

(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. 2517

Press
Mis.

663-665

Dated 31 - 8 - 1864.

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*Proceedings of the Madras Government, Public Works Department,
31st August 1864.*

Read the following letters :—

No. 663. From H. D. E. DALRYMPLE, Esq., Master Attendant in charge of the Marine Superintendent's Office, to Colonel C. A. ORR, R. E., Secretary to Government, Department Public Works, dated Madras, 26th July 1864, No. 1,874.

SIR,

1. I have the honor to bring to the notice of Government the immediate necessity of removing the two stone groins on the Beach next to the Pier on the north and south sides.

2. Since the first pile of the Pier was driven in at high water mark, the Beach has gained on the sea one hundred feet.

3. This of course must be attributed to the position of the groins, and is in fact the result which was looked for when they were laid down.

4. But this result is now antagonistic to the usefulness of the Pier, for the Beach having gained on the sea, as a natural consequence the line of surf is thrown in the same proportion further out on the Pier, and the same measurement of wharf for cargo boats lost.

5. As I have of late anxiously watched the rapid increase of the Beach, and know to a certainty that if it is allowed to go on the Pier must become useless for traffic, I have the honor strongly to recommend the immediate removal of the groins. The stones of which they are composed have only to be moved from one hundred to two hundred feet to be formed into a low rough wall along the line of bulwark facing the sea.

Referred to the Superintending Engineer, 4th Division, for early report.

CHEPAUK,
28th July 1864.

(Signed) J. H. M. SHAW STEWART, Major, R. E.,
Deputy Secretary to Government, P.W.D.

No. 664. From Colonel A. J. M. BOILEAU, R. E., Superintending Engineer, 4th Division, to Colonel C. A. ORR, R. E., Secretary to Government, Public Works Department, dated Madras, 22nd August 1864, No. 2,387.

SIR,

1. With reference to your Endorsement, dated 28th July 1864, on Mr. Dalrymple's letter No. 1,874 (herewith returned), I have the honor to inform you that I do not concur with the Acting Superintendent of Marine in considering

the removal of the groins next to the Pier, on the north and south sides, *immediately* necessary.

2. The line of Beach varies so greatly at different times of the year that without continual, careful surveys being made, it is difficult to say absolutely how far it has gained on the sea.

3. My impression is that the Pier itself, acting as a groin, has been principally the means of the Beach extension, and that this would have taken place, whether the groins were there or no.

4. I cannot see that the usefulness of the Pier is as yet in any way affected by the Beach line being thrown forward. So far as my observation goes the first surf always breaks a long way nearer the shore than the ladder, and the wharfage which extends between the two ladders is in no way affected. I would recommend that no action be taken on the Acting Superintendent of Marine's letter, until the effect of the next North-East Monsoon has been noted. This of course I shall carefully observe, when I shall be in a better position to address Government on the matter, and to give the information required by the French Government at Pondicherry called for in Proceedings No. 672, dated 5th March 1864.

5. A report by the Acting Executive Engineer, Northern Range, Presidency, on this subject, is enclosed.

Shy

Proceedings of the Madras Government, Public Works Department,
31st August 1864.

From Captain H. W. WOOD, R. E., for Executive Engineer, Presidency, North Range, to
Colonel A. J. M. BOILEAU, R. E., Superintending Engineer, 4th Division, dated Fort
Saint George, 3rd August 1864, No. 247.

SIR,

1. With reference to your Memorandum No. 1,994, dated 1st instant, forwarding for my
remarks letter from the Master Attendant to the Secretary to Government Department Public
Works, regarding the removal of the groins immediately north and south of the Madras Pier,
I have the honor to submit the following.

2. Early in 1861 repairs were made to various groins along the North Beach by me. Being
in charge at that time of the Northern Range of the Presidency District, I (at the request of
Mr. Gibson, who was at that time the Contractor's Engineer at the Pier works) refrained from
adding to the particular above mentioned groins which were very much out of repair from the
action of the surf on them. Mr. Gibson stated to me (what of course most people will admit) that
such repairs and additions as were contemplated, would be rendered unnecessary on account of
the tendency the piles of the Pier would have to act in the same way as a groin, and cause the
deposit of the sand along the Beach. No repairs or additions of the groins were therefore made
at that time nor have any such been executed subsequently. For the last three years, in my
opinion, the groins referred to have been in a condition utterly incapable of causing any deposit
of sand along the Beach, and I therefore beg to submit my opinion that the existence of their
debris on the Beach is a matter of indifference.

3. During the last three years and a half I have frequently taken particular notice of the
effect the Pier has had on the Beach. The result of my observation is that to a certain distance
from the abutment along the Pier a spit of sand is being thrown out; in fact that the Pier is
acting itself as a groin. I am not aware whether my view of the case is borne out by the
soundings taken previous and subsequent to the commencement of 1861: but, even should it
not be so borne out, I should suggest in explanation of this, that the confused action of the surf
among the piles may tend to keep up the depth along the Pier line.

4. Generally, on a moderate day, an observer standing on the Pier looking inland will find
himself over the apex of a triangle, of which two sides are formed by the surf breaking towards
the Beach, the third side being the Beach itself.

5. This fact seems to me to prove that the surf breaks on a spit of land as I have above
explained. I beg to return the enclosure forwarded with your Memorandum under reply.

No. 665.

ORDER THEREON, 31st August 1864, No. 2,517.

The Government will defer passing orders upon the letter from the Superintendent of Marine
recorded above, until the receipt of the further report promised by the Superintending Engineer,
4th Division, after the next North-East Monsoon.

(True Extract.)

(Signed) J. H. M. SHAW STEWART, Major, R. E.,
Deputy Secretary to Government.

To the Superintending Engineer, 4th Division,
,, Superintendent of Marine.

Exd. S. T. Augustin.

*At the Pier and what the Engineer
has the entire of the action of the
beach - 1/10*

*The true course of the action
is a certain extent - I do not think
that the plan proposed has anything
to do with the action of the beach
at the Pier and I think it probable
that the beach will be action of the
beach - reached - however it would be
as well that the action of the beach
should be taken into consideration
every day the sea is out and the debris along*

Superintendent Engineer

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*Not done
of action*

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Referred to the Supp.
Engineer 4th Division for early
report.

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28 July/64

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MacStewart
Major RE
By Sect to Genl. P. M. D.

28 July/64

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as well as
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1864
From *Pro. of Govt. of Hong Kong*
3813
The Master Attendant in charge
of the Marine Superintendent's
Office
The Secretary to Government
D. P. W.

Dated 26th July 1864
Recd 27

N^o 1874

3711/64

Recommends the immediate
removal of the stone grains
on the Beach, next to the Pier,
No. 2517 - 31st Aug 1864

No 663

26th Aug 1864 D. 299

with an order.

as well as the
secretary to the
every the year so as to see

Ally

To Govt P.W.D. No 2387 of 22nd Aug 1864

No 2387.

Dated 22nd Aug 1864

From

The Superintendent Engineer P.W.D. No 6

To

The Acting Engineer P.W.D. No 1

Dated 3rd August

Order 5 1864

No 247.

Enclosure 1.

Reports regarding
the removal of the
groins North & South
of the Madras Pier -
/ 37th / 64

26th Aug 1864

as well as the
stones to be used
every year to be used

No 2387.

Superintendent Engineer's Office 4th Div.
Madras 22nd August 1864.

From

Colonel A. J. Mc. Boileau R. E.

Superintendent Engineer 4th Division

To

Colonel C. A. Orr R. E.

Secretary to Government P.W.D.

Sir

Enclosures

are letter.

One Report.

With reference to your endorsement
dated 28th July 1864 on Mr. Dalrymple's
letter No 1874 (herewith returned). I have the
honor to inform you that I do not concur with
the Acting Superintendent of Marine in con-
sidering the removal of the groins next to the
Pier, on the North and South sides, immediately
necessary.

2 The line of beach varies so greatly
at different times of the year that without
continual, careful surveys being made, it is
difficult to say absolutely how far it has gained
on the sea.

Very

3 My impression is that the Pier itself, acting as a bygone, has been principally the means of the beach extension, and that this would have taken place, whether the groins were there or no.

4 I cannot see that the usefulness of the Pier is as yet in any way affected by the Beach line being thrown forward. So far as my observation goes the first surf always breaks a long way nearer the shore than the ladder, and the wharfage which extends between the two ladders is in no way affected. I would recommend that no action be taken on the Acting Superintendent's Marine's letter, until the effect of the next N. E. Monsoon has been noted. This of course I shall carefully observe, when I shall be better in position to address Government on the matter, and to give the information required by the French Government at Pondicherry called for in Proceedings No 672 dated 5th March 1864.

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5- A report by the Acting Executive Engineer Northern Range Presidency on this subject is enclosed.

Madras
22^d August 1864 }

I have the honor to be

Sir
Your Most Obedient-Servant

A. P. S. Col R. E.

Supd. Insr. 4. Division

To
Colonel C. A. Orr. R. E.
Secretary to Government P. M. D.

Public Works Department
No 2517

Proceedings of the Madras Government
Under date the 31st August 1864

Read the following
From the Master Attendant in charge of the Marine Superintendent's Office

Recommends the immediate removal of the store grounds on the Beach, next to the Pier; -
From the Sup^r Engineer 4th Div.

H. E. 26th July 1864 No 1874.

States that no action should for the present be taken on the Marine Sup^r's suggestions regarding the removal of the groynes near the Pier.

H. E. 22nd August 1864 No 2387.

The Government
will defer passing
orders upon the letter
from the Superintendent
of Marine recorded
above, until the receipt
of the further report
promised by the
superintending

enclosed

D. H. S. 1000
H. E. 23rd July 1864
From the Sup^r Engineer, 4th Div.
To the Secretary to Govt P.W.D.

Dated 22nd August 1864
No 2387.

States that no action
should for the present be
taken on the Marine Sup^r's
suggestions regarding the
removal of the groynes near
the Pier.

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226 made 1864 On 29th

No 2517-31470 dated 1864

Superintendent Engineer

4th Division of the

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Superintendent Engineer 4th Div.

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the a Madras Pen, Presidency
Districts, on the north and
south sides. —