(1) Number of pages 36

(2) Date of repair 2.7.86-

(3) Initials of the Referencer low

TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

P.W.D. DEPARTMENT

G.O. No. / B.P. No:	1391 (W)	Press. / Mis.
Dated	18. 3. 1878.	~~197~~ .

Not to be folded or roughly handled

Archives I—10,006—19-4-79.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

18th March 1878, No. 1,391 W.

Buildings and Roads.

Civil Works.

Read the following papers :—

No. 263. From District Engineer, Madura, dated 17th Nov. 1876, No. 3,097.
No. 263-A. From „ „ „ 15th Dec. „ „ 3,655.

No. 263-B. From W. S. HARINGTON, Esq., District Engineer, Madura, to the Chief Engineer, Buildings and Roads, dated Madura, 26th February 1878, No. 388.

With reference to your memorandum, No. 308, dated 9th February 1877, I have the honor to submit, for the sanction of Government, the enclosed plans and estimate, the latter amounting to Rupees 1,300, for re-constructing the terrace of the Sea Custom house at Tondy. The estimate was forwarded to the Madura Range Officer (then Mr. Paynter) on the 12th February 1877, who appears to have sent it to the Sub-divisional Officer for revision and retransmission with the required information. Mr. Hutchings, the present Range Officer, states in his No. 4,157 of the 15th instant, that the estimate was received by him only on the 18th December last, and that the delay occurred in the Sub-division Office. The estimate was returned to Mr. Hutchings, some corrections being needed on the 9th January and retransmitted on the 15th instant.

One Estimate.
Two Plans.
One Data.
„ copy of the report No. 319.

No. 263-C. From the same Officer, dated Madura, 27th February 1878, No. 392.

I have the honor to bring to your notice that the Deputy Collector, Sea Customs Department, Madura, in his letter to the Collector states, " that the roof of the Sea Customs Office at Tondy had leaked during the late rains so badly as to inconvenience the Customs officials and the Police occupying a separate apartment under the same roof, and that the godown also provided for the deposit of goods passing through the Customs Office became in consequence unfit for use." The Collector in forwarding the above communication informs me that " the sooner the repairs are put in hand the better." I request that you will be good enough to authorise me to commence the repairs in anticipation of sanction of the estimate for Rupees 1,300 submitted with my No. 388 of the 26th instant.

No. 264. Order thereon, 18th March 1878, No. 1,391 W.

The plans and estimate of Rupees 1,300, for removing the old roof and re-roofing the Sea Custom house at Tondy, are sanctioned.

2. This building was only constructed in 1872-73 and has evidently failed in consequence of insufficient scantlings having been used in the roof timber. The late

Superintending Engineer, Lieutenant-Colonel Roberts, R.E., would appear to have calculated his dimensions for first-class seasoned teak which does not seem to have been used. The necessity of modifying scantlings according to the quality of timber actually available has already been noticed in G.O., No. 2,570, of the 8th September 1875, and District Engineers and Executive Officers are answerable for exercising proper supervision in such matters.

3. The District Engineer will apply for funds in his statement of demands against the Reserve of 1878-79 to be submitted in April next.

4. This sanction has been registered as Provincial No. 309 B of 1877-78.

(True Extract.)

Colonel, R.E.,
Secretary to Government, P.W.D.

To the District Engineer, Madura.
" Examiner of Public Works Accounts.
" Revenue Department.

Exd. E. C. Shunker.
Spare Copies

1391/2

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of (1878) Madras.

PUBLIC WORKS.

To

The DISTRICT ENGINEER,
MADURA,
&c., &c., &c.

Dated March 18th.

Issued

Recd. Encl.

G. O., 18th March 1878, No. 1,391 W.

MARCH

Nos. 263-264

Sea Custom House at Tondy, Madura District—Sanctions with remarks plans and estimate for removing the old roof and re-roofing do.

1391/3

1391/3

READ letter Number 3097

dated the 17 November 1875

from the District Engineer of Madura.

~~Here enter~~

~~The Estimate~~ Read letter No 3056 dated 15 December 1875 from the same officer.

The Exp of Rupees 1000 as recommended by the Chief Engineer's Office for Removing the old roof and Re~~roo~~fing the old Custom House at Tondy is sanctioned.

This building was only constructed in 72-73 and has evidently failed ~~in consequence of insufficient~~ scantlings ~~having been used~~. The Exec Engineer, the Superintending Engineer responsible for the failure is Lt Col Roberts R.E. - the dimensions would appear to have been calculated for 1st class seasoned teak which does not appear to have been used. The necessity of modifying scantlings according to the quality of timber actually available was already been noticed in G.O. 2570 of the 8 Sept 1875.

and Sub Engrs & Executive Officers are responsible for securing proper supervision in such matters —

The District Engineer will report the Rate he can spend on the work during 76/77

This Section is to Report

8.2.77

MEMORANDUM.

Letter Number 3097

dated the 17 November 1876

from the District Engineer of Madura

note for C.E.

(Without a plan of the building it is impossible to approve of the scantlings proposed to be used in re-roofing it — for instance the scantling for the joists of the Office Room [illegible] width 12ft are to be provided are noted at 6" x 9" for such a span, 12' – 3" x 6" of good seasoned teak is quite enough —/.

The Dist Engineer will be so good as to submit a plan and section of the building in question showing the lagging of the joists ~~and~~ giving their dimensions and stating the kind of timber used —

By order

23.11.76

Approved.

No. 3097

District Engineer's office
Teroomangalum 17th November 1876

1391

From

Colonel J. F. Fischer. R. E
District Engineer, Madura.

To

Major General G. W. Walker. R. E
Secretary to Government. D. P. W

Sir,

I have the honor to submit for the Sanction of Government the accompanying emergent Estimate of Rs. 1,830 for reconstructing the terrace of the Sea Custom House at Tuty, as the amount of the same exceeds the limits of local sanction.

Enclo: 1
1. Estimate of Rs. 1,830

2. The joists of the building are of insufficient Scantling and have sagged so that the roof leaks very much, and it is absolutely necessary to repair these thoroughly.

3. The building was constructed in 1873-74 by Sub Engineer N. Mooneappa Pillay according to the Design furnished by Colonel R. A Roberts R. E but this mistake

mistake of insufficient Scantling has been made in all buildings in this District and reported to Government, but the work as executed is good the fault being in not allowing for unseasoned timber.

4. As the roof of the building has been reported to be in a dangerous condition I request that the Government will be pleased to sanction the Estimate and to allot the necessary funds for the service in question.

I have the honor to be
Sir,
Your most obedient Servant
[illegible] Colonel RE
District Engineer

Your Report is wanted [illegible] [illegible] [illegible] perhaps –
[illegible]
2 Oct [illegible]

[illegible]
put up for [illegible]
[illegible]
[illegible]

1391
6.

G.O. No. 1888 d/ 9th Augt. 1872.
" 131 — 18th March 1873 Mis
" 224 — 26th " " "
" 6 — 1st April " "
" 223 — 22d April " "
" 1883 — 14th July "
" 2343 — 22d Septr. "

P.W.D.
20 NOV 76
No. 8411

Memo No. 1375 T d/ 6th Decr./76

From

The District Engineer
Madura

To

The Secy. to Govt.
P.W.D.
Madras

Dated 17th Novr./76

Despd. 18 — do

Recd.
Enclos. No. 3097

+ Retd to D.E. 9-2-77 vide: Memo 808

Estimate of Rs 1830 for reconstructing the terrace of the seacustom House at Tondy — forwards for sanction &c —

No. 1375 T.

1394
7

Memo:

Letter from District Engineer, Madura, No. 3097, dated 17th Nov. 1876.

In para 3, the District Engineer alludes to a report, regarding the insufficient scantling in all buildings in his District. He is requested to be so good as to quote the number and date of the letter forwarding such report.

(Sigd.) W. Farewell Col.
Offg. Deputy Chief Engr.
P. W. D.

Fort St. George
6th Decr. 1876

To,
The Dist. Engr. Madura.

No 328 of 9 Feby
C. Engr

271/XD

MEMORANDUM.

Letter Number 3655
dated the 15 Decem. 1877
from the District Engineer of Madura

The scantlings of the timbers used in the roof of the building referred to in the letter above quoted are evidently less than they should have been; ~~it is possible that~~ 1st class ~~teak~~ well seasoned teak of the scantlings used would possibly have sufficed if the terrace laid above them was not heavier than ordinarily necessary, the matter should have been looked into and reported upon. On the other hand the scantlings proposed in the Estimate submitted for renewing the roof are very much in excess of what the usual rule gives as sufficient for ordinary terraces. The correct scantlings for well seasoned 1st class teak to support an ordinary heavy terrace have been inserted in the Estimate which has accordingly been reduced by Rs 830. If timber suitable for the work of the

dimensions given
can not be obtained
in the Madura Dist—
The Dist Engineer
should at once report
the matter and submit
such revised Estimates
as may be necessary
with reference to
available timber.

7.2.77.

To D E
~~Dist~~ Madura

No 3655 District Engineer's office
Dindigul. 15th December 1876

1391

From

Colonel J. T. Fischer R. E

District Engineer, Madura

To,

Major General G. W. Walker R. E

Chief Engineer D. P. W. Madras

Sir,

With reference to your Memo No. 1375 under date the 6th Instant, I have the honor to invite your attention to my letter No. 2013 under date the 17th August 1875 printed with Government order No. 2,570 of the 8th September 1875 regarding the Police station house at Troovadanay.—

2. It will be observed from my letters printed with Government orders noted in the margin* that provision has been made in the Revised Estimates submitted therewith owing to the insufficient scantlings provided in the original Estimates for the various works therein mentioned.

No. 997 dated 21st April /76 (Regarding Police station House at Bodinaickanur & Paumben)
„ 1220 „ 16th May /76 (Regarding Police Huts at Kurisapatty)
„ 1068 „ 16th April /75 (Do. Perencolum and Pulney Taluq Cutchery)

I have the honor to be
Sir,
Your most obedient Servant
Colonel. R.E.
District Engineer

P.W.D.
1[illegible]DEC76
No. 9174

Memo No. 308 d/ 9th Feby/77

No: 3655
From
The District Engineer
Madura
To
The Chief Engineer
P.W.D.
Madras
Dated 1st December 1876
Ramnad
Encls: 3
Mentioning the buildings for which insufficient scantlings have been provided —

Zemindary Sub Division Office
Ramnad 14th December 1877

No: 319. Enclosures No. Four

Report on roof of sea custom office at Tondi called for in Division Office No: 1692 dated 6th August 1877.—

1st The timber used is that known by the Tamil name of Palay maram commonly called Iron wood, which although of great strength is unsuited from knotty structure for use in its present position, as joists, beams &c.

2nd The joists &c appear to have sagged but very little, hardly perceptible to the naked eye and are not of an uniform scantling varying from 6" x 4" to 7" x 4"

3rd The cause of failure in terrace, I think is more to be attributed to bad construction than to sagging of timbers. The top of joists do not appear to have been made horizontally level, before the brick on edge was commenced, neither have they been placed correct vertically, add to which the sand and water used for mortar may not have been carefully selected free from salt. The terrace itself is of unusual construction consisting of

1st one course of bricks 7½" x 3¾" x 1¼" on edge
2nd one course of bricks of same size laid flat
3rd Four inches concrete "brick jelly in chunam"
4th Two coats ½" Plaster

thereby much increasing the weight per square foot which is 120 lbs.

4th The present joists should be removed and new ones of teak wood as estimated for substituted, which is easily procurable at site of work.

5e A cross section and Plan of roof accompanies.

6e. The rates for "Terracing" and "Tarring" in original estimate have been altered, that for the former having been fixed at so much per cubic yard, which is not unusual in this subdivision. No data appears to have been made, otherwise the enormously low rate allowed would have been apparent. A slight decrease has been made in the item tarring. Data for both above revised rates accompanying abstract estimate. Alterations noted in red in Estimate.—

(Signed) J. E. Proud
Supervisor D.P.W.

(True copy)

H. B. Hutchings
Assistant Engineer,
Madura Division.

Copy of the report by the Zemindary Sub-officer on the state of the roof of the Sea Custom Office Tondy.—

Encl 5. See letter from the District Engineer Madura to the Chief Engineer for Roads & Buildings No 385 dated 26-2-78.

Specification

Owing to the inadequate scantling of the Joists in the main rooms they have sagged to a certain extent cracking the roof and making it leaky. It is now proposed to replace the joists with better ones and to reconstruct the whole terrace.

2. Over the main rooms Joists of the scantling estimated for to be placed 1'2" from centre to centre, a course of brick on edge laid and followed up by two courses of tiles laid diagonally covered with concrete 3" deep and 3 coats of plastering and rubbed down smooth.

3. Over the Verandah, Record and Lumber rooms, the old Joists to be retained but the rest of the work to be done as above.

Asst Divisional Officer

Madura   Madura Division.

Enc 1 In a letter from
the District Engineer
Madura to the
Chief Engineer Road &
Buildings No. 388
dated 26-2-78

N.________

Estimate

Data

Terracing with Bricks on edge Brick jelly in chunam 3" thick levelling course 3", three courses of flat tiles with plastering two coats to top and ceiling of Terrace

~~29~~ 11

	Particulars	Rate	Per	Amount	Total
10	Bricklayers at	„ 12 „	„	7 8 „	
2	Men coolies at	„ 4 „	„	„ 8 „	
10	Women do at	„ 1 6	„	„ 15 „	
200	Bricks wall at	5 „ „	1000	1 „ „	
2000	Terrace Bricks at	3 „ „	do	6 „ „	
1200	Thick flat tiles at	2 „ „	do	2 6 5	
500	Thin flat tiles at	1 8 „	do	„ 12 „	
3	C.ft of Breaking old brick jelly	„ 4 „	C.ft	„ 12 „	
18	Paras of Chunam at	„ 8 „	Para	9 „ „	
7	C load River sand at	„ 2 6	C.ft	1 1 6	
¼	do White sand at	„ 4 „	do	„ 1 „	
	Sundries &c			„ „ 1	
	Total Rupees				30 „ „

Tarring 2 coats per square

3	Measures of Tar to be brought from Madura	1 „ „	Meas	3 „ „	
1	Man cooly	„ 4 „		„ 4 „	
	Total Rupees				3 4 „

Ramnad
12th December 1877

(Sd) J. E. Pront
Supervisor A.R.H.

(True copy)

W. Swinnerton
District Engineer
Madura

H B Hutchings
Assistant Engineer
Madura Division.

Enc 4 In a letter from
the District Engineer Madura
to the Chief Engineer
for Roads & Buildings
No 388 dated 26 Feby/78

GO - 1391 W

Data

Roads & Buildings

No. 388.

From

District Engineer's Office
Madura 26 February 1878.

1391
12

W. S. Herington Esqre,
District Engineer Madura.

To

Colonel. E. A. Foord R.E.
Chief Engineer for Roads & Buildings
Madras.

Sir,

Encls: viz
1. Estimate
2. plans
1. Data
1. Copy of the report No. 219.

With reference to your Memorandum No. 308 dated 9th February /77 I have the honor to submit for the sanction of Government the enclosed plans & estimate the latter amounting to Rs 1300 (one thousand three hundred) for re-constructing the Terrace of the Sea custom House at Tondy - The estimate was forwarded to the Madura Range officer (then Mr. Paynter) on the 12th February 1877 who appears to have sent it to the Sub Divisional officer for revision and retransmission with the required information - Mr Hutchings the present Range officer states in his No. 4157 of the 15th Instant that the estimate was received by him only on the 18th December last and that the delay occurred in the Sub Division office. The estimate was returned to Mr. Hutchings, some corrections being needed on the 9th January and retransmitted on the 15th Instant.

I have the honor to be,

Sir,

Your most obed.t serv.t

W. Sherrington

District Engineer,

Madras.

No 388

From

The District Engineer
D.M.

To

The Chief Engineer
Roads & Buildings.

Dated 26 Febry '78
Received

Encl 5 ×

× 1 Estimate sent to
Examiner = 29.3.78

Sea Customs
House at Tondy —
submitting estimate &c
for the —

Ce 9-3-78 R18/3-

District Engineers Office,
No 392. Madura, 27 February 1878.

From

The District Engineer,
Madura.

To

The Chief Engineer,
Roads & Buildings, Madras.

Sir,

I have the honor to bring to your notice that the Deputy Collector Sea Customs Department, Madura, in his letter to the Collector states "that the roof of the sea "customs office at Tondy had leaked during "the late rains so badly as to inconvenience "the customs officials and the Police occupying "a separate apartment under the same roof— "and that the godown also provided for the "deposit of goods passing through the cus-"toms office became in consequence unfit "for use." The Collector in forwarding the above communication informs me that "the sooner the repairs are put in hand the better." I request that you will be good enough to authorize me to commence the repairs in anticipation of sanction of the Estimate for Rs 1300 submitted with my No 388 of the 26th Instant

I have the honor to be,
Sir,
Your most obedt servt
W. Stevington
District Engineer,
Madura.

No 392

From

The District Engineer
Madura

To

The Chief Engineer
for Roads & Buildings D. Mr

Dated 27 February 1878
Received

Sea Custom Office
at Tondy -
reporting upon the.

Rec 4/3/78 R18/3-

No. 1391 W Public Works Department.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Under date the 18th March 1878

Read the following :—

From the D. Engr. Madura (H.E. No 3097 d/17th Novr 1876)
——— do ——— do ——— (" " 3655 - - 15th Decr ———)
——— do ——— do ——— (" " 388 - - 26th Feby 1878)
——— do ——— do ——— (" " 392 - - 27th ———)

The plans and estimate of Rs. 1300 for removing the old roof and re-roofing the Sea Custom House at Tondy are sanctioned.

2. This building was only constructed in 1872-73 and has evidently failed in consequence of insufficient scantlings having been used in the roof timber. The late Superintending Engineer, ~~responsible for the failure~~ ~~is~~ Lt. Colonel Roberts, R.E.

Hi

His dimensions would appear to have been calculated for 1st Class seasoned Teak which does not seem to have been used. The necessity of modifying scantlings according to the quality of timber actually available has already been noticed G.O. 2570 of the 8th September 1875 and District Engineers and Executive Officers are answerable for exercising proper supervision in such matters.

3. The District Engineer will apply for funds in his statement of demands against the Reserve of 1878-79 to be submitted in April next -

W.H.
7. 3. 78.

Memo 308. d 8-2-77.
" 1375 d 6-12-76.
Go 2570 d 9-9-75.
" 1868 d 16-4-75.
" 2343 d 12-9-73.
" 1803 d 14-9-73.
" 1880 d 9-8-72.

Regd 13/3/78 218/3 -

D.E. Madura 1/
Exe P.W. A. 1/5
Rev Dept 1/21

Desp'd 29-3-78

This sanction has been registered as Provincial No. 309 B of 1877-78.

17

1391
17+'

Cv 2665, 2660
9/24/12 8/11

[illegible] of (1878) Madras.

PUBLIC WORKS

To

D. E. Madura Ex. 33

Date

Issued

Recd. Encl.

G. O. 18 Mar 1878, No. 1391 W

Nos.

Sea Custom House at Tondy, Madura Dt

Sanctions with remarks plans & estimates for removing the old roof and re-roofing the —

Ex Dist Engr.

Reg 9/2/78 [illegible]