
DIVE SURVEY, MARINE GEOTECHNICAL INVESTIGATION AND ANALYSIS FOR PROPOSED UNDERWATER REEF, MIRYA BAY

COASTAL OF RATNAGIRI, MAHARASHTRA



Figure 1: Drilling in Marine

BRIEF: The Mirya Bay area, situated along the coast of Ratnagiri, Maharashtra, India, faces significant challenges due to coastal erosion. This issue has been intensified by both natural factors, such as strong monsoons and wave action, and human activities, including construction and unregulated coastal development. The resulting shoreline erosion has led to land loss, directly affecting local communities that rely on fisheries and tourism. This case study focuses on evaluating the geotechnical properties of the site and conducting a sea bed dive survey to support safe and sustainable development.

SALIENT FEATURES OF THE PROJECT:

LOCATION: Mirya Bay, Ratnagiri, MH

ELEVATION: Sea level

PROJECT YEAR: 2012

OWNER: Maharashtra Maritime Board (MMB)

CONTRACTOR: Maccaferri Environmental Solution Pvt. Ltd.

SCOPE OF WORK: Four boreholes (BH) were drilled to a depth of 20 meters below the sea bed, accompanied by a dive survey.

