

Project PI: Hina Gupta

Project Title: Structural Assessment and Recommendations for Strengthening Measures of Structures at IIRS Dehradun.

Name of Client: Indian Institute of Remote Sensing Indian Space Research Organisation 4-Kalidas Road, Dehradun.

Objectives:

1. Detailed visual inspection of the site
2. Review the design basis report (if available)
3. Review of the soil and geotechnical investigation report, foundation design (if available)
4. Carry out concrete quality assessment using NDT techniques such as Rebound Hammer, UPV Test, at identified locations.
5. Corrosion assessment of RCC elements using Half Cell Potentiometer and Carbonation test.
6. Extraction and Testing of Cores
7. Digging of sample pits for visual verification of the reinforcement condition, if required.
8. Chemical analysis of the concrete samples collected from the selected locations
9. Assessment of structures based on the above investigation and information
10. Recommendations on the repair & strengthening measures
11. Report Submission