



केन्द्रीय प्रदूषण नियंत्रण बोर्ड  
CENTRAL POLLUTION CONTROL BOARD  
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय भारत सरकार  
MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE GOVT. OF INDIA  
Dated: 09.04.2021

F. No. 4-1(9)/Bldg./Civil/2021

To,

As per list enclosed

**Sub.:** Invitation of sealed quotation for "Structural Audit of Parivesh Bhawan building as per the order of Hon'ble High Court of Delhi"

Sir,  
Sealed quotations are invited on the behalf of Central Pollution Control Board from the structural engineers empaneled with Municipal Corporation of Delhi, IIT Delhi, Delhi College of Engineering and other premier institute working in the same field and authorized to provide structural stability certificate for the following work: -

**Scope of work: -**

S.N.	Description of items	Unit	Qty.	Rate (Rs.)	Amount (Rs.)
1.	<b>Visual Survey:</b> Visual inspection for surface damages, cracks, flaking, coloration, local weaknesses, etc. and their damage classification. Simple tools and instruments like camera with flash light, magnifying glass, binoculars, and gauge for crack width measurement, chisel and hammer, etc. shall be used for measuring the distresses. The visual inspection shall largely cover areas of high distress, cracks and their location, moisture, leakage, abnormal variations in structure, algae and fungus growth, efflorescence, etc. Visual inspection would be documented in the form of worksheets, photographic records, and distress over drawings etc.	Each	01		
2.	<b>Rebound Hammer Test:</b> For determining the estimated compressive strength of concrete and uniformity of concrete in terms of surface hardness as per IS 13311 (Part-2)-1992, ASTM C 805-02, BS 6089:1981 and BS 1881: Part 202, BSEN:13791, also establishing correlation chart between rebound hammer and other confirmatory test for estimated in-situ strength of concrete if required.	Each	80		
3.	<b>Ultrasonic Pulse Velocity Test:</b> for ascertaining the quality of concrete, soundness and density of concrete, uniformity of concrete in terms of density as per IS 13311 (Part-1)-1992, ASTM: C597-83, BS 6089: 1981 and BS 1881: Part 203 and BSEN:13791.	Each	20		
4.	<b>Core Test:</b> Extracting the concrete core samples at select locations from RCC members of the structures covered under the study and evaluating the properties feck value, grade of concrete in the laboratory from the core samples selected. IS 456:2000; IS516:1959, IS 1199:2002; ASTM C-42, without encountering any steel reinforcement from the RCC members at specified locations by site in-charge with portable power driven core cutting equipment.	Each	03		
5.	<b>PH Value Test:</b> Measurement of PH Value by phenolphthalein spray test at selected locations on RCC members of the structures covered under the study as per BS EN 14630:2006, BS EN 13295:2004.	Each	10		

'परिवेश भवन' पूर्वी अर्जुन नगर, दिल्ली-110032  
Parivesh Bhawan, East Arjun Nagar, Delhi-110032  
दूरभाष/Tel : 43102030, 22305792, वेबसाईट/Website : www.cpcb.nic.in

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6.	<b>Report, Interpretation and Recommendation:</b> Preparing and submitting comprehensive report consisting of findings from visual inspection, test data, interpretation of results, conclusions and final recommendations along with sketch indicating the location of the test.	Each	01		
7.	<b>Structural Stability Analysis by Model Analysis/STAAD Analysis:</b> - To check the vulnerability analysis, structural deficiencies and structural stability analysis of overall structure, computer model of existing structure will be analysed as per present loading criteria; In the structural analysis of existing structure, we will use the results of NDT of the materials/available properties of existing materials	Each	01		
8.	<b>Repair/Retrofitting Methodology to upgrade the building as per latest code:</b> Repairing Methodology and retrofitting scheme for structural serviceability and safety, periodic maintenance scheme, futuristic protection of structure. The recommendation for structural repair and rehabilitation to the structures shall have detailed technical specifications, materials to be used and design details, vulnerability indices and order of urgency to repair.	Each	01		
9.	Issue of Structural Stability Certificate from MCD Empanelled Structural Engineer.	Each	01		
	Total				
	GST				
	Grand Total				

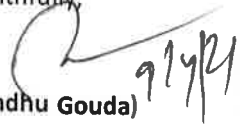
**Terms & Conditions: -**

1. Sealed quotations should be submitted in the tender box kept at reception (Ground floor) of Parivesh Bhawan, CPCB on or before 28.04.2021 by 3.00 p.m.
2. The bidders have to submit valid copy of PAN Card, GST registration and copy of list of empanelment in MCD alongwith the bid. However, premier engineering institute has to submit valid copy of PAN Card and GST registration.
3. The no. of test mentioned above are minimum test required to access the structural stability of the building. If any firm wish to conduct more no. of test, the firm will be permitted to do so, however, the work will be awarded to the lowest quotee.
4. After completion of testing, if any remedial measure is required to ensure the structural stability of the building, the bidder has to suggest the same to CPCB for further action.
5. The bidder is requested to visit the building before submitting the offer.
6. The work should be completed within 01 month from the issue of work order without alteration/tampering the existing strength and design of structure.
7. Provisioning for Scaffolding, ladder, boomer lift or equivalent approaching system at required locations (more than 3 Mtr heights) shall be arranged by the Agency without compromising the safety norms.
8. Final report shall be prepared following the standards such as IS, ASTM, BIS and National Building code and other specific standards are to be followed as per NDMC's/Local Municipal Authority's requirement. Submitted Report must be acceptable to all concerned authorities
9. Income Tax shall be deducted at source.
10. It may be noted that mere quoting the lowest rates will not entitle any firm to get the work order.
11. The Chairman, Central Pollution Control Board reserves the right to cancel any or all the quotations without assigning any reasons thereof.



12. The quotations shall be valid for 30 days from the date of their opening.
13. The work shall be carried out strictly according to CPWD specifications for civil works.
14. The GST Registration no. of Central Pollution Control Board is 07AAALC0228L2ZD.
15. The terms & conditions and taxes etc. should be clearly mentioned in the quotation.
16. The over writing and corrections, if any should be counter signed.
17. Please note that CPCB Central Laboratory is maintaining OH&SMS (IS 18001:2007/2012), the personal deputed for work shall abide the required guidelines of safety while working in CPCB.
18. In the event of any dispute, the decision of the Chairman, Central Board shall be final and binding on both the parties.
19. Typographical & clerical errors are subject to correction.

Yours Faithfully,

  
(Dinabandhu Gouda)

Divisional Head, Building

Copy to: I/c, F&A, CPCB