Tender for Selection of Structural Consultant for the Preparation of As-Built CAD Drawing and Structural Audit(NDT) of NABARD Regional Office Building at Punnen Road, Statue, Thiruvananthapuram, Kerala

NABARD

PART- II

PRICE BID

NATIONAL BANK FOR AGRICULTURE AND RURAL DEVELOPMENT (NABARD), KERALA REGIONAL OFFICE, PUNNEN ROAD, THIRUVANANTHAPURAM, KERALA – 695001

SCHEDULE OF QUANTITIES

(Rate to be quoted in this sheet only)

This is an item rate tender. The Amount quoted shall be firm and shall include all costs, allowances, Transportation, taxes, levies, Works Contract tax and excluding GST (Which should be quoted separately). The rates quoted for each and every item should be self-sustaining and reasonable.

PART A: Preparation of As-Built CAD Drawing

Sr No	Particulars	Built-up Area (sq.ft)	Rate/Sq.ft (Rs.)	Total(Rs.)
1	**A) Architectural Drawing** • Architectural plan for each floor including mezzanine floor G+7, basements, parking structures. • Elevation of the office building from all four sides. • **20 Sectional views** (Top view, left and right views) that covers every stair, hollow spaces, lift shaft, air shaft, electrical, HVAC ducts, overhangs more than one meter should include separate section views fully detailed in conjunctions with the structural drawings. • CAD drawing of the structural glass work in the building derived from the site detail and the physical drawing available **B) Structural Drawing:** Prepare detailed structural drawing of the entire office building from available physical drawing or scanned photocopy available. **25 Sectional views** of the building comprising of the top, right, left, foundation detailing, structural members like column, beam, slab, glass etc Necessary changes required shall be revised according to the As-built drawing.	97000		
	Total of Part A			

PART B: Conduct of Structural Audit of NABARD Regional Office

S.No	Description	Quantity	Unit	Rate	Amount
1	Conducting detailed survey of office building by **visual inspection** covering External faces, common areas e.g. Terrace, staircase, water tanks, lift machine rooms, basement etc. All floors of the building to assess current state of condition, levels of deterioration , stability / durability etc.	1	Lump sum		
2	**NDT**				
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, 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.	50	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, 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.	50	No		
c	**Carbonation Depth Test:**	15	No		

	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.				
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.	15	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.	10	No		
f	Chemical Test for Chloride (CI) and pH value	10	No		
3	**Consultancy charges for preparation of structural audit report** which includes a. The findings from detailed visual inspection as in item 1	1	Lump sum		

	b. Non-destructive test results c. Suggested remedial measures all based on the visual inspection, NDT, assessment as per item 1 and 2				
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	**Charges for intermittent site visits** during the execution of the repair works at RO building based on the structural audit report/detailed BOQ vide item 3 & 4. The repairs will be taken up by NABARD as per their procedure.	5	visits		
6	To carry out final assessment after the completion of repair works and issue a structural fitness certificate.	1	Lump sum		
	Total of PART B				
	Total of PART A +B=C				
	GST .....%				
	Total C+GST				

Grand Total Amount without GST (In Words)……..
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Grand Total Amount with GST (In Words)……
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Note:

1. The tenderers should visit work site and assess site conditions and scope of work before quoting the rates.

2. Rates are to be quoted inclusive of all prevailing taxes like GST, etc as per scope of the work and after visiting the site.

4. The contractor shall include all prevailing taxes like GST etc. in the quoted rates as stated in the Clause of General Instruction of the Technical bid.

6. The contractor has to quote for all the items of the tender. Incomplete tenders and tenders without EMD will be rejected.

Accepted all terms & conditions of technical & price/financial bid

Place:
Date :
Address of the contractor:

Name & Seal:

(Signature of the Tenderer)