

**PI Name:** K.S. Kulkarni

**Project Title:** Structure Safety and Assessment and Suggestions of Rehabilitation Measures For Police Colony Paharganj, New Delhi

**Client:** Commissioner of police Delhi Police Headquarters, MSO Building, IP Estate, New Delhi

**Objective:**

1. Development of drawings:
2. Detailed visual inspection with distress mapping:
3. Determination of possible structural details & strength of materials of structural elements by Semi-destructive and Non-destructive testing
4. Chemical analyses of materials of structural elements:
5. Determination of possible foundation details by carrying out geotechnical investigations to assess adequacy of foundations:
6. Numerical modelling and analyses for assessing safety of building lying in zone IV using probable present strength of material & present loading using Push Over / Response Spectrum / Time History Analyses:
7. Numerical experimentation to find possible structural interventions for rehabilitation to achieve required structural behavior in accordance to prevalent codes of practice:
8. Finalization of rehabilitation measures with step by step implementation procedure:
9. Submission of final report of the project.