(1) பக்கங்களின் எண்ணிக்கை 18

(2) புதுக்கித் திருப்பிய நாள் 12-98

(3) ஆதாரங்குறிப்பவர் சுருக்கொப்பம்

தமிழ்நாடு ஆவணக் காப்பகம்.

(60)

தமிழ்நாடு அரசு

P. W. D. துறை

அரசாணை எண்.	—	அச்சகம்
மு. கோப்புத் தாள் எண்.	1555	பலவகை

நாள் : 8 - 6 - 1891 19 .

மடிக்கவோ கண்டபடி கையாளவோ கூடாது

9. Sheets

ஆவண, கா-1—18,000—15-6-87.

87

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following paper:—

From J. W. MARTIN, Esq., Officiating Superintending Engineer, VI Circle, to the Chief Engineer, Public Works Department, dated Trichinopoly, 16th May 1891, No. 219 T.N.

In submitting a revised estimate, amounting to Rs. 5,830, with comparative statement, for renewing the roof of, and repairing, the Protestant church at Tuticorin, I have the honour to explain that, when the original estimate, amounting to Rs. 3,410, sanctioned in G.O., dated 13th November 1890, No. 2999 W., was prepared, it was thought the old palmyrah couples of the roof need not be renewed, but, on dismantling the roof, it was found that nearly all the couples are decayed and also two of the main beams. In these circumstances it is necessary to completely renew the roof and revise the estimate.

2. From the report you will observe that the span between the walls of the building is 33 feet and the angle of pitch of the old roof is about 45°. A span of 33 feet is altogether too much for roofing made with couples, so it is necessary to provide trusses of some kind. The plan of the building is hardly suitable for Gothic church roof trusses and ordinary king or queen post trusses would be heavy on account of the large span and unsuited to the style of the building. In these circumstances, the Executive Engineer proposes, and I think rightly, to provide light iron braced trusses and use Calicut Mission tiles for the covering, these being suitable for a roof with a steep pitch, as each tile is provided with a lip which prevents its slipping off the reeper; while, as regards the expense, there is only a slight difference between the cost of roofing with Mission tiles and common tiles on account of less timber being required for the former than for the latter. Accordingly the revised estimate, which I am now submitting for sanction, provides for iron trusses and Mission tiles.

3. The plans show the details of the various parts of the iron trusses and also there is a sheet of stress diagrams showing the strains of and scantling provided for the different parts.

P.S.—In the statement of demands for incomplete works submitted in this office No. 218 T.C. of the 8th May 1891, Rs. 2,368 were applied for for this work. I now request that this sum may be raised to Rs. 4,788, being the balance of the revised estimate now submitted.

ORDER—dated 8th June 1891, No. 1555 W., Public Works.

The revised estimate, amounting to Rs. 5,830, for renewing the roof of the Protestant church at Tuticorin, is sanctioned in supersession of the estimate of Rs. 3,410 sanctioned in G.O., No. 2999 W., dated 13th November 1890.

2. A sum of Rs. 4,788 will be allotted for the work in the orders on the statement of demands for incomplete works.

3. This sanction has been registered as Provincial No. 24 W. of 1891-92 and classified as Civil Buildings, Original Works.

(True Extract.)

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

To the Superintending Engineer, VI Circle, with nine enclosures.
" Examiner, Public Works Accounts.
" Ecclesiastical Department.

Exd. A. D. Xavier.
Spare Copies

1555/2

BUILDINGS AND ROADS.
CIVIL WORKS.

Gobt. of {1891} Madras.

PUBLIC WORKS.

Dated June, 8th.

Recd.

Encl.

G.O., 8th June 1891, No. 1555 W.

JUNE.

Protestant Church at Tuticorin

Revised estimate for renewing the roof of the —, sanctioned.

Public Works Department.

1555/7

Current No. 5441

Letter No. 219 T.N.

Dated 16th May 91

From the S.E. VI Circle

Sanctions
O.W.B
28/6/91

NOTE OF REMARKS.

The revised estimate under review amounting to Rs 5,830 provides for renewing the roof of Protestant Church at Tuticorin has been submitted for sanction in supersession of the Estimate Rs 3,410 Sanctioned in G.O.No. 2999 W dated 13th November 1890.

The excess over original Estimate is Rs 2,420.

The necessity for revision is due to the old palmyrah couples and a beam being found decayed.

It is now proposed to use wooden trusses with iron ties & to roof the same with mission tiles.

The necessity for this arrangement is fully explained

S.Rly 1555/6

Before I work over this estimate please let me know if this cent. post. cumbe abolished, under recent orders abt. chunkers

O.W.B
27.5.91

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1891} Madras,

PUBLIC WORKS.

Dated June, 8th.

Read.

Encl.

G.O., 8th June 1891, No. 1555 W.

JUNE.

Protestant Church at Tuticorin

Revised estimate for renewing the roof of the —, sanctioned.

Public Works Department.

Current No. 5441

Letter No. 219 T.N.

Dated 16th May 91

From the S.E. VI Circle

Sanctions
Ors
28/5/91

Note of Remarks.

The revised estimate under review amounting to Rs 5,830 provides for renewing the roof of Protestant Church at Tuticorin has been submitted for sanction in supersession of the Estimate Rs 3,410 Sanctioned in G.Os. 2979 W dated 13th November 1890.

The excess over original Estimate is Rs 2,420.

The necessity for revision is due to the old palmyrah couples and a beam being found decayed.

It is now proposed to use wooden trusses with iron ties & to roof the same with mission tiles.

The necessity for this arrangement is fully explained

in the report.

The rates as far as can be checked are fair.

The revised plan & estimate have not been countersigned by the Archdeacon, but the original plan & estimate have been submitted by that Officer & they were approved in the Ecclesiastical Department.

Cmsj
26. 5. 91

5441

Dw

155/5

The work provided for in this estimate is strictly speaking a repair work. It is classified as "original work" because the cost exceeds one fourth the value of the building.

It is not an enlargement or improvement falling under Rule XVII, Appendix D.

Under Rule XXVII the estimate can be sanctioned if approved by Govt. in appeals or upon

to Chaplain full 4/

4/ Dy

OFFICE OF THE SUPERINTENDING ENGINEER,
6TH CIRCLE.

Trichinopoly, 16th May 1891

D/18

W. Martin Esqr
Superintending Engineer,
6TH CIRCLE.

155/5

Executive Engineer.
PUBLIC WORKS DEPARTMENT.

Submitting a revised estimate for Rs 5830 with corrected statement for renewing and repairing the roof of St Thomas Church at Tuticorin, the time to explain when the original estimate amounting to Rs 3,410 sanctioned vide 13th November 1890, was prepared it was thought that although couples of the roof need not be renewed, on dismantling the roof it was found that nearly all the couples are decayed, and also two of the main beams. In this circumstances it is necessary to completely renew the

in the report.

The rates as far as can be checked are fair.

The revised plan & estimate have not been countersigned by the Archdeacon, but the original plan & estimate have been submitted by that Officer & they were approved in the Eccles-astical Department

Cust.
26. 5. 91

& An estimate ... not been ch... by the Secre...

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2...

OFFICE OF THE SUPERINTENDING ENGINEER,
6TH CIRCLE.

No. 2197 W

Trichinopoly, 16th May 1891
D/10th

From
J. W. Martin Esqr
The Superintending Engineer,
6TH CIRCLE.

To
The Chief Engineer,
PUBLIC WORKS DEPARTMENT.

SIR,

ENCLOSURES. 5
4 Plans
1 Revised Estimate with report & Comparative Statement

In submitting a revised estimate amounting to Rs 5830 with comparative statement for renewing the roof and repairing the Resident Church at Tuticorin, I have the honor to explain that when the original estimate amounting to Rs 3,410 sanctioned in G. O. dated 13th November 1890, P. 2999 W was prepared it was thought the red palmyrah couples of the roof need not be renewed, but on dismantling the roof it was found that nearly all the couples are decayed, and also two of the main beams. In these circumstances it is necessary to completely renew the

roof and revise the estimate.

2. From the report you will observe that the span between the walls of the building is 33 feet and the angle of pitch of the old roof is about 45°. A span of 33 ft. is altogether too much for roofing made with couples so it is necessary to provide trusses of some kind. The plan of the building is hardly suitable for Gothic flunch roof trusses, and ordinary king or queen post trusses would be heavy, on account of the large span, and unsuited to the style of the building. In these circumstances the Executive Engineer proposes, and I think rightly, to provide light iron braced trusses and use Calicut mission tiles for the covering these being suitable for a roof with a steep pitch as each tile is provided with a lip which prevents its slipping off the battens; while as regards the expense there is only a slight difference between the cost of roofing with Mission tiles and common tiles or tiles and common tiles on account of less timber being required for the former than for the latter. Accordingly the revised estimate which I am now submitting for sanction provides for iron trusses and mission tiles.

3. The plans show the details of the various parts of the iron trusses and also there is a sheet of these diagrams showing the strains &c. and scantling provided for the different parts.

I have the honor to be
Sir
Your most obed. Servt.

Offg. Suptg. Engineer
S. Circle.

P. S. In the Statement of demands for incomplete works submitted in this office No. 210 C of the 8 May 91, Rs. 2368 were applied for for this work; I now request that this sum may be raised to Rs. 4708, being the balance of the revised estimate now submitted.

P. W. C. No. 5441 P. Ann. 2992 & 13.11.91

P. W. D. 6TH CIRCLE.

From

The Superintending Engineer,

6th Circle.

To

THE CHIEF ENGINEER,

PUBLIC WORKS DEPARTMENT.

No. 219 TW

Dated 16th
Received 20th } May 1891

Enclosures. 5 4/4 plans

Submitting for sanction a revised Estimate of Rs. 5830 for renewing the roof of Protestant Church at Tuticorin.

Ord 5.91
Ad 5

OLs 3576

C/6 28-6-91

PUBLIC WORKS DEPARTMENT.

55/8 No 1555TW

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Dated 20-5-91

READ the following

From the Pub. E./VI Circle No 219 T.W. dt 16.V.91

the revised estimate amounting to Rs 5830 for renewing the roof of the Protestant Church at Tuticorin is sanctioned in supersession of the estimate of Rs 3410 sanctioned in G.O. No 2999 W. dated 13th November 1890.

2. A sum of Rs 4788 will be allotted for the work in the ordeas on the statement of demands for incomplete works.

3. This sanction has been registered as Provincial No 24 W of 1891-92

Civil Works

1891-92 to classified as Civil Buildings, Original Works.

A.L.S. 10/3/91 & 5 Encl.

1555/9

3

17

7 Encl. 8. 6-91

5 Encl.

D 30/7/91

The S. G. VI Circle with 9 enclosures. & Ex. P. W. Acct. & Ecclesiastical Acct.

C.L.S. 30/6

C.S. for C-i 4/6/91

A.G.G. 5/6/91

G 6/6/91

5441

Govt. of [18] Madras.

PUBLIC WORKS.

Dated 10/10/94

Read

Encl.

G.O., 8 June 1891. No. 1555 W

Protestant Church at
Tuticorin
Revised estimate for renewing
the roof of the
Sanctioned.

54

(9)

9