

(1) Number of pages _____

(2) Date of repair _____

(3) Initials of the Referencer _____

MADRAS RECORD OFFICE

Public Works
Government of Madras

DEPARTMENT

G.O. No.	306	Press
B.P. No.		Mis. _____
Dated	7 - 2 -	24 195

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
7th February 1874.*

No. 143. Read the following letter from Colonel E. A. FOORD, R.E., Inspecting Engineer for Civil and Military Buildings, to Colonel G. W. WALKER, R.E., Secretary to Government, Public Works Department, dated Bellary, 17th January 1874, No. 75 :—

With reference to the Order of Government of the 29th of September 1873,

1 Plan.

1 Approximate.

1 Report on Magazine received with G. O., No. 2,381, dated 29th September 1873.

1 Estimate, Rupees 510.

No. 2,381, I have the honour to forward an estimate of Rupees 510 for repairing the Powder Magazine at Quilon, providing it with barrel-racks and improving the ventilation.

2. The arched roof is semi-circular, 21 feet in span and 3 feet 9 inches thick, resting on walls 6 feet thick, which are strengthened by buttresses 4 feet square. It is stated that there are three principal cracks, one running longitudinally throughout the entire length of the crown of the arch, and one over each haunch visible only on the outside. The cracks are attributed to a settlement of the west wall with a portion of the end walls, and the settlement is said to be caused by the water draining through the sandy soil under the foundation into the adjoining canal.

3. In the estimate I have had prepared the water is to be kept out of the crack along the crown of the arch by covering it with ridge tiles, resting on walls 4 by 2 inches built on each side of the crack. The other cracks are to be filled in, in the usual way, the plastering is to be renewed and two copper ventilators are to be fixed, as in the standard plan of magazines.

4. It was stated that there is a high wall round the magazine with no means of discharging the rain which falls within the enclosure. I pointed out to the District Engineer that this defect might be remedied by opening small holes in the enclosure wall at the ground level, and he has since reported that the drainage outlets, originally made, have been discovered and cleared out. This will remove one cause of the dampness of the walls.

5. The estimate now forwarded provides for repairing, as effectually as possible, the defects in the present building; but all those who have seen it recommend that a new magazine should be built, though it is admitted that there is no fear of the present building suddenly giving way.

6. If a new magazine is built it should be after the standard plan, which is better suited to so damp a situation than the plan forwarded by the District Engineer. In the latter the floor is very little raised above the ground, and the enclosure wall being only 6 feet from the magazine would tend to keep it damp. In the standard plan the floor is well raised, and there is a space of 12 feet between the magazine and the enclosure wall.

No. 144.

ORDER THEREON, 7th February 1874, No. 306.

MILITARY WORKS, No. 3.

THE estimate of Rupees 510 for repairing and fitting up the Powder Magazine at Quilon and improving its

Proceedings of the Madras Government, Public Works Department,
7th February 1874.

ventilation is sanctioned, and the work may be undertaken at once with a view to its completion without fail before the monsoon.

(True Extract.)

Colonel, R.E.,
Secretary to Government.

To the Inspecting Engineer for Buildings.

„ District Engineer, Tinnevely.

„ Officiating Controller of Public Works Accounts.

„ Military Department.

Extracts from the Magazine
Report of the following Regiment.
26th Regiment N.I.

IV. I beg further to report for your information that the only Magazine at this station is a very large Masonry, horse shoe shaped building of the old pattern, built about the year 1810 with no internal fittings in which both the Reserved and Practice ammunition is kept.

V. In consequence of defective ventilation, and the roof requiring to be replastered, it leaks and is very damp.

VI. On the 26th ultimo, the Engineer in Charge Tinnevely, under whose Charge Quilow now is, sent one of his assistants to examine and report on the Magazine and I trust soon that some steps will be taken either to have the present Magazine thoroughly repaired or another built as I believe this gentleman is of opinion that it would be better and more economical to build a small Magazine sufficient for the requirements of one Regiment.

VII. At present the Barrels of Ammunition are placed in wooden stands.

stands with panels both sides and
thrown over the barrels and every care
taken to keep the ammunition in a per-
-viceable state.

True copy
J. J. Tomlinson Colonel
Off. Dist. General

P. M. 355/74
4846/3
211

Approximate Estimate No. 1 of 1893. 720.
Work—Constructing a Powder Magazine at. Enlon

Quantities	Description of Work	Rate	Amount	Total.
39 $\frac{5}{27}$	Cement Concrete at	3 - .	117 8-10	
199 $\frac{2}{9}$	Laterite in chumam at	4 8 -	896 8 -	
31 $\frac{8}{27}$	Arch work in do at	7 - .	219 2 2	
26	Linear feet Cornice at	3 - .	8 10 -	
4523	Square feet (plastering) with 2 coats of chumam per square at	3 8 -	157 2 10	
263 $\frac{1}{2}$	— — — — — flooring with 8 square bricks levelling course underneath at	10 - .	26 5 2	
1	Roller door with frames & complete at	20 - .	20 - .	
1	— — — — — do. for Magazine 3 x 6 complete at	30 - .	30 - .	
	Centering $\frac{1}{4}$ of the cost of arch work		45 - .	
	Lightening conductor		150 - .	
	Racks for powder barrels		150 - .	
				1821 7 -
	Excavating foundation, fixing Riser Ventilator for sundries		98 9 -	
	Refraction establishment		80 - .	

Total of Estimate Rupees. 2000 - .

District Engineer Office.
23rd July 1893.
Palamcottah.

J. A. Hunt Asst. Engineer
In charge of District Engineer Office
Universally

Approved by District
Engineer 5th August 1893
Major
Sidney Williams
Asst. Engineer

Extract from
the Engineer's Report
of the 23rd Sept. 1893.
M. S.
J. J. Tomlinson
J. J.

No. 75

OFFICE OF THE INSPECTING ENGINEER
FOR CIVIL AND MILITARY BUILDINGS,

Bellary, Coorg, 17 January 1874

From THE INSPECTING ENGINEER
FOR CIVIL AND MILITARY BUILDINGS,

To Colonel G. W. Walker R.E.
Secretary to Government P. N. D.

Enclosures 4

SIR,

- 1 Plan
- 1 Approximate Report on Magazine
- 1 Revised with SO. No. 2381, 29 September 73.
- 1 Estimate Rs. 510.

With reference to the order of Government of the 29th of September 1873 No. 2381 I have the honor to forward an estimate of Rupees 510- for repairing the Powder Magazine at Laidon, providing it with barrel racks and improving the ventilation.

2 The arched roof is semicircular, 21 feet in span and 3 feet 9 inches thick, resting on walls 6 feet thick which are strengthened by buttresses 4 feet square. It is stated that there are three principal cracks, one running longitudinally throughout the entire length of the crown of the arch, and one over each haunch visible only on the outside. The cracks are attributed to a settlement of the west wall with a portion of the end walls, and the settlement is said to be caused by the water draining through the sandy soil.

Recd to Mr. S.

for constructing a powder magazine at Laidon
Approximate Report
No. 2381
P. N. 4840/73
355/74
28.1.1874

Soil under the foundation into the adjoining Canal.

3 In the estimate I have had prepared, the water is to be kept out of the crack along the crown of the arch by covering it with ridge tiles resting on walls 4 by 2 inches built on each side of the crack. The other cracks are to be filled in, in the usual way, the plastering is to be renewed and two copper ventilators are to be fixed, as in the Standard plan of Magazines.

4 It was stated that there is a high wall round the Magazine, with no means of discharging the rain, which falls within the enclosure. I pointed out to the District Engineer that this defect might be remedied by opening small holes in the enclosure wall, at the ground level, and he has since reported that the drainage outlets, originally made, have been discovered and cleared out. This will remove one cause of the dampness of the walls.

5 The estimate now forwarded provides for repairing, as effectually as possible, the defects in the present building, but all those who have seen it

it recommend that a new magazine should be built, though it is admitted that there is no fear of the present building suddenly giving way.

6 If a new magazine is built it should be after the Standard plan which is better suited to so damp a situation than the plan forwarded by the District Engineer. In the latter the floor is very little raised above the ground, and the enclosure wall being only 6 feet from the magazine would tend to keep it damp. In the Standard plan the floor is well raised, and there is a space of 12 feet between the magazine and the enclosure wall.

I have the honor to be
Sir
Your most obed^t servant

E. A. Ford Col^d R^e.
Insp^t Engineer for Bridges

No 306 P.M.D.
 Pro. of the Madras Govt
 Read the following:

From the Inspecting for (H.E. No 75 of 17 Jan 74)
 Railways

The Estimate of
 of Rupees 510 for repair-
 ing and fitting up the
 Powder Magazine at
 Quilon, and improving
 its Ventilation is sanction-
 ed, and the work may
 be undertaken at once

To The Super Inspr for R.G. with a view to its comple-
 " Dt Engr. Trimmerville
 " Offr. Controller
 " Milr. Depot
 " S. Engr. and S. Trimmerville 17/2/74
 P. Can. to all 27/2/74.
 + 27/2/74. Monsoon.
 E.M.W.

To
 The Inspecting Engineer
 for Buildings,
 The Secretary
 to Government
 No. 45
 From
 No 355

No 306. 7.2 July 1974

Dated 1973
 Recd. 20/8/74
 Encl. 4: X 1 P.C. 11

Estimate of Rs. 510 for
 repairing the Powder
 Magazine at Quilon
 in the District of
 Saimore.

No 113

No 22/2/74

Op. 355
Govt. of Madras.
PUBLIC WORKS.

10. The Inspecting Cms
for Buildings

Dated

Recd.

Encl. 3

G. O. 7 Feb 1874, No. 306.

143844

Order Magazine at Quilon.

Requisite for repairing
& fitting up the Magazine
& improving the ventilation,
Sanctioned; work to be
undertaken at once &
completed before the
monsoon.

143844