

## **Structural Audit of Overhead Water Tank (GAP-0074)**

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**Period: April 2024 to April 2025**

### **Abstract**

M/s Garrison Engineer, a central government officer in Military Engineer Services approached CSIR-CBRI, Roorkee, for a structural audit of Over Head Water Tank. M/s Garrison Engineer (AF) Military Engineer Services, proposed to carry out the structural audit in five stages, i.e., the first stage includes a detailed visual inspection. The second phase includes the study of drawings supplied by MES (if any). The third stage includes a non-destructive testing for assessment of current condition using Rebound Hammer and Ultrasonic Pulse Velocity etc. at selected locations in RCC members. The fourth stage includes the chemical analysis of material sample collected from site for laboratory investigations. The fifth stage included the suggestions for repair/retrofitting and structural stability. Then finally there is submission of report.

**Objective:** To undertake the Structural Audit of Overhead Water Tank at Ambala Cantt.