



**NATIONAL BANK FOR AGRICULTURE AND RURAL
DEVELOPMENT**

NABARD REGIONAL OFFICE, KARNATAKA

PART 2-PRICE BID

**STRUCTURAL AUDIT OF RESIDENTIAL BUILDINGS
MF 27 & MF 28 BLOCKS AT NANDINI LAYOUT AND
B-WING AT RAHEJA PARK OF NABARD AT
BENGALURU**

**Last Date for Submission of Tender: 14.30 hrs, 28 June
2024**

The Tender Document can be downloaded from NABARD's website
<http://www.nabard.org> and CPP Portal

S.No	Description	Quantity	Unit	Rate	Amount
I	PART A				
1(a)	<p>Conducting detailed survey of each building by visual inspection covering</p> <ul style="list-style-type: none"> External faces, common areas e.g. Terrace, staircase, water tanks, lift machine rooms, stilt parking, duct areas etc. To assess current state of condition, levels of deterioration, stability/durability etc of each of the Buildings i.e. B block at Raheja Park and MF 27 & MF28 at Plot No.1 Nandini Layout. To assess the common areas and flats in the buildings for seepage of water during rains. 	Job	Lump Sum		
1(b)	Carefully removing the tiles etc from the structural members wherever necessary for the purpose of conducting non-destructive tests and making good the surfaces including touch up painting of the areas for each of the Buildings i.e. B block at Raheja Park and MF 27 & MF28 at Plot No.1, Nandini Layout.	Job	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 carborundum 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>	170	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</p>	170	No		

	surface/finishing/cladding to expose the concrete, smoothening the area using carborundum 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.				
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.	75	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.	75	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 the test result & preparation of separate report for each building with observations and recommendations for remedial measures if any.	60	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	1	Lump sum		

	c. Suggested remedial measures all based on the visual inspection, NDT, assessment as per item 1 and 2				
4	Preparing the detailed estimate and Bill of Quantities (BOQ) based on CPWD specifications/DSR rates and market rates supported with rate analysis for the below mentioned works: a. Structural repair/rehabilitation works based on the outcome of the structural audit report. b. Waterproofing works of terrace and external walls to arrest seepage issues in flats during rains. c. Merging works of 40 flats in Raheja Park Apartments into 20 flats by demolition of common wall and merging of living rooms of adjacent flats.	1	Lump sum		
	GRAND TOTAL PART A IN RUPEES TOTAL IN WORDS				
II	PART B				
1	Charges for intermittent site visits during the execution of the repair works at each location based on the structural audit report/detailed BOQ vide item 3 & 4. The repairs will be taken up by NABARD as per their procedure	20	Visits		
2	To carry out conditional assessment after the completion of repair works, issue of satisfactory work completion certificate/structural fitness certificate of the buildings.	1	Lump sum		
	GRAND TOTAL FOR PART "B" IN RUPEES TOTAL IN WORDS				
	GRAND TOTAL - PART A + PART B				

Note:

- i. Consultancy Fees to be quoted inclusive of all expenditure related to consultancy assignment as per scope of work and tender conditions including all taxes except GST. GST shall be paid extra as applicable.
- ii. The L1 consultant shall be finalised based on the Grand total amount – Part A + Part B.

Place:

Name, Address and Seal of the Consultant

Date: