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MADRAS RECORD OFFICE

Government of Madras

Public Works DEPARTMENT

G.O. No.	2472	Press
B.P. No.		Mis.
Dated	15-9-195	1876

Not to be folded or roughly handled

Proceedings of the Madras Government, Public Works Department,
15th September 1876, No. 2,472.

"The Portland cement to be that of Messrs. Knight, Fearn and Sturge, or of the Wouldham Cement Company, strength being the great object and quick setting of no importance. The cement to be thoroughly mixed with twice its quantity, by measure, of clean, sharp, sweet sand or should sweet river sand not be procurable, sea sand carefully washed in fresh water. With this, hemp, in the proportion of 1 lb to each 3 cubic feet of the plaster, and cut in short lengths, to be mixed. Sweet water only to be used in the mixing. The entire surface to be laid on in one day to within $\frac{1}{4}$ inch of the intended face, to be then thoroughly consolidated by means of the *thapki*, and before doing the work for the night, the whole area is to be intersected by diagonal lines drawn with trowels to a depth of about $\frac{1}{4}$ inch, and crossing each other at a distance of about 2 inches, so as to form a rough surface to which the remainder may adhere. Then, on the following day, the remaining portion of the plaster to be applied, and then consolidated by means of the *thapki*, care being taken to keep it as nearly in one vertical plane as possible, the whole being finished off on the same day with a very thin coating of plaster, in which the sand to be particularly fine, to bring the whole to a smooth surface."

7. The work, the cost of which was Rupees 250, was done necessarily at the very worst time of year, the hot weather just coming on, but care was taken to keep the work moist for some time after its completion, and it has been great success, a very fair facing having thus been provided, which has been in constant use ever since; the total cost of repairs to the plaster during the 5 $\frac{1}{2}$ years having been Rupees 2-12-6 only, and the wall being now, with the exception of one small place, which requires an expenditure of about Rupee 1, apparently nearly as good as when the plaster was first applied in February 1871.

8. The side and rear walls and the remainder of the front wall are still of lime plaster, and have stood well.

9. It is thought that the experience thus gained may perhaps be of use in reducing the cost of Fives or Racket Courts elsewhere.

10. So far as Fives balls are concerned, plaster made with Bombay lime and properly applied stands their blows very well, but this may not be so at stations where the lime is not of such good quality.

Copy of the above forwarded to the Military Department, Adjutant-General, Quartermaster-General, and Sanitary Commissioner with the Government of India for information.

No. 254. ORDER THEREON, 15th September 1876, No. 2,472.

MILITARY WORKS, No. 9

COMMUNICATED to District Engineers, who will report the results of any similar experiments they may make.

(True Extract)

(Signed) G. W. WALKER, Major-General, R E.,

Secretary to Government.

To District Engineers

Exd A. Grubert.
Spare Copies

GOVERNMENT OF INDIA.
PUBLIC WORKS DEPARTMENT.
MILITARY WORKS

To

THE GOVERNMENTS OF MADRAS, BOMBAY, BENGAL, NORTH-WESTERN PROVINCES AND PUNJAB, IN THE PUBLIC WORKS DEPARTMENT

THE CHIEF COMMISSIONERS OF OUDH, CENTRAL PROVINCES, BRITISH BURMAH, MYSORE AND COORG, AND ASSAM

THE RESIDENT AT HYDERABAD

THE AGENTS TO THE GOVERNOR GENERAL FOR CENTRAL INDIA AND RAJPOOTANA.

THE SUPERINTENDENT OF PORT BLAIR AND CHIEF COMMISSIONER OF THE ANDAMAN AND NICOBAR ISLANDS.

THE INSPECTOR GENERAL OF MILITARY WORKS

Circular No 52 Public Works.

Dated SIMLA, August 25, 1876

Received

File No 2472 d/15 Sept 1876
Communicated to
District Engineers,
who will report the
results of any similar
experiments they may
make. *W.L.*
P. 9.70

Result of an experiment by Major Merewether, R E, of cheap facing for the walls of Fives and Racket Courts

No 253/54

Supd. in charge
13/9/76

6513 (A)

Govt. of 1876 Madras.

PUBLIC WORKS.

To

*The District Engineer
The Commissioner of the District*

Dated

Issued

Recd.

Encl.

G. O., 15 Sept 1876, No. 2472.

Nos. 253/52

*Encl. 12/10
a-10-1/10*

Notes and Packet

Conts - Circular of the Government of India for forwarding for information copy of a memo: by Major Macleod, R.E. showing the result of an experiment made by him of cheap facing for the walls of
— Cont to D. Engrs.