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(2) Date of repair_____

(3) Initials of the Referencer_____

MADRAS RECORD OFFICE.

Government of Madras.

Public Works DEPARTMENT.

G.O. No. ³⁴¹⁻ 342 (W)	Press ~~Mis.~~
Dated 2-7-	1877.

Not to be folded or roughly handled

PUBLIC WORKS DEPARTMENT

Buildings and Roads
Civil Works

No. 342 W.

No 15

FROM

THE SECRETARY TO THE GOVERNMENT OF MADRAS,

Public Works Department,

To

THE SECRETARY TO THE GOVERNMENT OF INDIA,

Public Works Department

SIR,—Adverting to Captain Skipwith's Circular No. 18 of the 2nd May last, I am directed to forward a letter relative to the tests recently made by Mr Dejoux of the cement manufactured under Major-General Morgan's directions.

2. General Morgan points out that some of the results obtained by Mr. Dejoux were obviously incorrect

I have the honor to be,

Sir,

Your most obedient servant,

Colonel, R E,
Secretary to Government, P.W.D.

FORT ST. GEORGE,
2nd July 1877.

Exd. E C Shunker

Spare Copies

Skipwith's

PUBLIC WORKS DEPARTMENT.

2nd J. 77, No 341 W

Engs and Roads
Works

Read the following paper :—

No 13. From Major-General R. L'ORGAN, to the Chief Engineer and Secretary to Government, Lie Works Department, dated Ootacamund, 14th June 1877.

CAPTAIN MORANT, District Engineer, Nilgiris, having lately forwarded to me a copy of a report, March 3rd, 1877, of my cement sent to him by the Hon. being considered by Captain Morant & about to supply him with, I feel anxious concerning the cement that was sent same to the notice of Government, as it is calculated to do me a severe injury.

2. I have to state that the water used in the Harbour Works under a contract of 2 1/4 square inches I was therefore only 1/2 yet under Mr. Dejoux's unpractical har- No. 796, 797 and 798, stood on an average the guaranteed strength, further to Mr. Dejoux's table shows 37 per cent of water used, whereas experts never use more than 20 per cent. The same remark I may observe extends to the cement and sand briquettes, though here the excess was 25 per cent against 20. This excess of water will fully account for the cement being reported "dubious" by Mr. Dejoux. I can only assert that a six months' briquette was broken before Mr. Parkes of this identical cement, and it stood 1,390 lbs, the best harbour cement of the same age standing 1,405 lbs, that the cement last supplied to the Harbour Works from which blocks have been made has stood 1,400 lbs at the end of one month, that when compared with the English cement supplied to the Harbour Works, it was found to be 6 per cent. stronger, as per Mr. Tabor's report to me of 13th March last. In fact, stronger cement cannot be made any

3 As I have embarked a large amount of time and capital in perfecting the manufacture of this cement, I would beg that if any trials of my cement are to be made, which may materially affect its use, that these trials may be conducted by experts, and should any of the stronger cement now used in the Harbour Works be sent to Mr. Dejoux for trial, that he strictly confine his experiments to the usual form, viz, careful manipulation, and using not more than 20 per cent of water, or 6 ounces to the briquette. I may further remark that Mr Thorowgood tried the first cement at two months old against three of the harbour cements, and that of the four mine stood

Skinner's

highest but one. I would remark that unless cement is tested by an expert, "dubious" results must ensue. I would quote from Mr Parkes and others to show that identical results had followed from some cement sent out to Bombay for the Kurrachee Harbour Works. This cement stood 800 lbs. when shipped, when tested at Bombay by "novices" it was condemned as worthless, standing only 248 lbs; when re-tested by Mr. Parkes it stood 660, 690 and 800 lbs, showing but a slight deterioration. I have therefore "precedents" for what I advance, and I would respectfully urge upon the Government the absolute necessity of a rigid trial, and I would beg the favor of being supplied with any copies of orders regarding trials of my cement, otherwise I shall be in ignorance of what has been advanced against it without any opportunity of explanation.

No 14. ORDER THEREON, 2nd July 1877, No. 341 W.

GENERAL MORGAN's letter will be forwarded to the Government of India for information.

2 General Morgan will be supplied with copies of all reports regarding his cement which this Government may receive

(Here enter No 342 W, dated 2nd July 1877)

(True Extract)

Colonel, R E,
Secretary to Government, P.W.D.

To Major-General Morgan,
To District Engineers,
To the Chief Engineer for Irrigation,
" Consulting Engineer for Railways,
" Chief Engineer and Manager,
" Madras Irrigation and Canal Company,
" Superintendent, Madras Harbour Works,

in continuation of G O, No 160 W,
dated 29th May 1877

Exd E C Shunker
Spare Copies

Public Works Department

Proceedings of the Madras Government
Under date the

Read the following:-

Letter from Major Genl Morgan } (H. C. dated 14th June 1877).
Potacannid }

General Morgan's
letter will be forwarded to the
Government of India for in-
formation.

2 General Morgan will
be supplied with copies of all
reports regarding his cement
which this Government may
receive.

(H. C. No dated June 1877)

To
The Secretary to the
Government of India.
P.W.D.

Sir,
Adverting to Captain
Skipwith's

Shipwith's Circular No 18 of the 2nd May last, I am directed to forward a letter from ~~Major General Morgan~~ relative to the tests recently made by Mr. Dejeux of the cement manufactured under Major General Morgan's directions.

2. General Morgan points out that some of the results obtained by Mr. Dejeux were obviously incorrect, and ~~requests that if trial of his cement be made, such trial may be conducted by an expert.~~

P.M. Department

No 341 W.

Proceedings of the Madras Government

Under date the 2 July 77

Read the following

Letter from Major General Morgan } (H.B. dated 14th Jan'y 1877)
Cotacaimund

General Morgan's

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2. General Morgan will be supplied with copies of all reports regarding his cement which this Government may receive.

(H.B. No 342 dated 2 July 1877)

To The Secretary to the Government of India P.M.D.

Sir Advertising to Captain Shipwith's Circular No 18 of the 2nd May last, I am directed

Major Genl. Morgan

Ch. Secy } in int. of
Ch. Secy } G.O. No. 1664
Ch. Secy } 1/29 Aug. 1877
Supt. M.S. Vark

Defd = 13. 7. 77

2nd Aug.

directed to form and a letter
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H. L. L.

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Govt. of 1877 Madras
PUBLIC WORKS.
4-7-77

To

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Issued

Recd.

Encl

G O, 2^o July 1877, No 341W

Nos. 13-14
15

Forwarding letter
to the list recently
made by the Deputy
Commissioner of
under Major General
Morgan's direction

and manufactured
by Major General Morgan
in directions letter
Major General Morgan
to the list recently
made by the Deputy of
— forwarded to the
of India, and General
are furnished
of all reports
during his command

Entered in Register