

TENDER DOCUMENTS

FOR

Waterproofing treatment of Nano-tech building
Terrace, Jamia Hamdard.

JAMIA HAMDARD

HAMDARD NAGHAR NEW DELHI-62

JAMIA HAMDARD
HAMDARD NAGAR, NEW DELHI-110062
NOTICE INVITING TENDER

Date: 19/02/2024

Ref. No: JH/Civil.Engg/Nano//waterproofing/24/04

Jamia Hamdard, New Delhi invites sealed item rates quotation in Single bid system from reputed contractors registered with Govt./Semi Govt./State Govt. organization or worked/working in Jamia Hamdard for the below mentioned work. Tender documents are attached herewith. Last date of submission is **01/03/2024** up to 3:00 PM. The bidders are also advised to visit the site to satisfy themselves before submitting the Quotation. Bidders not fulfilling the Eligibility Criteria will be rejected. Eligibility Criteria is mentioned at Tender.

NAME OF WORK:	Waterproofing treatment of Nano-tech Building terrace, Jamia Hamdard.
ESTIMATED COST:	Rs. 4,46,000.00 Inc. of GST
EARNEST MONEY:	Rs 9,000.00
TENDER COST:	Rs. 500.00 only (Non -Refundable)
TIME PERIOD:	30 days.

The Quotation duly filled should be dropped in the Tender Box kept in Purchase Section, Admin Block on or before **01/03/2024** up to 3.00 PM along with demand draft of Tender fee & Earnest Money in sealed envelope clearly specifying the name of work. The D.Ds shall be in favour of “Jamia Hamdard” payable at New Delhi. The Quotations shall be opened on same day i.e. **01/03/2024** at 3.30 PM by the Quotation opening committee in the presence of available interested parties in the Office of the Executive Engineer. In case the required procedure is not followed, the Quotation can be rejected. Jamia Hamdard reserves the right to reject any or all Quotation without assigning any reason whatsoever.

Registrar

(1) **SCOPE OF WORK**

- Waterproofing treatment of terrace, as per BOQ.
- Repairing of cracks with correcting the slope of terrace, as per BOQ.

(2) **ELIGIBILITY CRITERIA**

- Bidders must have Registered contractor at Govt./ Semi Govt. /State Govt./Departments/Educational institutes or Working/worked Agencies at Jamia Hamdard/worked with Govt./Semi Govt/State Govt departments/Higher Educational Institution. Bidders have to submit the related copies of the documents and other registration certificates, Work orders and completion certificates. The original will have to be produced when asked for verification.
- Contractors should have executed similar nature of works of at least one contract of Rs. 3.57 Lacs (80% value of estimated cost of works) or two contracts of similar nature of works of Rs. 2.7 Lacs (60% value of estimated cost of works) or three contacts of similar natures of works of Rs. 1.8 Lacs (40% value of estimated cost of works) in the last 3 years in any institutional Buildings, Universities/departments and produce credentials in support thereof. The bidders have to submit the copies of work completion certificates, related work orders along with their BOQs
- Average annual financial turn over on said work should be at least Rs. 5 Lakhs each during the immediate last 3 consecutive financial year with certification from practicing Chartered Accountant
- The Bidders must have current PAN, GST Registration Certificates.

Note: - Quotation shall also be liable for rejection on any of the following grounds:

- a. Quotation submitted late.
- b. Quotation containing remarks uncalled for.
- c. Conditional Quotations.
- d. Quotation not submitted on prescribed Performa.
- e. Telegraphic Quotations.
- f. Quotation submitted without EMD and Cost Quotation document (Quotation fee).

(3) **SUBMISSION OF BIDS**

Quotation should be submitted in sealed envelopes super-scribing NIQ No. & name of work, due date for opening, bidder's name & address. The Quotations duly filled should be dropped in the Tender box kept in the Purchase Section. It should not be handed over to any employee of the Jamia Hamdard. No Quotation shall be accepted later than the time schedule specified in the NIQ. Any clarifications/amendments/corrigenda etc., to NIQ before last date of submission of bid will only be available on our website:www.jamiahamdard.edu. Therefore,

bidders are advised to keep visiting our web site. In this bid, the bidder shall submit the following:

- a. Covering letter on Company's Letterhead
- b. Quotation fee (Non-refundable)
- c. Earnest Money Deposit (to be deposit by every bidder without any exemption).
- d. Copies of PAN, GST and necessary registration Certificate.
- e. Entire NIQ duly signed & stamped by the bidder.
- f. BOQ is cited on **Annexure "X"**
- g. Copies of work order for similar nature of works as per eligibility criteria mention above.
- h. Entire NIQ and documents duly signed & stamped by bidder of his authorized representative/person.**
- i. Bidders are required to quote his item rates in the attached BOQ (Annexure 'X') in accordance with the scope of works, terms & conditions & technical specifications enclosed. The rates/price quoted by contractor should be all inclusive i.e. GST & include (all material cost, labour, services, plant/machinery/tools & tackles, ladders & scaffolding required for work, freight, Insurance, Octroi, Govt. duties & levies, Sales Tax transport/cartage of materials/labour and all other expenses not specifically mentioned but reasonably implied. Nothing over and above these rates shall be payable to contractor. Further nothing extra in rates will be considered for any variations in Quotation quantities or due to any site difficulties. It is mandatory for bidder to quote all items rate as asked for in the BOQ/ PRICE schedule. Failure in not filling some item rates will lead to rejection of Quotation. The bidders should quote unconditional rates, neatly written without any overwriting and all pages should be duly signed & stamped

4. GENERAL TERMS & CONDITIONS

- I. **Earnest Money:** An earnest money of **Rs.9,000.00** has to be enclosed along with the Bid. The EMD shall only be in the form of Bank Draft in favour of "Jamia Hamdard" payable "New Delhi". No Cheques/Cash shall be accepted as EMD. The refund of EMD to the unsuccessful bidder shall be made within 15 days from the date of issue of work order to the successful bidder. The EMD of the successful lowest bidder (L1) shall be held back and will be released after completion of the works and site clearance.
- II. **Validity of Tender:** Tender shall be valid for our acceptance without any change in rates and NIT conditions for a period of 90 days from the date of opening of price bid.
- III. **Escalation:** No escalation over and above items rates quoted by the bidder shall be paid during the execution of contract.
- IV. **Completion time:** The time shall be the essence of this contract and entire work as titled above is to be completed in all respects within a period of two 30 Days from the date of issue of handing over the site. Any delay in completing the work for reasons attributable to the Contractor is liable for liquidated damages as NIT. The contractor shall not be entitling to any compensation for any loss suffered by hindrance on account of delay in commencing or executing the work, whatever the cause for such delays may be including delays in procuring Government controlled or other materials. Under the force-majeure

conditions or delay due to reasons beyond control of the contractor, Jamia Hamdard may grant suitable time extension without penalty for which the contractor has to request along with the justification/ reasons well in advance to Jamia Hamdard for approval without any prejudice to price escalation. No time extension request shall be considered after the expiry of completion period/contract. The decision of Executive Engineer (E & M) regarding Time extension will be final and binding on the contractor.

- V. The rates shall be inclusive of all taxes (Service Tax, GST etc.) duties and cartage etc. Jamia Hamdard welfare Relief Fund will be deducted @ 0.25% of the amount of total bill claimed.
- VI. **Deviations:** No deviation from the stipulated terms and conditions will be allowed. Tender will be unconditional.
- VII. **Site Conditions:** Contractor shall acquaint himself fully with the site conditions and the working environment of Jamia Hamdard before quoting his rates. No Compensation on account of any site difficulties will be entertained, at a later date, after award of the work. Site will be handed over as it is where it is and nothing extra shall be paid for clearing and disposal of Rubbish & Malba.
- VIII. Before tendering, the Contractor shall visit and examine the site and satisfy himself as to the site conditions, the correct dimensions of the work and facilities. The rates of different items are for all heights, depth, curvature and width unless otherwise specified against the item. In case of any doubt, may be clarified from the office of the Assistant Engineer (Civil).
- IX. Bar Chart: The detailed schedule of programme in the form of BAR CHART for the awarded work shall be drawn and submitted by the contractor within 05 days of the acceptance of tender. The work shall be executed and completed in order and according to the schedule after approval of the same by Jamia Hamdard. For this a Bar Chart showing the programme and progress achieved will be submitted every fifteen days on the date fixed by Jamia Hamdard.
- X. **Water & Electricity :**
- Electricity:** Temporary Electric Connection if required will be supplied by the Jamia Hamdard. The necessary cabling and metering etc. will be done by the contractor at his own cost. He shall be pay for the consumption at the prevailing rates of charges as per bills of Jamia Hamdard.
- Water:** Contractor to make their own arrangement of potable water for execution of work and drinking of labours by or arrange from outside at their own cost. The Contractor will ensure by Laboratory test that water is fit for construction and drinking purpose, if required.
- XI. **Correspondence:** All the correspondence in respect of tender/award of work shall be made to Executive Engineer (E & M).
- XII. The Contractor shall not be allowed to possess any space or rooms inside the building.

- XIII. No work shall be done at night (8 PM to 9 AM) or as decided mutually and on National Holidays without the instruction in written of Jamia Hamdard.
- XIV. **Terms of Payment:** The payment shall be made on submission of the bills in proper format by the contractor after due certification by the engineer responsible for supervision of the work. Contractor can submit one interim or running bill and one final bill after completion of work for claiming payment based on actual quantities of items of work executed as per BOQ and Engineer's instructions. 05% deductions will be made towards the security deposit from each running bill. The security deposit shall only be refunded as per the tender clause.
- XV. **Labour Laws:** The contractor will abide by all the rules and regulations related to labour laws, accident, workmen compensation act, workmen insurance etc. This will be the sole responsibility of the contractor. Jamia Hamdard will not be a party at any stage in any of the disputes relating to the above. In case, Jamia Hamdard has to bear any expenditure due to non-conformance of the above provisions by the contractor, the same will be recovered from contractor's bills.
- XVI. **Work not to be sublet:** If the Contractor shall assign or sublet this contractor, or attempt so to do, or become insolvent or commence any insolvency proceeding of, if any bribe, gift, loan, given promised or offered by the Contractor to any person in the employ of Employer, then Jami Hamdard shall have power to termination of contract.
- XVII. Rules governing the Contractor's employees working in the Jamia Hamdard Premises: The contractor's employees working inside the Jamia Hamdard campus will abide by the Centre's rules & regulations for works inside the campus. Any damage to the Jamia Hamdard property due to mishandling, carelessness on the contractor's or his workmen's part will be recoverable from the contractor's bills.
- XVIII. **Liquidated damages:** In case the work is delayed beyond the specified completion period for reasons attributable to the contractor, deductions on account of Liquidated damages @0.5% of the contract value per week will be deducted subject to a maximum of 5% of the contract value. However, during the delayed period, Jamia Hamdard also reserves the right to get some portion of work done by any other contractor at the risk and cost of the existing contractor and amount to that effect along with 10% overhead charges will be deductible from his bills/dues.
- XIX. **Extra or substituted item:** If any extra or substituted item appears in the work, contractor shall submit its rate analysis supported with documents which shall be approved by Engineering Department. Analysis of rates will be based on DSR document of CPWD or based on market rates for determining item rate and pay to contractor accordingly.
- XX. **Defect Liability period:** Defect liability period shall be Twelve month from the date of completion of work. Any defect arising in this period will be rectified by him at his own cost. Failure to do so, shall lead to forfeiture of security deposit.
- XXI. **Work Performance Guarantee:** Contractor will provide guarantee and undertake that the water proofing work carried out by them as per specification will keep area treated with the said progress absolutely water-tight for a period of Three (03) year from the date of final completion of work.

- XXII. **Security Deposit:** A security deposit equal to 05 % of the value of work will be deducted from Contractor's bills.
- XXIII. **Release of Security Deposit:** After successfully completion of Defect Liability period of 12 months from date of final completion of work, subject to satisfactorily rectification of all defects.
- XXIV. Contractor should depute a qualified supervisor dedicated for this work, who will monitor and coordinate the works from contractor's side and interact with the Jamia Hamdard Engineers, responsible for supervision of work, on regular basis.
- XXV. Contractor will take due permission for entry of all his workmen in Jamia Hamdard. No unauthorized person will be allowed to work inside.
- XXVI. The contractor will arrange all necessary materials, tools, equipment, access ladders & scaffolding, measuring instruments and working consumables etc. needed for execution of the works. Safe custody of all such material will be contractor's sole responsibility. No extra charges will be paid for the same. Watch and ward of all material till the system is taken over by Jamia Hamdard shall be the sole responsibility of the contractor and pilferage etc. shall be entirely to his account.
- XXVII. During execution of work, Engineer can make minor changes in the scope of work as per site conditions or other reasons. Contractor will have no extra claim in his rates for the same.
- XXVIII. If during the execution of works, any damage is caused to Jamia Hamdard property by contractor's/contractors' workers, contractor will duly make good the loss. Jamia Hamdard has the right to make suitable deduction from contractor's bills along with penalty, if contractor fails to make good the loss.
- XXIX. During execution of work, the contractor/contractors should follow all standard norms of safety measures/precautions as per relevant IS codes and CPWD specifications to avoid accidents/damages to man, machines and buildings, at his own cost. Contractor will have his own arrangement to escort the labour to the nearest hospital for treatment in case any injury happens to any worker during execution of work.
- XXX. Manpower deployed by the contractor at our site for carrying out contract works is strictly prohibited being associated with any other works on the campus.
- XXXI. No material belonging to the contractor whether consumable or no consumable should be brought inside the Jamia Hamdard campus without proper entry at the Main Gate nor any material should be taken out without proper gate pass issued by the authorized representatives of the Centre.
- XXXII. During execution of the work, contractor should dispose off waste material on regular basis and should keep the area of work properly cordoned off and neat and clean as far as possible. After completion of work, contractor should clear the site completely of all unwanted and junk material before submitting his final bill.
- XXXIII. Jamia Hamdard will provide electricity, if needed, the electrical energy meter will be provided by the contractor and necessary deduction will be made as per the actual

consumption of electricity during execution of work. The contractor has to make his own arrangements for water.

- XXXIV. Tender once submitted will remain with the Jamia Hamdard and will not be returned to the bidders.
- XXXV. Termination of Contract: The Jamia Hamdard reserve the right to terminate the contract on account of poor workmanship, failure to mobilize site within 05 days, noncompliance of specifications for the works, abnormal delay in progress of work, violation of any contract provisions by the contractor. In such case, contractor's EMD and security deposit deducted so far will be forfeited.
- XXXVI. The contract can also be terminated on the request of contractor. In such cases the contractor is liable to pay Liquidated damages @ 5% of tendered value besides forfeiture of EMD & security deposit recovered so far.
- XXXVII. Any dispute arising out of this contract will be subjected to jurisdiction of New Delhi/Delhi.
- XXXVIII. Tenders not complying with any of the provisions stated in this tender document are liable to be rejected. Jamia Hamdard also reserves the right to accept or reject any or all the tenders without assigning any reason and does not bind himself to accept the lowest tender or split the work in two or three parts.
- XXXIX. That in the event of any difference, or dispute arising between the parties to this Agreement for any reasons whatsoever relating to the contract, whether during the substance of this Agreement or thereafter, it has specifically been agreed that the party will endeavor to amicably resolve the difference, but in case if dispute or differences still remain unresolved, the same shall be referred to the sole Arbitrator appointed with the mutual consent of both the parties where decision shall be final and binding upon the parties concerned.

(5) SPECIAL TERMS AND CONDITIONS

- I. Contractor will arrange proper necessary material at his own cost and will take all safety measures like safety belts, extra labour to hold ladders etc. If it is observed that work is proceeding without adequate safety precautions, work may be stopped by Engineer incharge and in such cases, contractor will be solely responsible for delay and its consequences thereof.

(6) Application Method:

I. Surface Preparation:

- a. The surface must be prepared thoroughly by cleaning, washing and removing dust, dirt, oil, grease and loose particles. Bitumen based waterproofing treatments if existing, must be completely removed by any effective mechanical means.
- b. Damaged or hollow portions, sharp edges, etc. in old terraces, brick coba/screed must be cut and removed till the mother slab. The slab should be recoated with bonding slurry of FIXOCRETE/equivalent and cement in 1:1 proportion. After drying, the brick bat coba should be reinstated by mixing FIXOCRETE in the base slurry and the mortar used for top coba. In other areas, where the substrate is sound, the surface cracks must be filled with FIXOCRETE/equivalent polymer-modified mortar in case cracks are wider than 5 mm.
- c. Cracks less than 2 mm should be cleaned free of dust. Apply Durabuild Anti-Efflorescent Primer on the crack and let it dry. Then pour Durabuild Microfiber Reinforced Elastomeric Waterproof Coating into these cracks and wait for it to dry. Ensure that the roof slope of a minimum of 1 in 100 is already provided

II. Application:

- a. Dilute 2 parts of Durabuild Anti-Efflorescent Primer with 1 one part of water to be used as a prime sealing coat. This dilution will cover 7 to 8 sq.mt. Allow it to dry for 6 to 8 hrs.
- b. Apply the first coat of Durabuild Microfiber Reinforced Elastomeric Waterproof Coating without any dilution at the rate of 2.0 sqm per kg and allow it to dry before taking up the second and third coats at right angles, the rate of application being the same.
- c. In larger roofs, an open woven glass fibre mesh of 2.5 mm x 2.5 mm must be sandwiched between the first and second coat. While the 1st coat is still wet, place the fibre mesh on it. After the coat dries, start applying the 2nd coat of Durabuild Microfiber Reinforced Elastomeric Waterproof Coating. This improves the performance of the coating dramatically, to take care of all movements in cracks and cold joints in the substrate caused by variations of high and low temperatures. If required, an additional coat can be applied, particularly for larger areas.
- d. Drying time between coats will be 6 to 8 hrs.
- e. Allow the system to air cure for 7 days minimum. A total thickness of 1 to 1.2 mm must be achieved when DURAKOTE HD/ equivalent is dry.

(7) CHECK LIST :TO BE SUBMITTED ALONG WITH BID

The tenderers are requested to ensure the submission of the essential documents to avoid disqualification of the bid. However, the check list is not exhaustive and the tenderer are requested to go through to NIT & related documents carefully and completely for fulfilments of tenderers requirement.

S. No.	Enclosures	Submitted
1.	Cost of tender document	
2.	EMD	
3.	Similar works order	
4.	Annual turnover certificate for the last three years with certification from practicing chartered accountant	
5.	Copy of registration letter	
6.	Signature with stamp in all pages of tender documents.	
7.	Bank account detail	
8.	E-mail address	
9.	Address for communication	
10.	Phone no, Mobile no, Landline no.	

Signature of the Tenderers

ANNEXURE-"B"

(8) LIST OF APPROVED MAKES

1.	Ordinary Portland Cement	Ultra Tech, ACC, of 53 Grade or other equivalent brands approved by the Engineer in-charge
2.	Bitumen Paint	Greenseal, Black Japan, or as approved by the Engineer in-charge
3.	Polysulphide Gun Grade sealant	Greenseal, Choksey or as approved by the Engineer incharge
4.	Stone Aggregate (Blue/Black)	Sohna, Pali or other Approved. By Engineer In-charge.
5.	White Cement	Birla, JK Cement or as approved by the Engineer in-charge
6.	Waterproofing	Greenseal, Structural Water proofing Co., Overseas Water Proofing Product. or approved by engineer incharge.
7.	Silicon Sealants	V-guard, or equivalent, as approved by the Engineer incharge.
8.	Brick	Modular common burnt clay bricks of class designation 7.5 as approved by the Engineer in-charge.

Note:-Contractors are requested to read the complete tender documents and visit the site before submission of Bids.

BOQ/Schedule of Quantities

Name of work: Waterproofing treatment of Nano-tech building Terrace, Jamia Hamdard.

S.N.	Description of work	Unit	Qty	Rate	Amount (Rs.)
1	Raking out joints in lime or cement mortar and preparing the surface for re-pointing or plastering, including disposal of rubbish to the dumping ground, all complete as per direction of Engineer-in-Charge.	sqm	500.00		
2	Providing gola 75x75 mm in cement concrete 1:2:4 (1 cement: 2 coarse sand: 4 stone aggregate 10 mm and down gauge), including finishing with cement mortar 1:3 (1 cement: 3 fine sand) as per standard design: In 75x75 mm deep chase	metre	60.00		
4	15 mm cement plaster on rough side of single or half brick wall of mix: 1:4 (1 cement: 4 coarse sand) with waterproofing compound.	sqm	75.00		
3	Grading roof for water proofing treatment with Cement concrete 1:2:4 (1 cement: 2 coarse sand: 4 graded stone aggregate (20-10) mm nominal size)	Cum	4.00		
5	Providing and applying fibre reinforced elastomeric liquid water proofing membrane with resilient acrylic polymers having Sun Reflectivity Index (SRI) of 105 on top of concrete roof in three coats @10.76 litre/ 10 sqm. One coat of self-priming of elastomeric waterproofing liquid (dilution with water in the ratio of 3:1) and two coats of undiluted elastomeric waterproofing liquid (dry film thickness of complete application/system not less than 500 microns). The operation shall be carried out after scrapping and properly cleaning the surface to remove loose particles with wire brushes, complete in all respect as per the direction of Engineer-in-Charge.	sqm	730.00		
	Total i/c GST				

Work Performance Guarantee: Contractor will provide guarantee and undertake that the water proofing work carried out by them as per specification will keep area treated with the said progress absolutely watertight for a period of Three (03) year from the date of final completion of work

(Signature of the Contractor & Stamp)

