

A NEW APPROACH TO THE PROBLEM OF SEA EROSION

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Sea erosion is an ever increasing problem in Sri Lanka and a constructive solution to this question is very important and urgent. A scientific study on sea erosion has shown that a significant part of the island has been enveloped in sea water during the last hundred and fifty years or so. Also, a recent study observes that the coverage of statistical data so far collected is inadequate to work out a solution for this vexed question.

An attempt has been made in this study to use multifactorial experiments. For this purpose it is very necessary to select such factors which take place with high correlation coefficients and the mathematical models afford an opportunity to understand the process of the sea erosion which is very close to the real situation.

As a solution to the problem of sea erosion metallic stones are being placed in a haphazard way to avoid the powerful massive sea waves. These stones are being placed by the sea or by the side of the roads at the sea-shore where these could be easily destroyed by the force of sea erosion. Placing the stones randomly by the above given method can accelerate the process of erosion itself which ultimately destroys the coasts.

Sea erosion due to external and internal factors have been considered in the study.