

Project PI:	Aswathy. M. S
Project Title:	Geotechnical and Structure Health Assessment and Remedial Measures for Amrapali Enclave, Lucknow,
Name of Client:	Nagendra Kumar Executive Engineer Construction Division Lucknow -11 Uttar Pradesh Housing & Development Board Lucknow
Objectives:	<ol style="list-style-type: none"> 1. Detailed analysis of the previous soil investigation reports and comparing the soil data. 2. Assessment of the long term settlement of the foundation as per relevant Indian Standards with reference to the available drawings and reports. 3. Assessment of concrete quality and its existing strength using non-destructive testing techniques of Rebound Hammer, RH and Ultrasonic Pulse Velocity, UPV, at selected locations. 4. Assessment of corrosion in the RC structural elements using Half-cell potential and Carbonation tests. 5. Chemical analysis of the core concrete samples collected from selected locations. 6. A detailed distress analysis will be performed using the collected data. 7. A comprehensive project report containing the observations, test reports, analysis and appropriate recommendations for repair and protective measures for the exposed reinforcement of partially constructed towers will be submitted.