

**Tender for
Consultancy and Conducting of Structural Audit,
Non- Destructive Test at
NABARD Staff Quarters, Jaipur**



**राष्ट्रीय कृषि एवं ग्रामीण विकास बैंक,
राजस्थान क्षेत्रीय कार्यालय,
जयपुर**

**PART II (FINANCIAL BID)
TO BE SUBMITTED IN SEPARATE SEALED COVER**

Date of issue of tender document	25 October 2017
Pre Bid Meeting with bidders	15:00 hrs. on 03 November 2017
Due date and time for submission of tender	15:00 hrs. on 20 November 2017
Date and time of opening technical bids	15:30 hrs. on 21 November

Note: Any PQ bid with incomplete information will be rejected

Signature of the Consultant

**NATIONAL BANK FOR AGRICULTURE AND RURAL DEVELOPMENT,
RAJASTHAN REGIONAL OFFICE, JAIPUR**

Name of work :- Consultancy and conducting of Structural Audit, NDT of NABARD Staff Quarters Building at Jaipur

LOCATION OF WORK :- NABARD STAFF QUARTERS, MALVIAYA NAGAR JAIPUR

Sr. No.	Description	Quantity	Rate in Rs.	unit	Amount in Rs.
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.	Lump Sum for 14 buildings		LS	
2.	a. 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, smoothing 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.	700		Per No.	
	b. 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, smoothing the area using carborandum stone all in terms of relevant IS code and conducting UPV	560		Per No.	

	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.				
c.	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.	252		Per No.	
d.	Half Cell Potential Test for Corrosion mapping. 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.	252		Per No.	
e.	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	56		Per No.	

	<p>/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.</p>				
3.	<p>Consultancy charges for preparation of building wise structural audit report which includes</p> <ol style="list-style-type: none"> The findings from detailed visual inspection as in item 1 Non-destructive test results Suggested remedial measures Submission of findings/recommendation to concerned government agencies <p>Charges for preparation of Bill of quantities item wise & detailed specification with cost estimate for each building.</p> <p>All based on the visual inspection, NDT, assessment as per item 1, 2.</p>	<p>Lump Sum for 14 buildings</p>		LS	
4.	<p>Charges for full time supervision by Civil engineer(Diploma Holder) having experience at least 03 years in the field is required during the execution of the repair works at office building based on the structural audit report/detailed BOQ vide item 3. The supervision charges should be quoted for the period of 06 months tentatively for calculation of lowest bidder (L1), However, the payment will be made on actual basis and the maximum period is six months.</p> <p>The repairs will be taken up as per the procedure laid down by NABARD.</p>	<p>06 months</p>		Per month	

5	To carry out site visits during repair work, supervision and measurement of works, quality checking, and final site visit after completion of repair works and issue a structural fitness certificate, to obtain a certificate from the municipal authorities indicating that the buildings are in safe and habitable condition.	Lump Sum		LS	
	Total Amount in Rs.				

Total Amount (in figures)	Rs...../-
Total Amount (in Words)	Rupees.....Only.

Note: The patch plastering/related repair work except for painting, will have to be done by the individual firm at their cost after conducting various test, if any.

DATE:
PLACE:

Signature of Consultant with seal