

[L. & M.]
[3,000-12-9-98.]

Local & Munl. (1898) Department.

MISCELLANEOUS

G.O., No. 1788 M

DATED 20-10-98.

INDEXED.

RECEIVED

[Despatch Abstract.]

Erosion of the Sea to the North of the Madras Harbour.

Communicating to the Munl. Commissioners of Madras, Ld. Marine Deptt. Communicating Ld. No 775, of 9th Sept 1898, determining the liability of the Harbour Trust Bd. for damage caused to the — and offering suggestions in regard to proposed protective revetment & the protection of the sewage farm from further erosion. A promise of help from Provincial fund being also held out.

BACK PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

FURTHER PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

Local & Munl. (189) Department.

CURRENT No. 2969.16

From ^{the} Marine Department

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Order No. 1788 Munl. D. 20/10/98

Communicated to the
Municipal Commissioners of
Madras.

No. 775

KR
12/10/98

20/10/98

Dated 9-9-98

Received 21-9-98

Registered

Enclosures

Spare copies.

SUBJECT.

Passing ~~the~~ ^{determining} ~~the~~ ^{the} ~~liability~~ ^{liability} ~~of the~~ ^{of the} ~~Harbour Trust~~ ^{Harbour Trust} ~~for~~ ^{for} ~~damage~~ ^{damage} ~~caused~~ ^{caused} ~~by the~~ ^{by the} ~~erosion~~ ^{erosion} ~~of the~~ ^{of the} ~~sea to the north~~ ^{sea to the north} ~~of the~~ ^{of the} ~~Madras Harbour~~ ^{Madras Harbour} ~~and~~ ^{and} ~~offering~~ ^{offering} ~~suggestions~~ ^{suggestions} ~~in regard~~ ^{in regard} ~~to the~~ ^{to the} ~~proposed~~ ^{proposed} ~~protective~~ ^{protective} ~~revetment~~ ^{revetment} ~~and the~~ ^{and the} ~~protection~~ ^{protection} ~~of the~~ ^{of the} ~~sewage farm~~ ^{sewage farm} ~~from~~ ^{from} ~~further~~ ^{further} ~~erosion~~ ^{erosion} ~~a promise~~ ^{a promise} ~~of help~~ ^{of help} ~~from~~ ^{from} ~~Provincial funds~~ ^{Provincial funds} ~~being~~ ^{being} ~~also~~ ^{also} ~~held out~~ ^{held out}.

To

The Presd. Munl. Commr.

Madras.

Kind order dated 21/10/98

W/27

BACK PAPERS.

G.O.	No.	Department.	Date.

FURTHER PAPERS.

G.O.	No.	Department.	Date.

Government {1898} of Madras. MARINE.

[To be substituted for G.O. of same number and date.]

Recd.

Enclosures

Regd.

1898.

Spare copies

G.O., No. 775, 9th September 1898.

SEPTEMBER.

Erosion by the Sea of the Foreshore to the North of the Madras Harbour

Determining the liability of the Harbour Trust Board in regard to the —, offering suggestions as to the proposed protective works, and intimating that Government will endeavour to afford some assistance as soon as the state of the Provincial finances renders it possible to do so.

GOVERNMENT OF MADRAS.

MARINE DEPARTMENT.

READ—again the following paper:—

G.O., No. 647, Marine, dated 26th July 1898.

READ—also the following papers:—

From the Government Solicitor, dated 29th July 1898, No. 308.
 „ Chairman, Harbour Trust Board, dated 5th August 1898, No. 1688.
 „ „ „ „ 11th „ „ „ 1756.

ORDER—No. 775, Marine, dated 9th September 1898.

The correspondence read above relates to the liability of the Madras Harbour Trust Board for the damage caused by the erosion of the foreshore to the north of the harbour.

2. His Excellency the Governor in Council has taken the opinion of the Advocate-General, Madras, on the legal questions involved. The general conclusion arrived at is that, if it can be proved that the harbour works are the cause of, or contributory to, the erosion now going on, the Harbour Trust is liable, and should in its own interests take immediate steps to prevent the continuance of such erosion.

3. The Board has also taken the opinion of the Advocate-General, Bengal, who has arrived at a similar conclusion. He further advises that the monies acquired by the Board can be legally applied for the purpose of extending the present revetment, of repairing and maintaining either the present or the extended revetment, or of taking other precautionary measures to prevent erosion to property not vested in the Trustees, and of compensating owners of property for damage caused by such erosion.

4. As regards the cause of the erosion, the Government is advised that this is due to—

- (1) occasional attacks by the sea;
- (2) the constant presence of the harbour groynes, the latter being the main cause.

Such being the case, the responsibility of the Board for the greater portion of the damage done admits of no dispute, and under section 68 of the Harbour Trust Act, Government is empowered to compel the Board to repair the existing revetment and extend it within port limits.

5. In G.O., No. 524, Marine, dated 20th June 1898, an estimate submitted by the Chairman, Harbour Trust Board, for repairing the existing revetment, amounting to Rs. 61,879, was sanctioned for immediate execution; and in the execution of the work the Harbour Trust Board was requested to attend to certain suggestions made by the Chief Engineer, namely, that—

- (1) the stone used for renewing the revetment should not measure less than 2 cubic feet and should be packed at a proper slope;
- (2) the revetment should have its toe protected by bags of Portland cement concrete or by blocks.

Acting on these suggestions the Chairman, Harbour Trust Board, has submitted with his letter No. 1756, dated 11th August 1898, read above, an estimate amounting to Rs. 6,10,162 for a protective revetment with concrete blocks forming a continuous sea wall from immediately north of Clive's Battery to the north end of the present loose rubble protection, and forwarded at the same time an extract of Proceedings of the Harbour Trust Board, in which the Board notes that its Engineer does not consider the proposed section and method of construction any better than the present rubble protection. The Chairman also asks for orders on the Board Engineer's suggestion that large and small rubble should be used together and not large stone only. With regard to this latter question, Government observes that the Chief Engineer's suggestion to use large stone only in the renewal of the revetment was due to the fact that he considered that the proportion of small stone in the present revetment was too great, and that sufficient small stone was already present to fill interstices. It was intended that the new large stone and the old small stone should be used together. As, however, the Board is responsible for the protection of the foreshore, Government will leave it to them to repair the revetment as they may be advised by their Engineer, but would suggest that in the corner formed by the shore and the N. groyne of the harbour, which is peculiarly exposed to the attacks of the sea in the north-east monsoon, and for so far up the shore as valuable buildings extend, it will in the long run be more economical so to construct the revetment, or other protection, that it shall be capable of withstanding a violent attack of the sea.

6. The Government is further advised that the Board is legally liable to the Municipality for all damage done by the sea to the sewage farm outside port limits. In its own interests and in those of the sanitation of Madras, the Board is accordingly recommended to lose no time in protecting the sewage farm from further erosion, it being apparently certain that there is no other possible site for it.

7. In view of the restricted resources of the Harbour Trust Board and the large demands upon them, His Excellency in Council will endeavour to afford them some assistance as soon as the state of the Provincial finances renders it possible for him to do so.

(True Extract.)

(Signed) W. B. DEWINTON,
 Secretary to Government.

To the Chairman, Harbour Trust Board, with ten plans.

- „ Government Solicitor.
- „ Accountant-General.
- „ Examiner, Public Works Accounts.
- „ Local and Municipal Department.
- „ Financial Department.

Government (1898) of Madras.
MARINE.



Recd. 21 SEP 1898
Regd. } 1898.

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G.O., No. 775, 9th September 1898.

SEPTEMBER.

Erosion of the Sea to the North of the Madras Harbour

Determining the liability of the Harbour Trust Board for damage caused by the — and offering suggestions in regard to the proposed protective revetment and the protection of the sewage farm from further erosion, a promise of help from Provincial Funds being also held out.

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(True Extract.)

A. K. M. S.

Under Secretary to Government.

To the Chairman, Harbour Trust Board, with ten plans.

- „ Government Solicitor.
- „ Accountant-General.
- „ Examiner, Public Works Accounts. ✓
- „ Local and Municipal Department. ✓
- „ Financial Department.

Government (1898) of Madras.
MARINE.

[To be substituted for G.O. of same number and date]

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Exd. T. K. Narayana Aiyangar.

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CURRENT No.

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ORDER OF GOVERNMENT A A A A A A A

LETTER OF GOVERNMENT.

STATEMENT WITH DITTO.

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