CERTIFICATE

This is to certify that the thesis entitled Structural Engineering Solutions for Disaster Prevention, Mitigation and Post Disaster Strategies submitted by Mrs. Rajul K. Gajjar represents her original work which was carried out by her at Applied Mechanics Department, Faculty of Technology and Engineering, The M. S. University of Baroda, Vadodara under my guidance and supervision for the award of the Degree of Doctor of Philosophy in Civil Engineering.

The matter presented in this thesis has not been submitted any where else for the award of any other degree.

Vadodara October, 2007 Dr. S. C. Patodi Research Guide Professor of Structural Engg.

Dr. K. R. Biyani Prof. & Head

Applied Mechanics Department

Prof. B. S. Parekh

Dean

Faculty of Technology and Engineering The M. S. University of Baroda Vadodara