

(1) Number of pages 12(2) Date of repair 15-2-43

(3) Initials of the Referencer _____

MADRAS RECORD OFFICE.

Government of Madras.

Public Works DEPARTMENT.

G.O. No. 2773	Press Mis.
7-8	
Dated 1-9-1866.	

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
1st September 1866.*

No. 7. Read the following letter from the Superintendent of Marine, to the Secretary to Government, Public Works Department, dated Madras, 23rd August 1866, No. 3,224:—

1. I had the honor in my letter of the 27th October 1864, No. 3,642, to recommend that certain groynes on each side of the Madras Pier should be partly removed. Having but lately arrived from England, I was not prepared to say that they had caused the deposit of sand which was observed to have taken place about the Pier; but as it seemed to me that every endeavour should be made to arrest the progress of the beach to seawards, thus threatening to render nugatory a work which has entailed so heavy an expense, and as the groynes were no longer of service, for the beach which they were intended to protect had already encroached too far on the sea, I recommended the removal of fifty feet of the outer end of the groynes, feeling satisfied that this could do no harm, and might do much good.

2. The Government, in the Public Works Department, declined, in their Proceedings of the 18th January 1865, No. 174, to permit them to be removed or altered, considering that there was no reason to apprehend any permanent injurious effects on the depth of water near the Pier from their action.

3. I now beg to forward copy of the soundings taken for the last two months on the north side of the Pier, which during the present season is the working side, with the corresponding soundings for 1863 and 1865, from which it will be perceived that the sand has, during the entire period, silted up eight or nine feet, and during the last year four or five feet, in the only part where boats can load and unload, viz., from the ladder outwards. Inshore of this the depths are very irregular, and in some places are greater than before; but this is of no benefit to the port, as boats cannot lie inside the ladders.

4. The deposit has increased to such an extent, causing the sea to break outside the ladders and endanger ships' boats, several of which have been swamped, that it is doubtful whether it can now be removed; but as every thing tending to form a deposit should be got rid of, I venture again to solicit permission to have fifty feet of the outer part of each of the groynes removed.

5. The wreck of the "Eva," which lies between the Pier and the southern groyne, has no doubt had its share in accumulating sand. The Government, in Proceedings marginally noted, directed that No. 80, dated 27th March 1866, Marine Department, measures should be taken for blowing it up; but as yet this has not been done, although it is understood that the work will shortly be taken in hand.

No. 8. ORDER THEREON, 1st September 1866, No. 2,773.

CIVIL WORKS, No. 2.

1. As the decrease of the soundings along the line of the Pier appears to have taken place, to any notable extent, only near the outward extremity of the work, and not near its shore end as would have been the case had the groynes been the cause, the Government are

*For
Sine Supdt's Office
August 1866*

Superintendent of Marine

Proceedings of the Madras Government, Public Works Department,
1st September, 1866.

by no means satisfied that the removal of the groynes will effect any improvement. It seems probable that the obstruction offered to the littoral current by the Pier, and more especially by its T head is the cause of the deposition of sand from the 85th pile outwards, and that the groynes can have no influence so far to seaward in deep water, when they have none of any importance or permanence on the fore-shore from the same pile inwards. Nevertheless, if funds for the partial removal of the groynes can be provided from the Port Funds, the Government will not object to their being diminished in length by fifty feet as an experiment, the stones being reserved by the Public Works Department.

2. The attention of the Superintending Engineer of the 4th Division is drawn to the necessity for definitive measures being taken for blowing up the wreck of the ship "Eva" without more delay.

(True Extract.)

(Signed) CHARLES A. ORR, Colonel, R. E.,
Secretary to Government.

To the Superintending Engineer, 4th Division.
" Superintendent of Marine.
" Marine Department.
" Controller of Public Works Accounts.
" Accountant General.

Exd. S. T. Augustin.

Soundings taken on the North side of the Madras Pier in 1863, 1865 and 1866 showing the gradual decrease in the depth of water.

No.	Soundings	In 3 years	In last year	Soundings	In 3 years	In last year
File	July 1st 1863	June 30th 1865	July 2nd 1866	lost gained	lost gained	lost gained
	1863	1865	1866	1863	1865	1866
	ft. in	ft. in	ft. in	ft. in	ft. in	ft. in
10						
13						
16						
19						
22	1-9	1-9				
25	3-5	3-9	3-1			
28	5-1	5-3	3-9			
31	5-6	6-4	4-1			
34	5-2	6-4	4-5			
37	5-6	5-3	5-1			
40	5-8	5-3	5-9			
43	6-4	5-3	6-5			
46	7-0	5-3	6-5			
49	6-8	4-4	5-9			
52	6-2	4-4	4-9			
55	4-10	5-3	5-1			
58	4-8	6-3	6-5			
61	5-8	8-2	8-4			
64	7-0	9-8	11-4			
67	8-6	11-0	15-2			
70	9-6	13-2	14-4			
73	11-6	13-2	14-4			
76	13-8	13-9	14-0			
79	15-3	15-1	14-4			
82	17-7	16-3	15-0			
85	18-5	17-7	15-8			
88	18-9	19-11	16-0			
91	20-3	19-11	16-4			
94	23-6	20-3	16-11			
97	26-2	22-4	16-11			
100	26-10	23-2	17-11			
103	26-10	23-2	18-11			
106	26-10	23-2	18-3			
109	25-6	22-6	18-3			
112	23-10	22-2	17-11			
114	23-8	21-11	18-11			

Madras
Marine Supdt's Office
23rd August 1866

Superintendent of Marine

N^o 3324

From
The Superintendent of Marine
To
The Secretary to Government
Public Works Department
Port Saint George

Sir

I had the honor in my letter of the 27th October 1864, N^o 3642, to recommend that certain grines on each side of the Madras pier should be partly removed. Having but lately arrived from England I was not prepared to say that they had caused the deposit of sand which was observed to have taken place about the pier; but as it seemed to me that every endeavour should be made to arrest the progress of the beach to seawards, thus threatening to render nugatory a work which has entailed so heavy an expense; and as the grines were no longer of service, for the beach which they were intended to protect had already encroached too far on the sea, I recommended the removal of 50 feet of the outer end of the grines, feeling satisfied that this could do no harm and might do much good.

2 The Government in the P.W. Department declined, in their Proceedings of the 18th January 1865, N^o 174, to permit them to be removed or altered.

22/10/65

And Mr. ...

Public Works Department.

27/8/86
No 2773.
3494

PROCEEDINGS of the **MADRAS GOVERNMENT**
Under date the 1st Sept 1886.
Read the following

From Mr. Supt. of Marine - (Here enter No. 3324 dated 23rd Aug 1886.)

As the decrease of the soundings along the line of the Pier appears to have taken place, to any notable extent, only over the outward extremity of the work, and not near its shore end as would have been the case had the groynes been the cause, the Government are by no means satisfied that the removal of the groynes will

W.D.

John

1886
To the Secretary to Government
Public Works Department
Mr. David George

Dated 23rd Aug 1886
Recd 24th 1886

Case No 3324

forwarded copy of the Pier
Soundings taken for the last
two years and for years
stated below's permission
to have 50 feet of the outer
part of each of the piers
removed. It is stated that the
width of the "Pier" has not
been shown up as yet.
2773-1st Sept 1886

Nevertheless, if funds for
the partial removal of the
grapes can be provided

To
The P. Pres. of the
" Dept of Marine
" Marine Dept
" Dockyard
" Assistant

Decr. 3^d Sept.

P. W. 186 G. Department.

Prop of Govt for Sept 1866

No 2773.

the Madras.

PROCEEDINGS OF GOVERNMENT.

Dated 1st Sept 1866

Certain instructions
have issued relative to the
diminishing of the length
of the frigates on each side
of Madras Pier, as an
Experiment.