## RELIABILITY ASSESSMENT OF PRE STRESSED CONCRETE CONTAINMENT STRUCTURES

## SHANMUKHA R. N.<sup>1</sup> AND M. A. CHAKRABARTI<sup>2</sup>

<sup>1</sup>Assistant Professor, Applied science and Humanities, Rajiv Gandhi Institute of Technology, Andheri, Mumbai -53, India. <sup>2</sup>Professor, Structural Engineering Department, V.J.T.I. Matunga, Mumbai, India.

## **Abstract**

In this paper, an attempt has been made to systematically organize the research investigations conducted on Reliability analysis of prestressed concrete nuclear containment structures, so far. Before reviewing the investigations, brief details of the materials used in the construction of prestressed concrete containment structure and the characteristic values used by different researchers are presented. Also the different loads that may act on the structure during life time are presented. The literature is summarised in the form of tabulation. Different modes of failure have been categorized and the probability of failure or target reliability as per the requirement/limit states considered is presented.

<del>------</del>