

PI Name: Suman Kumar

Project Title: Structural Audit for vertical Extension of Lab Block II (North Wing)

Client: Executive Engineer (C-II) CPWD, 20 Subhash Road Dehradun

Objectives: Detailed Visual inspection.

Review the design of the structural system, structural analysis, and design basis report. (if available).

Review the geotechnical investigation report, foundation design review, and stability check.

Non-destructive evaluation for assessment of current condition using Rebound Hammer and Ultrasonic Pulse Velocity, etc., at selected locations in RCC members, Chemical analysis of samples collected from the site (if needed).

Assessment of the structural stability of the lab blocks based on the above investigation and information. Recommendations on the feasibility of the vertical extension of the structure

Recommendations for suitability of strengthening for the vertical extension, if feasible.