

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

NIT No.:- JH/Civil/Divyang-Toilet & Ramp/101/2023

Date: 09.01.2023

Jamia Hamdard invites sealed items rate Tenders in single bid system from Registered/ Contractors at Govt./Semi Govt./State 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 18.01.2023 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:	Providing & making of Ramps at the entrance of Academics buildings & provision for Handicapped (Divyangs) Toilets at Academics Buildings of Jamia Hamdard
ESTIMATED COST	Rs. 8.30 Lacs
EARNEST MONEY:	Rs. 16,600.00
TENDER FEE:	Rs. 800 only (Non Refundable)
TIME PERIOD:	45 days.

The Tender duly filled should be dropped in the Tender Box kept in Purchase Section, Admin Block on or before 18.01.2023 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 Tenders shall be opened on same day at 3.30 PM by the Tender 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 Tender can be rejected. Jamia Hamdard reserves the right to reject any or all 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. A.E. (Civil) for information & necessary action
5. Notice board of Admin Block

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FOR

Providing & Making of Ramps at the entrance
of Academics buildings & Converting/Erecting
Handicapped (Divyangs) Toilets at Academics
Buildings of Jamia Hamdard

JAMIA HAMDARD
HAMDARD NAGAR, NEW DELHI-62

(1) SCOPE OF WORK

Providing & making of Ramps & provision for Handicapped Toilets in following Academics Buildings

1. SCLS Building (Ramp & Washroom)
2. SUMER Building (Ramp & Washroom)
3. HCC Building (Ramp & Washroom)
4. Archives (SMBS) Building (Ramp)
5. Nursing PG Building (Ramp & Washroom)
6. Rehab Centre (Washroom)

(2) ELIGIBILITY CRITERIA

1. Bidders must have Registered at Govt. /Semi Govt./State Govt. Departments/Higher Educational Institutions or Worked/Working Agencies at Jamia Hamdard/other Govt./Semi Govt. Organisations. Bidders have to submit the related copies of the documents and other Registration Certificates justifying the eligibility criteria along with the Tenders documents. The original documents will have to be produced when asked for verification.
2. 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 natures of works of 40% value of estimated cost of works in the last 3 years in any Govt. /Semi Govt. /State Govt. Departments/Institutional Buildings, Universities and produce credentials in support thereof.
3. The Bidders must have GST, PAN and other necessary Registration Certificates.

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

1. **Submission of Tenders:** Tenders should be submitted in sealed envelope super-scribing NIT No. & name of work, due date for opening, bidder's name & address. The Tenders 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.

In this bid, the bidder shall submit the following:

- a. Covering letter on Company's Letter head
- b. Earnest Money Deposit. (to be deposited by every bidder without any exemption)
- c. Copies of GST, PAN and other necessary Registration Certificate
- d. Entire pages of Tender documents should be duly signed & stamped by the bidder.
- e. Bidder not complying the bid & equability criteria is liable to be rejected.
- f. BOQ is cited on **Annexure "X"**

In this bid, bidders are required to quote his item rates in the above said attached BOQ 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, GST, Service Tax, Sales Tax etc.), 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 Tender 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 Tender. The bidders should quote unconditional rates, neatly written without any overwriting and all pages should be duly signed & stamped.

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

(4) GENERAL TERMS & CONDITIONS

- I. **Earnest Money:** An earnest money of **Rs. 16,600.00** 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 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 Tenders:** Tenders 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 the date of issue of the work order. Any delay in completing the work for reasons attributable to the Contractor is liable for liquidated damages as per clause XI of NIT. 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 the Executive Engineer 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. **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.
- VII. **Before Submitting Tender, the Contractor shall visit and examine the site and satisfy himself as to the site conditions, the correct dimensions of the work and facilities. In case of any doubt, may be clarified from the office of the Engineer In-charge.**

Correspondence: All the correspondence in respect of Tender/award of work shall be made to Executive Engineer.

- VIII. **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 will submit one full & 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.
- IX. **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.

- X. 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.
- XI. **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.
- XII. **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 analysis for determining item rate and pay to contractor accordingly.
- XIII. **Defect Liability period:** Defect liability period shall be six (06) 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.
- XIV. **Security Deposit:** A security deposit equal to 05 % of the value of work will be deducted from Contractor's bills.
- XV. **Release of Security Deposit:** after the completion of the Defect liability period of 06 months, as per clause XXII, subject to satisfactory rectification of all defects.
- XVI. 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.
- XVII. Contractor will take due permission for entry of all his workmen in Jamia Hamdard. No unauthorized person will be allowed to work inside.
- XVIII. 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.
- XIX. 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.
- XX. 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.
- XXI. 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. The contractors also have to ensure that no one at site violate the safety/preventive measures of COVID-19 guidelines issued by the Government of India such as face mask, social distancing, cleaning of hands etc.
- XXII. 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.

- XXIII. 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 No. 3 nor any material should be taken out without proper gate pass issued by the authorized representatives of the Centre.
- XXIV. 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.
- XXV. Tenders once submitted will remain with the Jamia Hamdard and will not be returned to the bidders.
- XXVI. Tenders not complying with any of the provisions stated in this Tenders 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 do not bind him-self to accept the lowest bidder.

ANNEXURE-"B"

LIST OF APPROVED MAKES

1.	Ordinary Portland Cement	Ultra Tech, ACC, of 53 Grade or other equivalent brands as approved by the Engineer in-charge
2.	Ceramic Glazed Tiles	Kajaria, Somany, Orient Bell or as approved by the Engineer in-charge
3.	POP	Birla, JK Cement or as approved by the Engineer in-charge
4.	Putty	Birla, JK Cement or as approved by the Engineer in-charge
5.	OBD	Asian, ICI, Nerolac Premium Quality or as approved by the Engineer in-charge
6.	Enamel Paint	Asian, ICI, Nerolac Premium Quality or as approved by the Engineer in-charge
7.	M.S. Tube	Apollo or equivalent or as approved by the Engineer in-charge
8.	Mild Steel	Jindal or equivalent or as approved by the Engineer in-charge
9.	Water Closet (W.C.)	Hindware, Cera or equivalent or as approved by the Engineer in-charge
10	Flush Doors	Bhutani or equivalent or 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.

ANNEXURE X

Bill of Quantities

Name of work - Conversion/Erecting of washroom to the toilet for Divyangs (handicapped) at Academics buildings of Jamia Hamdard.

S.No	DESCRIPTION	UNIT	QTY.	RATE	AMOUNT
1	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead. For thickness of tiles 10 mm to 25 mm	sqm	7.00		
2	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge. In cement mortar	cum	0.10		
3	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge. Nominal concrete 1:4:8 or leaner mix (i/c equivalent design mix)	cum	0.70		
4	Dismantling stone slab flooring laid in cement mortar including stacking of serviceable material and disposal of unserviceable material within 50 metres lead.	sqm	6.50		
5	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	0.55		
6	Making the opening in brick masonry including dismantling in floor or walls by cutting masonry and making good the damages to walls, flooring and jambs complete, to match existing surface i/c disposal of mulba/ rubbish to the nearest municipal dumping ground, all complete as per direction of Engineer-in-Charge. For door/ window/ clerestory window	sqm	2.50		
7	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources).	cum	0.05		
8	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level. Mild steel and Medium Tensile steel bars	kg	15.00		
9	Centering and shuttering including strutting, propping etc. and removal of form for Lintels, beams, plinth beams, girders, bressumers and cantilevers	sqm	0.60		

10	CEMENT PLASTER (IN FINE SAND) 12 mm cement plaster of mix : 1:4 (1 cement: 4 fine sand)	sqm	1.50		
11	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete	Sqm	5.00		
12	Distempering with 1st quality acrylic distemper (Ready mix) having VOC content less than 50 grams/ litre of approved brand and manufacture to give an even shade including priming coat of water based primer applied @ 2.20 kg/10 sqm)	Sqm	5.00		
a	new work (three or more coats)				
13	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length (hold fast lugs or dash fastener shall be paid for separately). Second class teak wood	cum	0.11		
14	French spirit polishing : Two or more coats on new works including a coat of wood filler	sqm	2.10		
15	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters: 35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	sqm	2.60		
16	Extra for providing lipping with 2nd class teak wood battens 25 mm minimum depth on all edges of flush door shutters (over all area of door shutter to be measured).	sqm	2.60		
17	Providing & Fixing decorative high pressure laminated sheet of plain / wood grain in gloss / matt/ suede finish with high density protective surface layer and reverse side of adhesive bonding quality conforming to IS : 2046 Type S, including cost of adhesive of approved quality. 1.0 mm thick	sqm	5.20		
18	Providing and fixing aluminium die cast body tubular type universal hydraulic door closer (having brand logo with ISI, IS : 3564, embossed on the body, door weight upto 35 kg and door width upto 700 mm), with necessary accessories and screws etc. complete.	each	5.00		
19	Providing and fixing bright finished brass 100 mm mortice latch and lock, ISI marked, with six levers and a pair of anodised (anodic coating not less than grade AC 10 as per IS : 1868) aluminium lever handles of approved quality with necessary screws etc. complete.	each	1.00		

20	Providing and fixing 150 mm bright finished floor brass door stopper with rubber cushion, necessary brass screws etc. to suit shutter thickness complete	each	1.00		
21	Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab, including rubbing and polishing complete with base of cement mortar 1 : 4 (1 cement : 4 coarse sand) : 25 mm thick	Sqm	4.00		
22	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete. Size of Tile 600x600 mm	Sqm	16.00		
23	Providing and fixing vitreous china dual purpose closet suitable for use as squatting pan or European type water closet (Anglo Indian W.C pan) with seat & lid fixed with C.P. brass hinges and rubber buffers, 10 litre low level flushing cistern with fitting and brackets, 40 mm flush bend, 20 mm over flow pipe, with specials of standard make and mosquito proof coupling of approved municipal design complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required: White vitreous china dual purpose WC pan with white solid plastic seat and lid with white vitreous china flushing cistern and C.P. flush bend.	each	4.00		
24	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. 20 mm nominal dia Pipes	meter	7.00		
25	Providing and fixing uplasticised PVC connection pipe with brass unions : 30 cm length 15 mm nominal bore	each	9.00		
26	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. Flexible pipe 32 mm dia	each	5.00		
27	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931 15mm nominal bore	each	9.00		

28	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require: White Vitreous China Wash basin size 630x450 mm with a single 15 mm C.P. brass pillar tap	each	2.00		
29	Providing and fixing white vitreous china pedestal for wash basin completely recessed at the back for the reception of pipes and fittings.	each	2.00		
30	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.	each	5.00		
31	Providing and fixing PTMT soap Dish Holder having length of 138mm, breadth 102mm, height of 75mm with concealed fitting arrangements, weighing not less than 106 gms.	each	5.00		
32	Providing and fixing toilet paper holder : C.P. brass	each	5.00		
33	Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) all-round S.W. pipes including bed concrete as per standard design : 100 mm diameter S.W. pipe	metre	7.00		
34	Removing and refixing of existing Aluminium partition and door	Sqft	30.00		
35	Providing and fixing the powdered coated aluminum partitions with extruded built up standard tubular sections of size 2.5"x1.5" of 16 gauge. the door section of outer frame is 3.25"x1.75" and top & lock rail 3.25"x1.75" of 16 gauge and bottom rail rail of size 4.25"x1.75" of 16 gauge of ivory color, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions i.e at top ,bottom and sides with required EPDM rubber/neoprene gasket etc .Aluminium sections shall be smooth ,rust free, straight, mitered and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing /paneling ,c.p brass/stainless steel screws, all necessary fittings, fixtures, handles, tower bolts, locks, aluminium angle beading, rubber etc. all complete as per the direction of Engineer in charge. The partition having the 5mm thick plain glass including cutting of the glass, on bottom of the door 12 mm thick laminated particle board of approved color complete as required/as existing.	Sqft	60.00		

36	Providing and fixing the aluminum powdered coated Door with extruded built up standard tubular sections of size top, vertical and middle 3.25"x1.75" of 16 gauge, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions i.e at top ,bottom and sides with required EPDM rubber/neoprene gasket etc .Aluminium sections shall be smooth ,rust free, straight, mitered and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing /paneling ,c.p brass/stainless steel screws, all complete as per the direction of Engineer in charge. The door having the 5mm thick glass on top and on bottom 12 mm thick particle board of approved color including aluminium tower bolt, handle, lock, door stopper complete as required.	Sqft	21.00		
37	Providing & fixing of C.P. 2 way bib cock including necessary fittings complete as required as per the direction of Engineer in charge	each	5.00		
38	Providing & fixing of C.P. health faucet including necessary fittings complete as required as per the direction of Engineer in charge	each	5.00		
39	Providing and fixing 4" dia 6 kg presure PVC pipe for drainage line and stake line (Prakash make)	metre	7.00		
40	Providing and fixing 4" dia 6 kg presure PVC Bend/Tee in drainage PVC line (Prakash make)	each	2.00		
41	Providing and fixing of nanny trap of size 100mm complete as required as per the direction of Engineer in charge	each	2.00		
42	Providing & fixing of 4" SS jali for drainage purpose complete as required as per the direction of Engineer in charge	each	9.00		
43	Providing & fixing of stainless steel (304) grab bar of standard diameter and 1000mm long having three legs of 450mm for handicapped toilet including necessary fittings complete as required as per the direction of Engineer in charge	each	10.00		
44	Providing & fixing of fresh color Restroom cubicles System of thickness of compct aminated board 12mm, single color HPL Board (as approved). The size of cubicle 1000mm (W) x 1550mm (D) x 2003mm (H) with the door 1750mm (H) x 610mm (W), Overall Height Of Cubicle 2003 mm (Including bottom Gap of 150mm) Accessories: Standard – Aluminium, Stainless Steel - 304 Grade accessories)- a) Aluminium "U" Channel, b) Aluminium "F" channel , c) Aluminium Door Stopper Channel, d) Aluminium Top Rail, e) SS Coat Hook, f) SS Lock Set c/w Occupancy Indicator, g) SS Hinges with Cover, h) SS Adjustable Foot 316 Grade, i) Rubber Door Stopper Lining, j) S.S.Screws 304 Grade & P.V.C Wall Plugs, etc.Mock up to be approved prior to procurement.	each	2.00		
	Total				

(Contractor's sign. with seal)

Bill of Quantities

Name of work – Providing & making of Ramps at entrance of Academics Building of Jamia Hamdard.

S.N.	Description of work	Qty	Unit	Rate	Amount
1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:2:4 (1 Cement : 2 coarse sand (zone-III) : 4 graded stone aggregate 40 mm nominal size)	4.25	cum		
2	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure cement mortar 1:4 (1 cement : 4 coarse sand)	21.00	sqm		
3	CEMENT PLASTER (IN FINE SAND) 12 mm cement plaster of mix : 1:4 (1 cement: 4 fine sand)	36.50	sqm		
4	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge. Nominal concrete 1:4:8 or leaner mix (i/c equivalent design mix)	2.70	cum		
5	Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab, including rubbing and polishing complete with base of cement mortar 1 : 4 (1 cement : 4 coarse sand) : 25 mm thick	27.00	sqm		
6	Providing and laying gang saw cut 18 mm thick, mirror polished pre moulded and pre polished machine cut granite stone of required size and shape of approved shade, colour and texture in footpath, flooring cut granite stone of required size and shape of approved shade, colour and texture in footpath, flooring in road side plazas and similar locations, laid over 20mm thick base of cement mortar 1:4 (1cement : 4 coarse sand) including grouting the joints with white cement mixed with matching pigment, epoxy touch ups etc. complete as per direction of Engineer-in-Charge. With granite stone of area more than 0.50 sqm.	17.00	sqm		
7	Providing edge moulding to 18 mm thick marble stone counters, Vanities etc., including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-Charge.				
(a)	Marble work	25.00	metre		
(b)	Granite work	25.00	metre		

8	Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners , stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-incharge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.).	417.00	kg		
9	Filling of raised area for proposed ramp with available construction waste material within the campus premises as per the instruction of engineer in charge complete with all including labour and compaction etc. in all respect.	15.50	cum		
10	Demolishing cement concrete jali manually or mechanically means complete as required including lift and lead of waste material and disposal within campus premises as per the direction of Engineer in charge	2.00	Sqm		
Total Cost					

(Contractor's sign. with seal)

Summary of Cost

1.	Total Cost for Handicapped (Divyang) Toilets	
2.	Total Cost for Ramps	
	Grand Total	
	In Words	

(Contractor's sign. with seal)