

JAMIA HAMDARD

HAMDARD NAGAR, NEW DELHI - 110062

Telephone: 011-26059688-5374

TENDER DOCUMENT

FOR

**Electrical work required for proposed computer lab at Room No.
401, 4th floor Central Library Building.**

Submitted by:

Name of the Agency:

Address:

Contact No:

Email ID

JAMIA HAMDARD
(DEEMED TO BE UNIVERSITY)
HAMDARD NAGAR, NEW DELHI-110062

TENDER NOTICE

04.10.2022

Jamia Hamdard, New Delhi invites sealed items rates Tenders in **Single bid system** from reputed contractors registered with Govt. Semi Govt. or State Govt. organization or worked/working in Jamia Hamdard for the below mentioned work. Tender Documents are attached herewith. Last date of submission of the Tender is 17.10.2022 up to **3:00 PM**. The bidders are also advised to visit the site to satisfy themselves before submitting the Bids. Bidders not fulfilling the Eligibility Criteria will be rejected. Eligibility Criteria is mentioned at Tender clause 2.

NAME OF WORK	Electrical work required for proposed computer lab at Room No. 401, 4th floor Central Library Building.
ESTIMATED COST	Rs.4.12 lacs
EARNEST MONEY:	Rs. 8250.00 Demand Draft in favour of “Jamia Hamdard” New Delhi
TENDER COST:	Rs.500 /- Demand Draft in favour of “Jamia Hamdard” New Delhi
TIME PERIOD	30 days or 03 days after the completion of the Civil work from the 2nd day of the receipt of the work order.

The Tender duly filled should be dropped in the Tender Box kept in Purchase Section, Admin Block on or before 17.10.2022 **up to 3:00 PM** along with demand draft of earnest money & Tender fee in sealed envelope clearly specifying the name of work. The DDs shall be in favor of Jamia Hamdard payable at New Delhi. The bids shall be opened on 17.10.2022 **at 3:30 PM** by the tender committee in presence of available interested parties. Jamia Hamdard reserves the right to reject any or all tenders without assigning any reason. Decision of Jamia Hamdard in this regard will be the final and binding on all applicants.

Registrar

1. SCOPE OF WORK

Electrical work of point wirings, wiring for light plug points, power points including SITC of DB, MCBs, fitting fixtures, cables etc. at 4th floor, Room no. 401 Central Library Building as per BOQ (Annexure 'A') / requirement of site etc.

2. ELIGIBILITY CRITERIA

1. Bidders must have registration / empanelled with Govt. Semi Govt. or State Govt. organization or worked/working in Jamia Hamdard for electrical works. Bidders have to submit the related copies of the documents and other Registration Certificates justifying the eligibility criteria along with his Tender. The original will have to be produced when demanded for verification.
2. Contractors should have executed similar nature of works of at least one contract of Rs.3.30 Lakhs or two contracts of similar nature of works of Rs.2.47 Lakhs or three contracts of similar natures of works 1.65 Lakhs in the last 3 years in any institutional Buildings, Universities and produce credentials in support thereof.
3. Certified documents of having successfully completed similar works during the last 3 years as on 30.09.2022 should also be attached.
4. The Bidders must have GST, PAN, Electrical License issued from Govt. Semi Govt. or State Govt. organization and other necessary Registration Certificates.

3. SUBMISSION OF BIDS

Tenders should be submitted in sealed envelopes, super-scribing NIT & Name of work, due date for opening, bidder's name & address. The sealed tender duly filled should be dropped in the tender box kept in the Central 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/corrigendum 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.

Note: The bidder shall submit the following:

- a. Covering letter on Company's Letter head
- b. Tender Fee
- c. Earnest Money Deposit.
- d. Copies of GST, PAN, Electrical License and other necessary Registration Certificate
- e. Copies of work orders for similar nature of works as per criteria for eligibility mentioned above.
- f. Entire NIT and document duly signed & stamped by the bidder.

- g. Bidder not complying the bid & eligibility criteria is liable to be rejected.
- h. Completion certificate submitted should be issued / signed by an officer not below the rank of Executive Engineer/Assistant Engineer.
- i. BOQ of Electrical Works is cited on **Annexure “A”**
- j. 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. 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. 8250.00 for the above Electrical works has to be enclosed along with the Tender. The EMD shall only be in the form of Bank Draft in favour of “Jamia Hamdard” payable at “New Delhi”. No Cheques/Cash shall be accepted as EMD. The EMD of the successful lowest bidder (L-1) 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 30 days or 03 days after the completion of the Civil work from the 2nd day of the receipt of the work order. Any delay in completing of work for the reasons attributable to the Contractor is liable for liquidated damages as per clause 4, “XII” Terms Conditions. 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. All applicable taxes will be deducted as per prevailing Govt. norms and Jamia Hamdard Employee Relief Fund (JHERF) 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.
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. In case of any doubt, it may be clarified from the office of the Assistant Engineer (Electrical).
- VIII. **Correspondence:** All the correspondence in respect of tender/award of work shall be made to Executive Engineer.
- IX. **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. Full and final payment will be made after completion of work for claiming payment based on actual quantities of items of work executed as per BOQ and Engineer's instructions. 5% amount will be withheld towards the security deposit from the bill. The security deposit shall only be refunded after expiry of the defect & liability period which will be 6 months after satisfactory completion of all works
- X. **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.
- XI. 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.
- XII. **Liquidated damages:** In case the work is delayed beyond the specified completion period for reasons attributable to the contractor and without any genuine reason, deductions on account of Liquidated damages @1 % of the contract value per day will be deducted subject to a maximum of 10% 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.
- XIII. **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 concerned Engineering Department. Analysis of rates will be based on DSR-2018 document of CPWD or based on market rates for determining item rate and pay to contractor accordingly.

- XIV. **Defect Liability period:** Defect liability period shall be six months from the actual date of completion of work. Any defect arising in this period due to contractor's fault will be rectified by him at his own cost. Failure to do so, shall lead to forfeiture of security deposit.
- XV. **Security Deposit:** A security deposit equal to 05% of the value of work will be deducted from Contractor's bill and shall be refunded after the completion of defect liability period of six months after ensuring successful performance of the system executed by the contractor.
- 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 should follow all the 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.
- 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. 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.
- XXIV. 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 (at the rates paid by JH to BSES) during execution of work. The contractor has to make his own arrangements for water.

- XXV. Tender once submitted will remain with the Jamia Hamdard and will not be returned to the bidders.
- XXVI. **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.
- XXVII. 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.
- XXVIII. Any dispute arising out of this contract will be subjected to jurisdiction of New Delhi/Delhi.
- XXIX. 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.
- XXX. 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 their after, 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 by the Vice Chancellor of Jamia Hamdard and the Arbitrator decision shall be final and binding upon the parties concerned.

5 SPECIAL TERMS AND CONDITIONS

- I. Makes of Items to be used by contractor will be according to the list of approved makes given at Annexure 'B'. No other makes will be used by the contractor.
- II. Contractor will first submit the sample of relevant make to Executive Engineer/A.E. Electrical for approval before procuring the material.
- III. Contractor will arrange proper necessary materials 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 in-charge and in such cases, contractor will be solely responsible for delay and its consequences thereof.

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 fulfillments of tenderer requirement.

S. No.	Enclosures	Submitted
1.	Cost of tender document	
2.	EMD	
3.	Similar works order and other documents asked	
4.	Signature with stamp in all pages of tender documents.	
5.	Bank account detail	
6.	E-mail address	
7.	Address for communication	
8.	Phone no, Mobile no, Landline no.	

Signature of the Tenderer's with stamp

ANNEXURE-A

BOQ of Electrical Work

S.No.	Particular	Qty	Unit	Rate	Amount
1	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required	28	Nos.		
2	Supplying and fixing of following sub-main circuit wiring with PVC insulated copper conductor alongwith loop earthing single core cable and laying in PVC Conduit/casing, capping on surface/recessed etc. as required.				
a	2 × 2.5sq. mm + 1 × 2.5 sq. mm earth wire (1.14.2)	130	Rmt		
b	2 × 4.0sq. mm + 1 × 4.0 sq. mm earth wire (1.14.3)	350	Rmt		
3	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 A modular socket outlet and 5/6 A modular switch, connections etc. as required.	1	Nos.		
4	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess with complete connection etc. as required.				
a	6 Module (200mmX75mm) (1.27.4)	60	Nos.		
5	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required				
a	5/6 A switch	120	Nos.		
b	3 pin 5/6 A socket outlet	120	Nos.		
6	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 A modular socket outlet and 15/16 A modular switch, connections etc. as required.	1	Nos.		
7	Wiring for group controlled (looped) light point/fan point/exhaust fan point/ call bell point (without independent switch etc.) with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed PVC conduit, and earthing the point with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable etc. as required.	12	Nos.		
8	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of Single poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
a	Single Pole MCB (2.10.1) (Make: ABB/ Hager / Havells)	18	Nos.		

9	Supplying and fixing of following size, horizontal type three pole and neutral, sheet steel, MCB distribution board, 415 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator).				
a	4 way (4 + 12), Double door	1	No.		
10	Supplying and fixing following rating, four pole, 415 V, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
a	63 Amp	1	No.		
b	100 Amp	1	No.		
11	Supplying and fixing following rating, double pole, 240 V, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
a	63 Amp	1	No.		
12	Supplying and fixing 20 A, 240 V, SPN Industrial type socket outlet, with 2 pole and earth, metal enclosed plug top alongwith 20 A "C" curve, SP, MCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket out let and complete with connections, testing and commissioning etc. as required.	5	Nos.		
13	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size in cable tray as required.				
a	Upto 35 sq. mm (clamped with 1mm thick saddle)	60	Rmt		
14	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size on wall surface as required.				
a	Above 35 sq. mm and upto 95 sq. mm (clamped with 25x3mm MS flat clamp)	40	Rmt		
15	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 V, on surface recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)				
a	6 way , Double door	1	No.		
b	12 way , Double door	1	No.		
16	Supplying & making indoor end termination with brass compression gland & Aluminum lugs for following size of PVC insulated & PVC sheathed/ XLPE Aluminum conductor cable of 1.1 KV grade as reqd.				
a	2 X 25 sq. mm (22mm)	2	Sets		
b	3½ X 25 sq. mm (28mm)	4	Sets		
c	3½ X 95 sq. mm (45mm)	2	Sets		
17	Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing as required.	30	Rmt		

18	Supplying and installing following size of perforated painted with powder coating M.S. cable trays with perforation not more than 17.5%, in convenient sections, joined with connectors, suspended from the ceiling with M.S. suspenders including bolts & nuts, painting suspenders etc as required.				
a	100 mm width X 50 mm depth X 1.6 mm thickness	10	Rmt		
19	Supply of 3.5×25 sqmm XLPE Aluminum armored cable, PVC insulated 1.1KV Grade.	38	Rmt		
20	Supply of 3.5×95 sqmm XLPE Aluminum armored cable, PVC insulated 1.1KV Grade	45	Rmt		
21	Supply of 2×25 sqmm XLPE Aluminum armored cable, PVC insulated 1.1KV Grade	28	Rmt		
22	Supplying and fixing 63A rating, two pole, 240/415 V, ELCB in the existing MCB DB complete with connections, testing and commissioning etc. as required	1	No.		
23	Supplying and fixing 63A rating, Three pole 415 V, MCB in the existing MCB DB complete with connections, testing and commissioning etc. as required (Make: ABB/ Hager / Havells)	1	No.		
24	Providing and fixing following rating and breaking capacity and pole MCCB with thermo magnetic release and terminal spreaders with suitable size MCCB Box including drilling hole in cubicle panel, making connections, etc. as required.				
a	100 A, 25 KA,TPMCCB	1	No		
25	Providing and fixing following rating and breaking capacity and pole MCCB with thermo magnetic release and terminal spreaders in existing cubicle panel board including drilling hole in cubicle panel, making connections, etc. as required..				
a	125 A, 25 KA,TPMCCB	1	No		
26	Supply and fixing 36/40W LED tube fitting 2'x2' including wiring upto 1.5 meter length with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable etc. as required complete connection etc as required	24	Nos.		
27	Supply Installation, testing and commissioning of 16" Wall Fan complete connection etc as required.	16	Nos.		
28	Dismantling of old cable, circuit wirings, fitting fixtures, ceiling fans and dressing of old DB etc including shifting of unused old circuits, fitting fixtures, boards, switches sockets boxes plate, fans etc to Maintenance Store	1	Job		
			TOTAL		

(Signature & Seal of the Contractor)

Annexure 'B'

List of approved make for Electrical works

S.No.	Particulars	Make
1.	PVC Insulated Copper Conductor cable	Havells / Polycab / Finolex/ RR Kabel
2.	Aluminum Armored Cable	Havells / Polycab / RR Kabel
3.	AC Box	ABB/MDS/ Hager/Havells
4.	MCB/Isolator /ELCB	ABB/ MDS/ Hager/Havells
5.	Distribution Box	ABB/ MDS/Hager/Havells
6.	PVC conduits/ casing capping	Setia/ Plasoduct / AKG
7.	LED Lights	Crompton Greaves /Philips/ Havells
8.	Exhaust Fan /Wall Fan	Crompton Greaves / Havells
9.	Cat-6 Data cable	AMP/D-Link / Systimatic
10.	10Amp/20Amp modular light and power plug	Anchor Roma/North West /MK
11.	Digital Meter	HPL /L&T / A E
12.	MCCB	L&T / Havells / ABB
13.	Ceiling Fan	Crompton Greaves High Speed / high speed Havells

Signature of the contractor with Seal