

STRUCTURAL AUDIT FOR VERTICAL EXTENSION OF LAB BLOCK II (NORTH WING) AT NIH ROORKEE (GAP 864)

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Abstract

With reference to the letter received from the Executive Engineer (Civil), regarding the structural audit for the vertical extension of Lab Block II (North Wing) at NIH Roorkee, the following scope of work is envisaged:

S. No.	SCOPE OF WORK
1.	Detailed visual inspection.
2.	Review the design of the structural system, structural analysis, and design basis report. (if available)
3.	Review the geotechnical investigation report, foundation design review, and stability check.
4.	Non-destructive evaluation for assessment of current condition using Rebound Hammer and Ultrasonic Pulse Velocity, etc., at selected locations in RCC members
5.	Chemical analysis of samples collected from the site (if needed)
6.	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
7.	Recommendations for suitability of strengthening for the vertical extension, if feasible.
8.	Report Submission.

Objective: To undertake the structural audit for the vertical extension of lab block ii (north wing) at NIH Roorkee.