

# **ASSESSMENT OF HOUSING STRUCTURES IN WESTERN SUBURBS OF BOMBAY**

## **SYNOPSIS**

Housing industry saw boom in early seventies and consequently today about 25 year from that period the repair industry is on the threshold of a much bigger boom.

Assessment of a housing structure is an essential step to an engineering solution for rehabilitation. The methodology of investigation becomes instrumental in the design of the solution. Crack and delamination survey is one of the methods of investigation.

In depth analysis of all available information, the code of practice prevalent during the period of construction helps to determine the state of the structure. Testing adopted has to be practical and inexpensive as economics is the major constraint for the design and many rehab programmes fail to take off in spite of unsafe structure due to economic reasons.

The paper describes the methodology adopted, and the findings by the authors company in assessment of over 3000 residential units in about 150 buildings and external survey of over 400 buildings.