



**NATIONAL BANK FOR AGRICULTURE AND
RURAL DEVELOPMENT**

ODISHA REGIONAL OFFICE

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

**SELECTION OF STRUCTURAL CONSULTANT FOR
NON- DESTRUCTIVE TESTING OF OFFICE BUILDING,
NABARD OFFICERS QUARTERS & STAFF QUARTERS,
BHUBANESWAR**

ISSUED TO

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**Selection of Structural Consultant for Non- Destructive Testing
Of Office Building, NABARD Officers Quarters & Staff
Quarters, Bhubaneswar.**

PRICE BID

S.No	Description	Quantity	Unit	Rate	Amount
1	<p>Conducting detailed survey of each building by visual inspection covering</p> <p>• External faces, common areas e.g. Terrace, staircase, water tanks, lift machine rooms, basement etc.</p> <p>• All Apartments/ Flats to assess current state of condition, levels of deterioration , stability / durability etc.</p>	1	Lump sum		
2	NDT				
a	<p>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.</p>	500	No		
b	<p>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 rebound hammer test</p>	500	No		

	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.	50	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.	50	No		
e	Core Test: 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	40	No		

	the test result & preparation of separate report for each building with observations and recommendations for remedial measures if any.				
f	Chemical Test for Chloride (Cl) and pH value	40	No		
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 all based on the visual inspection, NDT, assessment as per item 1 and 2	1	Lump sum		
4	Preparing the bill of quantity and the tender document for the proposed structural rehabilitation works to be taken up based on the outcome of the aforesaid testing.	1	Lump sum		
5	Examination and assessment of condition of existing bricks in superstructure and foundation including assessing the condition of existing plaster, brick joints, damp proof course in ground floors and providing suitable feedback and remedies in the report.	For all the 12 buildings	Lump Sum		
6	Assessments of condition of RCC overhead tanks, columns, beams, lintels, slabs, sunshades, parapets, chajjas etc offering special comments on the condition of these tanks. A detailed report is required to be furnished with solutions if any.	For all the 12 buildings	Lump Sum		
Total					

NOTE:

- 1) The consultants in their own interest are advised to make a survey all the buildings, have a visual inspection of the masonry walls, various structural members including overhead tanks etc of all buildings before quoting the rates.**
- 2) Rated quoted should be inclusive of all taxes, duties etc. Only service tax at prevailing rates shall be paid extra on applicable rates.**
- 3) Please furnish a copy of PAN Card, AADHAR Card, Bank account details like Cancelled cheque (including Account number, IFS code, account type etc.)**

Grand Total Amount in words:.....

Name of the person authorized to sign and submit the Tender

Date:

Yours faithfully,

Place:

Email Id:

Phone no:

Signature:

Seal: