

INTEGRITY TESTS – A MYTH OR AN ESSENTIAL TOOL:

SYNOPSIS

The authors here discuss the relevance of NDT in foundation assessment and need of the same. They also have highlighted the various defects that can occur during pile construction and installations. The prevalent method of defect identification is also discussed. The shortfalls in these methods are brought out and the method of selection of the NDT for various defects identification is outlined. A case study of how and why NDT failure occurs is also presented. The contract planning required for conducting these tests and the need for a good client – test house dialogue is stressed prior to testing.