M.R.O. 1—10,006—23-2-50.

(1) Number of pages_____

(2) Date of repair_____

(3) Initials of the Referencer_____

MADRAS RECORD OFFICE

Government of Madras

Public Works DEPARTMENT

G.O. No. 1503	Press
B.P.—No.—	Mis.—
	6875—
Dated 31— 5 —	—195—.

Not to be folded or roughly handled

Proceedings of the Madras Government, Public Works Department,
31*st May* 1875.

Read the following papers :—

No. 580. From Lieutenant-Colonel C. S. HEARN, Inspector-General of Police, to Colonel G. W. WALKER, R.E., Secretary to Government, Public Works Department, dated Ootacamund, 6th April 1875, No. 1,761.

I HAVE the honor to forward a letter from the Superintendent of Police, Madura, submitting for sanction an estimate, Rupees 100, of repairs required to the station-house at Tiroovadany in that district.

2. This station-house was completed by the Public Works Department in 1873 at a cost of Rupees 1,194, and from the account given by the Superintendent of Police it would seem already to need more extensive repairs than the present estimate will properly meet.

From Captain F. KILGOUR, Superintendent of Police, Madura, to Lieutenant-Colonel C. S. HEARN, Inspector-General of Police, dated Madura, 27th March 1873, No. 150. (through Deputy Inspector-General.)

IN forwarding for your sanction an estimate, amounting to Rupees 100, on account of repairs required to the Tiroovadany Police Station together with letter No. 5,221, dated 20th March 1875, I have the honor to offer the following remarks.

2. This station was built in 1872-73 by the Public Works Department at a cost of Rs. 1,194.

3. Soon after its completion it was found to leak, and cracks appeared in the walls under one beam. The District Engineer was written to; above quoted letter and estimate has been received in reply.

4. On the 23rd February last I inspected this station; the District Magistrate was also there; in the station visiting book he remarks as follows:—"The station has been lately completed at a heavy outlay; the beams supporting the roof are much bent. There are several cracks in the walls, and the whole construction seems to be of an inferior description."

5. There cannot be any doubt that the roof of the building is badly constructed, the bressummers which supports it being either too light or of bad wood, have bent, consequently the roof has curved.

6. I submit that the provision made to rectify this defect in the estimate of the District Engineer is altogether inadequate; the District Engineer proposes to prop up the faulty roof by means of pillars; this seems to me to be an insufficient and clumsy arrangement; it may prevent the building from falling down, but the badly constructed roof will remain intact.

No. 581. From Lieutenant-Colonel J. F. FISCHER, R.E., District Engineer, Madura, to Colonel G. W. WALKER, R.E., Secretary to Government, Public Works Department, dated Madura, 27th April 1875, No. 297.

WITH reference to your memorandum, No. 410, under date the 16th instant, I have the honor to forward the accompanying copy of a report from the Sub-Engineer, Madura Range, No. 50, of the 23rd idem,

1 Plan.
1 Copy of letter.

regarding the Police Station-house at Tiroovadany, and to state that I find the beams allowed in this district for flat roofs to be throughout of insufficient scantling for the common wood which is used in an unseasoned state.

Proceedings of the Madras Government, Public Works Department,
31st *May* 1875.

From N. MOONEAPAH PILLAY, Sub-Engineer, Madura Range, to Lieutenant-Colonel J. F. FISCHER, R.E., District Engineer, Madura, dated Madura, 23rd April 1875, No. 50.

WITH reference to your endorsement, No. 258, of 21st April 1875, I have the honor to report that the station-house building at Tiroovadany was built on a design per standard plan and estimate wherein the bressummer across the hall of 12 feet long is allowed 9 inches height by 6 inches depth only, which has plyed owing to pressure of weight above it and caused cracks over the terrace.

2. To remedy the complaint two pillars are proposed to be built, as shown in the plan, with a view of reducing the bearing, then scrape off the top surface of the terrace where the leakages are found and meet them with asphalte, &c., as provided in the estimate submitted for sanction.

3. The trellis works in the dwarf walls in the verandah and the floor ventilator in the lock-up without shutters are complained of by the Police occupying it as harbouring various insects and snakes, and therefore provisions are made to prevent the complaints by allowing solid parapets and closing the ventilators.

4. The matter in question is not attributable exactly to constructive defects, but partly to the design and partly to nature of work, as fresh terrace works are likely to shrink and cause cracks during the course of ensuing season.

5. The work has been carried out departmentally as ordered by the late Range Officer, and supervised by me when in charge of the sub-division.

No. 582. ORDER THEREON, 31st May 1875, No. 1,503.

CIVIL WORKS, No. 38.

COLONEL FISCHER does not seem to recollect that it rests with him as District Engineer to meto out to the best of his judgment the degree of blame and responsibility resting on his subordinates in a case of this kind, and to record at the same time his distinct professional opinion as to the sufficiency or otherwise of the remedies proposed.

2. It appears from the standard plan that the bearing of the bressummer which has failed should have been nine instead of twelve feet, and that the piers which it is now proposed to construct should have been built originally. Moreover, it does not seem to the Government to be necessary or inevitable that common and unseasoned wood should be used throughout the district, although Colonel Fischer accepts it as a fact. But even if it were so, if the standard estimate specified certain dimensions in timber of good quality, the constructor who necessarily uses inferior material is responsible for a due regard to that fact in apportioning his scantlings. A further and full report from the District Engineer will be awaited.

(True Extract.)

(Signed) J. O. HASTED, Major, R.E.,
Officiating ojnt Secretary to Government.

To the District Engineer, Madura.
" Inspector General of Police.

Exd. S. T. Austin.

Spare Copies

No. 150 Madura Police Office
27th March 1875.

From
The Superintendent of Police
Madura

To
The Inspector General of Police
Madras

Through DIG

Sir

In forwarding for your sanction an estimate amounting to Rs 100 on account of repairs required to the Periavadanam Police Station together with letter No 5221 dated 20th March 1875, I have the honor to report the following remarks.

II This Station was built in 1872-73 by the Public works department during the official year at a Cost of Rs 1194

III Soon after its completion it was found to leak and cracks appeared in the walls under one beam The District Engineer was written to about quotations and estimate has been received in reply.

IV On the 23d February last I inspected this Station the District Magistrate was also there on the Station meeting book he remarks as follows "The Station has been lately completed

No. 1767

Office of the Inspector General of Police
Ootacamund 6th April 1875.

From The Inspector General of Police

To The Secretary to Government
Public Works Department,
Fort Saint George.

Sir,

I have the honor to forward a letter from the Superintendent of Police Madura submitting for sanction an estimate of repairs required to the Station House at Tiruvadany in that District.

2. This station House was completed by the Public Works Department in 1873 at a cost of Rs. 1194 and from the account given by the superintendent of Police it would seem already to need more extensive repairs than the present estimate will properly meet.

I have the honorable
Sir,
Your most obedt. Servant,

Inspector General of Police.

x Rs. 120.

ab. as heavy as they, the beams supporting the roof, are much bent.

There are several cracks in the walls and the whole construction seems to be of an inferior description."

V. There cannot be any doubt that the roof of the building is badly constructed, the Bressummers which support it being either too light or of bad wood, have bent, consequently the roof has warped.

VI. I submit that the provision made to rectify this defect in the estimate of the District Engineer is altogether inadequate, the District Engineer proposes to prop up the faulty roof by means of pillars, this seems to me to be [illegible] an insufficient and clumsy arrangement, it may prevent the building from falling down but the badly constructed roof will remain intact.

I have the honor to be
Sir,
Your most obt. Servant
H. Glyn Captain
Superintendent of Police

O.M. 2331/3/75

H. Stuart Esq
I.G.P.
1.4.75

Detailed Estimate No of 1875-76.

Madura District Zemindary Sub Div Shevaganga

Work — Repairing and Improving the Police Station House at Tirooviadaiyar.

Description of work.	No.	Measurement			Quantity
		L	B	H	
Supporting wall under beams including Basement and foundation	2	1½	1½	11½	49½
Blocking up Dwarf wall in Verandah		18	1	1½	27
Do — Floor Ventilator		3	1½	1	4½
Total Sft of Brickwork in Cement or Cubic ft					81
					3
Repairing Terrace.					
Record Room and Lockup		15½	20	"	310
Verandah		30	5	"	150
Total Repairing Terrace with a layer of flat tiles and 3" Concrete in Cement					460
or Squares					4.60
Asphalt.					
Around close by Parapet wall		80	2	"	160
In Verandahs		40	2	"	80
Total Sft of Asphalt ½" thick					240
or Sqrs					2.40
Wall plate above		1½	1½	½	102

J. Thomas Thomas
Sub overseer 1st grade.

P.O. 2557 of 8.12.75

P.W.D. 1875 Dept
From
No. 2337.
Mr. Chas Pr. Engr & Secy
To
Mr. Secretary to Govt
P.W.D.
Fortst Office
Dated 6th April 1876

No. 1765

Encl. as noted.

Encl. 1 to 3. Estimate 71-5-25. Madura & letter from the Supdt of Police Madura together with an Estimate of Rs 1100 for repairing the Station House at Tirooviadaiyar for sanction.

No. 500

Rs. 1100 Estimate Rs 1140 Tender Rs [illegible]

Madura Range Office.
Madura 23 April 1875
Despd 26 do do.

No 50

From

The Sub Engineer
Madura Range

To

The District Engineer
Madura

Sir,

With reference to your Endorsement No 258 of 21st April 1875 I have the honor to report that the Station House building at Tennadanay was built on a design per Standard plan and Estimate wherein the beam over the hall of 12 feet long is allowed 9" x 6" only which has played owing to pressure of weight above it and caused cracks over the terrace.

To remedy the Complaint two pillars are proposed to be built as shewn in the plan with a view of reducing the bearing; then scrape off the top surface of the terrace where the leakages are found and meet them with asphalte &c as provided in the Estimate submitted for sanction.

The

Madura & Tinnevelly Road Sub Division
Received 26 April 1875

Madura & Tinnevelly Road Sub Division
Received No 469
Despatched 27 April 1875

O.R. 233/1/75

The trellis work in the dwarf walls in the Verandah and the floor Ventilator in the Lock-up without shutters are complained of by the Police occupying it, as harbouring various insects and snakes and therefore provisions are made to prevent the complaints by allowing solid parapets below the Ventilators.

The matter in question is not attributable exactly to constructive defects but partly to the Design and partly to nature of work as fresh terrace works are likely to shrink and cause cracks during the course of ensuing season

The work has been carried out Departmentally as ordered by the late Range officer and Supervised by me when in charge of the Sub Division—

Yesterday.

Signed/ Moonerpah Pillay Sub Engr
Madura Range

True Copy/

Executive Engineer
District Engineer Madura

District Engineer Office
Madura 27th April 1875

No 297

From

Asst Resident & Magistrate
District Sedanore Madura

Do

Submitting the Tender of Wallace & Co
for supply of Stone
to Government
Quarry

Sir

With reference to your
Memorandum No 410 under
date the 16th instant I have
the honor to forward the
accompanying copy of a
report from the Sub Engineer
Madura Range No 50 of
the 23rd instant regarding the
Stone Contract offered at
Samadanay and to state
that I find the Tenders
allowed in this District for
Stone proper to be through

Encl 2 Plan
1 Copy of
letter

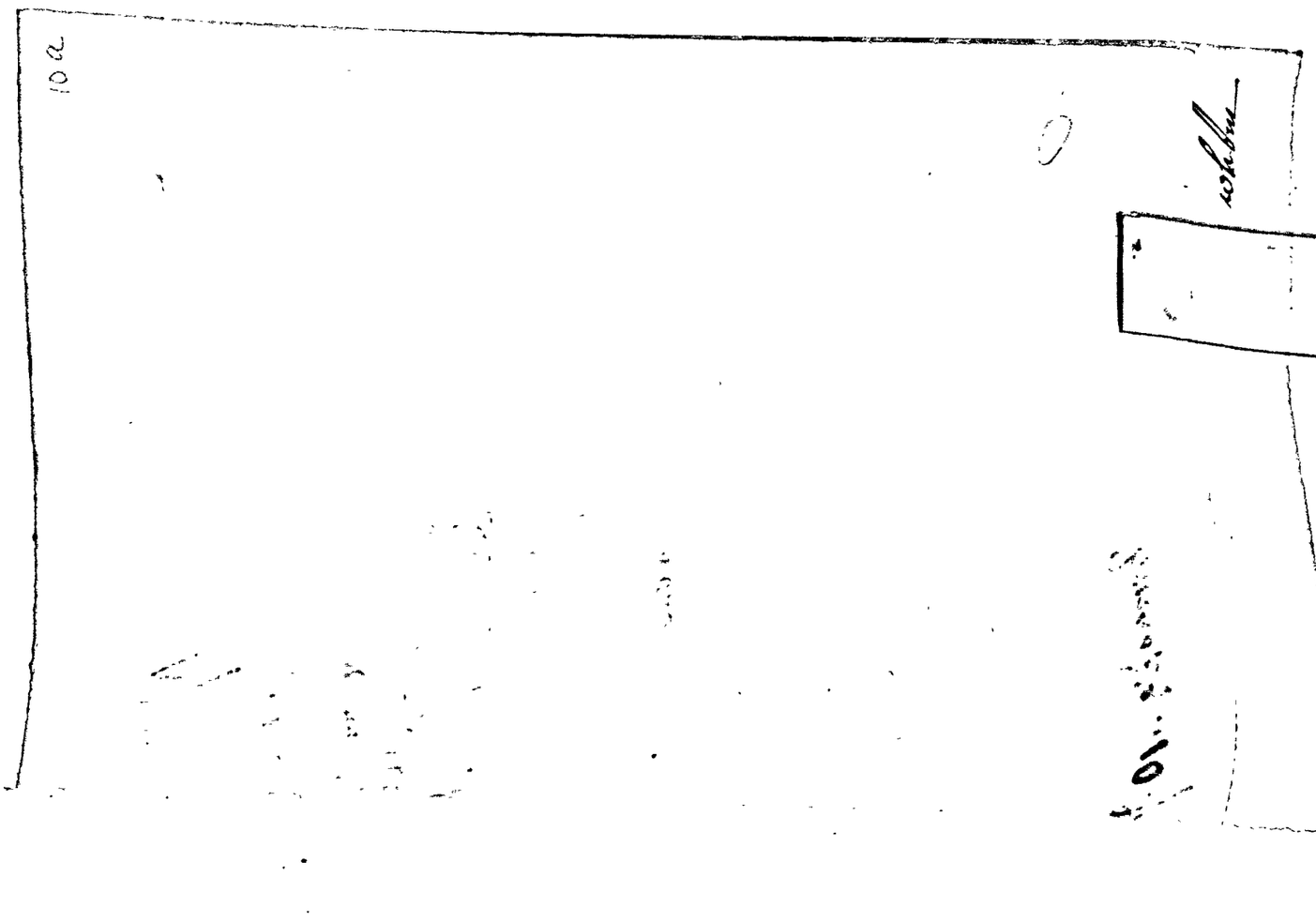
Encl 2 of Sub Engineers letter from the District Engineer Madura to the Secretary to Govt/PW dated 20th April 1875 - No 297

P.W. 2833/2/55

Copy of letter

sufficient scantling for
the common wood vehicles
used on unseasoned
state

I have the honor to be
Sir
Your most Obd. Servant
Thos. Lucas Asst. Engr
District Engineer



A.M. 1875 Dec.
No 297
From D.O. No 2833.
D.L. Sheet 4.
The District Engineer
Madura

To
The Secretary to
Government
Dated 27 April 75
Received 30th "

Enc. 2.

Forwarded for
information copy
of a letter from
Madura Camp Office
regarding Encroachment
Police Station Stone
Elec. No 1503. 21-5-75.

No 581

Ack: 19/5/75 Ack 26/6/75
D.L. Sheet 45 June.

Public Works Dept

1875 Dept

Encl No. 163

In a letter from the Insp Genl of Police dated Octacamund 6 April 1875 No. 1761

From the Supdt of Police Madura

Ga 31 May/75 No. 1370

Submits for sanction estimate for repairs to Tirovadany Police Stn

Memo No. 410 d/16-4-75

No 2331

No. 410 16th April 1875

Memorandum

Letter from the Inspecton General of Police No. 1761 dated 6th April 1875.

The Inspecton General of Police has forwarded an estimate of Rs. 100 for repairing the station house at Tirovadany which he mentions was completed by the Public Works Department in 1873 at a cost of Rs. 1194.

The undersigned is directed to request the District Engineer Madura to furnish a full report on the subject of the condition of this building, with a plan showing the proposed remedial measures. It should be stated by whom

Public Works Dept

Proceedings of the Madras Government
Under date the 1875
Read the following:-
From From the Inspr General of Police (R.C. No 1760 of 6 April 1875)
The Dist: Engr. Madura (H.C. No 297 of 27th April 1875)

G.O. No. 1503 of 31st May 1875

Colonel Fisher does not seem to realise that it rests with him as District Engineer to call to the test of his judgment not the degree of care & responsibility resting on his Subordinates in a case of this kind and to record at the same time his distinct professional opinion as to the sufficiency or otherwise of the remedies proposed.

It appears from the standard plan that the bearing of the Pillar which has failed should have been considered of both the first & that the Pier which it is now proposed to construct should have been built perpendicularly. However

whose the construction was superviced and what are the construction defects.

By Order

Sd/ Adc C. Scott Major R.E.
Under Secy to Govt
P.W.D.

G.O. - 31 May 1875 No 1503.

To The District Engineer Madura

does not seem to the Govt. to be necessary ~~that~~ a considered would should be used throughout the District although Col Scaife accepts it as a fact. But even if it were so - if the standard Estimate Specified cubic dimensions - timber of good Quality, the Contractor who ~~is~~ supplying unsuitable material is responsible for a due regard to that fact in supplying his scantlings.

A further & full report from the District Engineer will be awaited.

Ordered

No 583/57

To Dist Engr Rundina ✓
" Asst Engr Polesi ✓

3C Disptd - 14-6-75

2331
2833

Govt. of 1875 Gillanders.

PUBLIC WORKS.

To

The Secretary,
Madras

Dated

Rec'd

Encl. Encl.

G. O. 31 May No. 503

Nos. 580 -582

Police Station-house at Peroomadanai, Madura.

Passing orders on the letters of the Inspector-General of Police and the District Engineer, on the estimate of Rs: 100 for repairing the ——.