

TENDER DOCUMENTS

FOR

**Supply, Installation, Testing & Commissioning of
Firefighting System with addressable PA System at
Majeedia Unani Hospital.**



**JAMIA HAMDARD
HAMDARD NAGAR, NEW DELHI-62**

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HAMDARD NAGAR, NEW DELHI-110062
NOTICE INVITING TENDER

NIT No. JH/Civil/Fire_Safety/MUH/48/24

Date: 08.07.2024

Jamia Hamdard invites sealed items rate Tenders in two bids system (Technical & Financial) from Registered Contractors at Govt./Semi Govt. Departments/Higher Educational Institutions or Working Agencies at Jamia Hamdard for the below mentioned work. The Tender documents and other details are available on the website: www.jamiahamdard.edu. **Last date of submission of the Tender is 24.07.2024 up to 3.00 PM.**

The bidders are also advised to visit site to satisfy themselves before submitting the bids. Bidders not fulfilling the eligibility criteria may be rejected.

NAME OF WORK: Supply, Installation, Testing & Commissioning of Firefighting System with addressable PA System at Majeedia Unani Hospital.

ESTIMATED COST: Rs. 26.00 Lacs (excluding GST)

EARNEST MONEY: Rs. 52,000.00

TENDER COST: Rs. 1200 only (Non Refundable)

TIME PERIOD: 45 days.

PRE BID 19.07.2024 at 11:00 AM in the office of the Executive Engineer

The Tender duly filled should be dropped in the Tender Box kept in Purchase Section, Admin Block **on or before 24.07.2024 upto 3.00 PM** along with demand draft of Earnest money & Tender fee in sealed envelope clearly specifying the name of work. The D.Ds shall be in favour of "JamiaHamdard" payable at New Delhi. The Tender shall be opened on same day at 3.30 PM by the tender committee in the presence of available interested parties in the Office of Executive Engineer and the Financial bid of the eligible parties will be opened after due information to eligible parties.

In case the required procedure is not followed, the tender can be rejected. Jamia Hamdard reserves the right to reject any or all tenders or split the tenders without assigning any reason whatsoever.

Registrar

Copy to:

1. System Analyst, Computer Center, to kindly upload the NIT with tender documents on the University's website.
2. PA to Finance Officer for kind information
3. Executive Engineer for kind information
4. Dean, SUMER & CMS (MUH) for kind information

- (1) **SCOPE OF WORK**
- **Supply, Installation, Testing & Commissioning of Firefighting System with addressable PA System at Majeedia Unani Hospital.**

(2) **ELIGIBILITY CRITERIA**

- Contractors should have executed similar nature of works of at least one contract of 80% value of estimated cost of works or two contracts of similar nature of works of 60% value of estimated cost of works or three contracts of similar nature of works of 40% value of estimated cost of works in the last 5 years in any Govt./Semi Govt./State Govt. Departments/Institutional Buildings, Universities and produce credentials in support thereof.
- The firm should have average annual financial turnover of at least Rs. 26 Lakhs during the preceding last 3 consecutive financial years. Turnover Certificate must be verified by the Chartered Account with a valid UDI no. if certificate not available, Copies of the audited balance sheet (duly verified by Chartered Account with a valid UDI no.) of the vendor/bidder for the last three financial years may be attached
- The Bidders must have G.S.T & PAN No., and should attach ESI, EPFO registrations, if applicable.

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

- a) Tenders submitted late.
- b) Tenders containing remarks uncalled for.
- c) Conditional tenders
- d) Tenders not submitted on prescribed Performa.
- e) Telegraphic tenders.
- f) Tender submitted without E.M.D. and Cost of tender document.

(3) **SUBMISSION OF BIDS**

Submission of Tender: Tenders should be submitted in two Parts i.e. “Technical bid” (Part-A) and “Price bid” (Part-B) in two separate sealed envelopes. Both the parts should be further put in a single sealed envelope super-scribing NIT No. & name of work, due date for opening, bidder’s name & address. The tender 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 tender shall be accepted later than the time schedule specified above. Any clarifications/amendments/corrigenda etc., to NIT 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 website.

Technical Bid (Part-A):

In this bid, the bidder shall submit the following:

- a. Covering letter on Company’s Letter head

- b. Bio data of company (Company profile, organizational setup, credentials, list of plant, machinery & tools in his possession).
- c. D.D.s of Tender Fee & Earnest Money Deposit.
- d. Copies of GST no., PAN no., ESI, EPFO Registration etc., as if applicable
- e. Company's financial performance documents (Turnover Certificate, Audited balance sheet, and profit and loss statement, if applicable)
- f. Copies of work orders for similar nature of works of at least one contract of 80% value of estimated cost of works or two contracts of similar nature of works of 60% value of estimated cost of works or three contracts of similar natures of works of 40% value of estimated cost of works in the last 5 years.
- g. Entire NIT (except Price bid) duly signed & stamped by the bidder.
- h. Experience of having successfully completed works during the last 3 years ending last day of the month previous to the one in which applications are invited.

Note

1. Completion certificate submitted should be issued by an officer not below the rank of Executive Engineer.
2. All documents submitted by the bidder should be self-attested along with stamp

Price Bid (Part-B):

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. should include (all material cost, labour, services, plant/machinery/tools & tackles, ladders & scaffolding required for work, freight, Insurance, Octroi, Govt. duties & levies, Sales Tax **and obtaining of NOC from statutory bodies.**), 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. **However, GST will be paid extra as per Govt. Norms.** 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 Tender. 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. 52,000.00** have to be enclosed along with the Technical bid (Part-A). The EMD shall only be in the form of Bank Draft in favour of Jamia Hamdard, New Delhi. No Cheques/Cash shall be accepted as EMD. The refund of EMD to the technically disqualified shall be made within 15 days from the date of opening of price bid. 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 45 days from 2nd day of the date of issue of work order. Any delay in completing the work for reasons attributable to the Contractor is liable for liquidated damages as per clause XVIII of NIT. The contractor shall not be entitle 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 regarding Time extension will be final and binding on the contractor.
- V. The rates shall be inclusive of FOR site (Fright, duties etc.), obtaining of NOC from Chief fire office (CFO)/Statuary Bodies, and **Exclusive of GST, which will be paid extra as per Govt. norms.** Jamia Hamdard welfare Relief Fund will be deducted @ 0.25% of the amount of total bill claimed.
- VI. The rates shall be inclusive of all taxes (Service Tax, duties and cartage etc. Jamia Hamdard welfare Relief Fund will be deducted @ 0.25% of the amount of total bill claimed.
- VII. **Deviations:** No deviation from the stipulated terms and conditions will be allowed. Tender will be unconditional.
- VIII. **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.
- IX. 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).

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.
- 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: Terms of Payment:** The payment shall be made on submission of the full and final bill in proper format by the contractor after due certification by the engineer responsible for of the work. **75 % payment will be made after satisfactorily completion of work, taking demo and testing of system. Remaining 25% of payment will be released after getting of revalidation of NOC from CFO/Statuary Bodies.** 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 clause XIX.
- 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 in solvent 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 Jamia 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 (12) months 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. Security Deposit:** A security deposit equal to 05 % of the value of work will be deducted from Contractor's bills.
- XXII. Release of Security Deposit:** after the completion of the Defect liability period of 12 months, as per clause XX, subject to satisfactorily rectification of all defects.
- XXIII.** 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.
- XXIV.** Contractor will take due permission for entry of all his workmen in Jamia Hamdard. No unauthorized person will be allowed to work inside.
- XXV.** 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.
- XXVI.** 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.
- XXVII.** 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.

- XXVIII. 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.
- XXIX. 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.
- XXX. No material belonging to the contractor whether consumable or non-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.
- XXXI. During execution of the work, contractor should dispose of 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.
- XXXII. 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.
- XXXIII. Tender once submitted will remain with the Jamia Hamdard and will not be returned to the bidders.
- XXXIV. **Termination of Contract:** The Jamia Hamdard reserve the right to terminate the contract on account of poor workmanship, failure to mobilize site within 15 days, non-compliance 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.
- XXXV. 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.
- XXXVI. Any dispute arising out of this contract will be subjected to jurisdiction of New Delhi/Delhi.
- XXXVII. 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.
- XXXVIII. 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.

XXXIX. The parties shall act strictly according to provisions of Indian Laws while implementing and interpreting this MoU/agreement, NIT etc. The Courts at New Delhi shall have exclusive pecuniary and territorial jurisdiction for the purpose of this MoU/agreement, NIT etc.

ANNEXURE-"B"

(5) LIST OF APPROVED MAKES

1.	Electrical Starter Panel	Agni or other equivalent brands approved by the Engineer in-charge
2.	Y Strainer	Zoloto, Kartar or other equivalent brands approved by the Engineer in-charge
3.	RRL Hose	Ultrafire, Essel or as approved by the Engineer in-charge
4.	S.S. Branch Pipe	Ultrafire, Essel or as approved by the Engineer in-charge
5.	NRV	Zoloto, Kartar or other equivalent brands approved by the Engineer in-charge
6.	C Class MS Pipe (Heavy Duty)	Jindal, Suryapraksh or other equivalent brands approved by the Engineer in-charge
7.	Electrical Driven Fire Pumps	Lubi, Kirloskar or other equivalent brands approved by the Engineer in-charge
8.	First Aid Hose Reel	Essel, C&CS or other equivalent brands approved by the Engineer in-charge
9.	Fire Alarm System	Agni or other equivalent brands approved by the Engineer in-charge
10.	Fire Alarm Cable	National, Polycab, Gloster or other equivalent brands approved by the Engineer in-charge

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

Schedule of Quantities

Name of work : Supply, Installation, Testing and Commissioning of Fire Fighting System at Majeedia Unani Hospital, Jamia Hamdard- Part A					
S.N.	Description of Items	Unit	Qty	Rate	Amount
1	Supply, Installation, Testing and Commissioning of Terrace Fire pumps 900 LPM, 35 mtrs head including Mechanical seal MS Base frame, AVM Pad complete	Nos.	2		
2	Supply, installation, testing and commissioning of pressure switch for automation	Each	2		
3	Supply, installation testing and commissioning of pressure gauge.	Each	6		
4	Wiring panel, motor and pressure switch.	Each	2		
5	Providing & fixing of electrical starter panel for Pumps including automation for pumps	Each	2		
6	Providing and fixing of 'Y' Strainer including Nut bolt and Washer.				
6 (a)	100 mm dia	Each	2		
7	Supply, Installation, Testing and Commissioning of First-aid Hose Reel Drum with MS construction spray painted in post office red,	Each	6		
9	SITC of Butterfly valve of 100 mm dia of PN 1.6 rating duly ISI marked complete with nut, bolts, washer and gaskets complete.	Each	6		
10	SITC of RRL Hose with SS coupling inclusive of rebinding with GI wire complete.	Each	20		
11	Supply, installation, testing and commissioning of S.S. branch pipe.	Each	10		
12	Supply and fixing air vessel made of 200 mm dia, 1000 mm in height with air release valve on top and flanged connection to riser	Nos.	2		
14	Supply and fixing of 2 way fire brigade connection of appropriate size for the required size pipe connection	Nos.	2		
15	SITC of 15 mm dia sprinkler with 68 degree rating	Nos.	75		
15	Providing, installation, testing and commissioning of Non-Return Valve Complete with Nuts Bolts and Washer.				
15 (a)	150 mm Dia.	Each	2		

16	Providing and fixing of 63 mm dia SS 304 Oblique Type Hydrant valve	Each	10		
17	Providing, laying, testing & commissioning of 'C' class heavy duty MS Pipe confirming to IS 1239 including welding fitting like elbows, tee, flanges, tappers, nuts, gaskets, etc. and fixing the pipe on the floor and wall. 100 mm Dia.				
17a	150mm dia	Meter	12		
17b	100 mm dia	Meter	125		
17c	80mm dia	Meter	12		
17d	65mm dia	Meter	12		
17e	50mm dia	Meter	24		
17f	40mm dia	Meter	12		
17g	32mm dia	Meter	12		
17h	25 mm dia	Meter	24		
18	SITC of sprinkler flexible pipe made of stainless steel 1000 mm long	Nos.	75		
19	Providing and Fixing of escutcheon plates fixed at the joint of sprinkler head and sprinkler flexible pipe	Nos.	75		
20	Providing and fixing of control valve of CI body and comprising of suitable all required material	Nos.	1		
21.	Providing and Fixing of Sluice Valve of 100 mm dia including gasket, Nut, bolts.	Nos.	8		
22.	First Aid Hose Reel provide and fixing of 20 mm dia. 30 mtrs long. Thermoplastic hose pipe IS: 12585, Type – II with shut off Nozzel and clamps.	Nos.	6		
23.	SITC of Hose Box Double Door, Size - 750 mm x 600 mm x 250 mm	Nos.	10		
24.	Providing and Fixing Autoglow Fire Signages of 1 .5 mm thick PVC Rigid sheet of appropriate size on locations as directed by E-I-C	Nos.	30		
25.	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank.- two tanks of 5000 ltr each	Ltr	10000		
27.	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in :	cum	2.50		

	Cement mortar 1:4 (1 cement : 4 coarse sand)				
28.	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:4:8 (1 Cement : 4 coarse sand (zone-III) : 8 graded stone aggregate 40 mm nominal size)	cum	2.00		
29.	12 mm cement plaster of mix : 1:4 (1 cement: 4 fine sand)	sqm	8.00		
30.	Dismantling old M.S./C.I. pipes & fittings including excavation and refilling trenches after taking out the pipes, make good of wall, ceiling etc. breaking lead caulked joints, melting of lead and making into blocks, including stacking of pipes within the campus premises: Note: Dismantling of fittings other than pipes is included in the item rate.	Job	1		
31.	Earth work in excavation by mechanical means (Hydraulic excavator)/ manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer in-charge.				
a	Ordinary rock	Cum	1.5		
b	Hard rock (blasting prohibited)	Cum	1.5		
	Total (A)				

(Signature of the Contractor &
Stamp)

SITC of Addressable Alarm System –Part B

S.No.	Description of Items	Unit	Qty	Rate	Amount
1	Supplying installation testing & commissioning of micro processor based 7 inch touch screen TFT display color intelligent fire alarm/detection 4 loop control panel. The panel shall be able to give location of all fire/fault conditions of addressable units via the address codes. The Panel Shall have LED Indicators for indication of various signals.	Each	1		

2	SITC of P.A. System with new Public addressing system 100 Watts amplifier, battery and mike etc complete. (Fire Alarm Panel and Public address system in one M.S. Cabinet Panel.)	Each	1		
3	Supplying installation testing & commissioning of Intelligent Addressable Type Heat Detector Complete with mounted base	Each	30		
4	Supplying installation testing & commissioning of Intelligent Addressable Type Smoke Detector Complete with mounted base	Each	30		
5	Supplying installation testing & commissioning of Intelligent analogue Addressable Type Manual Call Point	Each	18		
6	SITC of Addressable Sounder	Each	18		
7	SITC of PA Sounder mounted in MS frame	Each	18		
7	Supplying installation testing & commissioning of response indicator complete with connection etc. as required.	Each	30		
8	SITC of Fire Alarm cable cable 2cx1.5 sq mm fire alarm armoured cable 600/1000 v rated with annealed copper conductor having x LPE insulation, steel wire armouring and FRLS outer sheath complete.	Mtr	2000		
9	Dismantling of old fire alarm system including fittings, cables & panels etc. complete as required as per the direction of Engineer in charge	Job	1		
	(Total B)				
	(Total A+B)				
	Total in words				

GST will be extra as applicable

(Signature of the Contractor &
Stamp)