M.R.O. 1—77,006—8-6-37.

(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. 2538 Press
497-498 Mis.

Dated 29-10- 1872.

Not to be folded or roughly handled

Proceedings of the Madras Government, Public Works Department, 29th October 1872.

No. 497. Read the following Proceedings of the Madras Government in the Military Department, dated 2nd October 1872, No. 3,110 :—

Read the following papers :—

From the Officiating Quarter Master General, to the Officiating Secretary to Government, Military Department, dated Fort St. George, 21st September 1872, No. 7,085.

FORWARDED for the information of Government.

From the Officer Commanding Mysore Division, to the Quarter Master General, Head Quarters, Ootacamund, dated Head Quarters, Bangalore, 16th September 1872, No. 413.

WITH reference to my letter as per margin, I have the honour to forward Proceedings of the Committee assembled to report upon the harness-room which had partly fallen in.

No. 396 of 7th instant, reporting the fall of part of a harness-room at the Race-course.

Proceedings of a Committee held at Bangalore on Monday the 9th September 1872, *by order of Major-General Borton, C.B., Commanding Mysore Division, to report on a Harness-room in use with the "C" Battery, 23rd Brigade, Royal Artillery, a portion of a verandah of which fell during recent heavy rains.*

PRESIDENT.

Colonel A. T. CADELL, Royal Horse Artillery.

MEMBERS.

Lieut.-Colonel PRENDERGAST, V.C., R.E., Commanding Sappers and Miners.

Major MESHAM, Assistant Quarter Master General.

Captain VIBART, R.E., Executive Engineer.

I.—The Committee having assembled according to order proceeds to examine the harness-room of C, 23rd Brigade, Royal Artillery, a portion of the verandah of which fell down on the night of the 3rd instant during the late rains.

II.—The Committee is of opinion that the whole of the back wall is in a dangerous state, and after examining the rest of the building, and having portions of the front wall opened up to ascertain its condition, the construction of this wall was found to be so inferior both as to material and workmanship that the Committee considers it would not be advisable to take down and rebuild the back wall only, but that the whole of the building should be taken down and be rebuilt.

III.—The Committee would remark on the general construction of the masonry portions of the building ; that the bricks are of an indifferent quality ; that they are not carefully laid, and the mortar used is of an inferior description, having an excessive amount of sand mixed with it, and stones have been introduced in the brick-work in a manner which appears objectionable, and that the arched work is very inferior in every respect.

IV.—The building was handed over to the Officer Commanding Royal Artillery in May 1868, and the Certificate of Completion given to the Barrack Master was signed by Major Mayne, R.E.

(Signed) A. T. CADELL, Colonel, R.H.A., *President.*
(,,) H. N. D. PRENDERGAST, Lieut.-Colonel, R.E.,
(,,) W. R. MESHAM, Major,
(,,) H. M. VIBART, Captain, R.E., } *Members.*

The accompanying Remarks by Lieutenant-Colonel Prendergast, C.B., R.E., and Captain Vibart, R.E., Executive Engineer, are appended to the Proceedings.

" The bricks appear to be the articles sold under that name in Bangalore ; really good bricks cannot be made under Rupees 6 per 1,000.

The material usually sold as lime in Bangalore is nodulated lime-stone adulterated with a large proportion of disintegrated gneiss.

The nodulous lime when mixed with burnt clay pounded makes a good mortar, but burnt clay is more expensive than sand."

(Signed) H. N. D. PRENDERGAST, Lieut.-Colonel, V.C., R.E.

THE harness-room was built by contract, and from beginning to completion four officers were in charge, and four changes were made during that time in the subordinates in immediate charge of the work.

The rates allowed in the estimate appear far too low :—

		RS.	A.	P.	
For foundation stone-in-chunam, 2 annas a cubic foot or	...	3	6	0	a cubic yard.
,, basement stone-in-chunam, 2 annas 1 pie a cubic foot or	...	3	8	3	a cubic yard.
,, superstructure wall 16 feet high, 2 annas 4 pies a cubic foot or		3	15	0	a cubic yard.

For these prices bad work was to be expected. The rates allowed lately in estimates is 2 annas 9 pies a cubic foot, or Rupees 4-10-3 a cubic yard, and if really first class work is desired by Government something like 3 annas 6 pies should be allowed.

Although Major Mayne signed the completion certificate, the work was all but finished when he came to Bangalore. The rate allowed for paving was only Rupees 8 a square, and that for teak wood Rupees 3-2-0, the former being now Rupees 15 and for the latter Rupees 3-8-0.

The wood-work seems to be good and the paving fairly so. It is likely that the contractor not being able to make much money from these two items, determined to do so by using as little lime as possible in the brick-work.

(Signed) H. M. VIBART, Captain, R.E.

COMMUNICATED to the Public Works Department.

(True Extract.)

(Signed) A. C. SILVER, Colonel,
Offg. Secretary to Government, Mily. Dept.

No. 498. ORDER THEREON, 29th October 1872, No. 2,538.

MILITARY WORKS, No. 21.

COMMUNICATED to the Superintending Engineer of the 5th Division for further report and sketch or plan clearly showing the extent and nature of the damage sustained by the verandah, and how the back-wall is affected.

2. The necessity for entirely rebuilding the harness-room which has stood for four years, and the wood-work of which is said to be good, is not conclusively shown by the Proceedings of the Committee. And Colonel Foord will report decidedly on the subject, remarking at the same time generally on the system of carrying on work at Bangalore.

(True Extract.)

Colonel, R.E.,
Secretary to Government.

To the Military Department.
,, Superintending Engineer, 5th Division.

Exd. S. T. Austin.

Read the following papers :—

No. 26. From the Officiating Quarter Master General, to the Officiating Secretary to Government, Military Department ; dated Fort Saint George, 21st September 1872, No. 7085.

Forwarded for the information of Government.

From the Officer Commanding Mysore Division, to the Quarter Master General, Head Quarters, Ootacamund ; dated Head Quarters, Bangalore, 16th September 1872, No. 413.

With reference to my letter as per margin, I have the honor to forward Proceedings of the Committee assembled to report upon the harness-room which had partly fallen in.

No. 396 of 7th instant, reporting the fall of part of a harness-room at the race course.

No. 27. ORDER THEREON, 2nd October 1872, No. 3110.

Communicated to the Public Works Department.

(True Extract.)

Offg. Secretary to Government.

To the Quarter Master General.
,, Public Works Department, with one Proceeding. 8 20 Spare Copies.

Exd. J. E. Cashart.

P. R. 1872 Recd
Pro. of Committee
Govt. of India
MILITARY.
No. 4890.

To

THE QUARTER MASTER GENERAL.

&c., &c., &c.

Dated Oct^r 2nd.

Recd ——, —— 8 Encl. 1/1

G. O., 2nd October 1872, No. 3110.

S.

OCTOBER.
Nos. 26-27.

Forwards Proceedings of Committee assembled to report upon the harness-room which has partly fallen in.

No. 4894
Mil. Dept. 8 Oct. 72

Oct 25 38 29 act 1/12

Proceedings

of a Committee held at Bangalore on Monday the 9th September 1872 by order of Major General Borton C.B. Comm^g Mysore Division, to report on a Harness Room in use with the 6th Battery 23rd Brigade Royal Artillery, a portion of a Verandah of which fell during recent heavy rains.

President

Colonel A. T. Cadell, Royal Horse Arty

Members.

Lt Col. Pendergast V.C. R.E. Comm^g Sappers & Miners.
Major Meshano Asst Q^r M^r General.
Captain Wibart R.E. Executive Engineer.

1. The Committee having assembled according to order proceeds to examine the Harness-room of 6/23rd Bde R^l Arty a portion of the Verandah of which fell down on the night of the 3rd Inst during the late rains.

II The Committee is of opinion that the whole of the back wall is in a dangerous state; and after examining the rest of the building, and having portions of the front wall opened up to ascertain its condition, the construction of this wall was found to be so inferior both as to material & workmanship

that

that the Committee considers it would not be advisable to take down & rebuild the back wall only, but that the whole of the building should be taken down & be re-built.

III The Committee would remark on the general construction of the Masonry portions of the building, that the bricks are of an indifferent quality, that they are not carefully laid, and the mortar used is of an inferior description, having an excessive amount of sand mixed with it, and stones have been introduced in the brick-work in a manner which appears objectionable, and that the arched work is very inferior in every respect.

IV The Building was handed over to the Officer Comdg R Artg in May 1868, and the Certificate of completion given to the Barrack Master was signed by Major Mayne R.E.

W.C. Cadell Col R.A. President

H.V. Pendergast Lt Roland
W. Mayne Chamberlain
Henry Tu Vibart Capt R.E. } Members

The accompanying Remarks by Lt Col. Pendergast C.B. R.E. and Captain Vibart R.E. Executive Engineer are appended to the Proceedings.

"The bricks appear to be articles sold under that name in Bangalore — really good bricks cannot be made under Rs 6- per 1000.

The material usually sold as lime in Bangalore is nodulated lime stone adulterated with a large proportion of disintegrated gneiss.

The nodulous lime when mixed with burnt clay pounded makes a good mortar but burnt clay is more expensive than sand."

H.V. Pendergast Lieut Col R.E.

The Harness Room was built by contract, & from beginning to completion four officers were in charge, and four changes were made during that time in the subordinates in immediate charge of the work.

The rates allowed in the Estimate appear far too low.

For foundation stone in Chunam, 2 as @ cub ft or Rs 3-6-0 @ cub yd

" Basement stone in Chunam 2-1 @ cubic ft or Rs 3-8-3 @ cub yd

" Superstructure Wall 16 ft high } 2-4 @ cubic foot or Rs 3-15 @ cub yard

For these prices bad work was to be expected

respected. The rate allowed lately in Estimates is 2ª P. @ £. ft or Rs 4-10-3 a c. yard, & if really first class work is desired by Government, something like 3ª C. should be allowed. ——

Although Major Mayne signed the completion certificate, the work was all but finished when he came to Bangalore. The rate allowed for paving was only Rs 8.- @ square, & that for teak wood Rs 3-2-0, the former bring now Rs 15.- & for the latter Rs 3-8-. ——

The wood-work seems to be good & the paving fairly so. It is likely that the Contractor, not being able to make much money from these two items, determined to do so by using as little lime as possible in the brick-work. —

Henry Th Vibart Captain R.E.

— Proceedings —

of a Committee held at Bangalore on the 9th Sept 1872 to report on a Verandah of the Harness Room of 6 Batty 23rd Regt Depl Arty which fell during the recent heavy rains.

Ind.
Dr. No 4028 of 1872.
Pr Pl
3rd/9
Ind No 425.
P. W. 4890/72.

Rec. Vno Madras Govt.
No 265 dated
Read the following:-

Rec. Vno Madras Govt.
Mily: Dept.
Communicating Proc:
of Committee Assembled to report upon the harness room at the Race Course at Bangalore which had lately fallen in

H.E. No 3110 dy 2d Sept 72

Communicated to the Superintending Engineer 5th Division for further report and sketch or plan clearly showing the extent and nature of the damage sustained by the Verandah, and how the Back wall is affected.

The necessity for entirely rebuilding the Harness room which

has stood for 4 years and the wood work of which is said to be good, is not conclu-sively shown by the Proceedings of the Com-mittee. And Colonel Foord will report decidedly on the subject; remarking at the same time generally on the system of carrying on work at Bangalore.

GWW

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To
15 Chief Engr
Supt 5th Div

Dated 4/11/72

No 490

Govt. of {1872} Madras.

PUBLIC WORKS.

To The Statistical Department

Dated

Recd. Encl. /

G. O. 29 October No. 2538.

Nos. 497 & 498

Harness room in the Race Course at Ramipatam.

Reports the Duty Establishment Committee Road Committee Trustees assembled to report upon the harness room which had lately fallen in, Com^n & Whitehead Engr. & Surveyor to the Trustees