(1) Number of pages 4

(2) Date of repair 19-6-87

(3) Initials of the Referencer

TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

DEPARTMENT

G.O. No. 1225 W — Press.
~~B.P. No.~~ — Mis.

Dated 25-4-1883. 198 .

Not to be folded or roughly handled.

Archives —I 10,006-9 80

1225

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following letter from Colonel H. L. PRENDERGAST, R.E., Superintending Engineer, Fifth Circle, to the Chief Engineer, Public Works Department, dated Chepauk, 11th April 1883, No. 184 :—

I have the honor to submit, for sanction, a plan and estimate of Rs. 690 for providing a lightning conductor to St. John's Church at Bangalore.

2. An estimate of Rs. 1,880 was sanctioned in G.O., No. 1435 W., dated 8th June 1881, but this provided for a conductor along the body of the building.

In your Circular, No. 203, dated 23rd June 1881, it is considered that an efficient conductor for the steeple is sufficient for the protection of a church, and the estimate previously sanctioned has been modified so as to provide the conductor for the spire only.

3. The work has not been carried out for want of funds, but there is at present the best opportunity for putting up the conductor in conjunction with some repair work. I shall, therefore, be glad if an allotment of funds can be made.

ORDER—dated 25th April 1883, No. 1225 W., Public Works.

The second revised estimate, amounting to Rs. 690, for providing a lightning conductor to St. John's Church at Bangalore, is sanctioned against the Minor Works Grant to the Presidency Division.

2. The difference between the first revised estimate for Rs. 1,880, sanctioned in G.O., No. 1435 W., dated 8th June 1881, and the present estimate is explained by the Superintending Engineer in the letter above recorded.

3. This sanction has been registered as Provincial No. 14 W. of 1883-84 and is classified as Civil Buildings, Original Works. It cancels Provincial No. 33 B. of 1881-82.

4. The Superintending Engineer should consider whether it would not be better to substitute $\frac{1}{2}$-inch copper rod levelled off at points for the $\frac{1}{4}$-inch copper wire proposed as a "terminal," and whether the attachment of the copper conducting band to the wooden blocks by means of iron spikes is not an objectionable arrangement. The abrupt angle in the conductor shown at junction of spire and tower should be eased off.

(True Extract.)

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

To the Superintending Engineer, Fifth Circle.
" Examiner, Public Works Accounts.
" Ecclesiastical Department.

Exd. C. Howarth.

Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1883} Madras.

PUBLIC WORKS.

Dated April, 25th.

Recd. *Encl.*

G.O., 25th April 1883, No. 1225 W.

APRIL.

St. John's Church, Bangalore

Revised estimate for providing a lightning conductor to —, sanctioned.

1225/W

No. 184

SUPERINTENDING ENGINEER'S OFFICE,
5TH CIRCLE, MADRAS,
Chepauk, 11th April 1883.

From

THE SUPERINTENDING ENGINEER,
5TH CIRCLE,

To

THE Chief Engineer
S.W.D.

SIR,

I have the honor to sub-
-mit for sanction a plan and
estimate of Rs. 690 for providing
a Lightning Conductor to St.
John's Church at Bangalore.

2. An Estimate of Rs.
-pees 1880 was sanctioned in
G.O. No. 1455 W dated 8th June
1881; but this provided for a Con
-ductor along the body of the
building -

In your Circular No. 203 dated

Enclosures.
1 Plan
1 Estimate

23d June 1881. it is considered that an efficient Conductor for the Steeple is sufficient for the protection of a Church, and the estimate previously sanctioned has been modified so as to provide the Conductor for the Spire only.

3. The work has not been carried out for want of funds; but there is at present the best opportunity for putting up the Conductor in conjunction with some repair work. I shall therefore be glad if an allotment of funds can be made.

I have the honor to be
Sir
Your Most Obedt Servt.

Lieut Prendergast
Coll. R.E.
Supernity Engr.
5 Circle

1225
3

Cir 481C - 26.2.83.
" 203 - 23.6.81.
Gv 1435W - 8.6.81.

From P.W.C.D. 3100

THE SUPERINTENDING ENGINEER,
5TH CIRCLE,

To
THE Chief Engineer
P.W.D.

Dated 11th April 1883.
Recd.

ENCLOSURES. 2

No. 184

St. John's Church —
Submitting for sanction an estimate for providing a Lightning Conductor to — at Bangalore.

O.O. Ry 21/4. Ret 25/4.
OS 30.4

1225
4

Public Works Department, 1883-84.

1225W

Current No. 3100
Letter No. 184
Dated the 11th April 1883
From the Sup. Engineer Fifth Circle

Note of Remarks.

1- The accompanying revised estimate, Rs 690, provides for the erection of a Lightning Conductor to St. John's Church at Bangalore.

2- The original estimate, sanctioned in G.O. No. 1435W of the 8th June 1881, amounted to Rs 1880 but has been modified, though to what extent, apart from the question of cost, it is impossible to say on the insufficient data furnished. There is one point requiring explanation:- in appendix A a minimum diameter of ½" is laid down for copper rope whereas rope of ¼" diameter

P.a.w.

I do not think it would be well to supersede Circular No 203. Economy should be studied & at same time conditions of Appendix A fulfilled in all main points. The Estimate seems to meet conditions of both fairly.

I. In the "terminal" referred to ¼" copper wire, that is rod, not rope, is proposed. ⅜" not ½" is the minimum diam. for copper rod, & I shall suggest such being used for the "terminal", tho' it is not clear that the "terminal" should have same section as conductor. I don't understand why the well should be sunk 400 ft. away, increasing cost thereby, but probably there is a reason for it. What I want to know now is whether a well 4 ft. diam & 80 ft. deep can be sunk for Rs. 37. Perhaps it can, but it seems to me it would cost much more than that. — CS
20/4

Connections between hand & blocks see back.

Dy W

From the tenor of the Specification it would seem that the well is to be such a distance away because wet earth cannot be found at any nearer spot —

With regard to cost of the well, please see para 258 of the P.W. Code. The S.E. is responsible for such details in the case of estimates below Rs. 5000. As the estimate is considered to be sufficiently in*

* harmony with the Standard Specn, a draft order is submitted. Cy 24/4

1225
4

diameter is given in estimate

4- It will be more satisfactory if any deviations be made, from the standard that a clear explanation of the causes be supplied-

[illegible]
[illegible] 83

To Dy W

For orders.

Circular No 203 of 23 June 1881 must apparently be considered as superseded by Circular No 481C of 26 Feby 83 issuing the Standard Specification on Lighting Conductors?

If so, the present plan & estimate must be returned for revision not only with reference to "diameter of rod" but also with reference to "Space protected"?

Cy 13/4

1225
5

In para 4 of order the words "levelled off" should be "levelled off" I think.

Ought not this alteration to made in each Circular

Cy

Dy W

A printer's error which has been corrected in this copy - All other copies will be similarly altered when sent down.

Cy 2/5

No 1225 W PUBLIC WORKS DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

1225/6

UNDER date the 25th April/83

READ the following

Letter from the Superintending Engineer Fifth Circle } H. E. No 184 dated 11th April 1883

The second revised estimate amounting to Rs 690 for providing a lightning Conductor to St John's Church at Bangalore, is sanctioned, against the minor works grant to the Presidency Division.

2. The difference between the first revised estimate for Rs 1880 is sanctioned in G. O. No 1435 W dated 8th June 1881 ~~for Rs 1880~~ and the present estimate

Estimate, is explained by the Superintending Engineer in the letter above recorded.

3. This Sanction has been registered as Provincial No. 14 W of 1883. 84 and is Classified as Civil Buildings, original works. It cancells Provincial No. 33 B of 1881. 82.

4. The Supl. Engineer should consider whether it would not be better to substitute ½" copper rod levelled off at points for the ¼" copper wire proposed as a "terminal", & whether the attachment of the copper conducting band to the wooden blocks by means of iron spikes is not an objectionable arrangement. The abrupt angle in the conductor shewn at junction of spike & tower should be eased off.

To
The Supl'g. Engr. Tenth Cycle with 3 [illegible]
" Exam'r. P.W. Accounts
" Ecclesiastical Deptt.
Dem
2/5

23/6 21/4

1225/7

3120

Govt. of 1883 Madras.

PUBLIC WORKS.

Dated 27/9

Recd. Encl.

G. O., 25th April 1883, No. 1225W

Nos.

St John's Church Bangalore

Revised
Estimate for providing
a lightning Conductor to
sanctioned

46
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Entered in Receipt Regist