

Schedule of Rates for Conducting Structural Audit of Buildings at IGIDR Campus

BILL OF QUANTITY

| Sr. No. | Description | Unit | Quantity | Unit Rate INR | Total Amount INR |
|---------|---|---------|----------|------------------|---------------------|
| 1 | Conducting detailed survey of each building by visual inspection covering- a) External faces, common areas e.g. Terrace, staircase, water tanks etc. b) All Apartments / Flats to assess current state of condition, levels of deterioration, stability/durability etc. (Approx. built up area of premises for audit is 2,15,000 Sq. Ft) | Lumpsum | 1.0 | | |
| 2 | Non Destructive Testing | | | | |
| 2a. | Rebound Hammer Test: | | | | |
| | Preparing the surface of RCC structural members such as beams, columns, slabs etc. by chipping the plastered surface/finishing/cladding to expose the concrete, smoothening the area using carborandum stone all in terms of relevant IS code and conducting rebound hammer test all as per IS 13311-1992(Part 2) or as directed by consultant including analysis of the test result & preparation of separate report for each building with observations and recommendations for remedial measures if any. | Per No. | 220.0 | | |
| 2b. | UPV (Ultrasonic Pulse Velocity) Test: | | | | |
| | Preparing the surface of RCC structural members such as beams, columns, slabs etc. by chipping the plastered surface/finishing/cladding to expose the concrete, smoothening the area using carborandum stone all in terms of relevant IS Code and conducting rebound hammer test all as per IS 13311-1992(Part 1) or as directed by consultant including analysis of the test result & preparation of separate report for each building with observations and recommendations for remedial measures if any. | Per No. | 600.0 | | |
| 2c. | Carbonation Depth Test: | | | | |
| | Preparing the surface of RCC structural member such as beams, columns, slabs, water tank walls & slab etc by chipping the plastered surface/finishing/cladding to expose the concrete, cutting etc as per relevant code and conducting carbonation test at various depth as directed By consultant using phenolphthalein of Specified concentration to assess depth of carbonation including analysis of the test result & preparation of separate report for each building with observations and recommendations for remedial measures if any. | Per No. | 200.0 | | |

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| 2d. | Corrosion Test: | | | | |
| | Preparing the structural members as directed to expose the reinforcement steel, cleaning the area with blower/wire brush and carrying out half-cell potentiometer test for measuring the level of corrosion of reinforcement steel in the RCC member including analysis of the test result & preparation of separate report for each building with observations And recommendations for remedial measures if any. | Per No. | 50.0 | | |
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| 2e. | Core Test: | | | | |
| | Deciding the location by using “ Rebar Locator/Cover Meter ” and Preparing the structural members as directed to expose the concrete, cleaning the area with blower /wire brush and taking out the concrete sample with cutter and testing as per standard specification including analysis of the test result & preparation of separate report for each building with observations and recommendations for remedial measures if any. | Per No. | 50.0 | | |
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| 3 | Consultancy charges for preparation of building wise structural audit report which includes a. The findings from detailed visual inspection as in item 1 b. Non-destructive test results c. Suggested remedial measures d. Submission of findings/ recommendation to Institute Charges for preparation of Bill of quantities item wise & detailed specification with cost estimate for each building. All based on the visual inspection, NDT, assessment as per item 1, 2. | Lumpsum | 1.0 | | |
| | | Total Amount INR | | | |
| | | GST @ __ % | | | |
| | | Gross Total Amount INR | | | |

Note:

- 1 All above quoted rates are all inclusive i.e. charges for manpower, testing equipments, transportation, scaffolding/staging, loading, unloading and applicable GST etc.
- 2 All above testing shall be done in NABL accredited Laboratory only.