

STRUCTURAL AUDIT OF SBI RESIDENTIAL COMPLEX AT 14, KALIDAS ROAD, DEHRADUN (GAP-1033)

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Abstract

CPWD Dehradun approached CSIR-CBRI, Roorkee, for a structural audit of the SBI Residential Complex at 14 Kalidas Road, Dehradun. Following are the main scope of the work for the project. a. Detailed visual inspection of the site. b. Review on the design basis report c. Review of the soil and geotechnical investigation report, foundation design d. Carry out concrete quality assessment using NDT techniques such as Rebound Hammer, UPV Test identified locations, Corrosion assessment of RCC elements using Half Cell Potentiometer and Carbonation test. e. Testing of Cores f. Chemical analysis of the concrete samples collected from the selected locations to check the Chloride, Sulphate content and pH value. g. Review and recommendations on stability of boundary wall (approx. 60m) j. Assessment of the overall structural stability of the building and boundary wall based on the investigation, including the recommendations.