

TENDER FOR CONDUCTING STRUCTURAL AUDIT OF SBI BRANCH/ OFFICE BUILDINGS UNDER NASHIK ADMINISTRATIVE OFFICE

PRICE BID FOR BRANCH/ OFFICE : CIDCO BRANCH, NASHIK

SNO	DISCRIPTION	QTY.	UNIT	RATE	AMOUNT
	NOTE:				
NOTE:	THE CONSULTANT SHOULD QUOTE REQUIRED QUANTITY AND REASONABLE RATE FOR EACH ITEM OF THE TEST TO BE CONDUCTED FOR ARRIVING THE TOTAL TENDER AMOUNT OF THE STRUCTURAL AUDIT. L1 WILL BE DECIDED ON THE BASIS OF OVERALL LOWEST QUOTE QUOTED BY THE BIDDER. STRUCUTRAL CONSULTANT HAS BEEN ADVISED TO VISIT THE SITE BEFORE QUOTING THE RATES AND UNDERSTAND THE BUILDING CONDITION.				
1	VISUAL ASSESSMENT OF THE STRUCTURE & TAPPING TEST FOR THE STRUCTURAL MEMBER				
	Carrying out visual inspection (External & Internal) of all visible structural parts (Column, Beam & Slab), external facades & chajjas of the building, record observations for structural distresses in the structural components like deflections in RCC members like column, beams, slabs, cracks in the structural members & also for items of maintenance like leakages / seepage terrace water proofing etc. & suggest remedial measures to be taken for improving the durability of the structure as whole to enhance its future life. Tapping test to assess the soundness of structural members which indicates internal defects, as opposed to a solid, high pitched sound from good concrete. (Building details : Approximate built up area 13,690.00 Sq.Mts) (Approximate area mentioned in the document, bidder need to visit the site and cross check the area and quote the rate accordingly for the entire building)	1	JOB		
	Final Amount in word:				
2	REBOUND HAMMER TEST				
	Rebound Hammer Test for determining the estimated compressive strength of concrete & uniformity of concrete in terms of surface hardness as per IS 13331(Part-1):1992, also estimated correlation chart between rebound hammer & other confirmatory test for estimated in-situ strength of concrete.		nos		
	Mentioned locations				
	Final Amount in word:				
3	ULTRASONIC PULSE VELOCITY TEST				
	Ultrasonic Pulse Velocity Test: For ascertaining the quality like soundness of concrete as well as uniformity of concrete in terms of density, cracks depth & width - causal analysis of crack propagation as per IS 13331(Part-1)		nos		
	Mentioned locations				
	Final Amount in word:				

4	CARBONATION TEST (AS PER BS EN 14630:2006)				
	Measurement of Carbonation depth by Phenolphthalein Chemical at selected locations on RCC members of the structure covered under the study to see the depth of the carbonation as per BS EN 14630:2006, ratio of carbonation depth to be cover depth is also measured to check the intensity of carbonation attack on steel bars.		nos		
	Mentioned locations				
	Final Amount in word:				
5	HALF CELL POTENTIAL TEST FOR CORROSION MAPPING (AS PER ASTM C876)				
	Measuring the Half Cell Potential readings with wheel electrode at the nodes of pre-marked grip points on concrete surface in a suitable grip for determining the probability of corrosion activity of embedded steel reinforcement half cell electrode in accordance with ASTM C876-1980.		nos		
	Mentioned locations				
	Final Amount in word:				
6	SURFACE PREPARATION FOR NDT (REMOVING OF PLASTER & REPLASTERING WITH CEMENTITIOUS PUTTY /POP AFTER NON DESTRUCTIVE TESTS).				
	Removing or chipping of plaster cover of structural members (Column, Beam & Slab), Replastering the surface with cementitious putty / Pop after conducting NDT (Non Destructive Tests).		nos		
	Mentioned locations				
	Final Amount in word:				
7	CORE CUTTING AND COMPRESSIVE STRENGTH (AS PER IS 456:2000 ; IS 1199:2002; IS 516 : 1959)				
	Extracting the concrete core samples of 75mm dia at select locations from RCC members of the structure covered under the study & evaluating the properties Fck values: grade of concrete in the laboratory from the core samples at selected as per IS 456:200 : IS 516: 1959; IS 1199:2002; without encountering any steel reinforcement from the RCC members at specified locations by site in-charge with portable power driven diamond core cutting equipment.		nos		
	Mentioned locations				
	Final Amount in word:				

8	ANY OTHER TEST (IF Required Please specify)				
	Final Amount in word:				
9	PREPARATION OF STRUCTURAL AUDIT REPORT				
	Preparation of Audit Report which includes: A) The findings from detailed Visual inspection in the form of Observations, Photographic records & defined Critical areas B) Non Destructive Test results & their interpretation to assess current state of condition & levels of deterioration. C) Suggested economically viable remedial measures to restore structural stability & increase durability / residual life of building etc.		job		
	Final Amount in word:				
10	ARCHITECT'S FEES IN LUMP SUM RUPEES FOR MONITORING THE STRUCTURAL AUDIT WORK AND SUBMISSION OF REPORT TO THE BANK	1	LS		
	Final Amount in word:				
	TOTAL TENDER AMOUNT EXCLUDING GST			Rs.	
	[GST as applicable will be paid extra]				

Remark :

- Duration of work : Within 7 days from the issue of work order
- Audit Report submission : 20 days after issue of work order
- IMPORTANT : Please note rates shall be quoted including consideration of necessary repair works such as paneling, partition opening, cutout opening etc as applicable during structural examination / testing works. Also, necessary repair works costing shall be considered while quoting the rates i.e. refinishing of original surfaces after completion of structural examination such as core cut filling, plastering, repairing of paneling, partition etc complete as applicable as per original condition.
- If there is difference in numerical figures and amount in words in such case amount in words will be considered for evaluation matrix.

SIGNATURE AND STAMP OF THE ARCHITECT

SIGNATURE AND STAMP OF THE CONSULTANT