

(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. | 3319 | Press |
| B.P. No. |      | Mis.  |
| Dated    | 8-12 | 1876  |
|          |      | 195   |

Not to be folded or roughly handled

111

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*Proceedings of the Madras Government, Public Works Department,  
8th December 1876. No. 3,319.*

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No 168      Read the following letter from Captain R. R E BROCKMAN, R E, District Engineer, Tanjore, to Major-General G W. WALKER, R.E, Secretary to Government, Public Works Department, dated Camp at Tritrapoondy, 23rd November 1876, No 2,227 —

With reference to G O, dated 3rd November 1876, No. 2,958, directing me to report upon the present unsatisfactory condition of the second-class Police Station lately constructed at Kotoor in the Munnargudi taluq of the Tanjore district, I have the honor to state that I inspected the building this morning and found it in the condition described in the Police Superintendent's letter embodied in the Government Order under reference

2      The cracks which showed themselves during the construction of the building were grouted carefully upon the first requisition of the Police Superintendent, but however carefully repairs of this nature may be carried out with ordinary mortar or even cement, the ultimate contraction and expansion of the body of the building during changes of temperature must necessarily tend to re-open the fissures and cause the structure to leak upon the occurrence of the first shower.

3.      The main cause why the building has cracked in the manner alluded to is no doubt due to its having been built upon made, instead of natural, soil. The site is one originally occupied by a Police Station, the walls of which were mud and the roof an ordinary tiled one. When the new building was constructed the pressures upon the foundation were enormously increased, and although the depth given to the latter, viz, 4 feet, was ample under ordinary circumstances, it was not sufficiently deep to carry the foundations into the solid ground below. At the northern portion of the building the foundations are laid about  $2\frac{1}{2}$  feet into the subsoil, but as the ground trends away rapidly to the south, the foundations at that end of the building do not enter more than  $1\frac{1}{4}$  feet into the solid ground. It is probable moreover that when the foundation pits were filled in that sufficient care was not taken to consolidate the earth in and about the masonry.

4      It will be necessary eventually to shore up with a masonry buttress the south-west corner of the building where the worst crack is apparent in the south end wall of the verandah, and, in order to prevent any further infiltration into the arches and walls of the work, to cover the plaster of the roof outside with two coats of boiling tar. This should be done during the next hot weather when the moisture now inherent in the building has evaporated.

No. 169.      ORDER THEREON, 8th December 1876, No 3,319

CIVIL WORKS, No 11.

The District Engineer will bear the effectual repair of the building in mind, carry it out at the proper season, and report the result after it has been well tested by the following rains.

(True Extract.)

Major-General, R.E.,  
Secretary to Government.

To the District Engineer, Tanjore  
"    Inspector-General of Police  
"    Examiner of Public Works Accounts  
Exd E C Shunker  
Spare Copies

No. 2227.

District Engineer's Office  
Camp. Intrapondy  
23<sup>rd</sup> November 1876

From

Captain R. R. S. Brockman R. S.

District Engineer, Tanjore

To

Major General G. W. Walker R. S.

Secretary to Government

I. W. Department

Sir,

With reference to G. O. dated  
3<sup>rd</sup> November 1876, No. 2958, directing  
me to report upon the present —  
unsatisfactory condition of the  
1<sup>st</sup> Class Police Station lately con-  
structed at Kotoor in the Tanjore  
District, I have the honor to  
state that I inspected the  
building this morning and  
found it in the condition de-  
scribed in the Police Superintend-  
ent's letter embodied in the  
G. O.

Q.0 under reference.

The cracks which showed themselves during the construction of the building were pointed out carefully upon the first requisition of the Police Superintendent, but however careful repairs of this nature may be carried out with ordinary mortar or even cement, the ultimate contraction and expansion of the body of the building during changes of temperature must necessarily tend to reopen the fissures and cause the structure to leak upon the occurrence of the first shower.

The main cause why the building has cracked in the manner alluded to is no doubt due to its having been built upon made, instead of natural, soil. The site is one originally occupied by a Police Station

Station, the walls of which were mud and the roof an ordinary tiled one. When the new building was constructed the pressures upon the foundations were enormously increased, and although the depth given to the latter, viz 4 feet, was ample under ordinary circumstances, it was not sufficiently deep to carry the foundations into the solid ground below. At the northern portion of the building, the foundations are laid about 2½' into the sub-soil, but as the ground trends away rapidly to the south, the foundations at that end of the building do not enter more than 1½ feet into the solid ground. It is probable moreover that when the foundation pits were filled in that sufficient care was

was not taken to consolidate  
the earth in and about the  
masonry.

It will be necessary, eventually, to shore up with a masonry buttress the S. W. corner of the building where the worst crack is apparent in the South end wall of the Verandah, and in order to prevent any further infiltration into the arches and walls of the work, to cover the plaster of the roof outside with two coats of boiling tar. This should be done during the next hot weather when the moisture now inherent in the building has evaporated.

I have the honor to be  
 Dear Sir,

Yours most obedient servant  
Daniel

Wellsbury Capt. 18

District Virginia

No 5319

Public Works Department

PROCEEDINGS OF THE MADRAS GOVERNMENT

Under date the

Read the following —

From

The Dist Engr } (No. 2227 of 23<sup>rd</sup> Nov 1876)  
Tanjore

The District Engineer  
will bear the effectual  
repair of the building  
in mind; carry it out at  
the proper season; and  
report the result after  
it has been well tested  
by the following rains.

C. W. W.

S. S. Tanjore  
S. S. of Police  
H. P. W. A.

Drp - 15-12-76

H. W. W.

884-12-73 No 2924  
12-5-74 - 1281  
16-2-75 - 448  
1-6-76 - 1367  
3-11-76 - 2958.

From

The District Engineer  
Tanjore

To  
The Secretary &  
Government

No 2227

Date 23<sup>rd</sup> Nov 1876  
Desp. 29<sup>th</sup> Dec  
Recd.

Reporting upon the  
condition of the Police  
Station House lately  
constructed at Kotoor

No 168

Cin 4-12-76

8686  
Govt. of 1876 Madras.

PUBLIC WORKS.

To *Mr. D. B. Langford*

Dated .

Issued

Recd

Encl

G O. S. *12/1* 1876, No *32/9*

Nos. *1/1*

Police Station House  
at Kottur - Tanjore Dist

Issuing instructions for  
the repair of the —.

*Ant. P. M. R. P.*