



**NATIONAL BANK FOR AGRICULTURE AND  
RURAL DEVELOPMENT  
HEAD OFFICE MUMBAI**

**TENDER DOCUMENT  
PRICE BID  
(PART II)**

**Consultancy & Conducting of Structural Audit  
“NON-DESTRUCTIVE TESTING OF OFFICE  
BUILDING, NABARD, HEAD OFFICE, BKC,  
BANDRA ( E) MUMBAI”**

**ISSUED TO**

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**Non- Destructive Testing of Office Building, NABARD, HEAD OFFICE,  
BKC, BANDRA ( E) MUMBAI**

**PRICE BID**

S. No	Description	Quantity	Unit	Rate	Amount
<b>I</b>					
1 (a)	<p>Conducting detailed survey of each wing by visual inspection covering</p> <ul style="list-style-type: none"> <li>ÿ External faces, common areas e.g. Terrace, staircase, water tanks, lift machine rooms, basement ,slabs, beams, columns above false ceiling etc</li> <li>ÿ To assess current state of condition, levels of deterioration, stability/ durability etc of Office Building for all the five wings viz A, B, C, D &amp; E consisting of two basement level basement and eight floors.</li> </ul>	Job	Lump sum		
1(b)	Carefully removing the lamination/ ply wood paneling from the RCC columns, beams and false ceiling wherever necessary or removal of switch boards from the columns for the purpose of conducting below mentioned non-destructive tests and re-fixing the same in position after making good the surfaces including replacement of necessary material if damaged during work and removal.	Job	Lump sum		
2	<b>NDT</b>				
a	<b>Rebound Hammer Test:</b> Preparing the surface of RCC structural members such as beams, columns, slabs, RCC Wall 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) including analysis of the test result & preparation of report with observations and recommendations for remedial measures if any.	650	No		

b	<p><b>UPV (Ultrasonic Pulse Velocity)</b>  <b>Test:</b> Preparing the surface of RCC structural members such as beams, columns, slabs, RCC Wall 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) including analysis of the test result &amp; preparation of report with observations and recommendations for remedial measures if any.</p>	650	No		
c	<p><b>Carbonation Depth Test:</b> Preparing the surface of RCC structural member such as beams, columns, slabs, water tank walls &amp; 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 using phenolphthalein of specified concentration to assess depth of carbonation including analysis of the test result &amp; preparation report with observations and recommendations for remedial measures if any.</p>	150	No		
d	<p><b>Half Cell Potential Test for Corrosion mapping:</b> 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 &amp; preparation of recommendations for remedial measures if any.</p>	150	No		
e	<p><b>Core Test:</b> 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 &amp; preparation of report with observations and recommendations for remedial measures if any.</p>	130	No		

3	Consultancy charges for preparation of comprehensive 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 all based on the visual inspection, NDT, assessment as per item 1 and 2	1	Lump sum		
4	Preparing the bill of quantities (BOQ) and the tender document for the proposed structural rehabilitation works, if any, to be taken up based on the outcome of the aforesaid testing.	1	Lump sum		
	<b>Grand total in Rs</b>				
	<b>Total in words</b>				

1. Marking on each structural member by the way of numbering should be made by the consultants while execution each test so as to supervise and count the number of each type of test executed by the consultants
2. Quoted rates should be inclusive of all other taxes except GST. GST WILL BE PAID TO AGENCY AT APPLICABLE RATES BY NABARD

Name of the person authorized to sign and submit the Tender

**Date**

Yours faithfully

**Place**

**Signature**

**Seal**