

- (1) பக்கங்களின் எண்ணிக்கை 26 .  
 (2) புதுக்கித் திருப்பிய நாள் June.90 .  
 (3) ஆதாரங்குறிப்பவர் சுருக்கொப்பம் 6/7

தமிழ்நாடு ஆவணக் காப்பகம்.

(46)

தமிழ்நாடு அரசு

P.W.D. துறை

|                                       |            |                  |
|---------------------------------------|------------|------------------|
| அரசாணை எண்.<br>மு. கோப்புத் தாள் எண். | 3013       | அச்சகம்<br>பலவகை |
| நாள் :                                | 24-10-1889 | 198              |

மடிக்கவோ கண்டபடி கையாளவோ கூடாது

13. sheets

ஆவண, கா-1-18,006-15-6-87.

11



3013

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,



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.)

Captain, R.E.,  
Under-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

3013

2



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.

16TH APRIL 1889, No. 1044 W., PUBLIC WORKS.

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

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 watertight, 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. Henrious,  
Spare Copies

3013

4



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.

No. 893.

3013

Executive Engineer's Office  
West Coast Division.  
Calicut, 31<sup>st</sup> August 1889.

To

The Collector of Malabar.

Sir.

Enclosure 5

1. Report with specifications.
1. Detailed Estimate.
1. Abstract do. in duplicate.
1. Comparative statement.
1. Plan
- 5.

With reference to your No 681 of 8<sup>th</sup> August 1889,

I have the honor to forward a Revised Estimate for tiled roofing of the Calicut Customs sheds amounting to Rs 8430 for your countersignature.

2. I am proceeding with the half of which tiling has been already sanctioned, and recommend that now the work is taken up the whole roofing be done in the same style, tiles over the old sheds, for which Rs 6430 additional funds have to be provided - Government order No 1044 W of 16<sup>th</sup> April 1889 having only granted Rs 2000.

I have &c.

Sd/ A. F. Fraser Col. R.E.  
Executive Engineer

(True copy)

Sd/ Wm. Whitehead.  
Collector.

(True copy)

For M. D. D. D.  
Secretary.



8/102

3013W  
24-10-89 25/10  
Public Works Department.

Current No. 9707

Letter No. 6555

Dated 12<sup>th</sup> October/89

From the Revenue Dept.

NOTE OF REMARKS.

The accompanying plan and revised estimate under review amounting to Rs 8430 provide for re-roofing the goods shed (with mission tiles on old corrugated iron sheets) attached to the new Sea Customs House at Calicut.

The original estimate of Rs 4320 was sanctioned by G.O. No 1044 on 16<sup>th</sup> April/89 for roofing half the Range of sheds with tiles & doubling the iron sheeting over the remaining half.

The excess now requiring sanction is Rs 4110.

The necessity for revising the estimate, is stated as follows in

Rev. 735-9789



in para 2 of the report  
accompanying the estimate  
"After proceeding  
some way it had to be  
stopped as the Mercantile  
community represented  
to the Collector that the  
tiles could be easily lifted  
& the sheds when con-  
-taining valuable pro-  
-duce broken into."

The rates are fair.

The contingencies & super-  
-vision are charged each  
at  $2\frac{1}{2}$  percent.

The plan & comparative  
statement have been  
countersigned by the Collector  
and approved in the Revenue  
Dept, but the S.E. II who  
has not countersigned them.

JH,  
18-10-89

In letter No 1104 of  
23<sup>rd</sup> Nov 1880 the P. & T.  
Dept. Govt. Division, informed  
the Collectr. of Malabar  
that it would cost <sup>about</sup> 7000 Rs  
to re-roof with Mission  
tiles the good sheds of the Sea  
Customs House at Calicut.

In order to ~~save~~ <sup>meet</sup> some expense  
it was ~~proposed~~ <sup>proposed</sup> to  
roof half the sheds with  
tiles & the other half  
with double sheds of  
corrugated iron & an estimate  
of Rs. 4320 was sent for  
the purpose in C.O. 1044 of  
16<sup>th</sup> April 1889.  
It now appears that the  
Merchants of Calicut are  
not satisfied that the  
tiled portion of the sheds  
will afford sufficient protection  
against theft.

The Chief Engineer does  
not consider that a  
thoroughly tiled roof can  
be easily broken through,  
or that the ~~loss~~ <sup>loss</sup> ~~will~~ <sup>will</sup> ~~be~~ <sup>be</sup>



~~is in the original~~  
~~proposed for the~~  
~~case~~; but the double  
 roofing now proposed  
 is <sup>more</sup> 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 estimate is accordingly  
 submitted for the sanction  
 of Government.

WMB  
 19.10.89

Rev. 735 9/89

3013

Public Works Department.

Huo 21.7

Current No. 9746

Letter No. 6998

Dated 14<sup>th</sup> October 1899

From the Military Dept.

The plan & estimate for the  
 new counterpane by the  
 J.C. of the Military Dept.  
 has been approved by the  
 J.C. of the Public Works Dept.

NOTE OF REMARKS

This revised estimate  
 of Rs 2834 for alterations  
 to the Barrel Racks in the  
 Reserve Powder Magazine  
 at Mount has already  
 been received & scruti-  
 nized in the T Section  
 & returned to the S.E.V.  
 circle vide this office  
 No. 4290 C 725-9-89 for  
 submission through the  
 Dr. Mr. General & Military  
 Department.

The plan & estimate  
 have accordingly been  
 approved & transferred  
 by the Military Dept.  
 to the P.W. Dept. for  
 disposal, but they have  
 not still been signed by  
 any



any of the Military authorities.

St. H.

19.10.89.



3013

1/p.

# Proceedings of the Board of Revenue

(Separate Revenue).

Dated 18<sup>th</sup> September 1889.

No. 3246, Mis.

READ the following letter from H. M. Winterbotham Esquire, Collector of Malabar, to the Secretary to the Commissioner of salt Akhars and separate Revenue, Madras dated 12<sup>th</sup> September 1889. No 783:-

The Government in their order No 1044 W Public Works Department, dated 16<sup>th</sup> April 1889, communicated with Board's Proceedings No 1796 Mis, dated 21<sup>st</sup> May 1889, sanctioned a project for ice-proofing the goods-sheds attached to the Calicut Custom House at a cost of Rs 4,320.

One half the existing iron-proofing 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



The German mission tiles are very large and the  
reepers 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 31<sup>st</sup> August 1889 on the subject is enclosed.

Resolution.

3013

2P

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 Government order dated 10<sup>th</sup> May  
1889, 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, as the final issue  
of the Provincial Civil Works Department estimate  
contains an allotment of only Rs 2,000.

(True Extract)

Herbert R. Bailey

Secretary

God

To

The Secretary to Government, R. Department with  
Plan & Estimates.  
Collector of Malabar.



W. No. 9707  
(1889.)

REVENUE DEPARTMENT.

No. 7358

ABSTRACT.

3 P

Pro: The Board of Rev (S.R.)  
From The Board of Rev (S.R.)

Endorsement, no: 6555

90 1044 W d/ 16.4.89

Approved and  
transferred to the Public Works  
Department.

J. Grose  
Ag. Secretary to Govt.

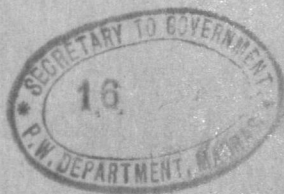
Dated 16.10.89

Received 2/7

Enclosures 2

No. 3246 mis.

For Saint George  
12 October 1889



SUBJECT.

Submitting for sanction revised  
estimate for re-roofing the goods shed  
attached to the new Sea Customs House  
at Calicut amounting to Rs 2430 against  
the original estimate of Rs 4320, and stating  
that if the present estimate is sanctioned  
a sum of Rs 6430 will have to be provided  
in the Public Works Department.

To

The Pub. Dept.  
with encls.  
to Commr. of Sep. Rev.

J. Grose  
16/10/89

P. J. G.

Ch

3013

Note by the Chief Engineer P.W.D.  
General Buildings & Roads Branch.

In his letter No: 1104 of 23<sup>rd</sup>

November 1888, the Executive Engineer  
West Coast Division informed the  
Collector of Malabar that it would  
cost about 7000 Rs to re-roof with  
mission tiles the goods sheds of the  
Sea Customs House at Calicut;

2. 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 d/ 16 April 1889.

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

4. The Chief Engineer does  
not consider that a Mangalore  
tiled roof can be easily broken through  
but



of 1889-90, and classified as Civil  
Buildings, Original Works.

Recd 24.10.89  
21.10.89

J. H. King  
189

To The S. G. IV Circle with 5 cuds.  
" Examiner P. W. Accounts  
with the dupli - also - estimate  
" Revenue Department.

Cr  
H.W. 21.10.89  
L.H.  
Maj

3013

6

11/11

13



828  
Govt. of Madras.

PUBLIC WORKS.

25 Oct 1889

Dated

Recd

Encl

G.O. 24 Oct 89 No. 30134

Seafarers House  
at Calicut

Revised list for re-  
roofing the grounds shed  
attached to the —,  
Sanatorium.

100

4

(13)

25/10/89