

(1) பக்கங்களின் எண்ணிக்கை 16

(2) புதுக்கித் திருப்பிய நாள் 21/9/00

(3) ஆதாரங்குறிப்பவர் சுருக்கொப்பம்

## தமிழ்நாடு ஆவணக் காப்பகம்.

தமிழ்நாடு அரசு

P.W.D. துறை

52

அரசாணை எண்.  
மு. கோப்புத் தாள் எண்.

3476

அச்சகம்  
பலவகை

நாள் : 6-12-1889

198

மடிக்கவோ கண்டபடி கையாளவோ கூடாது

8 sheets

For

ஆவண - கா-1-18,006-15-6-87.



GOVERNMENT OF MADRAS.  
PUBLIC WORKS DEPARTMENT.

Buildings and Roads.  
Civil Works.

READ—the following paper:—

Proceedings of the Board of Revenue (Separate Revenue), dated 20th March 1889, Mis. No. 1037.

Read—the following letter from H. M. WINTERBOTHAM, Esq., Collector of Malabar, to the Secretary to the Commissioner of Salt, Abkari and Separate Revenue, dated 14th March 1889, No. 250:—

I have the honor to forward herewith, for Government sanction and provision of funds, a plan and estimate, amounting to Rs. 4,320, for repairing and partially reroofing with mission tiles the goods sheds attached to the new Sea Custom House, Calicut, together with a report, specification and abstract of the estimate received from the Superintending Engineer, IV Circle, with his letter (copy enclosed) of the 9th instant, No. 76-M.

2. The European mercantile firms at Calicut pay a rent to Government for the use of the above sheds. They have repeatedly represented that their goods stored therein would suffer severe damage in the coming monsoon season in consequence of the leaky state of the corrugated iron roofing. The Executive Engineer, West Coast division, was accordingly requested to take on hand the repairs sanctioned as per

\* No. 1104, dated 23rd November 1888. G.O., No. 1316, Financial, dated 16th December 1887. In his reply\* the Executive Engineer stated that he found almost the whole of the corrugated iron roofing to be eaten through by the sea air, and that to replace the sheeting with mission tiles, the most enduring form of roof, would cost a large sum (about Rs. 7,000). He further stated that he found it impossible to procure any composition with which to coat the existing iron roof as a palliative measure.

3. In his report, dated 24th January 1889, accompanying the present estimate, the Executive Engineer proposes (in order to reduce the cost) to reroof half the sheds with mission tiles, removing the sheets of iron carefully, and after coating the upper surface of the sheets in the undisturbed half of the roof with a mixture of tar and sand, to lay the sheets removed from the other half upon them, and to secure them well down.

4. If this plan is followed, half the length of roof will then consist of mission tiles and the other half, of a double roof of corrugated iron, with an intermediate layer of sand and tar. I can suggest no cheaper method of making the roof water-tight, and beg therefore to recommend that the work may be sanctioned at an early date so as to admit of the repairs being carried out before the monsoon.

Read—also the following letter from the same Officer, dated 15th March 1889, No. 253:—

In continuation of my letter, dated 14th March 1889, No. 250, I have the honor to point out that the Public Works Provincial budget for the year 1889-90 contains a provision (item 48) of Rs. 2,000 for providing an office for the Assistant Superintendent of Sea Customs at the old Custom House, Calicut. This project must be held in abeyance till it is determined whether the railway is to be extended to the beach, and the want of the office is not in my opinion an urgent one. The provision may therefore be utilized in repairing the roof of the sheds at the new Custom House.



*Resolution*—dated 20th March 1889, Mis. No. 1037.

The estimate, amounting to Rs. 4,320, for repairing and partly reroofing the goods sheds attached to the new Sea Custom House at Calicut is submitted for the sanction of Government.

2. The work is to be executed by the Public Works Department, and the Collector points out that the sum of Rs. 2,000 entered in the Provincial Public Works budget for 1889-90 for providing office accommodation at the old Sea Custom House at Calicut can be utilized for the work now proposed.

3. Early orders are requested as it is essential that the work should be carried out before the monsoon.

(True Copies and Extract.)

(Signed) HERBERT BRADLEY,  
Secretary.

No. 1958, Revenue.

Approved and transferred to the Public Works Department.

FORT ST. GEORGE,  
27th March 1889.

(Signed) C. A. GALTON,  
Secretary to Government.

*Note by the Chief Engineer, General and Buildings and Roads Branch.*

The purlins should be increased in scantling from 6" x 6" to 8" x 8", and probably the section of the existing hip rafters is insufficient.

2. The section of the roof shown on the plan gives 21 feet as the length of the common rafters, but the estimate provides for 19 feet rafters, and this length will be sufficient if it allows the feet of the rafters to be on a line drawn from the bottom of the tie beam of the truss as marked on the plan in red ink.

*ORDER*—dated 16th April 1889, No. 1044 W., Public Works.

The estimate, amounting to Rs. 4,320, for repairing and partly reroofing the goods sheds attached to the Sea Custom House at Calicut, is sanctioned.

2. The sum of Rs. 2,000 provided in the preliminary issue of the Provincial budget for 1889-90 for the construction of an office for the Assistant Superintendent of Sea Customs at Calicut will be withdrawn in the final issue as proposed by the Collector and allotted to the work above sanctioned.

3. Attention is drawn to the note by the Chief Engineer, Public Works Department, recorded above.

4. The sanction accorded in para. 1 of these Proceedings has been registered as Provincial No. 2 W. of 1889-90 and classified as Civil Buildings, Original Works.

(True Extract.)

(Signed) R. R. E. DRAKE-BROCKMAN, Lt.-Col., R.E.,  
Ag. Joint Secy. to Govt., P.W.D.

To the Superintending Engineer, IV Circle, with five enclosures.

„ Examiner, Public Works Accounts, with the duplicate abstract estimate.

„ Revenue Department.

Exd. J. Henricus.

Spare Copies

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BUILDINGS AND ROADS.  
CIVIL WORKS.

Govt. of {1889} Madras.

PUBLIC WORKS.

Dated April, 16th.

Recd.

Encl.

G.O., 16th April 1889, No. 1044 W.

APRIL.

Sea Custom House at Calicut

Estimate for repairing and partly re-roofing the goods sheds attached to the —, sanctioned with remarks.

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24TH OCTOBER 1889, No. 3013 W., PUBLIC WORKS.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.  
Civil Works.

READ—the following :—

Proceedings of the Board of Revenue (Separate Revenue), dated 18th September 1889, Mis. No. 3246.

Read—the following letter from H. M. WINTERBOTHAM, Esq., Collector of Malabar, to the Secretary to the Commissioner of Salt, Abkari and Separate Revenue, Madras, dated 12th September 1889, No. 783 :—

The Government in their Order, No. 1044 W., Public Works Department, dated 16th April 1889, communicated with Board's Proceedings, Mis. No. 1796, dated 21st May 1889, sanctioned a project for re-roofing the goods sheds attached to the Calicut Custom-house at a cost of Rs. 4,320.

One-half the existing iron roofing was to be removed and placed so as to form a double iron roof on the remaining half. The denuded half was to be roofed with German Mission tiles.

2. When the work was taken in hand the merchants represented that the tiled portion would be utterly unsafe to warehouse valuable goods like ginger, tea, coffee and cardamoms.

The German Mission tiles are very large and the reapers on which they rest are far apart. A thief on a dark night might easily climb the roof by a bamboo, remove two or three tiles, saw through a reeper, and thus be enabled habitually to plunder the contents of the sheds.

3. The objection is well founded, and the Executive Engineer has been obliged to change his project, and now recommends that tiles should be placed upon the whole of the old iron roofing as the only means of making it water-tight. The amount of the revised estimate, which is herewith submitted (with its enclosures), comes to Rs. 8,430.

4. I regret that the objection to the first proposal was not sooner detected, but I can only now request that the sanction of Government may be obtained for the provision of Rs. 4,110 being the difference between the amount originally sanctioned and of the revised estimate to enable the Public Works Department to carry out the work.

A copy of the Executive Engineer's letter, No. 893, dated 31st August 1889, on the subject is enclosed.

Resolution—dated 18th September 1889, Mis. No. 3246.

The revised estimate, received with the above letter, for re-roofing the goods-shed attached to the new Custom-house at Calicut, amounting to Rs. 8,430, against the original estimate of Rs. 4,320, is submitted for the sanction of Government. The sanction to the original estimate was communicated in G.O., dated 10th May 1889, Mis. No. 2961.

2. As pointed out by the Executive Engineer, if the present estimate is sanctioned a sum of Rs. 6,430 will have to be provided in the Public Works Department,

3



as the final issue of the Provincial Civil Works budget estimate contains an allotment of only Rs. 2,000.

(True Extract.)

(Signed) HERBERT BRADLEY,  
Secretary.

No. 6555, Revenue.

Approved and transferred to the Public Works Department.

FORT ST. GEORGE,  
12th October 1889.

(Signed) J. GROSE,  
Ag. Secretary to Government.

*Note by the Acting Chief Engineer, Public Works Department, General Buildings and Roads Branch.*

In his letter No. 1104 of 23rd November 1888, the Executive Engineer, West Coast Division, informed the Collector of Malabar that it would cost about Rs. 7,000 to roof with Mission tiles the goods sheds of the Sea Custom-house at Calicut; and in order to save expense it was proposed to roof half the sheds with tiles and the other half with double sheets of corrugated iron, and an estimate of Rs. 4,320 was sanctioned for this purpose in G.O., No. 1044 W., dated 16th April 1889.

2. It now appears that the merchants of Calicut are not satisfied that the tiled portion of the sheds will afford sufficient protection against theft.

3. The Chief Engineer does not consider that a Mangalore tiled roof can be as easily broken through as is supposed, but the double roofing proposed is more suitable for the climate of the West Coast, and it is desirable that the nature of the roofing should be continuous throughout the sheds. The revised estimate is accordingly submitted for the sanction of Government.

CHEPÂK, (Signed) R. R. E. DRAKE-BROCKMAN, Lieut.-Col., R.E.,  
21st October 1889. Ag. Chief Engineer, P.W.D.

ORDER—dated 24th October 1889, No. 3013 W., Public Works.

The revised estimate, amounting to Rs. 8,430, for re-roofing the goods sheds attached to the Sea Custom-house at Calicut, is sanctioned in supersession of the estimate of Rs. 4,320 sanctioned in G.O., No. 1044 W., dated 16th April 1889.

2. A sum of Rs. 2,000 has been provided for the work in the final issue of the current year's Provincial budget. As funds are not at present available with the Government, the question of supplementing the grant will be considered later in the year.

3. This sanction has been registered as Provincial No. 76 W. of 1889-90, and classified as Civil Buildings, Original Works.

(True Extract.)

(Signed) R. R. E. DRAKE-BROCKMAN, Lt.-Col., R.E.,  
Ag. Joint Secy. to Govt., P.W.D.

To the Superintending Engineer, IV Circle, with five enclosures.  
" Examiner, Public Works Accounts, with the duplicate abstract estimate.  
" Revenue Department.

Exd. J. Moses.  
Spare Copies

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BUILDINGS AND ROADS.  
CIVIL WORKS.

Govt. of {1889} Madras.  
PUBLIC WORKS.

Dated October, 24th.

Recd.

Encl.

G.O., 24th Oct. 1889, No. 3013 W.

OCTOBER.

Sea Custom-house at Calicut

Revised estimate for re-roofing the goods  
shed attached to the —, sanctioned.

18TH NOVEMBER 1889, No. 3277 W., PUBLIC WORKS.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.  
Account.

ORDER—dated 18th November 1889, No. 3277 W., Public Works.

The following appropriations are made from the Provincial reserve with the  
Government:—

|                                                                                                          | RS.    |
|----------------------------------------------------------------------------------------------------------|--------|
| 1. Provincial stock, Dowlaishweram Workshops ... ..                                                      | 3,330  |
| 2. Converting the bastion cells in the Vellore Fort into a sub-jail<br>for the Tahsildar's office ... .. | 2,410  |
| 3. Providing record-racks for the Collector's office at Chittoor ...                                     | 1,254  |
| 4. Constructing four temporary dams across the Cooum river ...                                           | 519    |
| 5. Constructing a latrine for the Head Assistant Collector's office<br>at Hospet ... ..                  | 521    |
| 6. Constructing a store-shed in the Executive Engineer's yard at<br>Bellary ... ..                       | 420    |
| 7. Civil Buildings, Repairs, Bellary division ... ..                                                     | 700    |
| 8. Providing additional accommodation to the Rajahmundry College                                         | 5,000  |
| 9. Divisional office building at Chettipet ... ..                                                        | 3,955  |
| 10. Sub-Registrar's office at Súlúr ... ..                                                               | 1,000  |
| 11. Civil Buildings, Repairs, Tanjore division ... ..                                                    | 2,000  |
| 12. Re-roofing the goods-shed attached to the Sea Custom House,<br>Calicut ... ..                        | 2,000  |
| 13. Tools and plant, Ganjam division ... ..                                                              | 400    |
| Total ... ..                                                                                             | 23,509 |

(True Extract.)

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

To the Superintending Engineer, I Circle.  
" " " III "  
" " " IV "  
" " " V "  
" " " VI "  
" Examiner, Public Works Accounts.  
" Revenue Department.

Exd. J. Moses.  
Spare Copies



GENERAL.  
ACCOUNT.

Govt. of {1889} Madras.

PUBLIC WORKS.

Dated November, 18th.

Recd.

Encl.

G.O., 18th Nov. 1889, No. 3277 W.

NOVEMBER.

**Funds**

Making appropriations for certain works  
from the Provincial Reserve.

No. 598.

Executive Engineer's Office,  
West Coast Division.

Camp Mangalore 16<sup>th</sup> November/89.

From

Colonel A. J. Fraser R.E.,  
Executive Engineer,  
West Coast Division.

To

The Superintending Engineer,  
4<sup>th</sup> Circle.

Sir,

I have the honor with reference  
to Government order No. 3013 W dated 24<sup>th</sup>  
October 1889, to request that, as it is of  
importance to go on with the tiling of the  
Calicut Custom House sheds over at least  
half the range of these, preparatory to  
the approaching export season, for which  
a contract is also in existence, that  
for the present funds to the extent of  
Rs. 2320 be transferred from the allotment  
Budget item No. 12 Collector's Catcherry,  
Calicut

\*  
Two thousand  
three hundred  
and twenty.

6



Calicut with the progress of which  
this transfer will not sensibly interfere.

I have &c

Signed / A. T. Fraser, Col. R.E.,  
Executive Engineer.

No 519  
B.M.

Copy forwarded to the Chief  
Engineer P. W. Department with a request  
that he will be good enough to obtain  
orders of Government on the proposed  
transfer of funds.

Wm. Cusack Major R.E.,  
Superintending Engineer & Circle

Cumulator

21<sup>st</sup> November 1889

En.

3476

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Kraj



Dec. 11. 1884  
From  
The Supg. Engrs  
4 Circle

Dated 21<sup>st</sup> }  
Despd 22<sup>nd</sup> } Nov 1889

Recd 25-11-89

26-11-89

No. 519  
E.W.

No. 3476 W of 6<sup>th</sup> December  
1889

Sea Custom-house patient  
Forwarding copy of  
letter from the Executive  
Engineer, West Coast D<sup>o</sup>.  
applying for a transfer  
of Rs. 2320 from the allot-  
ment of patient <sup>at</sup> ~~at~~ <sup>to</sup> ~~to~~ <sup>is</sup> ~~is~~  
office to the —

B/

No. 3476 W

PUBLIC WORKS DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

6<sup>th</sup> December 1889

Read the following

From the Superintending  
Engineer to Circle — No. 519 E.W. of 21<sup>st</sup> Nov 1889.

3476

A sum of  
Rs 2,000 having already  
been provided in G. O.  
No. 3277 W, dated 18<sup>th</sup>  
November 1889, for re-  
-roofing the goods-shed  
attached to the Sea Custom  
House, Calicut, the balance  
of the amount applied  
for, viz Rs 320 is transferred  
from the current year's  
grant to the Collector's  
office at Calicut.

To  
The S. E. Circle!  
" Ex P. W. Accounts.

WVW  
2.12.89

Recd  
3.12.89

Cur

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B. May

10 34 7 6 10 2 6 - December  
1889

P 10/12