. 535 were not replied to, as they escaped my memory; but as above pointed out, owing to the materials having been nearly all collected and the best part of the design having been completed, it would have been impossible to have effected any savings on items not yet commenced; and as regards the insertion of recesses and lowering the windows in the chancel, the excess caused by these was practically *nil.*

11. The only savings I could effect have been made, viz., substituting brick coping plastered with cement for the stone in sanctioned plan, and white cedar was used for the ceiling instead of teak; but this last had been decided on all along.

12. In Conclusion, I may repeat that, as stated in my No. 2819, of the 12th February 1886, nothing has been done on the work which was not strictly essential, and I think the work done is excellent and reflects great credit on the contractors, who all along have been most helpful to me.

I much regret that so pleasant a piece of work should have given rise to such unpleasantness, and I trust that I may be exonerated from blame as I acted throughout in what I imagined to be the best interests of the Government.

13. The statement of account to date will follow as soon as possible.

From Major A. C. SMITH, R.E., Executive Engineer, Nílgiri division, to the Superintending Engineer, IV Circle, dated Ootacamund, 15th April 1886, No. 156.

In reply to your No. A, of 14th instant, to the address of the Chief Engineer, which you have kindly sent to me for perusal and for any explanation I may have to offer, I have the honor to state that in my No. 155 of this day's date I have, I think, nearly exhausted the subject, and have fully explained why, after my first report on the excess, it was inexpedient to stop the work and impossible for me to report further until I had gone fully into the subject.

2. The discovery of the errors in the original estimate, in which I all along put the utmost confidence, was a great blow to me.

3. I confess I was not at liberty to exceed the sanctioned estimate by even only 5 per cent., but I respectfully submit, for your consideration, the fact that by the signing of the contract alone all *the liabilities were incurred*, and *not* by my carrying on the work. Directly the contract was signed *Government had no power to stop the work except at the risk of being sued for the total amount of the estimate as long as the work was satisfactory.* On the other hand, the contractors were bound by their contract to complete the work by the 31st March 1886 as per *specification and plan*; also, directly the contract was signed, Messrs. Groves and Company set to work and purchased all the necessary timber and cut this and the stone required to dimensions; in fact long before the walls were up, the necessary timber was all prepared; what profit would it have been under the above circumstances to have stopped work?

4. But as already pointed out in my No. 155 of this date, I did not anticipate any great excess until now, or very near the time when you yourself state no saving could have been effected; so it was impossible for me to report what I did not know, or even surmise; when the facts *were* known it was too late to stop the work even had it been expedient to do so on legal grounds.

5. I hope you will now see that I have not ignored rules and orders; by the signing of the contract I was rendered helpless and did what I imagined to be best under the circumstances in good faith all through.

6. I sincerely regret that you consider you have been placed in a false position by confiding more or less in me. I was as ignorant as yourself of any large excess until too late to do anything; and even by the time I had discovered the smaller omissions, work could not have been stopped, except at great loss as I have clearly shown in my No. 155 of this date.

7. In conclusion, I venture to hope that my action in this matter may not be deemed unsatisfactory, and that I shall continue to enjoy your confidence; and I regret exceedingly the annoyance you have been put to on this account. My consolation is that you consider the work done is good.

From Messrs. GROVES and COMPANY, to the Executive Engineer, Nílgiris, dated Coonoor, 13th April 1886.

We have the honor to acknowledge your office letter, No. —, instructing us to stop work at Wellington church. We beg to submit, for the consideration of Government, the following points:—

(1) That the whole of the material is on the ground or in our yard, the only exception being some sheet lead ordered by us specially for this work, which we are daily expecting to receive, and leaded lights for west window ordered from England.

(2) That there is only required on our part an expenditure of some Rs. 500 in labor to complete the whole of our contract. The roofing with white cedar and felt is finished with the exception of the aisles and the greater part of the nave, &c., is roofed with iron.

(3) That part of the roofing, viz., such as is not yet covered with iron, is in such a state that should rain come the cedar planking will be quite spoiled by the water leaking through the felt.

(4) Under these circumstances we consider that the stoppage of the work will entail great loss on both Government and ourselves. We shall be quite willing to wait for the payment of such additional expenditure on labor as we may incur after the present (which as above stated we estimate at Rs. 500) until a decision is come to by Government, but meantime we trust we may be allowed to continue the work.

No. 153.

Submitted to the Superintending Engineer, IV Circle, for orders with reference to his memorandum, No. 103 C/N.I., dated 11th April 1886, stopping the work. As all the ceiling will be spoilt if it rains, the contractors have been authorised to complete the iron roofing.

Ootacamund,
15th April 1886.

(Signed) A. C. SMITH, Major, R.E.,
Executive Engineer.

No. 110C/E.W.

Forwarded for the information of the Chief Engineer with reference to this office letter, No. 109C/E.W., of 16th instant.

Ootacamund,
17th April 1886.

(Signed) J. BEATTY, Colonel, R.E.,
Superintending Engineer, IV Circle.

From Colonel J. BEATTY, R.E., Superintending Engineer, IV Circle, to the Chief Engineer, Public Works Department, dated Naduvatam, 20th April 1886, No. 113. C/E.W.

With reference to my letter, No. 109 C/E.W., of 16th instant, I have the honor to forward, herewith, a statement showing the total value of work done and materials delivered at the Wellington church up to date.

2. From the remarks in red ink it will be seen that the statement is not thoroughly complete and reliable, but a revised statement will be sent as soon as possible.

3. The contractor has been directed to stop work, even if there should be some loss by doing so.

Order—dated 13th May 1886, No. 1219 W., Public Works.

With his letter, No. 71 E.W., dated 6th April 1886, the Superintending Engineer, IV Circle, submitted a revised estimate, amounting to Rs. 49,100, for constructing a Protestant church at the military station of Wellington, exhibiting an excess of Rs. 10,939 over the original estimate of Rs. 38,161 sanctioned in G.O., No. 1977 W., dated 12th August 1884; and in G.O., No. 933 W., dated 6th April 1886, after briefly reciting the history of the project, and the stringent orders of the Government of India relative to the exercise of economy in its execution, the Government called upon the Superintending Engineer to show cause why he should not be held personally responsible for the excess expenditure.

2. In reply, Colonel Beatty, in his letter of 16th April 1886, represents that the excesses were due to causes beyond his control, and that there was no reason at first sight to suppose that the original estimate, which was prepared in the office of the Consulting Architect, was not fairly accurate as to quantities. The fact that excesses were occurring was first brought to his notice in the Executive Engineer's letter of 1st August 1885; and on the Superintending Engineer advising stoppage of the work, the Executive Engineer, in his letter of 18th August 1885, stated that the total excess would be within 5 per cent. of the estimate, and that there was therefore no reason to stop progress.

3. In his letter, No. 346 E.W., dated 22nd August 1885, the Superintending Engineer reported that the estimate would probably be exceeded; and in Public Works Department memorandum, No. 535 E., dated 28th idem, he was directed to submit a revised estimate with the least possible delay. Colonel Beatty states that that memorandum reached his headquarters after he had proceeded on privilege leave, and that on his return at the end of November 1885, although a revised estimate had not been submitted, the memorandum was lost sight of, his attention having been drawn to it only on receipt of G.O., No. 933 W., dated 6th April 1886.

4. The Superintending Engineer states that, after 18th August 1885, the Executive Engineer made no further report that the excess was likely to exceed 5 per cent.; that he relied on the Executive Engineer, as an officer of long service and great experience, to take precautions that the work should be brought to a standstill within the existing grant; and that he was utterly unprepared for liabilities being incurred without sanction.

5. The Executive Engineer reports that it was impossible for him to discover the grave omissions and errors of calculation in the original estimate until the work was far advanced, and until, in fact, the estimate was in course of careful revision; and that by the time the main errors had been discovered, it was too late to stop the work except at great loss to Government.

6. The work has now been stopped at a period when, as stated by the contractors, all materials required to finish it are ready, and an expenditure of only Rs. 500 in labor is needed to complete the contract.

7. After again scrutinising the revised estimate, the Superintending Engineer has reduced the total amount to Rs. 47,810, which gives an excess of Rs. 9,649 over the original estimate.

8. On reviewing this most unsatisfactory case, the Government are of opinion that the information now submitted points to Lieutenant-Colonel Morant, R.E., by whom, as Officiating Consulting Architect, the original estimate was prepared, as being responsible for the serious omissions and errors therein which have now come to light. Lieutenant-Colonel Morant is now absent from India on privilege leave; and, on his return, he will be called upon to explain the extremely unsatisfactory manner in which the original estimate was prepared.

9. With respect to other points—

(1) It seems unaccountable how the Executive Engineer could, at so late a date as 18th August 1885, have asserted confidently that the total excess would be within 5 per cent. on the estimate.

(2) The great delay in submitting the revised estimate, which was called for "*with the least possible delay*" in August 1885, and received in March 1886, is extremely unsatisfactory. In this connection, the Superintending Engineer will report the tenor and dates of the reminders alluded to in paragraph 8 of his letter, No. 109 C/E.W., dated 16th April 1886.

(3) The fact stated by the Superintending Engineer that, until April 1886, he had not seen the memorandum dated in August 1885, calling urgently for the submission of a revised estimate, seems unaccountable, and points to grave mismanagement in his office.

10. With these remarks, the revised estimate of Rs. 47,810 will be forwarded for the sanction of the Government of India.

11. The Superintending Engineer will meanwhile be authorised to complete such work as he may consider necessary to protect the Government from loss.

(Here enter No. 1220 W., dated 13th May 1886.)

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, IV Circle.
„ Consulting Architect to Government.
To Lieut.-Colonel J. L. L. Morant, R.E.
„ Examiner, Public Works Accounts.
„ Ecclesiastical Department.
„ Military „

Exd. E. Fernandez.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1886} Madras.

PUBLIC WORKS.

Dated May, 13th.

Recd. *Encl.*

G.O., 13th May 1886, No. 1219 W.

MAY.

Protestant Church at Wellington

Orders on revised estimate submitted for the construction of the — showing a considerable excess over the original estimate.

13th May 1886, No. 1220 W., Public Works.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

Letter—from

Colonel J. SHAW-STEWART, R.E.,
Secretary to the Government of Madras,
Public Works Department,

To

The SECRETARY to the GOVERNMENT of INDIA,
Public Works Department.

Sir,

With advertence to your letter, No. 673 M.W., dated 4th July 1884, I am directed to submit, for the sanction of the Government of India, a revised estimate, amounting to Rs. 47,810, for constructing from Provincial Funds a Protestant church at the military depôt of Wellington; and to state that His Excellency the Governor in Council greatly regrets that the estimate of Rs. 38,161, sanctioned in your letter above quoted, has been largely exceeded.

2. The Superintending Engineer reports that, although in accordance with the instructions of the Government of India the strictest economy has been observed in the execution of the work, the excesses have been unavoidable, owing to incorrect calculations in the original estimate of the amount of work to be done. No work not previously sanctioned has been carried out; for the sum of Rs. 47,810 represents the actual expenditure required to complete the various items included in the original estimate. The officer responsible for the unsatisfactory manner in which the original estimate was prepared is at present absent from India on privilege leave, but on his return he will be called upon to submit such explanation as he can offer.

3. A copy of the proceedings of this Government, No. 1219 W., dated 13th May 1886, which notices the extremely unsatisfactory nature of the history of this project, is forwarded for the information of the Government of India.

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

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

Fort St. George,
13th May 1886.

Exd. E. Fernandez.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1886} Madras.

PUBLIC WORKS.

Dated May, 13th.

Recd. *Encl.*

G.O., 13th May 1886, No. 1220 W.

MAY.

Protestant Church at Wellington

Revised estimate of Rs. 47,810 for construction of the — forwarded with remarks for sanction of the Government of India.

---

(7)

O.W.

In accordance with W's instructions the file on this subject was sent to Obby with the papers regarding lightning conductors for the church.

F.B.
4.6.6

(7)

From this letter
received from S.E. 4th
it seems that he
must be absolved
from all blame re-
garding the accdt.

4/6/86

W

G·4·6·86 R. 11·6·86

3. The

Fair [illegible] 14.6.86

The information now submitted by the S.E. points more clearly to the E.E. of the Nilgiri Division as being responsible for the great delay in submitting the revised estimate for the Wellington church; but it ~~throws no light~~ does not help to explain the other unsatisfactory matters in connection with that work, ~~which was~~ to which the Govt. took exception in their order dated 13-5-86. No. 1219 W.

7-6-86

To IV Circle

C. 4.6.86 R. 14.6.86.

Ans. 23/6.

3. The

6.4.6-86

No. 190
E.W.

Fourth circle, P.W.D.
Superintendg Engineer's Office
Coimbatore, 1st June 1886.

From
The Superintg Engineer,
Fourth Circle.

To
The Chief Engineer,
P. W. Department.

Sir,

As directed in Clause (2) para 9 of G.O. No 1,219 W of 13th May 1886, I have the honor to report on the tenor and dates of the reminders alluded to in para 8 of my letter No 109 of 16th ultimo.

Original with file put up with C No 3993 sent to Ooty on 2/6

2. My mention of reminders had special reference to oral and demi-Official reminders of which I regret to find I made no note.

3. The following, however, is a summary of what is on record from 1st August 1885 up to the submission of the revised estimate:-

I. 4th August 1885. My Memo No. 485M stating that I could sanction no excess; and suggesting stoppage of works pending submission of a revised estimate, which should be expedited.

II. 8th August 1885. I repeated my instructions to stop the work in the following words:— "As there is likely to be a heavy excess over the sanctioned estimate, and the orders of Government were most decided that all excess should be avoided, it is considered best to stop the work temporarily pending the sanction to a revised estimate."

III

III. 18th August 1885. Executive Engineer's letter No. 1397 asserting confidently that the excess would be within 5 per cent.

IV. 28th August 1885. Chief Engineer's Memo No. 535, calling for a revised estimate, accompanied by proposals for avoiding excess.

V. 2d September 1885. Colonel Ross Thompson's Endorsement No. 557 furnishing the Executive Engineer with copy of Chief Engineer's Memo, and calling for revised estimate, as well as the information demanded in Chief Engineer's Memo:, paras 2 and 3.

VI. 6th September 1885. On the Progress Report of July, Colonel Ross Thompson reminded the Executive Engineer that Chief Engineer's Memo: had been sent him, and that a revised estimate was awaited without delay.

VII. 9th September 1885. Major Smith's letter No. 1600, acknowledging Endorsement[x] No. 557 of 2d September, and making some objections to the form of endorsement

[x] on Chief Engr's Memo: No: 535.

VIII. 18th September 1885. Colonel Ross Thompson's Memo: No: 594 of 16th September 1885 replying to Major Smith's letter.

IX. 26th September 1885 Major Smith wrote on the Progress Report of August 1885 that "the revised estimate will be submitted in the course of a week."

This definite statement of the Executive Engineer seems to have stopped reminders in October.

X. 6th November 1885. But as the Estimate did not come in as promised, Colonel Ross Thompson observed on the Progres Report of September:-

"Please state when the revised estimate of this work may be expected in this Office."

XI. 29th November 1885. To which Major Smith replied in the Progre Report of October:-

"The revised estimate will probably be submitted by the end of next month

XII. 7th December 1885. On this I observed "Some explanation should be given of the great delay that has occurred in submi ting a revised estimate a care should be taken tha pending sanction to that estimate no deviations likely to involve excess, are allowed without written sanction."

XIII. 5th January 1886. And on the Progress Report of November I wrote, "The pointing, painting, flooring, and completion of the turret, may be delayed until after sanction of the revised estimate, and the work should be brought to a stand-still within the sanction, already granted"

XIV. 16th January 1886. To this Major Smith replied, "No interior pointing nor plaster nor flooring, are allowed in any estimate, and the actual work to be done, on the turret is really very small as, all the materials, are ready and these, are principally woodwork."

XV. 29th

XV. 29th January 1886. Major Smith further reported that the "revised estimate will be sent in on 1st Proximo."

XVI. 6th February 1886. In his letter No: 2727, probably in consequence of some demi-official reminder, the Executive Engineer wrote,

"I have the honor to inform you that the revised estimate for the Wellington Church will leave my Office on the 10th Instant. I regret that owing to the complex nature of the work, and interruptions for current estimates, I am unable to submit this earlier."

XVII. 5th March 1886. Major Smith observed on the Progress Report for February,

"Revised estimate

submitted on 12th ultimo." ?

4. On these notes and replies, I need only observe; [illegible]

I. That the Executive Engineer was not allowed to forget the submission of a revised estimate;

II. That so far back as September 1885 he promised it "in the course of a week";

III. That it was not until 6th February, about a week before submitting the revised estimate, and seven months after it was called for, that the Executive Engineer said anything about a difficulty in preparing it. He put off from time to time the date of submission, but gave no reasons;

IV. He received Chief Engineer's Memo:, and was more than once reminded of it;

V. He was advised to stop the work pending sanction of a revised estimate;

VI.

VI. But on the ground that the excess would not exceed 5 per cent, he pushed on with the work;

VII. He was warned to allow no deviation without written sanction;

VIII. He was warned to bring the work to a stand-still within the sanction, already granted.

I have the honor to be,
Sir,
Your most Obedt. Servant,

L. Beatty. Colonel R.E.
Supg. Engineer 4th Circle.

G.O. No 1220 W 13-5-86
" " 1219 W 13-5-86

(7)

From

The Superintg Engineer,
Fourth circle.

To

The Chief Engineer,
P.W. Department.

Dated 1st June 1886
Red 4
No. 1501 W. d/14th June 1886
No 190/EW
Enc:-

Wellington Church:-
As directed in para 9 of G.O. No 1219 W of 13th May 1886, furnishes information regarding reminders to the Executive Engineer.

O. 1.6.86 R. 14.6.86

17

No. 1501 W.

PUBLIC WORKS DEPARTMENT.

B/Cir

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the 14th June 1886

READ the following

Letter from the S.E. IV Circle (H.E. No 190 EW. d/ June 1. 1886)

The information now submitted by the Superintending Engineer points more clearly to the Executive Engineer of the Nilgiri Division as being responsible for the great delay in submitting the revised estimate for the Wellington Church, but it does not help to explain the other unsatisfactory matters in connection with that work, to which the Government took exception in their order dated 13th May 1886, No. 1219 W.

8.6.86

13/6/86

The Hon H.S. Sullivan

11 JUN DEPARTMENT

No. 1501 W. d/14 June 1886

14/6

S.E. IV Circle

Issued 15/6/86

Entered 20/6.

18/6

18/6

19/6

[illegible] 23/6. Cir 8/6.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

Read—the following letter from Colonel G. CHESNEY, Secretary to the Government of India, Military Department, to the Secretary to the Government of Madras, Public Works Department, dated Simla, 4th July 1884, No. 673 M.W. :—

In reply to your letter, No. 1300 W., dated 23rd May 1884,* I am directed to state that the Government of India now sanction the construction of the proposed church at Wellington at a cost not exceeding Rs. 38,161, the amount of the estimate now submitted.

2. I am, however, to say that the Governor-General in Council still considers the cost of the church very high, and would ask that the strictest attention to economy may be enjoined on the officer entrusted with the execution of the work.

3. It is observed that the estimate now submitted does not provide for the satisfactory completion of the building in all respects, but it must be understood that the Government of India will not be able to sanction hereafter any further expenditure of public funds for completing the building.

* Enclosures returned.

Order—dated 12th August 1884, No. 1977 W., Public Works.

The estimate, amounting to Rs. 38,161, for constructing a church at Wellington, is sanctioned.

2. Funds are not immediately available, but an appropriation will be made as early as practicable.

3. The attention of the Superintending Engineer, IV Circle, is drawn to the instructions of the Government of India relative to the exercise of the strictest economy in the execution of the work.

4. This sanction has been registered as Provincial No. 112 W. of 1884-85, and classified as Civil Buildings, Original Works.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, IV Circle, with four enclosures.
„ Consulting Architect to Government.
„ Examiner, Public Works Accounts, with duplicate abstract estimate.
„ Ecclesiastical Department.
„ Military Department.

Exd. E. Fernandes.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of (1884) Madras.

PUBLIC WORKS.

Dated August, 12th.

Recd. *Encl.*

G.O., 12th Aug. 1884, No. 1977 W.

AUGUST.

Church

Estimate of Rs. 38,161 *for a* — at Wellington, sanctioned.

6th February 1886, No. 324 W., Public Works.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

Read—the following papers:—

Memo. by Chief Engineer, Public Works Department, dated 9th July 1885, No. 1174 C.

From the Superintending Engineer,		I Circle,	dated	3rd December	do.	334 G.L.
Do.	do.	I	do.	24th do.	do.	195 V.Z.
Do.	do.	II	do.	30th October	do.	257 G.L.
Do.	do.	III	do.	6th August	do.	988.
Do.	do.	IV	do.	7th September	do.	371 E.W.
Do.	do.	V	do.	20th October	do.	3110.
Do.	do.	VI	do.	19th September	do.	984 T.J.
Do.	Consulting Architect to Govt.,		dated	1st do.	do.	819.
Do.	do.		do.	11th November	do.	1166.

Order—dated 6th February 1886, No. 324 W., Public Works.

In July 1885 Superintending Engineers and the Consulting Architect were requested to submit a list of all public buildings in their respective Circles which were supposed to be protected by lightning conductors, and to report, with respect to each building, whether the recommendations of the Lightning Rod Conference and the provisions of the Code of Instructions on the subject had been fully met; if not, in what respects the protection was deficient. Superintending Engineers were further asked to name any public buildings within their Circles which they considered should be provided with efficient conductors.

2. Replies have now been received from all the officers addressed, and the lists of buildings submitted show that a large number are at present without protection, whilst others are but imperfectly protected. To remedy these defects in all cases would involve so large an expenditure as to be prohibitive; besides which, many of the buildings named are not of sufficient importance to require protection. The Government therefore desire that attention be first given only to buildings of the nature referred to in paragraph 1174* of the Public Works Code.

* 1174. "Powder magazines and all buildings "which, from their height or exposed situation, "are likely to be struck with lightning, should "be provided with lightning conductors on the "system laid down in the Code of Instruction for "the guidance of Public Works officers in the "erection and testing of lightning conductors."

3. In this view the undermentioned buildings have been selected from the lists, and Superintending Engineers will submit at an early date estimates for providing lightning conductors for such of the buildings mentioned as have not got them, and for altering those already provided, in order to bring them into accordance with the provisions of the Code of Instructions.

I Circle.

*(1) Powder magazine, Sámalkót.
*(2) Hope island light-house.
*(3) Vakalapudi light-house.
(4) Central tower of the Rajahmundry jail.
(5) Chimney at the Dowlaishweram workshops.

*(6) Powder magazine, Vizagapatam.
*(7) Four powder magazines used by 16th Regiment, M.I., Vizagapatam.
*(8) Santapilly light-house.
*(9) Powder magazine, Parlakimedi.
*(10) Powder magazine, Russellkonda.
*(11) Powder magazine, Chatrapur.

II CIRCLE.

(1) Christ church, Nellore.

IV CIRCLE.

*(1) Lawrence Asylum (female branch), Lovedale.
(2) Combined post and telegraph office, Ootacamund.
(3) Goverment offices and Council Chamber, Ootacamund.
(4) Government House, Ootacamund.
*(5) Powder magazine, Ootacamund.
*(6) Police powder magazine, Coimbatore.
*(7) Powder magazine, Malapuram.
*(8) Powder magazine, Quilon.

V CIRCLE.

*(1) Government House, Guindy.
*(2) Police powder magazine, Manjakuppam.
*(3) Powder magazine, Vellore.

VI CIRCLE.

(1) District court-house, Tanjore.

CONSULTING ARCHITECT'S DIVISION.

*(1) Combined post and telegraph office.
*(2) Senate House.
*(3) Observatory.

NOTE.—Buildings marked with an *asterisk* are stated to be already provided with lightning conductors either useless or not in accordance with the Code of Instructions.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To Superintending Engineers.
To the Consulting Architect to Government.
„ Examiner, Public Works Accounts.

Exd. E. Fernandez.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1886} Madras.

PUBLIC WORKS.

Dated February, 6th.

Recd. *Encl.*

G.O., 6th Feb. 1886, No. 324 W.

FEBRUARY.

Lightning Conductors

Orders on letters from Superintending Engineers submitting lists of public buildings protected by — and of those unprotected.

13TH MAY 1886, No. 1220 W., PUBLIC WORKS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

LETTER—from
COLONEL J. SHAW-STEWART, R.E.,
Secretary to the Government of Madras.
Public Works Department,

To
THE SECRETARY TO THE GOVERNMENT OF INDIA,
PUBLIC WORKS DEPARTMENT.

SIR,

With advertence to your letter, No. 673 M.W., dated 4th July 1884, I am directed to submit, for the sanction of the Government of India, a revised estimate, amounting to Rs. 47,810, for constructing from Provincial Funds a Protestant church at the military depót of Wellington; and to state that His Excellency the Governor in Council greatly regrets that the estimate of Rs. 38,161, sanctioned in your letter above quoted, has been largely exceeded.

2. The Superintending Engineer reports that, although in accordance with the instructions of the Government of India the strictest economy has been observed in the execution of the work, the excesses have been unavoidable, owing to incorrect calculations in the original estimate of the amount of work to be done. No work not previously sanctioned has been carried out; for the sum of Rs. 47,810 represents the actual expenditure required to complete the various items included in the original estimate. The officer responsible for the unsatisfactory manner in which the original estimate was prepared is at present absent from India on privilege leave, but on his return he will be called upon to submit such explanation as he can offer.

3. A copy of the proceedings of this Government, No. 1219 W., dated 13th May 1886, which notices the extremely unsatisfactory nature of the history of this project, is forwarded for the information of the Government of India.

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

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

FORT ST. GEORGE,
13th May 1886.

Exd. E. Fernandez.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1886} Madras.

PUBLIC WORKS.

Dated May, 13th.

Recd. *Encl.*

G.O., 13th May 1886, No. 1220 W.

MAY.

Protestant Church at Wellington

Revised estimate of Rs. 47,810 for construction of the — forwarded with remarks for sanction of the Government of India.

13th August 1886, No. 2037 W., Public Works.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

Read—the following letter from Major G. F. L. MARSHALL, R.E., Under Secretary to the Government of India, Public Works Department (Civil Works—Buildings), to the Secretary to the Government of Madras, Public Works Department, dated Simla, 27th July 1886, No. 309 B. :—

I am directed to acknowledge the receipt of your letter, No. 1220 W., dated 13th May 1886, and in communicating sanction to the revised estimate, therewith received, amounting to Rs. 47,810, for constructing, from Provincial funds, a Protestant church at the Military depôt of Wellington, to state that the Government of India concurs in the opinion of His Excellency the Governor in Council that such an expenditure from the public funds for only 300 sittings is most unsatisfactory.

2. With reference to the concluding portion of paragraph 2 of the letter under acknowledgment, I am to request that the Government of India may be informed of the result of the investigations, and what notice it is intended to take of the conduct of those who may be found responsible for the large excess over the sanctioned amount.

3. The sanction herein accorded has been registered as No. 34 B. of 1886-87, and the plans and estimate received with the letter under reply are returned.

Order—dated 13th August 1886, No. 2037 W., Public Works.

Communicated to the Superintending Engineer, IV Circle, and the Examiner of Public Works Accounts, with reference to G.O., No. 1219 W., dated 13th May 1886.

2. The sanction accorded by the Government of India has been registered as Provincial No. 81 W. of 1886-87, and classified as Civil Buildings, Original Works.

3. The sum of Rs. 9,574,* required to complete the work, is allotted from the reserve with the Government under Provincial.

4. The following reply will be sent to the Government of India, with reference to paragraph 2 of their letter above recorded :—

(Here enter No. 2038 W., dated 13th August 1886.)

(True Extract.)

Major, R.E.,
Under Secy. to Govt., P.W.D.

To the Superintending Engineer, IV Circle, with ten enclosures.
„ Consulting Architect to Government.
„ Examiner, Public Works Accounts, with the duplicate abstract estimate.
„ Ecclesiastical Department.
„ Military Department.

Exd. P. L. Pereira.

Spare Copies

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* *Vide* item No. 66 of the statement printed with G.O., No. 1594 W., dated 23rd June 1886.

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of (1886) Madras.

PUBLIC WORKS.

Dated August, 13th.

Recd. *Encl.*

G.O., 13th Aug. 1886, No. 2037 W.

AUGUST.

Protestant Church at Wellington

Letter from the Government of India communicating sanction to the revised estimate for the —, communicated to the Superintending Engineer, IV Circle, and the Examiner, Public Works Accounts, with remarks.

13th August 1886, No. 2038 W., Public Works.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

Letter—from

Colonel J. SHAW-STEWART, R.E.,
Secretary to the Government of Madras,
Public Works Department,

To

The SECRETARY to the GOVERNMENT of INDIA,
Public Works Department.

Sir,

In reply to paragraph 2 of your letter, No. 309 B., dated 27th July 1886, I am directed to state that Lieutenant-Colonel Morant, R.E., the officer to whom blame was attached in connection with the incorrect estimate originally submitted for the construction of a church at Wellington, is reported to have died in Australia on the 17th June 1886.

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

Major, R.E.,
Under Secy. to Govt., P.W.D.

Fort St. George,
13th August 1886.

Exd. P. L. Pereira.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1886} Madras.

PUBLIC WORKS.

Dated August, 13th.

Recd. Encl.

13th Aug. 1886, No. 2038 W.

AUGUST.

Protestant Church at Wellington

Government of India informed that the officer responsible for the incorrect estimate submitted in the first instance for the — is reported to have died.

G.O. 1594 W. 23.6.86
" 1220 W 13.5.86 S. Copy
" 1219 W 13.5.86 S. Copy
" 1219 & 1220 W. 13.5.86 orig.
B. No 10 W 5.1.86
" 1681 W. 2.7.86
No 705 D. 5.6.86
" 171 D. 25.5.86
" 121 D. 12.5.86
G.O. 1299 & 1300 } W 23.5.84
" 2541 W
~~A. 15.10.84~~
No 709 E. 24.9.84
G.O. 3323 W 22.11.83.
B. No 312 W 10.2.83
G.O. 3143 W 20.12.84
" 1977 W 12.8.84
No 252 C. 4.2.84
G.O. 1977 W 12.8.84
" 1300 W. 23.5.84
" 1299 W 23.5.84
No 45 E. 24.4.84
B. No 953 W 7.4.84
" 2610
" 2611 W. 15.9.83
No 1 C. 2.1.83
G.O. 324 W. 6.2.86
~~orig.~~
G.O. 324 W. 6.2.86.

No 2037 W 13/8/86
2038

To S.W.

Proposed to send this letter to Madras in view to the file being completed.

Order of Govt. on the S.E.'s reply to para 9, Clause (2) of G.O. No. 1219 W d/ 13.5.86 is not available here.

C.
11.9.86

Approved

11/9/86

S.A.W.

Complete file might be sent [illegible] Madras [illegible]

C.
11.9.86

All communications should be addressed to the Secretary.

No. 3090 B.

GOVERNMENT OF INDIA.

PUBLIC WORKS DEPARTMENT.

~~CIVIL WORKS.~~
Buildings.

To,
The Secy to the Govt of Madr
Public Works Deptt

Simla, 27th July 188

Sir,

I am directed to acknow=ledge the receipt of your lette No. 1220 W. dated 13th May 1886, and in communicating sanction to the revised estimate, therewit received, amounting to Rs. 47,810 for constructing, from Provincial Funds, a Protestant Church a the military depôt of Wellington to state that the Government of India concurs in the opinion of His Excellency the Governo in Council that such an

expenditure

P.W.C. No. 6051.

expenditure from the public funds for only 300 sittings is most unsatisfactory.—

2. With reference to the concluding portion of para. 2 of the letter under acknowledgment, I am to request that the Government of India may be informed of the result of the investigations, and what notice it is intended to take of the conduct of those who may be found responsible for the large excess over the sanctioned amount.—

Enclos 10
(+5 Tracings)

Recd: 5.8.86

3. The sanction herein accorded has been registered as No. 34 B. of 1886-87, and the plans and estimate received with the letter under reply are returned.—

I have the honor to be,
Sir,
Your most obedt. servt.,
G. F. L. Marshall Major R.E.
Under Secy. to the Govt. of India.

Documents accompg.
Estimate referred to.
5 plans.
[illegible] 13.8.86

2037 Wd/13th August /86 B & R Circular

PUBLIC WORKS DEPARTMENT.

A/

PROCEEDINGS OF THE MADRAS GOVERNMENT.

READ the following

From ~~the~~ Govt. of India, P. W. Department. H. E. No: 309 B d/27th July 1886.

Communicated to the Suptg. Engineer IV Circle and the Examiner of P.W. Accounts, with reference to G. O. No: 1219 Wd/13th May 1886.

2. The sanction accorded by the Govt. of India has been registered as Provincial No: 81 W of 1886-87, and classified as Civil Buildings, Original Works.

3. ~~A~~ The sum of Rs 9,574,× required ~~for~~ to complete~~ing~~ the work, is allotted from the reserve with the Govt. under Provincial.

(A)

× Vide item No: 66 of the statement printed with G. O. No: 1594 Wd/23rd June 1886.

(A)
The balance of the reserve is Rs 10,017 deducting allotment proposed. Will be provided pending approval by W.

4. The following reply will be sent to the Govt. of India, with reference to para 2 of their letter above recorded.

To
The Suptg. Engr. IV Circle with 10 enclos.
" Consg. Architect to Govt.
" Examiner of P.W. Accts with the duplicate abstract estimate
" Ecclesiastical Department
" Military Department.

21/8/86

H. E. No: 2038 Wd/13th August 86

To
The Secy to the Govt. of India
P. W. Department

Sir,

(9)

Sir,

In reply to para 2 of your letter No: 309 B dated 27th July 1886, I am directed to state that Lt. Col. Morant R. E., the officer ~~responsible for the unsatisfactory manner in which the original estimate was prepared having died, no explanation can be called for.~~

to whose blame was attached in connection with the ~~[illegible]~~ incorrect estimate ~~[illegible]~~ originally subd. for the construction of a church at Wellington, is reported to have died in Australia on the 17th June 1886.

6/8/86

W
7/8

(11
4/8/86

9.8.86

No 2037
2038

Wd 13th August/86

W
13/5

~~DW~~
W

O.G.S. 29/8.

e. 6.8.86 R. 13.8.86

6051

Govt. of 1886 Madras.

PUBLIC WORKS.

Dated 16/8/86

Recd.

Encl.

G.O., 13th August 1886, No. 2037 W
2038 W

Protestant Church at Wellington.

≡

~~Letters~~ from the Govt of India communicating sanction to the revised Estimate for the — Commd. to the S.E. IV circle & the Exemr. P.W.D., with remarks.

70/7 copies of G.O. reqd
12/2 copies of letter reqd
30 collection copies.

70/7

- - - - - - - - - -

Protestant Church at Wellington

~~100/9~~ 20 extra letter reqd

12/2

≡

Govt. of India informed that the officer responsible for the incorrect Estimate submitted in the first instance for the — is reported to have

---

No. 371 B.

All Communications should be addressed to the Secretary.

GOVERNMENT OF INDIA.
PUBLIC WORKS DEPARTMENT.
CIVIL WORKS.
Buildings.

To
The Secy: to the Govt. of Madras.
P. W. Deptt.

Simla, 4th September 1886.

Sir,

With reference to your letter No. 2038 W, dated 13th August 1886, I am directed to point out that the report of the death of Lieutt. Colonel Morant R. E; who was responsible for the incorrect Estimate originally submitted for the Protestant Church at Wellington, had reached the Govt. of India before its letter No. 309 B, of 27th July was issued.

2. I am to explain that what the Govt. of India desired to learn was the result of the further investigations under paragraph 9 of the order of the

P.W.C. No 71

the Govt. of Madras dated 13th May 1886, No. 1219 W. Public Works — and the final decision with reference to the Executive and Administrative Officers concerned with the matter.

Recd: 13.9.86

I have the honor to be,
Sir,
Your most Obedt. Servt.

G. F. L. Marshall Major, R.E.
Under Secy. to the Govt. of India.

Documents accompy:

Nil

No. 1533 D d/ 20.12.82
" 3323 W d/ 22.11.83
" 709 E d/ 24.9.84
" 2541 W/A d/ 15.10.84
" 1299 W d/ 23.5.84
" 1300 W d/ 23.5.84
" 1977 W d/ 12.8.84
" 1219 W d/ 13.5.86
" 1220 W d/ 13.5.86
" 2037.38 W d/ 13.8.86
" 77 D d/ 3.5.86
" 121 D d/ 12.5.86
" 171 D d/ 25.5.86
No. 205 D d/ 5.6.86
" 1681 W d/ 2.7.86
" 1219.20 W d/ 13.5.86
" 1501 W d/ 14.6.86

Cw. 25.9.86 29.9.86

A.L. 52/9

No. 2562 W

PUBLIC WORKS DEPARTMENT.

B/Cw.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the 30 Septr. 86

READ the following

Letter from the Govt. of India, P.W. Dept: A.E. No. 371.B d/ 4 Septr./86

Ordered that the Government of India be addressed.

(A.E. No. 2563 W d/ 30 Septr./86)

To
The Secy. to the Govt. of India
P.W. Dept.

Sir,

In reply to your letter No. 371.B d/ 4th September 1886, I am directed to forward for the information of the

24th Nov.

P. W. (188~~2~~) ~~Department.~~

Cs On ~~From~~ No. 8124

795

No.

Dated 18/12

Recd.

Subject.

Increases of pay from Municipal + Local Funds. Cs proposal that on receipt of a SO from G. on the subject of — the ruling [illegible] be Embodied in our Code.

Disposal.

No. 1533† Dd 20/12/82

C.

Approved

(I) CCR.

Dir

Desp. 20/12

†Original [illegible] re-turned by C. – S.P. 2/2/83

Cu. 25. 9. 86 R 29.9.86

W 410 cw 1/10

22nd November 1883, No. 3323 W., Public Works.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Military Works.

Read—the following letter from the Secretary to the Government of India, Military Department, to the Secretary to the Government of Madras, Public Works Department, dated Simla, 7th November 1883, No. 1124 M.W. :—

In reply to your letter, No. 2611 W., dated 15th September 1883, I am directed to state, for the information of His Excellency the Governor in Council, that while admitting the need of a church at the Military depôt of Wellington, the Government of India regret that they are unable to sanction so large an expenditure of public funds as that proposed for the construction of a church to contain 300 sittings. Unless, therefore, private subscriptions to a considerable amount are forthcoming, the design should be revised with a view to effecting a material reduction of the cost.

The enclosures of your letter are returned herewith.

Order—dated 22nd November 1883, No. 3323 W., Public Works.

Communicated, with reference to Proceedings of Government, No. 2610 W., dated 15th September 1883, to the Military Department, for the information of His Excellency the Commander-in-Chief.

2. The papers will be forwarded to the Consulting Architect to Government, who will submit a revised plan and estimate, reducing the cost as nearly as possible to the limit fixed by paragraph 1248 of the Public Works Code.

(True Extract.)

Major, R.E.,
Under Secy. to Govt., P.W.D.

To the Military Department.
„ Superintending Engineer, Fourth Circle.
„ Ecclesiastical Department.
„ Consulting Architect to Government, with plan and estimate, and copy of Proceedings, Nos. 2610-11 W., dated 15th September 1883.

Exd. E. Fernandez.
Spare Copies

BUILDINGS AND ROADS.
MILITARY WORKS.

Govt. of {1883} Madras.

PUBLIC WORKS.

Dated November, 22nd.

Recd. *Encl.*

G.O., 22nd Nov. 1883, No. 3323 W.

NOVEMBER.

Church

A revised plan and estimate for a — at Wellington at a reduced cost, ordered to be submitted.

M. D 18.

HEADING. Accommodation for troops.

No. 1124 M. W.

GOVERNMENT OF INDIA,

MILITARY DEPARTMENT.

It is requested that the above heading, with number and date of this communication, may be quoted in any subsequent correspondence on the subject.

Simla, the 7th November 1883.

To

THE SECRETARY TO THE GOVERNMENT OF MADRAS,
PUBLIC WORKS DEPARTMENT.

SIR,

In reply to your letter No. 2611 W dated 15th September 1883, I am directed to state for the information of His Excellency the Governor in Council that while admitting the need of a church at the Military Depot of Wellington, the Government of India regret that they are unable to sanction so large an expenditure of public funds, as that proposed, for the construction of a church to contain 300 sittings.

Not likely? S.A.

Unless therefore private subscriptions to a considerable amount are forthcoming, the design should be revised with a view to effecting a material reduction of the cost.

The

No 3323 W **PUBLIC WORKS DEPARTMENT.**

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the 22d Nov/83.

READ the following

From the Govt of India - Mily Depts } P. E. No 1124 MW.
7th Novr 1883 -

Communicated with reference to P. Gs No 2610 W dated 15th September 1883 to the Military Department, for the information of His Excellency the Commander in Chief

2. The papers will be forwarded to the Consulting Architect to Government, who will submit a revised plan and estimate, reducing

the cost as nearly
as possible to the limit
fixed by paras 1248
of the P. W. Code.

CM
22/11.

Gm/

F.C.
252 C. 4-2-84.

No. 1531 D-3-7-85-

To
The Military Dept
ent 21/11/83
" S. Ind. F. Fourth Circle
" Ecclesiastical Dept
" Cong: Architect to
Govt with plan & Esti:
& Copy of Pro: Nos
2610 - 11. W. - 15 Sept/83

means of worshipping God and receiving the ministrations of their Chaplains in peace, and the claims of Almighty God to temples worthy in some degree of the reverence we owe Him, will be able to approve the project and to remove any difficulties which may stand in the way of its attainment.

Order—dated 4th October 1882, No. 1057, Ecclesiastical.

Referred to the Public Works Department with original note of His Excellency the Governor.

(Signed) C. G. MASTER,
Chief Secretary.

No. 129.

ORDER—dated 20th October 1882, No. 2741 W., Public Works.

The Right Honorable the Governor in Council observes that there is no immediate prospect of funds being available for the erection of a church at Wellington. The subject will however be kept in view, and steps at once taken by the Superintending Engineer for selecting, in communication with the Chaplain, and demarcating the best site for the building.

(True Extract.)

Lieut.-Col., R.E.,
Ag. Under Secy. to Govt., P.W.D.

To the Superintending Engineer, Fourth Circle.
„ Ecclesiastical Department.

Exd. C. Howarth.
Spare Copies

and
has
[illegible]
[illegible]
only be suf

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of (1882) Madras.
PUBLIC WORKS.

Dated October, 20th.

Recd. *Encl.*

G.O., 20th Oct. 1882, No. 2741 W.

OCTOBER.
Nos. 128-129.

Church at Wellington.

The Superintending Engineer directed to take steps at once for selecting the best site for the building of a —.

~~Pd. the Governor~~
~~Hon'ble H.E. Sullivan~~
~~H.E. the Commander in Chief~~

For orders

Adverting to the marginal note by H.E. the Governor I may observe that under the late stringent restriction of Imperial Civil Expenditure by order of the G of I there is no immediate prospect of funds, and looking to other more pressing demands which will have to be met next year for the Mallapuram Barracks, Stables for horses at diffnt. Stations there is but little likelihood of the needful amount for the Church in question being forthcoming — Under these circumstances, and as Mr Chisholm has at this moment more designs on hand than he can fairly be exp

Cir: 7/10 R 16/10

~~to~~ complete within
a reasonable time I
should ^be glad to be enabled to
relieve him of this
extra demand

If however as may be
presumed from the corres-
-pondence, ~~that~~ Government
are decided as to the
propriety of constructing
the Church in question
when funds become
available I would venture
~~to~~ suggest ~~that~~ the
best site for the building be
secured and fenced off
for the purpose at an
early date

RHt

6/10/82

No harm in
that

J.R.

Ecclesiastical DEPARTMENT.

C, No. 260.

From the Right Revd. the Lord Bishop of Madras

d/ 15th September /82.

Is the prospect of having funds near enough to ask for a plan & Estimate? I doubt.

leave him to Sankey.

FOR ORDERS.

2. There is no prospect of funds being immediately available, but if the Govt. approve of the proposal, the papers might be referred to the Public Works Departmt. for plan & estimate. Perhaps, if Col. Sankey has no objection, the design

might be left to
Mr. Chisholm.

A.S.P.
19/9

Carpenter

New Church
Wellington

FOR ORDERS.

7741 W

Circulate

20/9

B1

No 201 Ecclesiastical Dept.

To,

His Excellency
The Right Honorable
The Governor of Madras,
Fort St. George.

Ootacamund.
15 September, 1882.

Your Excellency,

Having recently visited Wellington and conferred with the Commandant and the Chaplain, I have the honor to solicit Your Excellency's attention to the pressing need of a Church at Wellington.

2. The Subject was last brought before Government in 1873. (Proceedings of the Madras Government Military Department; 19th April, 1873; and 24th July, 1873; Communicated to the Bishop in G. O. dated 5th August, 1873, No 166).

3. Since that time the prospect of Wellington being maintained as an important Military Depot appears to have become much more certain; and the number of troops quartered there has increased, so that now it is larger (I am informed) than at any other Madras Chaplain's Station occupied

by European troops, except Trimilgherry, and the Trinity District of Bangalore.

4. At the present time the number is between seven and eight hundred, of whom upwards of 500 are entered as belonging to the Church of England; and there are women and children besides.

5. The place in which the services have hitherto been held, is a long upstairs barrack-room on one side of the large quadrangle; assigned for the purpose, and very fairly furnished; but constantly liable to disturbance, especially on week days and at any non-parade service.

6. It is likely, (I am informed,) that a still larger number of men may be sent in future years to Wellington, and consequently that more accommodation will be required. For providing such additional accommodation it is incomparably more desirable that the present room used as a Church should be made available, and a proper Church be built, than that the existing arrangement for a Church should continue and additional barracks be built.

7. There is an excellent site for a Church on Onetree Hill, not more than half a mile from the barracks; a distance sufficiently far to be beyond the reach of uncongenial sounds and to afford entire change; and yet easy (it would seem) for the men to march.

8. The size of the Church should probably be such as to provide accommodation for between five and six hundred persons.

9. The cost of building a substantial and suitable structure on the Hills will no doubt be large, upwards of Rs 50,000; but I trust that Your Excellency in Council, seeing the need of it, and considering the claims of our army to be provided with the means of worshiping God and receiving the ministrations of their Chaplains in peace, and the claims of Almighty God to temples worthy in some degree of the reverence we owe Him, will be able to approve the project and to remove any difficulties which may stand in the way of its attainment.

I have the honor to be
Your Excellency's most obedient
and faithful Servant

F. Madras

f. 166 5-a 73 p.

No. 2313 d/ 18.9.73

~~Ootacamund~~ 4 Oct/81

No. 1057

Referred to the Public Works Deptt — with original note of H. E. the Governor

C G Master
Chief Secretary

P3

Eccles. Dept

W.C. No. 7154

From
The Right Revd. the Lord Bishop

R 15th Sep/82
D/ 15th Septr., 1882.
Rd 17/10/82

CURRENT No. 260.

Church at Wellington

16.9.82

Note—This paper should be returned with reply.

Ol 5:10 4..182

No. 2741 W

B. R.
Ch...

PUBLIC WORKS DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the 20th Octr/82

Read the following:—

Endorsement - Ecclesiastical Dept on letter from the Rt. Revd. the Lord Bishop of Madras No. 201 d/ 15th September 1882	(H.E. No. 1059 d/ 4th Octr. 1882)

P4

The Right Honble the Governor in Council observes that there is no immediate prospect of funds being available for the erection of a church at Wellington. The subject will however be kept in view - and steps at once taken by the Suptg Engineer for selecting, in communication with the

Chaplain, and demarcating the best site for the building-

16-10-52

CH 20/10

37/3

SE ~~Fourth~~ ~~Fifth~~ Circle 5

~~Ecclesiastical Deptt~~

despd 27/10/82

5

p o/o

7154

Govt. of {1882} Madras.

PUBLIC WORKS.

Dated 21/10

Recd. Encl.

G. O., 20th Octr. 1882, No. 2741 W.

Nos.

Church at Wellington

The S.E. directed to take steps at once for selecting the best site for the building of a c.

P. W. Deptt.

No. 320 C
Cir.

Supg. Engineer's office, 4th circle.
Camp Ootacamund, 14th Septr./84.

From

The Superintending Engineer,
Fourth Circle.

To

The Chief Engineer,
P. W. Department.

Sir,

I have the honor to request you will be so good as to let me have a copy of any orders passed on my letter No. 62 × of 3d. February 1883, as they cannot be traced in my Office.

× Regarding the site for the Wellington Church

1196 of 10-4-83

I have the honor to be,
Sir,
Your most Obedt. servant.

E. Beatty - Col. R.E.,
Supg. Engineer, 4th circle.

7151

G.O. No 2741 W. d/ 20-10-82.
B. No 779 C. " 10-4-83
No 1070 C. " 5 6-83
G.O. 1977 W. d/ 12-8-84
" 1300 W d/ 23-5-84
" 1299. W d/ 23-5-84
" 3323 W d/ 22-11-83

From
The Supg. Engineer,
Fourth Circle.

SECRETARY TO GOVERNMENT
15 SEP 84
DEPARTMENT

Dated 14th } Septr. 1884
Desp.: 15th }

No. 320 C / E.W.

779 C d/ 10-4-83

Wellington Church.–

Requesting to be furnished with a copy of the orders passed on S.E.'s letter No: 62 of 3d. February 1883, regarding the site for the ——.

P. W. Deptt.

No. 709 E d/ 24th September 1884

Memorandum.

Letter from the Supg. Engineer IV Circle No. 320 C / E.W. d/ 14th Septr. 1884.

The Superintending Engineer IV Circle is informed that no specific orders were passed on his letter No. 62 d/ 3d. Feby. 1883, as none seemed to be needed. No objectio has been raised to the site reserved for the Wellington Church on "O tree hill". The design was in fact prepared with special reference to this site, which ha been generally approved by the authorities concerned, Military as well as Ecclesiastical.

Jok 23/9/84

for E.W.

No. 1070 C d/ 5-6-83
No. 779 C d/ 10-4-83
G.O. No. 2741 W d/ 20.10.82
" " 3323 W " 22 11-83
" " 61 Ecclesiastical 22-3-84
" " 1300 W. 23rd-4-84
" " 1977 W 12th-8-84
No. $\frac{320\text{ C}}{\text{E.W.}}$ 14-9-84

No. 709 E d/ 24th Sept 1884

✓ despd 24/9/84

S.E. IV Circle

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

Read again—

Proceedings, dated 20th October 1882, No. 2741 W., Public Works.
" " 20th August 1884, " 1977 W., "

Read—also the following papers :—

From Colonel J. BEATTY, R.E., Superintending Engineer, IV Circle, to the Chief Engineer, Public Works Department, dated Malapuram, 3rd October 1884, No. 452 E.W.

With reference to your memorandum, No. 709 E., of 24th ultimo, being under the impression that orders had been issued in the Military Department fixing Gun Hill as the site for the new church at Wellington, I applied to the Commandant, Wellington, for information on the subject, and send you his reply.

2. I also took the opportunity of meeting Sir Frederick Roberts at Malapuram to inquire what were His Excellency's wishes on the subject, and I found that he had decided it should be on Gun Hill.

3. The Ecclesiastical Department has always been in favor of One Tree Hill, and objected to Gun Hill principally on the ground of its being near the canteen ; but that objection, His Excellency informed me, had been considered, and the canteen would be moved to another part of the barracks.

Enclosure.

From Lieutenant-Colonel G. BAKER, Commandant, Wellington, to the Superintending Engineer, Coimbatore, dated Wellington, 29th September, 1884, No. 1446.

I have the honor to acknowledge the receipt of your letter, No. 318 M., of the 26th September 1884, forwarding a copy of a memorandum from the Chief Engineer relative to the site for the proposed new church at Wellington.

2. I would point out that, from private conversations lately held with His Excellency the Commander-in-Chief, I am justified in saying that he is under the impression that the new church is to be built on Parade Hill.

3. The sum of Rs. 250 has been expended from the cantonment fund by order of the Quartermaster-General for the purpose of planting up this hill within the past twelve months.

4. Mr. Larminie, the late Executive Engineer, understood that Parade Hill was the site selected, and Sub-Conductor Hollingsworth some time ago prepared a plan of this hill by his order.

5. I would strongly urge that a further reference be made to headquarters, before any definite orders are issued on the subject.

Demi-official from the Quartermaster-General, dated 2nd October 1884.

Order—dated 15th October 1884, No. $\frac{2541\text{ W.}}{\text{A}}$, Public Works.

The erection of a church at Wellington has been sanctioned solely on behalf of the military population of that place, and it appears to the Right Honorable the Governor in Council that, in determining the site for the church, the convenience of that population should be chiefly consulted.

2. His Excellency the Commander-in-Chief is of opinion that, with this object in view, the church should be built upon Gun Hill (also called Parade Hill); and in that opinion the Government concur.

3. It is observed that the objection raised in the Ecclesiastical Department to the site on Gun Hill, viz., that the road to it passes near to the canteen, will soon disappear by the removal of the canteen to another part of the barracks.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, IV Circle.
" Consulting Architect to Government.
" Ecclesiastical Department.
" Military "

Exd. E. Fernandez.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of (1884) Madras.

PUBLIC WORKS.

Dated October, 15th.

Recd. *Encl.*

G.O., 15th Oct. 1884, No. $\frac{2541}{A}$ W.

OCTOBER.

Church at Wellington

Selecting "Gun Hill" as the site for the —.

22ND MARCH 1884, No. 61, ECCLESIASTICAL.

GOVERNMENT OF MADRAS.

ECCLESIASTICAL DEPARTMENT.

READ—again the following paper :—

G.O., dated 1st December 1883, Mis. No. 240, Ecclesiastical.

Read—the following G.O., dated 22nd November 1883, No. 3323-W., Public Works :—

Read—the following letter from the Secretary to the Government of India, Military department, to the Secretary to the Government of Madras, Public Works department, dated Simla, 7th November 1883, No. 1124 M.W. :—

In reply to your letter, No. 2611-W., dated 15th September 1883, I am directed to state, for the information of His Excellency the Governor in Council, that while admitting the need of a church at the Military depôt of Wellington, the Government of India regret that they are unable to sanction so large an expenditure of public funds as that proposed for the construction of a church to contain 300 sittings. Unless, therefore, private subscriptions to a considerable amount are forthcoming, the design should be revised with a view to effecting a material reduction of the cost.

The enclosures of your letter are returned herewith.

Order—dated 22nd November 1883, No. 3323-W., Public Works.

Communicated, with reference to Proceedings of Government, No. 2610-W., dated 15th September 1883, to the Military department, for the information of His Excellency the Commander-in-Chief.

2. The papers will be forwarded to the Consulting Architect to Government, who will submit a revised plan and estimate, reducing the cost as nearly as possible to the limit fixed by paragraph 1248 of the Public Works Code.

(True Extract.)

(Signed) C. BOWEN, Major, R.E.,
Under Secy. to Govt., P.W.D.

To the Military department.
" Superintending Engineer, IV Circle.
" Ecclesiastical department.
" Consulting Architect to Government, with plan and estimate, and copy of Proceedings, Nos. 2610-11 W., dated 15th September 1883.

Order—dated 1st December 1883, Mis. No. 240, Ecclesiastical.

Communicated to the Venerable the Archdeacon, in continuation of G.O., No. 198, 1st October last.

(True Extract.)

(Signed) C. G. MASTER,
Chief Secretary.

To the Venerable the Archdeacon, with plan and estimate.

Read—also the following papers:—

From the Venerable G. WARLOW, Archdeacon of Madras, to the Chief Secretary to Government, dated Madras, 19th December 1883, No. 944.

I have the honor to acknowledge the receipt of G.O., dated 22nd November 1883, No. 3323-W., Public Works, with reference to the proposal to build a Military church at Wellington.

2. His Lordship the Bishop concurs with me in thinking that it would be a great pity if this scheme were postponed; for the want of a church is very urgent, and the present state of things should give place to something better with as little delay as possible.

3. It would appear that the Government of India are not aware of the great cost of building on the Nílgiri Hills. The cost is more than double (as I am informed) that of building on the plains. Bearing this in mind, the outlay for the proposed church would not be excessive. The conditions under which it would be built are exceptional, and I trust that the Madras Government may be willing to refer the matter for reconsideration by the Government of India, with a statement of the relative cost of material and workmanship on the plains and on the hills, so as to fully justify the apparently large outlay.

4. As Wellington is inhabited exclusively by European troops, it is out of the question to solicit private subscriptions. Neither officers nor soldiers will contribute to building a Garrison church. They consider that they have a claim to be provided with a suitable place of worship, without any demand being made on their private means.

No. 252-C.

MEMORANDUM.

With reference to Proceedings of Government, No. 3323-W., dated 22nd November 1883, the undersigned has the honor to forward, for the opinion of the Right Reverend the Bishop, a plan, prepared by Major Morant, R.E., Officiating Consulting Architect to Government, for a church at Wellington, estimated to cost Rs. 38,161, as compared with Rs. 49,961, the estimated cost of the design previously prepared, and objected to by the Government of India as too expensive.

2. A comparative statement is also forwarded, showing how the saving, Rupees 11,800, has been arrived at.

3. It will be seen that this saving has been effected mainly by the omission of the following essential items:—

	RS.
Flooring	1,042
Chancel railing	150
Pulpit	600
Font	400
Altar and screen	1,000
Benches	3,230
Lightning conductor	100
Architect's fees for previous design	738
Proportionate contingencies	326
Total	7,586

and that the real reduction in cost will amount to only about Rs. 4,000.

4. The omitted items might, however, be allowed to stand over for the present, and the Government of India will perhaps accept the Rs. 11,800 as the "material reduction" ordered.

5. But it must be pointed out that it will be impossible to *complete* the church at any figure much below the amount of the first estimate, Rs. 49,961, without sacrificing all pretension to architectural design.

(Signed) J. SHAW-STEWART, Col., R.E.,
Secy. to Govt., P.W.D.

Chepauk,
4th February 1884.

To the Ecclesiastical department, with papers in original.

Enclosure.

From Major J. L. L. MORANT, R.E., Officiating Consulting Architect to Government, to the Chief Engineer, Public Works department, dated Chepauk, 22nd January 1884, No. 1405.

With reference to Public Works G.O., No. 3323-W, dated 22nd November 1883, and your office note, No. 2747-D, of 22nd December 1883, stating "the design is approved," I have the honor to submit detailed plans and an estimate of that approved design for a church at Wellington.

1 Tracing.
1 Detailed estimate and specification.
1 Duplicate abstract.

2. The 2 designs previously submitted by this office were estimated to cost Rs. 94,000 and Rs. 50,000, respectively. The plans of the church now submitted were prepared by me 10 years ago when I was Executive Engineer, Nilgiris. They will cost Rs. 38,161.

3. Paragraph 1,248 of the Public Works Code states "that to the superficial" area "(of proposed church)" may be applied a rate per superficial foot 25 per cent. in excess of that which prevails at the station for ordinary single-storied buildings. The result will represent the Government grant. All the barrack buildings at Wellington (except out-houses) are double storied, it being a hill sanitarium some 6,000 feet above sea-level. The above directed comparison or calculation cannot therefore be made. But to show that the estimated cost of the present design is not excessive, I may state that 2 churches have been erected on the Nílgiris within the last 20 years. Applying their rates to the total superficial area of the present proposal, the cost would be Rs. 45,000 and Rs. 55,000 much in excess of what the submitted design can be erected for, viz., Rs. 38,161.

4. Every effort has been made to keep down the cost of the building as the following description of the design will show:—

The Wellington church will be built on a stiff gravelly soil needing no special foundations. Foundations will be of good table-moulded bricks laid in mortar. The basement and walls will be also of best table-moulded bricks laid in mortar. The basement will appear higher outside than inside the building, it rising 2 feet above the ground outside, while the floor is 1 foot above the ground. (The ground is dry and on the apex of an elevation). The building will be of pointed brickwork outside, and the interior will be left (for the present) rough, so that it may be treated hereafter in any way that private funds may admit of. The pillars of nave, &c., will be entirely of cut-stone tooled fairly smooth. The jambs (and mullions of such windows as have them) will be of best gauged and moulded brick. The window frames will be of teakwood glazed (for the present) with common glass. The doors will be similarly treated except the 3 main external doors which will have stone pillars as shown on the plans. The copings of the gabels, the small hoodings round the doors and window arches, the truss brackets and the external drip stones at gable valleys will be of cut-stone. The belfry will be entirely of moulded brick. The roofs will be of teakwood, covered with corrugated iron laid on thin planks with felt between the planks and iron. Plenty of ridge ventilation is provided. The cresting will be of iron, the valleys being fitted with sheet lead. The roof drainage from upper roof over nave will flow through cut-stone cups laid in the tops of the flying buttresses on to aisle roofs, where it will pass off in the usual way. The floors will for the present be only of beaten mud and brick rubbish to be treated hereafter at pleasure from private funds. The seats are to be provided from the present temporary barrack-room church.

From the Rev. W. W. ELWES, Acting Bishop's Chaplain, to the Chief Secretary to Government, dated Madras, 15th March 1884, No. 317.

I have the honor, by desire of the Right Reverend the Bishop, to forward, enclosed, his observations on the proposed design for a church at Wellington, the plans of which were forwarded to him with your reference No. 461, dated 29th February 1884.

ENCLOSURE.

Observations on the proposed design for a Church at Wellington.

I. This design is very pleasing to the eye.

II. It appears calculated to hold about 300 people. This is a very low computation for such a station as Wellington. And the form of the church is such that it will not admit of enlargement, either by lengthening or by throwing out transepts, without injuring the proportions of the edifice. If the design is adopted it will always be necessary to have two parade services and the church-goers in the station will never be able to assemble altogether for worship.

The alternative would be to build a broader church, consisting of a chancel and short nave holding about the same number as the proposed church, but with the prospect of lengthening the nave at a future time.

III. There does not appear to be provision for sufficient ventilation. There are in some parts of the year at Wellington days when the atmosphere is stagnant and much ventilation is needed. Bearing in mind that the church will generally be filled, I think that the lower windows are not sufficient to keep pure the lower atmosphere within the church, and to prevent the feeling of suffocation among the female portion of the congregation. There ought to be in each lower window a few square feet, at least 4, which could be opened or closed according to circumstances.

IV. The number of steps between the nave and the east end is unnecessary and, in my judgment, undesirable. Three, or at the most four, is quite sufficient. There should be no raised portion of the floor within the rails. The holy table (which ought to be of moderate dimensions) should be so placed that a clergyman celebrating at the north side of the table can do so conveniently.

V. The bottom of the chancel windows appears to be so high as to afford little ventilation for the clergyman officiating.

VI. The clergyman's vestry is too small, it ought to be 10 feet by 8 feet.

MADRAS,
15*th March* 1884.

(Signed) F. MADRAS.

ORDER—dated 22nd March 1884, No. 61, Ecclesiastical.

Referred to the Public Works department for revision of the plan.

2. The proposed omission of the several items, including the altar, mentioned in the 3rd paragraph of the endorsement in the Public Works department, is not approved by Government in the Ecclesiastical department.

(True Extract.)

E. F. WEBSTER,
Chief Secretary,

To the Public Works department, with note and plan and estimates returned.
Copy to the Bishop's Chaplain.
" " Venerable the Archdeacon.

Exd. W. H. French.

2887/6

Govt. of (1884) Madras.

ECCLESIASTICAL.

Issued

Recd. *Encl.*

G.O., 22nd March 1884, No. 61.

MARCH.

Church at Wellington.

Referring certain papers to the Public Works department for revision of the plan for a —.

23rd May 1884, No. 1299 W., Public Works.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

Read—the following papers :—

From Major J. L. L. MORANT, R.E., Officiating Consulting Architect to Government, to the Chief Engineer, Public Works Department, dated Chepâk, 18th April 1884, No. 78.

In reply to Public Works Department G.O., No. 953 W., dated 7th April 1884, covering proceedings in the Ecclesiastical Department referring to the proposed church at Wellington, I have the honor to report that, in my humble opinion, no design which will effect a reduction in the estimate and at the same time present a fairly pleasing appearance can be prepared on the lines suggested by the Right Reverend the Bishop.

2. I beg to be allowed to enter a little fully into the points raised by His Lordship. The number of sittings for which provision is made was fixed by the Government of Madras, who, in their letter to the Government of India forwarding the first design (after giving good reasons for providing for 500 sittings), thus express themselves :—“ Looking to other urgent demands His Excellency the Governor in Council is not in a position to provide so large a sum as would be required to build a church for this number (*i.e.*, 500) but is prepared to set aside a sum not exceeding Rs. 50,000.” The Government of India, in replying to the above representation, express their inability to sanction so large an expenditure from the public funds as Rs. 50,000. Under these circumstances, is it of any practical use to think of accommodating in the church a larger number than 300 ? It is, however, possible in the building now designed to provide for some 500 persons as is shown by an arrangement of sittings drawn in blue on the plan. The edifice might also hereafter be enlarged by lengthening it for one or two bays at the west end and by adding to it north and south transepts, which, by taking up two bays of the nave, would be at least 20 feet wide. These additions might be so contrived as not, in my humble opinion, to materially injure the proportions of the edifice.

3. Ventilation was provided in the roofs of nave, chancel and aisles, but to meet His Lordship's wishes I have now provided additional apertures in other parts of the building, and arranged for the aisle windows to swing open on pivots. During the construction of the building, holes can also easily be left in the brick-walls just above the floor in such a way as to cause no direct draught. The clergyman's vestry will, when the work is carried out, be made larger, and every attention paid to His Lordship's desire for increased ventilation, &c.

4. I beg to be allowed to add a few observations on the reduction effected in the estimate. The reductions were alluded to not for the sake of an invidious comparison between my estimate and those of my predecessors, but in order to show that every effort had been made to meet the wishes of the Government of India that a reduction should be made in the cost of the building. The Ecclesiastical order states that “ the proposed omission of the several items including the altar is not approved by Government ;” but the seats, altar, chancel rails, pulpit and font already exist in the present barracks' church, and have only to be transferred to the new edifice when it is built. It seemed extravagant to estimate for new ones.

From the Reverend W. W. ELWES, Acting Bishop's Chaplain, to the Chief Secretary to Government, dated Kodaikanal, 24th April 1884, No. 329.

With reference to G.O., No. 61, Ecclesiastical, dated 22nd March 1884, I have the honor, by desire of the Right Reverend the Bishop, to state, for the information of Government, that the Wellington chaplaincy church committee have written as follows concerning the furniture now in use in the barrack-church at that station :—

> " The supply of church furniture at present in use is very substantial and sufficiently good for the purpose. It was originally supplied with the understanding that it should be used in the church as soon as it was erected.

From the Venerable J. F. BROWNE, Archdeacon of Madras and Commissary, to the Chief Secretary to Government, dated Madras, 6th May 1884, No. 36.

I have the honor to acknowledge the receipt of your memorandum, No. 961, of 2nd May 1884, and am desired by the Bishop to say that he approves of the design for the proposed church at Wellington altered as indicated in the Consulting Architect's letter.

No. 1041, Ecclesiastical.

The revised plan is approved and returned to the Public Works Department.

OOTACAMUND,
14th May 1884.

(Signed) E. F. WEBSTER,
Chief Secretary.

ORDER—dated 23rd May 1884, No. 1299 W., Public Works.

Ordered that the sanction of the Government of India be requested to the estimate as now reduced.

(Here enter No. 1300 W., dated 23rd May 1884.)

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Consulting Architect to Government.
,, Superintending Engineer, IV Circle.
,, Ecclesiastical Department.

Exd. E. Fernandez.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1884} Madras.

PUBLIC WORKS.

Dated May, 23rd.

Recd. *Encl.*

G.O., 23rd May 1884, No. 1299 W.

MAY.

Church at Wellington

Ordered that the estimate, as reduced, for a — be forwarded for the sanction of the Government of India.

23rd May 1884, No. 1300 W., Public Works.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

Letter—from

Colonel J. SHAW-STEWART, R.E.,
Secretary to the Government of Madras,
Public Works Department,

To

The SECRETARY to the GOVERNMENT of INDIA,
Military Department.

Sir,

In your letter, No. 1124 M.W., dated 7th November 1883, it was stated that the Government of India, while admitting the need of a church at the military depôt of Wellington, were unable to sanction so large an expenditure as Rs. 50,000, the amount proposed by the Madras Government; and it was suggested that, unless private subscriptions were forthcoming, the design should be revised with a view to effecting a material reduction of the cost.

2. As Wellington is inhabited exclusively by European troops, there is little prospect of raising funds by subscription. The design has therefore been modified so as to bring the cost down to Rs. 38,161. The estimate provides for nothing but what is considered really essential; and after careful consideration by all the authorities consulted, both ecclesiastical and professional, no further reduction can be suggested.

3. To the exceptional conditions which affect the rates for labor and materials on the Nílgiri plateau the comparatively high amount of the present estimate is mainly due. As contrasted, however, with the actual cost of construction of the two churches at the neighbouring station of Ootacamund, the estimate is moderate.

4. I am accordingly to forward the project to the Government of India, and to express a hope that the saving of Rs. 11,800 which has been effected will be regarded as the material reduction contemplated in your letter under acknowledgment.

I have the honor to be,
Sir,
Your most obedient servant,
(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

Ootacamund,
23rd May 1884.

Exd. E. Fernandez.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of (1884) Madras.

PUBLIC WORKS

Dated May, 23rd.

Recd. *Encl.*

23rd May 1884, No. 1300 W.

MAY.

Church at Wellington

Forwarding, for sanction, a reduced estimate for a —.

23rd May 1884, No. 1299 W., Public Works.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

Read—the following papers :—

From Major J. L. L. MORANT, R.E., Officiating Consulting Architect to Government, to the Chief Engineer, Public Works Department, dated Chepâk, 18th April 1884, No. 78.

In reply to Public Works Department G.O., No. 953 W., dated 7th April 1884, covering proceedings in the Ecclesiastical Department referring to the proposed church at Wellington, I have the honor to report that, in my humble opinion, no design which will effect a reduction in the estimate and at the same time present a fairly pleasing appearance can be prepared on the lines suggested by the Right Reverend the Bishop.

2. I beg to be allowed to enter a little fully into the points raised by His Lordship. The number of sittings for which provision is made was fixed by the Government of Madras, who, in their letter to the Government of India forwarding the first design (after giving good reasons for providing for 500 sittings), thus express themselves :—"Looking to other urgent demands His Excellency the Governor in Council is not in a position to provide so large a sum as would be required to build a church for this number (*i.e.*, 500) but is prepared to set aside a sum not exceeding Rs. 50,000." The Government of India, in replying to the above representation, express their inability to sanction so large an expenditure from the public funds as Rs. 50,000. Under these circumstances, is it of any practical use to think of accommodating in the church a larger number than 300? It is, however, possible in the building now designed to provide for some 500 persons as is shown by an arrangement of sittings drawn in blue on the plan. The edifice might also hereafter be enlarged by lengthening it for one or two bays at the west end and by adding to it north and south transepts, which, by taking up two bays of the nave, would be at least 20 feet wide. These additions might be so contrived as not, in my humble opinion, to materially injure the proportions of the edifice.

3. Ventilation was provided in the roofs of nave, chancel and aisles, but to meet His Lordship's wishes I have now provided additional apertures in other parts of the building, and arranged for the aisle windows to swing open on pivots. During the construction of the building, holes can also easily be left in the brick-walls just above the floor in such a way as to cause no direct draught. The clergyman's vestry will, when the work is carried out, be made larger, and every attention paid to His Lordship's desire for increased ventilation, &c.

4. I beg to be allowed to add a few observations on the reduction effected in the estimate. The reductions were alluded to not for the sake of an invidious comparison between my estimate and those of my predecessors, but in order to show that every effort had been made to meet the wishes of the Government of India that a reduction should be made in the cost of the building. The Ecclesiastical order states that "the proposed omission of the several items including the altar is not approved by Government;" but the seats, altar, chancel rails, pulpit and font already exist in the present barracks' church, and have only to be transferred to the new edifice when it is built. It seemed extravagant to estimate for new ones.

From the Reverend W. W. ELWES, Acting Bishop's Chaplain, to the Chief Secretary to Government, dated Kodaikanal, 24th April 1884, No. 329.

With reference to G.O., No. 61, Ecclesiastical, dated 22nd March 1884, I have the honor, by desire of the Right Reverend the Bishop, to state, for the information of Government, that the Wellington chaplaincy church committee have written as follows concerning the furniture now in use in the barrack-church at that station :—

> " The supply of church furniture at present in use is very substantial and sufficiently good for the purpose. It was originally supplied with the understanding that it should be used in the church as soon as it was erected.

From the Venerable J. F. BROWNE, Archdeacon of Madras and Commissary, to the Chief Secretary to Government, dated Madras, 6th May 1884, No. 36.

I have the honor to acknowledge the receipt of your memorandum, No. 961, of 2nd May 1884, and am desired by the Bishop to say that he approves of the design for the proposed church at Wellington altered as indicated in the Consulting Architect's letter.

No. 1041, Ecclesiastical.

The revised plan is approved and returned to the Public Works Department.

OOTACAMUND, (Signed) E. F. WEBSTER,
14th May 1884. Chief Secretary.

ORDER—dated 23rd May 1884, No. 1299 W., Public Works.

Ordered that the sanction of the Government of India be requested to the estimate as now reduced.

(Here enter No. 1300 W., dated 23rd May 1884.)

(True Extract.)

Major, R.E.,
Under Secy. to Govt., P.W.D.

To the Consulting Architect to Government.
,, Superintending Engineer, IV Circle.
,, Ecclesiastical Department.

Exd. E. Fernandez.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of (1884) Madras.

PUBLIC WORKS.

Dated May, 23rd.

Recd. *Encl.*

G.O., 23rd May 1884, No. 1299 W.

MAY.

Church at Wellington

Ordered that the estimate, as reduced, for a — be forwarded for the sanction of the Government of India.

23rd May 1884, No. 1300 W., Public Works.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

Letter—from

Colonel J. SHAW-STEWART, R.E.,
Secretary to the Government of Madras,
Public Works Department,

To

The SECRETARY to the GOVERNMENT of INDIA,
Military Department.

Sir,

In your letter, No. 1124 M.W., dated 7th November 1883, it was stated that the Government of India, while admitting the need of a church at the military depôt of Wellington, were unable to sanction so large an expenditure as Rs. 50,000, the amount proposed by the Madras Government; and it was suggested that, unless private subscriptions were forthcoming, the design should be revised with a view to effecting a material reduction of the cost.

2. As Wellington is inhabited exclusively by European troops, there is little prospect of raising funds by subscription. The design has therefore been modified so as to bring the cost down to Rs. 38,161. The estimate provides for nothing but what is considered really essential; and after careful consideration by all the authorities consulted, both ecclesiastical and professional, no further reduction can be suggested.

3. To the exceptional conditions which affect the rates for labor and materials on the Nílgiri plateau the comparatively high amount of the present estimate is mainly due. As contrasted, however, with the actual cost of construction of the two churches at the neighbouring station of Ootacamund, the estimate is moderate.

4. I am accordingly to forward the project to the Government of India, and to express a hope that the saving of Rs. 11,800 which has been effected will be regarded as the material reduction contemplated in your letter under acknowledgment.

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

Major, R.E.,
Under Secy. to Govt., P.W.D.

Ootacamund,
23rd May 1884.

Exd. E. Fernandez.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1884} Madras.

PUBLIC WORKS

Dated May, 23rd.

Recd. *Encl.*

23rd May 1884, No. 1300 W.

MAY.

Church at Wellington

Forwarding, for sanction, a reduced estimate for a —.

No. 44 E. P.W. Department

Letter from the Consulting Architect to Government No. 78 dated 18th April 1884.

Transferred to the Ecclesiastical department, with advertence to Proceedings in that department dated 22d March /84 No. 61, and with remark that most of the objections taken to the design appear to have been satisfactorily met and explained.

2. Owing to the high cost of building on the Nilgiris, as already pointed out in Memorandum No. 252.C d/4th February /84, it is considered in this department to be impossible to construct a suitable Church at

Codes

Wellington at any figure much below the amount of the first estimate, without sacrificing all pretension to Architectural design.

J Maw Stewart

Col. R.E.

Secretary to Govt: P.W. Dept:

R/ 24 April/84

Ooty:
April 24. 1884

To
The Ecclesiastical Dept: ✓

ML/o 41 - 22-2-84
Ms/o 198 - 1-10-83.

[0] Eccl. No. 120

From

P. W. Dept

No 44 E.

Ootacamund
2nd May 1884

Pd $\frac{E. 6}{4369/84}$

No 961

No.

Dated & Received 24th April /84

Enclosures 7.

SUBJECT.

Wellington Church

*Referred to the Right Reverend the Bishop for any further remarks he may wish to make regarding the revisions.

Chief Secretary.

*Letter & 7 enclosures (including Plan)

For

With Endorsement

Read the following papers:-

p1

P. W. D.

Consulting Architect's Office,
Chepauk, Madras,
18th April 1884.

No. 78

From

The Consulting Architect to the Government of Madras,

To

The Chief Engineer, Public Works Department.

23rd [illegible] No 1299 [illegible]
[illegible]
Civil Works

Sir,

Enclosures. 2

In reply to P. W. D. G. O. No. 953 W dated 7th April 1884 covering Proceedings in the Ecclesiastical Department referring to the proposed Church at Wellington I have the honor to report that, in my humble opinion, no design which will effect a reduction in the Estimate and at the same time present a fairly pleasing appearance can be prepared on the lines suggested by the Right Reverend the Bishop.

2. I beg to be allowed to enter a little fully into the points raised by His Lordship:- The number of sittings for which provision is made was fixed by the Government of Madras, who in their letter to the Government of India forwarding the first design

(after giving good reasons for providing for 500 sittings) thus express themselves:— "looking to other urgent demands His Excellency "the Governor in Council is not in a position "to provide so large a sum as would be required "to build a Church for this number (ie 500) "but is prepared to set aside a sum not "exceeding Rupees 50,000." The Government of India in replying to the above representation express their inability to sanction so large an expenditure from the public funds as Rs 50,000. Under these circumstances is it of any practical use to think of accommodating in the Church a larger number than 300? It is however possible, in the building now designed, to provide for some 500 persons as is shewn by an arrangement of sittings drawn in blue on the Plan. The Edifice might also hereafter be enlarged by lengthening it for one or two bays at the west end and by adding to it North and South Transepts (which by taking up 2 bays of the Nave would be at least 20 feet wide) These additions might be so contrived as not in my humble opinion to materially injure the proportions of the Edifice.

3. Ventilation was provided in the roofs of Nave chancel and aisles but to meet his Right Reverend's wishes I have now provided additional apertures in other parts of the building, and arranged for the aisle windows to swing open on pivots. During the construction, of the building holes can also easily be left in the brick walls just above the floor in such a way as to cause no direct Draught. The Clergyman's vestry will when the work is carried out be made larger, and every attention paid to His Right Reverend's desire for increased ventilation &c.

4. I beg to be allowed to add a few observations on the reduction effected in the Estimate. The reductions were alluded to not for the sake of an invidious comparison between my Estimate and those of my predecessors but in order to shew that every effort had been made to meet the wishes of the Government of India that a reduction should be made in the cost of the building. The Ecclesiastical Order states that; "the proposed omission of the several items

"including the altar is not approved by Govt." But the seats, altar, chancel rails, pulpit, & font, already exist in the present barrack's Church, and have only to be transferred to the new Edifice when it is built. It seemed extravagant to estimate for new ones.

I have the honor to be

Sir

your most obedt. servant.

JHL Morant.

Major R.E.

Offg Comsg Archt. to Government

B. No 953 W 27. April 1884

4369/84

P. W. D.

Roads and Buildings.

From

THE CONSULTING ARCHITECT
TO THE GOVERNMENT OF MADRAS,

To

The Chief Engineer,
P. W. D.

No. 78

Dated 18th April 1884
Received 19

No 1299/1300 W a/ 23-5-84

No. OF ENCLOSURES. 2 (4 [illegible])

Subject.

Wellington Church

Eccl 120/1/84

O.F.S. 38/4.

Ecclesiastical Department

No 329

Kodaikanal
April 24. 1884

To the Chief Secretary
to the Government of Madras.

Sir,

With reference to G.O No 61 Ecclesiastical 22. March 1884" I have the honor, by desire of The Rt Rev: the Bishop, to state for the information of Government, that the Wellington Chaplaincy Church Committee have written as follows concerning the furniture now in use in the Barrack-Church at that Station.

"The supply of Church furniture at present in use is very substantial and sufficiently good for the purpose. It was originally supplied with the understanding that it should be used in the Church as soon as it was erected."

I have the honor to be
Sir
Your very obedient Servant
W. Weston Elwes
Actg. Bishop's Chaplain

B. 20

CU[illegible] 123

Ecclesiastical Department

No 329

O W Rec'd / 4369/82

From } The Ag Bishop's Chaplain
To } The Chief Secy. to Government

Dated } April 24. 1884
Received }

Subject

Regarding the furniture now in use in the Barrack-Church at Wellington

---

p.5

Madras. 6th. May. 1884

No. 36

To The Hon'ble
The Chief Secretary to Govt.
Ootacamund.

Sir,

I have the honor to acknowledge the receipt of your Memo: No. 761 of 2d May 1884, and am desired by the Bishop to say that he approves of the design for the proposed Church at Wellington altered as indicated in the Consulting Architects' letter.

I have the honor to be,
Sir,
Your Most Obedt. Servt.,
J. F. Browne
ARCHDEACON OF MADRAS. and Commissary

Eccl. [illegible] 130

From

The Venerable the
Archdeacon
Madras

No. 36.

Pd. 3/4369/84

Dd 6th May /84.

1/7 May /84

(Cur. 120 returned)

Approving de-
-sign for Wellington
Church

Current 123, + 130
Reference on Nos 120 ^ of 1883.

In replying the above should be quoted.

Ecclesiastical DEPARTMENT.

CHIEF SECRETARIAT. MADRAS.

READ the following papers:—

Endorsement of the Public Works Department 1884
dd 24th April 1884, No. 44 E.

Letter from the Ag. Bishop's Chaplain "
dd 24th April 1884, No. 329.

Letter from the Venerable the "
Archdeacon, dd 6th May 1884, No. 36.

No. 1041

p 6

The revised plan is approved and returned to the Public Works Department.

Forth Webster
Chief Secretary

Ootacamund
14th May 1884

To
The P. W. D. with Cur. 120, 123 + 130 Eccl.
+ a plan + a [illegible]
[illegible]

O.H. 38/5.

" Ecclesiastical Dept.

Ser.

44 E. 24 4 84

B. 953 W 7.4.84 x
A. 3323 W 22.11.83
B. 2610-11 W 15.9.83
1256 C 4.7.83
1070 C 15.6.83
A 1737 W 20.6.83
" 2741 W 20.10.82
" 4 W 3.1.79
274. 29.1.67
273. 29.1.67
584. 26.2.67
126. 16.1.68
~~137 (Eccl.) 2.2.66~~
2366. 26.7.66
2037. 28.6.66
33. 5.1.66
2897. 29.9.65

D.M.L. 43

Rw 23/5/84
Su 10 (1 plan)

No. 1299/1300 W a/23.5.84

P.W.S. 44/05
Civ/6/05

A

Public Works Department B.O.R. cl.

No. 1299 W

Proceedings of the Madras Government,

Under date the 23rd May 1884

Read the following:—

Letter from the Consulting Architect to Government	A.E. No. 78 d/ April, 18, 1884
Do. from the Acting Bishops' Chaplain	" " 329 d/ " 24, "
Do. from the Ven'ble The Archdeacon	" " 36 d/ May, 6, "
Endorsement thereon in the Ecclesiastical Department	" " 1041 d/ " 14, "

Ordered that the sanction of the Govt. of India be requested to the estimate as now reduced.

(A.E. No. 1300 W d/ 23rd May/84)

H.S. 29/5/84

To,
The Secy: to the Govt. of India,
Military Dept.

To,
The Consg Architect to Govt.
" S.E. IV Circle
" Ecclesiastical Dept.

Ser

Sir,

In your letter No. 1124 M.W. d/ 7th November 1883, it was stated that the Govt. of India, while admitting the need of a church at the military depôt of Wellington, were unable to sanction so large an expenditure as Rs 50,000/-, the amount proposed by the Madras Government;- and it was suggested that, unless private subscriptions were forthcoming, the design should be revised with a view to effecting a material reduction of the cost.

2. As Wellington is inhabited exclusively by European troops, there is little prospect of raising funds by subscription. The design has therefore been modified so as to bring the cost down to Rs 38,161. The estimate provides for nothing but what is considered really eſsential; and after careful consideration by all the authorities consulted both ecclesiastical and profeſsional, no further reduction can be suggested.

3. To the exceptional conditions which affect the rates for labour and materials on the Nilgiri plateau the comparatively high amount of the present estimate is mainly due. As contrasted however with the actual cost of construction of the two churches at the neighbouring station of Ootacamund, the estimate is

~~The Hon. H. E. Sul~~ 2

moderate.

4. I am accordingly to forward the project to the Government of India, and to express a hope that the saving of Rs 11,800/- which has been effected will be regarded as the material reduction contemplated in your letter under acknowledgment

W.
16.5.84

SECRETARY TO GOVERNMENT
19 MAY 84
P.W. DEPARTMENT MADRAS

Despd with
plan. detailed esto
abstract esto – &
Specification
27/5/84.

J – 1354

W
23.5

24TH AUGUST 1883, No. 2381 W., PUBLIC WORKS.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Military Works.

READ—the following paper:—

No. 235 E.

Proposals for the formation of a Military Works Branch of the Public Works Department for the Madras Command.

For several years all the Military Buildings connected with the Bengal Army, distributed over the northern provinces of India, some of the minor Administrations, and Burmah, have formed a charge distinct from the several local Departments of Public Works, designated the Military Works Department.

2. This Department has as its head the Inspector-General of Military Works (at present Colonel J. J. McLeod Innes, V.C.,R.E.) who is in direct communication with the Commander-in-Chief in India, and who has himself all the powers of a Local Government in regard to sanctions for works.

3. Posssesed thus not only of large independent powers, but brought into intimate relations with the Commander-in-Chief, and through him with the Government of India, the wants and requirements of the Bengal Army receive prompt and effectual attention.

4. In Bombay, where, however, disproportionately large sums have, as in regard to Civil Works, been the rule, difficulties have been experienced (see the Quartermaster-General's memorandum of 14th November 1882) from the fact that the Bombay Army is distributed over five different Civil Administrations, through each of which correspondence having to take place before reaching the Commander-in-Chief of that Presidency, there is a great deal of circumlocution, and funds are said at times to be diverted in a manner which could not occur if there were a responsible head, such as an Inspector-General for the Military Presidency.

5. In Madras owing to an analogous distribution of the local Army, as shown in Appendix A, correspondence has to pass through the Heads of several Administrations, the Provinces, &c., being—

(1) Madras.
(2) Mysore.
(3) Travancore.
(4) Orissa.
(5) Central Provinces.
(6) Hyderabad.
(7) British Burmah, to which must be added three stations in the Presidency of Bengal now occupied by Madras troops.

6. Where, as in the Central Provinces, the garrison is drawn from more than one Army a close scrutiny has to be maintained by the Officer Commanding as to the distribution of the budgeted amounts for the troops of the respective Armies, and in order to prevent any diversion or misapplication of the funds intended for each.

7. From the difficulty experienced in obtaining adequate establishment for the general works of this Presidency it has been found expedient to place all the Military Works, like those for Irrigation and Navigation, &c., under the General Establishment.

8. It thus arises that there is only one Executive Engineer's charge, and that of late formation, viz., of Fort St. George, Madras and Bangalore, which may be said

to be an exclusively Military Works Division. In it even there are some Civil Works.

9. Not only are the great Irrigation and Navigation Works of the country more generally attractive to the professional Engineer, than Military buildings, but as must with such an amalgamation of charges as that adverted to frequently happen, the Military Works fall to the charge of a Civil Engineer and even to a Civil Upper Subordinate who, in addition to lacking the needful experience, look, it is to be feared, on such works as of secondary importance.

10. As a fact also from the relatively small amounts which have been assigned by the Government of India for the Madras Military Budget (see margin) it has been found quite impossible to devote adequate funds to the repair and maintenance of the important military buildings of the Presidency. Not only are the fortifications and buildings in Fort St. George a striking example of neglect, but it is notorious that all over the Presidency a large outlay is now required to replace defective roof-timbers and effect much renewal which with the possibility of timely attention should never have been required, and which if left much longer unattended to, must lead to the most serious results.

Demand compared with the grants as made by the Government of India.

Year.	Demand.	Grant.
	RS.	RS.
1878-79	11,55,000	7,50,000
1879-80	11,47,500	6,96,712
1880-81	8,02,497	4,13,877
1881-82	4,10,629	4,10,000
1882-83	15,79,419	6,20,000

N.B.—In 1880-81 and 1881-82 the demands were, as a fact, much below the known urgent requirements.

11. Another material point connected with the inadequate supply of funds, and more particularly during the enforced rigid economy throughout the Afghan War, when this Presidency suffered more probably than any other, is the difficulty experienced in making a selection of Military Works Projects for entry in the Budget in their order of relative importance.

12. An inspection of the lists of military requirements which reach the Chief Engineer from the Quartermaster-General year by year exhibits a very singular state of matters in this respect; demands of the most pressing character jostling one another in a manner which prove how inadequate has been the supply of means in the past, and rendering selection a matter of the utmost difficulty.

13. The criticism of our Military Works Budget by the Government of India has latterly been most severe (undeservedly so, I would respectfully submit, if the facts were known) but the difficulties arising from the dearth of funds, both in regard to the supply of what is needful for repairs and for new buildings as above adverted to, are such that it is most essential to place this branch of the Public Works business as soon as possible on a well defined footing, under a responsible head who, while acting under the general control of the Inspector-General, should be in immediate communication with His Excellency the Commander-in-Chief of Madras.

14. The change now advocated is in accordance with what has long been understood to be the aim of the Government of India in constituting a Military Works Branch for the Bengal Army.

15. To the best of my judgment the officer specially selected for this responsible post should have the position of Superintending Engineer, and his circle of superintendence should extend to the whole Madras Command, with an establishment of four Executive Engineers, whose divisions would be somewhat as indicated in Appendix B.

16. At the present moment it would be needless to attempt to go into further detail as it will be seen that before giving effect to the scheme several questions affecting other provinces as well as Madras have to be decided by the Government of India.

17. Looking to the requirements of the Civil Works in this Presidency it would be impossible to eliminate any of the Superintending Engineers on the last sanctioned scale of the general Madras Public Works Establishment, in order to create without increase the proposed post for the Military Works Branch, although there is an officer, in every way highly qualified for the post, whose services could be placed at disposal.

18. Of the four Executive Engineers it may be assumed that two and possibly three of the officers in this grade, who are employed on Military Works in Burmah, Central Provinces and Hyderabad, would be available, leaving only one to be supplied by reduction of the Madras Establishment which I think may be fairly counted on.

19. Although the details of the establishment now engaged exclusively on Military Works are not available and would be difficult to ascertain, there can, I venture to think, be no doubt that even if leading to a slight increase of the general establishment charges, such will be amply repaid by improved efficiency in the management of the works.

20. Already in their Resolutions Nos. 1450—1472 G., dated 29th November 1881, the Government of India, have decided to transfer "all the business hitherto conducted in the Public Works Department in connection with Military Works * * to the Military Department," with effect from 1st January 1882, and the proposals now put forward are not only in consonance with this decision, but also with what is understood to be the recognized policy of the Government of India, to place these works everywhere throughout India under a separate branch of the Department, officered by Royal Engineers.

21. That in the interests of the buildings and works generally such a change is now urgently called for has, I trust, been made abundantly clear from the foregoing remarks, and that the Quartermaster-General's department would experience the greatest relief can hardly I think be questioned.

22. His Excellency the Commander-in-chief would, moreover, have on his staff an officer, in the person of the Superintending Engineer, who could at once give him a reliable professional opinion, instead of having to seek this through a circuitous channel.

23. Incidentally, moreover, it may be remarked, with reference to the question raised some little time since about the position of the Barrack Department in this Presidency, that the creation of a separate Military Works Branch would at least facilitate the transfer including the supplies of furniture, &c., to the Public Works Department should such be desired.

(Signed) R. H. SANKEY, Major-Genl., R.E.,
Chief Engineer, P.W.D.

20th July 1883.

Appendix A.

List of Military Stations, Madras Presidency.

Military Stations.	Provinces, Districts, &c.	Remarks.
Fort St. George	Madras Proper.	
St. Thomas' Mount		
Poonamallee		
Pallávaram		
Vellore		
Sámalkót		
Vizianagram		
Berhampore		
Wellington		
Trichinopoly		
Bellary		
Cannanore		
Malapuram		
Calicut		
Mangalore		

List of Military Stations, Madras Presidency—*cont.*

Military Stations.	Provinces, Districts, &c.	Remarks.
Bangalore	Mysore Provinces.	
Hosúr		
Trichoor	Travancore State.	
Trivandrum		
Cuttack	Orissa Commission.	
Kamptee	Central Provinces.	
Raipur		
Hoshungabad		
Sambalpur		
Seetabuldee		
Secunderabad	Hyderabad State.	
Tirumalgiri		
Rangoon	Provinces of British Burmah.	
Moulmein		
Thayetmyo		
Toungoo		
Port Blair		

N.B.—Dorunda, Hazeerabagh, Saugur and Jubulpore, in Bengal Presidency, are occupied by Madras troops.

Mercara, French Rocks, Mysore, Palamcottah, Chanda and Seroncha have been abandoned last year as Military posts.

Ootacamund,
2nd July 1883.

(Signed) R. C. STEWART, Colonel,
Offg. Quartermaster-General.

Appendix B.

The four Executive Divisions under the proposed Superintending Engineer might be composed as follows :—

Divisions.	Military Stations.
1. The Madras Division	Fort St. George. St. Thomas' Mount. Pallávaram. Vellore. Bangalore. Hosúr. Bellary. Trichinopoly.
2. The Secunderabad Division	Secunderabad. Tirumalgiri. Kamptee. Seetabuldee.
3. The Cannanore Division	Mangalore. Cannanore. Calicut. Malapuram. Wellington. Trichoor. Trivandrum.
4. The Burmah Division	Rangoon. Moulmein. Thayetmyo. Tounghoo. Port Blair.

N.B.—The work at all such minor stations as Hoshungabad, Raipur, Sambalpur, Berhampore, Vizianagram, Sámalkót, &c., can easily be executed by the Divisional Executive Engineers. These stations need not therefore form part of the scheme for the Military Works Branch.

Order—dated 24th August 1883, No. 2381 W., Public Works.

Ordered that the Government of India be addressed.

(Here enter No. 2382 W., dated 24th August 1883.)

(True Extract.)

(Signed) R. H. SANKEY, Major-General, R.E.,
Secretary to Govt., P.W.D.

Exd. E. Fernandez.

Spare Copies

BUILDINGS AND ROADS.
MILITARY WORKS.

Govt. of 1883 Madras.

PUBLIC WORKS.

Dated August, 24th.

Recd. *Encl.*

G.O., 24th Aug. 1883, No. 2381 W.

AUGUST.

Military Works Branch

Proposal for the formation of a — of the Public Works Department for Military Buildings in the Madras Presidency.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Military Works.

Letter—from
Major-General R. H. SANKEY, C.B., R.E.,
Secretary to the Government of Madras,
Public Works Department,

To
The SECRETARY to the GOVERNMENT of INDIA,
Public Works Department.

Sir,

I am desired to submit, for the favorable consideration and orders of His Excellency the Governor-General in Council, the accompanying memorandum on the formation of a Military Works Branch for Military Buildings in this Presidency. I am to add thereto the following observations.

2. The object of the proposal is, I am to say, to meet more promptly and effectually the many and various requirements of the Madras Army, to secure to the Military authorities fuller control over the funds assigned by the Government of India to this service, and to ensure the utilization of the same on works and repairs in the order of their urgency. Its scope, embracing as it does the requirements of the whole Presidential Army, extends to limits outside the jurisdiction of this Government, and to stations officered departmentally by a Public Works staff independent of His Excellency the Commander-in-Chief and, therefore, to some extent less influenced by his views and wishes than appears to be desirable.

3. The formation of a separate and distinct branch of the Public Works Department for the sole execution of Military Works pertaining to the Madras Army, on the same footing as that which has for some years worked successfully in Northern India, must, it can hardly be doubted, lead to economy and efficiency in work, and will enable the Commander-in-Chief to have that close control and supervision over Military Works outlay which it is essential he should exercise in the interests of the Army under his command. In fact, the conditions which called into existence the system of Military Works in the several provinces of Northern India apply with equal force to Madras, and that system having been found successful, the time has apparently, in the opinion of His Excellency in Council, arrived for extending it to the Southern Presidency.

4. The Superintending Engineer in charge of this Department of the Military Administration would, on the one hand, be, through Army Head-quarters, immediately *en rapport* with the Generals of Divisions and Districts, and, on the other hand, through the same channel, in correspondence with the Inspector General of Military Works. Thus he would be fully cognisant of the necessities of the several Military Sub-divisions of this Presidency, and of their relative importance, whilst he would be in a position to suit the style and mode of work to the real requirements.

5. To organize the establishment required, according to Chief Engineer's Appendix B, the Government of Madras is prepared to nominate as the Military Superintending Engineer an Executive Engineer, R.E., of the 1st Grade, and to transfer for charge of divisions two Royal Engineer officers. The Government of India will, it is hoped, have no difficulty in arranging to complete the Engineer Staff from Central Provinces, Burmah, and other Provinces affected by the scheme.

6. The minor details connected with the Assistant and Subordinate Establishments, the distribution and extent of ranges, the *personnel*, &c., can best be dealt with hereafter, but I am directed by His Excellency in Council to solicit that, should the Government of India assent to the general terms formulated above, very early orders may be issued so that the Military Budget of 1884-85 may be framed on the new basis and thus admit of the scheme coming into working effect on the 1st April 1884.

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

(Signed) R. H. SANKEY, Major-General, R.E.,
Secretary to Govt., P.W.D.

OOTACAMUND,
24th August 1883.

Exd. E. Fernandez.
Spare Copies

[illegible]

BUILDINGS AND ROADS.
Military ~~CIVIL~~ WORKS.

Govt. of {1883} Madras.

PUBLIC WORKS.

Dated August, 24th.

Recd. *Encl.*

24th Aug. 1883, No. 2382 W.

AUGUST.

Military Works Branch

PROPOSAL for the formation of a — of the Public Works Department for Military Buildings in the Madras Presidency.