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# TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

*P.W.D.* DEPARTMENT

|          |            |             |
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not to be folded or roughly handled

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1

GOVERNMENT OF MADRAS

PUBLIC WORKS DEPARTMENT

17th June 1879. N. 1619 W

Buildings and Roads  
Civil Works

Read the following papers —

No 71. From Major A. J. FILGATE, R.E., Officiating Deputy Secretary to the Government of India, Public Works Department (Account—Military and Civil), to the Secretary to the Government of Madras, Public Works Department, dated Simla, 16th April 1879, No 45 A—M and C.

I am directed to acknowledge the receipt of a copy of despatch to the Secretary of State by the Government of Madras, No 2, dated 12th February 1879, forwarding an indent for 2,000 tons of Portland cement required for the Madras Harbour Works.

2 It is unfortunate, I am to remark, that a sufficient quantity cannot be manufactured in Madras, and it is hoped that every effort will be made to increase that manufacture and to reduce the indents on England.

No 71-A From F. N. THOROWGOOD, Esq., Superintendent, Madras Harbour Works, to the Secretary to Government, Public Works Department, Buildings and Roads, dated Madras, 21st April 1879, No. 4 W.

I have the honor to submit a further and detailed report on General Morgan's supply of cement to these works in obedience to G.O., No. 176, of 14th March 1879.

2 There is no doubt that I used the cement supplied in January by General Morgan in rather too great a hurry, as I had found by testing it that it was not sufficiently weathered. I had received no notice from General Morgan that the January delivery of cement was unfit for use, and I had, as usual, passed the bills for payment when they were presented.

3 At the time of using the cement there was very little in store on the works, and only a small quantity was expected from England. I was therefore very anxious to use General Morgan's cement as soon as and to the extent possible. As the test-bills made from the cement failed to carry any severe strain, I could, perhaps, have hesitated in using the cement for blockmaking, but that is no excuse for unweathered cement having been sent to the works without any intimation of its condition.

4 In reply to my letter to the General, asking if he can give any sufficient reason for not bearing the cost of the blocks that have failed, he has stated April 6th, 1879, "that the cement was sent to be stored in the godown," and "was too new being unweathered and unfit for use." If this notice had been sent three months earlier of course I should not have thought of using the cement, but instead of any such notice being sent, I received from General Morgan's Agent bills for January's cement in the usual course, some of which bills are paid.

5 I regret to have to report at this date that the January delivery of cement from which the faulty blocks were made remains in a useless state still, and I believe that General Morgan will take it back. It has been three and-a-half months in my store and has been turned over and spread out exposed to the air, but it is no better than when used for making blocks.

6 With regard to this cement then it must be admitted that it is faulty. At any rate I have no hesitation in condemning it as unfit for use on these works, at the

same time I admit that I used it at a time of pressure, in too great a hurry, considering that the tests made from it were unsatisfactory.

7. The state of affairs at present with General Morgan's cement is the following —

He has supplied 2,000 tons ordered in 1876 by the late Mr James May in terms of a specification which placed the test strength at 400 lbs per brick, aged 7 days, at Rupees 40 per ton, and he is now supplying a second lot of 2,000 tons ordered by me in 1878, the strength of which is to be equal to the English cement, viz, 800 lbs per brick, aged 7 days, at Rupees 43 per ton.

8. Hitherto no cement delivered under the second contract has turned out fit for use, but General Morgan tells me it wants weathering. There are about 700 tons in store, but I cannot place my dependence upon it until the tests made from it improve. I therefore am obliged to depend entirely upon the English cement.

9. I have no doubt that General Morgan's cement will improve and be useful in time, but while it is improving the supply from England must not be allowed to cease. I therefore see no alternative but to continue to indent for English cement until there are decided signs of a permanent good quality in the cement made by General Morgan.

10. Mr Parkes and I have decided that in order to keep the work going properly there should be between two and three thousand tons of cement in store with the block ground full of concrete blocks. I feel I have let the stock get too low, but I had reckoned on the local supply increasing greatly this year. As things have turned out the local supply is no substitute for the English cement and must at present be disregarded. It will therefore become necessary to indent for another 1,000 tons of cement from England on the arrival in Madras of the 1,000 tons ordered by telegram, January 22nd, 1879, to come via canal, being part of the whole 3,000 tons indented for at that date.

11. I trust that the Government will see that before doing this General Morgan's cement has had a perfectly fair trial, but that as his manufactory is evidently not yet capable of turning out large quantities of cement that can be used as required, it is absolutely necessary to prepare for a further supply from England. It may be hoped by the time the 6,000 tons mentioned above have been delivered that General Morgan will be able to supply cement for the remainder of the work equal in quality to what he has supplied on many former occasions, and which was in every way equal to what was imported from England.

No 75 OFFICE THIRLON, 17th June 1879, No 1,619 W

COMMUNICATED to the Harbour Works Committee who will be required to report how effect can be given to the wishes of the Government of India as expressed in paragraph 2 of their letter above recorded.

2. It is observed that information as to the cause of failure of Morgan's cement has been called for in G.O., No 776 W, dated 14th March 1879, and a report on the subject submitted by the Superintendent of the Madras Harbour Works with his letter, No 4 W., dated 21st April 1879.

3. Ordered that a copy of this report be forwarded for the information of the Government of India.

(True Extract)

Major, R.E.,  
Ag Under Secy to Govt, P.W.D.

To the Superintendent, Madras Harbour Works  
Harbour Works Committee.  
Encl C Howarth  
Spare Copies

BUILDINGS AND ROADS  
CIVIL WORKS.

Sept. 31 (1879) Madras.

PUBLIC WORKS.

GOVERNMENT OF MADRAS.  
PUBLIC WORKS DEPARTMENT.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

17th June 1879, No. 1,620 W

Buildings and Roads.  
Civil Works

Read the following papers:—

No 74. From Major A. J. FILGATE, R.E., Officiating Deputy Secretary to the Government of India, Public Works Department (Account—Military and Civil), to the Secretary to the Government of Madras, Public Works Department, dated Simla, 16th April 1879, No. 45 A—M and C.

I AM directed to acknowledge the receipt of a copy of despatch to the Secretary of State by the Government of Madras, No. 2, dated 12th February 1879, forwarding an indent for 3,000 tons of Portland cement required for the Madras Harbour Works.

2 It is unfortunate, I am to remark, that a sufficient quantity cannot be manufactured in Madras, and it is hoped that every effort will be made to increase that manufacture and to reduce the indents on England.

No 74-A From F. N. THOROWGOOD, Esq., Superintendent, Madras Harbour Works, to the Secretary to Government, Public Works Department, Buildings and Roads, dated Madras, 21st April 1879, No. 4 W.

I HAVE the honor to submit a further and detailed report on General Morgan's supply of cement to these works in obedience to G.O., No. 776, of 14th March 1879.

2. There is no doubt that I used the cement supplied in January by General Morgan in rather too great a hurry, as I had found by testing it that it was not sufficiently weathered. I had received no notice from General Morgan that the January delivery of cement was unfit for use, and I had, as usual, passed the bill for payment when they were presented.

3. At the time of using the cement there was very little in store on the works, and only a small quantity was expected from England. I was therefore very anxious to use General Morgan's cement as soon and to a great extent possible. As the test bricks made from the cement failed to carry any severe strain, I ought perhaps to have hesitated in using the cement for blockmaking, but that is no excuse for unweathered cement having been sent to the works without any intimation of its condition.

4. In reply to my letter to the General, asking if he can give any sufficient reason for not bearing the cost of the blocks that have failed, he has stated April 6th, 1879, "that the cement was sent to be stored in the godown," and "was too new, being unweathered and unfit for use." If this notice had been sent three months earlier of course I should not have thought of using the cement, but instead of any

GOVERNMENT OF MADRAS.  
PUBLIC WORKS DEPARTMENT.  
17th June 1879, No. 1,620 W  
Buildings and Roads.  
Civil Works

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such notice being sent, I received from General Morgan's Agent bills for January's cement in the usual course, some of which bills are paid.

5. I regret to have to report at this date that the January delivery of cement from which the faulty blocks were made remains in a useless state still and I believe that General Morgan will take it back. It has been three and-a-half months in my store and has been turned over and spread out exposed to the air, but it is no better than when used for making blocks.

6. With regard to this cement then it must be admitted that it is faulty. At any rate I have no hesitation in condemning it as unfit for use on these works, at the same time I admit that I used it, at a time of pressure, in too great a hurry, considering that the tests made from it were unsatisfactory.

7. The state of affairs at present with General Morgan's cement is the following —

He has supplied 2,000 tons ordered in 1876 by the late Mr James May in terms of a specification which placed the test strength at 400 lbs per brick, aged 7 days, at Rupees 40 per ton, and he is now supplying a second lot of 2,000 tons ordered by me in 1878, the strength of which is to be equal to the English cement, viz, 800 lbs per brick, aged 7 days, at Rupees 48 per ton.

8. Hitherto no cement delivered under the second contract has turned out fit for use, but General Morgan tells me it wants weathering. There are about 700 tons in store, but I cannot place my dependence upon it until the tests made from it improve. I therefore am obliged to depend entirely upon the English cement.

9. I have no doubt that General Morgan's cement will improve and be useful in time, but while it is improving the supply from England must not be allowed to cease. I therefore see no alternative but to continue to indent for English cement until there are decided signs of a permanent good quality in the cement made by General Morgan.

10. Mr. Parkes and I have decided that in order to keep the work going properly there should be between two and three thousand tons of cement in store with the block ground full of concrete blocks. Lately I have let the stock get too low, but I had reckoned on the local supply increasing greatly this year. As things have turned out the local supply is no substitute for the English cement and must at present be disregarded. It will therefore become necessary to indent for another 4,000 tons of cement from England on the arrival in Madras of the 1,000 tons ordered by telegram, January 22nd, 1879, to come via canal, being part of the whole 3,000 tons indented for at that date.

11. I trust that the Government will see that before doing this General Morgan's cement has had a perfectly fair trial, but that as his manufactory is evidently not yet capable of turning out large quantities of cement that can be used as required, it is absolutely necessary to prepare for a further supply from England. It may be hoped by the time the 6,000 tons mentioned above have been delivered that General Morgan will be able to supply cement for the remainder of the work equal in quality to what he has supplied on many former occasions, and which was in every way equal to what was imported from England.

COMMUNICATED to the Harbour Works Committee who will be so good as to report how effect can be given to the wishes of the Government of India as expressed in paragraph 2 of their letter above recorded.

2. It is observed that information as to the cause of failure of Morgan's cement has been called for in G.O., No. 776 W, dated 11th March 1879, and a report on the

subject submitted by the Superintendent of the Madras Harbour Works with his letter, No. 4 W, dated 21st April 1879.

3. Ordered that a copy of this report be forwarded for the information of the Government of India.

(True Extract)

(Signed) R. H. SANKEY, Colonel, R.E.,  
Secretary to Govt., P.W.D.

To the Superintendent, Madras Harbour Works  
" Harbour Works Committee

No. 76 (Documt No. 1,620 W, dated 17th June 1879)

Copy forwarded to the Government of India.

(True Extract.)

Major, R.E.,  
Acting Under Secy to Govt., P.W.D.

Exd C Howarth  
Expare Copies

RECEIVED  
15/4/79

GOVERNMENT OF INDIA

PUBLIC WORKS DEPARTMENT

RECEIVED

15/4/79

15/4/79

15/4/79

15/4/79

15/4/79

15/4/79

15/4/79

All communications  
should be addressed  
to the Secretary

No 45. <sup>A</sup> <sup>More</sup>  
GOVERNMENT OF INDIA

PUBLIC WORKS DEPARTMENT.

ACCOUNT

Military & Civil

To The Secretary to the  
Government of Madras.  
Public Works Department.  
Amulw. 18 April 1879.

Sir,

I am directed to acknowledge the receipt of a copy of despatch to the Secretary of State by the Government of Madras No. 2 dated 12<sup>th</sup> February 1879, forwarding an indent for 3000 tons of Portland Cement required for the Madras Harbour works.

2. It is unfortunate, I am to remark, that a sufficient quantity cannot be manufactured in Madras and it is hoped that every effort will be made to increase that manufacture and to

Yours faithfully

reduce the indents on England -

I have the honor to be  
Sir,  
Your most obedt Servant  
Chas. J. Wyatt Major-Genl  
Offg. Secy to Govt of India

40. 1087. 4-4-119  
- 116 4-11-3-119  
- 116 4-3-2-119  
Ltr to H. M. J. 20 of 1879

No 4 IV

From

The SUPERINTENDENT,

MADRAS HARBOUR WORKS,

To

Colonel R. N. Sankey R.E.  
Secretary to Government  
Public Works Department  
Buildings and Roads.

MAD S. 21<sup>st</sup> April 1879

SIR,

I have the honor to submit a further and detailed report on General Morgan's supply of cement to these works, in accordance to G.O. No 776 of March 14<sup>th</sup> 1879.

2. There is no doubt that I used the cement supplied in January by General Morgan in rather too great a hurry, as I had found by testing it that it was not sufficiently weathered. I had received no notice from General Morgan that the January delivery of cement was unfit for use and I had, as usual, passed the bills for payment when they were presented.

3. At the time of using the cement there was very little in store on the works, and only a small quantity was expected from England I was therefore very anxious to

Yr

Ltr to H. M. J. 20 of 1879

to use General Morgan's cement as  
soon and to a great an extent possible.  
As the test bricks from the cement  
failed to carry any severe strain  
I ought perhaps to have hesitated  
in using the cement for blockmaking  
but that is no excuse for unweather-  
ed cement having been sent to the  
works without any intimation of  
its condition.

4. In reply to my letter to the  
General asking if he can give  
any sufficient reason for not  
bearing the cost of the blocks  
that have failed he has stated  
April 6<sup>th</sup> 1879 "that the cement  
was sent to be stored in the godown,  
"and was too new, being unweathered  
and unfit for use." If this notice  
had been sent three months earlier  
of course I should not have thought  
of using the cement, but instead  
of any such notice being sent  
I received from General Morgan's  
Agent bills for January's cement  
in

in the usual course, some of which  
bills are paid. ✓ 16/1982

5. I regret to have to report at this  
date that the January delivery of  
cement from which the faulty blocks  
were made) remains in a useless  
state still, and I believe that  
General Morgan will take it back.  
It has been 3½ months in my store  
and has been turned over and spread  
out exposed to the air, but it is  
no better than when used for  
making blocks.

6. With regard to this cement  
then it must be admitted that it  
is faulty. At any rate I have  
no hesitation in condemning it as  
unfit for use on these works, at  
the same time I admit that I used  
it, at a time of pressure, in too great  
a hurry considering that the  
tests made from it were unsatisfactory.  
The

7. The state of affairs at present in  
with General Morgan's consent is  
the following.

He has supplied 2000 tons  
ordered in 1876 by the late Mr.  
James May in terms of a  
specification which placed  
the test strength at 400 lb per  
brick aged 7 days, at £40 per ton.  
and he is now supplying a  
second lot of 2000 tons ordered  
by me in 1878 the strength of  
which is to be equal to the  
English cement, viz. 800 lbs.  
per brick aged 7 days, at £43  
per ton.

8. Hitherto no cement delivered  
under the second contract  
has turned out fit for use, but  
General Morgan tells me it  
wants weathering. There are  
about

120  
about 700 tons in store but I do not  
place any dependence upon it until  
the tests made from it improve.  
I therefore am obliged to depend  
entirely upon the English cement.  
I have no doubt that General  
Morgan's cement will improve  
and be useful in time, but while  
it is improving the supply from  
England must not be allowed to  
cease. I therefore see no alternative  
but to continue to indent for  
English cement until there are  
decided signs of a permanent  
good quality in the cement made  
by General Morgan.

10. Mr. Parker and I have decided  
that in order to keep the work  
going properly there should be  
between two and three thousand  
tons of cement in store with the  
black ground full of concrete  
blocks. Lately I have let the  
Stock

stock get too low, but I had reckoned on the local supply increasing greatly this year. As things have turned out the local supply is no substitute for the English cement and must at present be disregarded - It will therefore become necessary to indent for another 3000 tons of cement from England on the arrival in Madras of the 1000 tons ordered by telegram January 22<sup>nd</sup> 1879 to come via canal being part of the whole 3000 tons indent- ed for at that date.

11. I trust that the Government will see that before doing this General Morgan's cement has had a perfectly fair trial, but that as his manufactory is evidently not yet capable to turning out large quantities of cement that can be used as required, it is absolutely necessary to

to prepare for a further supply from England - It may be hoped by the time the 6000 tons mentioned above have been delivered that General Morgan will be able to supply cement for the remainder of the work equal in quality to what he has supplied on many former occasions and which was in every way equal to what was imported from England.

I have the honour to be,  
Sir,

Your most obed<sup>t</sup> Servant

A. H. Morgan.  
Superintendent  
M. S. Works

92.9-776#-14-2-79  
1034#-7-11-79-

# Buildings & Roads

10/19/79

Dated 21<sup>st</sup> April 1879

No 4 M.

## Madras Cement

Submits further report  
on General Mangani  
Cement.

2. Oct 22-79

10/19/79 Public Works Department  
PROCEEDINGS OF THE MADRAS GOVERNMENT.  
Under date the 17<sup>th</sup> April 1879  
Read the following—

From the Asst. Secy (H.E. P. No. 4 of 16th March/79)  
" — the Asst. Secy (H.E. P. No. 4 of 21<sup>st</sup> — do)

Communicated to the  
Harbour Works Committee  
who will be so good  
as to report how effect  
can be given to the wishes  
of the Government of  
India as expressed in  
para: 2 of their letter  
above recorded.

2 It is observed that  
information as to the  
cause of failure of Mangani  
cement has been called  
for in L.O. No. 776 of 14<sup>th</sup>  
March 1879, and  
a report on the subject  
submitted by the

Superintendent of the  
Madras Harbour Works  
with his letter & P.O. No.  
dated 21<sup>st</sup> April 1879.

3 Ordered that a copy  
of this report be forward-  
ed for the information  
of the Government of  
India.

N.E. 451620/17<sup>th</sup> June 79

Copy forwarded  
to the Govt of India.

Wm  
W. L.

Decr. 25-6-79.

Recd  
Wm  
W. L.

161922E  
11

No. 3261  
 Vol. of 115708 Madras  
 PUBLIC WORKS.

11/6/79  
 11/9/79

To  
 Laid  
 Laid  
 Paid

G.O. 17 June 1879  
 1620

No. 74-75

Current for the Madras  
 Harbour Works Letter  
 from the Govt requesting  
 to increase the local man-  
 power of — and to reduce  
 the indent to as far as  
 current to the Superintending

Towards copy of report  
 on the failure of General  
 Munjani's current used for  
 the Madras Harbour Works  
 Committee

No. 25-6-79