

All India Institute of Medical Sciences, Bathinda.

ALL INDIA INSTITUTE OF MEDICAL SCIENCE, Bathinda NOTICE INVITING TENDER

01	Name of work	Modification of Animal House including False Ceiling Work and Provision of 2 Separate Exit Doors.
02	Tender No.	Aiims Bathinda / Engg. & Estate / 24-25 / 1821
03	Contract period	Two Month
04	Estimated Cost	Rs.4,16,364/-
05	Earnest money deposit	Rs.8,330/-
06	Performance Security	5% of Tendered Cost
07	Defect liability period	One year after completion of work
08	Tender documents will be issued from	Download from Institute Website i.e. www.aiimsbathinda.edu.in
09	Last date and time place of submission	As per CPPP
10	Date time and place of tender opening	As per CPPP

Dated
29/5/24

Please read carefully the notes given with the tender Notice.

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Technical Bid

Details of the Bidder / Bidder

S. No.	Details of the Bidder / Bidder
1.	Name of Firm /Service provider / service provider
2.	Complete Address:
3.	Name of Proprietor/ Partner/ Managing Director / Director.
4.	State clearly whether it is sole proprietor or partnership firm or a company or a Government Department or a Public Sector Organization
5.	Details of Earnest Money Deposit (EMD) (Yes / No) DD No.: Dated: Drawn on Bank: Amount: (Rupees.....)
6.	Whether each page of NIT and its annexure have been signed and stamped
7.	Whether the firm is a registered firm Yes/No (attached copy of certificate).
8.	Copy of GST Registration
9.	Permanent Account No. (Copy must be provided)
10.	Minimum Average Annual Turnover of Bidder Should be 5 Lakh for 3 financial years. Certificate Of CA Should be submitted
11.	Past Experience certificate (Minimum 1 year Similar works Experience)
12.	Name and address of Office/ nearby Bathinda
13.	Official Email ID
14.	Contact No.

❖ **Note: All pages should be numbered & indexed.**

Date:
Place:

Name :
Business Address
Signature of Bidder


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SCOPE OF WORK

The work included in this contract consists of: -

- a. Providing and fixing aluminium work for partitions and door, with extruded built-up standards tubular sections/ appropriate Z sections and other sections of approved make with float glass sheet of nominal thickness 5mm.
- b. Providing and fixing calcium silicate/Gypsum false ceiling of approved make at all height as per specification.
- c. Providing and fixing 35 mm thick factory-made laminated veneer timber door shutter as per specification
- d. Providing and fixing all necessary fittings like hydraulic floor spring, handles, tower bolts, lacks, rubber stoppers etc.as per specifications.
- e. Float glass sheet of nominal thickness 5mm in aluminium door and partitions etc with PVC/neoprene gasket.
- f. Demolishing of brick work for provision of separate entry Door with disposal of the same
- g. Brick work with common burnt clay machine moulded perforated bricks of class designation 12.5 conforming to IS: 2222 in superstructure above plinth level up to floor five level in cement mortar 1:6 (1 cement: 6 coarse sand)
- h. Providing and fixing up to floor five level precast cement concrete string or lacing courses, copings, bed plates, anchor blocks, plain window sills, shelves, louvers, steps, stair cases, etc., including hoisting and setting in position with cement mortar 1:3 (1 Cement: 3 coarse sand), cost of required Centring complete.


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- i. Providing and fixing roofing consist of 0.8 mm thick galvanized steel deck sheet confirming to IS 277:1992 used as permanent shuttering over which MS wire mesh 3 mm laid at 100x100 mm grid including edge trim covered with concrete. This metal deck will be supported on structural steel beam with shear studs. (Structural steel like Beam, column, joists etc. & concrete of different grade as per design will be paid separately)
- j. 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.
- k. Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade (02 or more coats)
- l. Finishing walls with textured exterior paint of required shade (02 or more coats)


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SPECIAL CONDITIONS OF CONTRACT

1. **CO-ORDINATION WITH OTHER AGENCIES:** - While the work under any schedule is in progress, the work under the other schedule will also progress simultaneously. Also, other agencies like civil agency, sanitary contractors will work simultaneously during the progress of work covered under any schedule of other contractors. The contractor shall not only carry out work in co-ordination with other agencies but also give them all assistance e.g., water pipe etc. and as required without any extra charges.
2. **DISCREPANCY BETWEEN SPECIFICATIONS:** - In case of discrepancy in the specifications or any other matter the matter shall be brought by the contractor to the notice of the Engineer in charge for further decision.
3. **CONTRACTOR TO EMPLOY QUALIFIED SUPERVISOR:** -The contractor shall employ skilled supervisor "to supervise and execute the work".
4. **INCONVENIENCE TO THE PUBLIC:** - The contractor shall not deposit or store any materials at any site without permission of the Engineer. The materials will be stored at such places only with prior approval of the Engineer as there is no obstruction in traffic or other agencies
5. **THE PROVISION AGAINST ACCIDENT AND SAFETY MEASURES:** -
 - i) The contractor will take all necessary precautions against a fire during the course of his work & will ensure the work against fire at his cost.
 - ii) He will also take all care against likely damage of floor, walls, doors, windows or any part of the building. In case of any damage or loss, the contractor has to make good at his own cost.
6. **SPECIFICATIONS:** - In the absence of specifications for any work or material, relevant Indian Standard Specifications shall be applicable.
7. **CLEANING THE SITE:** - The site described and shown on the plans, shall be cleared off all the rubbish of all kinds etc. complete. After completion of the work and the site shall be handed over in clean and neat condition.
8. **SECRECY:** - In a view to safeguard the secrets & confidential information relating to All India Institute of medical Sciences, Bathinda, the tenderer binds himself and his successors to secrecy & contracts to bind to secrecy of his officials, Manager, Technical Senior staff & all other staff directly or indirectly concerned in or whom have to acquire information relation to the AIIMS, Bathinda equipment and the tenderer shall access to any such information.


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9. **SECURITY RULES:** - The contractor shall follow at site security rules regarding removal of materials from site, issue of materials from site, issue of materials from stores, issue of identity card etc., as may be framed from time to time by the Engineer.
10. **CARE IN CASE OF OCCUPIED BUILDINGS:** - Tenderer may also note that when the subject work is to be carried out in the premises of occupied residential and other buildings which are already under occupation, all care shall be taken to protect personal and / or Government materials fixtures, appliances, equipment's etc. In case of any damage to any of the existing arrangements, contractor is liable to do such work to its original and / of shall be liable to pay the cost of such damages / losses. The work shall be carried in close co-ordination with occupants of these buildings without any hindrance and interruption.
11. **SUPPLY OF TOOLS TACKLES AND OTHER MATERIALS:** - For full completion of the work, contractor shall at his own expense arrange & furnish all necessary work tools, tackles, scaffolding, tagaries, mugs, scrappers, wire brushes etc. that may be required to complete the work under contract.
12. **INSPECTION OF WORK:** - Engineer or any person appointed by them shall have access and right to inspect the work, or any part thereof at all times and places during the progress of the work. the inspection and supervision are for the purpose of assuring owner that the plans and specification and being properly executed and while owner and / or Engineer and their representative will extend to contractor all desired assistance in interpreting the plans and specifications, all such assistance shall not relieve contractor from any responsibility for the work. Contractor without delay shall correct any work, which proves faulty.
13. **SECURITY:** - The contractor shall follow security rules of Institute. The contractor should issue the identity cards to their workers. You may please note that the security section is empowered to carry out the checks.
14. Contractor shall take all precautionary measures to avoid any damage to adjoining property. All necessary arrangement shall be made at his own cost.
15. The contractor shall take instructions from the Engineer-in-Charge regarding collection and stacking of materials at any place. No excavated earth or building rubbish shall be stacked on areas where other buildings, roads, services and compound walls are constructed.
16. Normally contractors shall not be allowed to work at night. Work at night shall, however, be allowed if the site conditions / circumstances so demand. However, if the work is carried out in more than one shift or at night, no claim on this account shall be entertained. In such situations the contractor shall make available to the department proper means of transport such as vehicle at his own cost.


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Schedule Of Quantities for False Ceiling & Modification work at Animal House									
S No.	Item No.	Item	Unit	L	B	Qty	Rate	Amount	
1	26.23	Providing and fixing false ceiling at all heights with integral densified calcium silicate reinforced with fibre and natural filler false ceiling tiles of Size 595x595 mm of approved texture, design and patterns having NRC (Noise Reduction coefficient) of 0.50 (minimum) as per IS 8225:1987, Light reflectance of 85% (minimum). Non combustible as per BS:476 (part-4), fire performance as per BS:476 (part 6 & 7), humidity resistance of 100%, thermal conductivity < 0.043 W/m K as per ASTM 518:1991, in true horizontal level suspended on inter-locking metal powder coated T-Grid of hot dipped galvanised iron section of 0.40 mm thick on Silhouette profile, rotary stitched double webbed white with 6 mm reveal profile (white/ black), comprising of main-T runners of size 15x42 mm of length 3000 mm, cross - T of size 15x42 mm of length 1200 mm and secondary intermediate cross-T of size 15x42 mm of length 600 mm to form grid module of size 600 x 600 mm, suspended from ceiling using galvanised mild steel items (galvanizing @ 80 grams per sqm) i.e. 50 mm long, 8 mm outer diameter M-6 dash fasteners, 6 mm dia fully threaded hanger rod upto 1000 mm length and L-shape level adjuster of size 85x25x2 mm. Galvanised iron perimeter wall angle of size 22x19x0.40 mm of length 3000 mm to be fixed on periphery wall / partition with the help of plastic rawl plugs at 450 mm center to center and 40 mm long dry wall S S screws. The work shall be carried out as per specifications, drawing and as per directions of the Engineer-in-Charge.							
	26.23.1	With 15 mm thick integral densified micro edge light weight calcium silicate false ceiling tiles	Sqm						
		Cages For Rats		3.22	4.455	14.3451			
		Cages Frogs		3.22	4.455	14.3451			
		OT		4.27	4.34	18.5318			
		Cages For Rabbits		3.22	4.455	14.3451			
		Cages For pigs		3.22	4.455	14.3451			
		Corridor Area		1.5	17.84	26.76			
2	15.7	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							
	15.7.4	In cement mortar	Cum			2.3			
3	6.4	Brick work with common burnt clay machine moulded perforated bricks of class designation 12.5 conforming to IS: 2222 in superstructure above plinth level up to floor five level in cement mortar 1:6 (1 cement: 6 coarse sand).							
	6.4.1	Cement mortar 1:4 (1 cement: 4 coarse sand)	Cum			1.00			
4	13.1	12 mm cement plaster of mix							
	13.1.1	1:4 (1 cement: 4 fine sand)	Sqm			9.00			
5	21.1	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, 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, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing/panelling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately)							
	21.1.2	For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber/neoprene gasket required (Fittings shall be paid for separately)							
	21.1.2.2	For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber/neoprene gasket required (Fittings shall be paid for separately)	Kg			50			
51		Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc, with EPDM rubber/ neoprene gasket etc. complete as per the architectural drawings and the directions of Engineer-in charge (Cost of aluminium snap beading shall be paid in basic item) With float glass panes of 5mm thickness	Sqm			2			

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6	9.6	Providing and fixing 35 mm thick factory made laminated veneer lumber door shutter conforming to IS. 14616 and TADS 15:2001 (Part B), fixing with butt hinges of required size with necessary screws, all complete as per directions of Engineer- in-charge	Sqm			5.76		
7	4.5	Providing and fixing up to floor five level precast cement concrete string or lacing courses, copings, bed plates, anchor blocks, plain window sills, shelves, louvers, steps, stair cases, etc., including hoisting and setting in position with cement mortar 1:3 (1 Cement: 3 coarse sand), cost of required Centering complete.						
	4.5.1	Providing and fixing up to floor five level precast cement concrete string or lacing courses, copings, bed cases, plain window sills, shelves, louvers, steps, stair cases, etc., including hoisting and setting in position with cement mortar 1:3 (1 Cement: 3 coarse sand), cost of required Centering complete	Cum			0.2		
8	26.65	Providing and fixing roofing consist of 0.8 mm thick galvanized steel deck sheet conforming to IS 277-1992 used as permanent shuttering over which MS wire mesh 3 mm laid at 100x100 mm grid including edge trim covered with concrete. This metal deck will be supported on structural steel beam with shear studs. (Structural steel like Beam, column, joists etc. & concrete of different grade as per design will be paid separately)	Sqm			2.52		
9	13.8	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			9		
10	13.62	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade						
	13.62.1	Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture	Sqm			9		
11	13.110	Finishing walls with textured exterior paint of required shade :						
	13.110.1	Old work (Two or more coats on existing cement paint surface applied @ 3.28 ltr/10Sqm	Sqm			9		
Total								
GST @ 18 %								
Total Amount								

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Technical specification

1. Eco-friendly light weight, characterized with 100% relative humidity resistance, non-combustibility as per BS 476 Part IV, thermal conductivity between 0.048-0.050W/m⁰K as per IS: 3346-1980, light reflectance > 85%, and Noise Reduction Coefficient (NRC) of 0.50 for Spin tone / Cosmos /Fine Fissured/Spectra and NRC of 0.15 for Hexa /Quadra/Quadra Max, and NRC of 0.65 to 0.75 for Globe fully perforated tiles, as per IS-8225-1987. Sound attenuation STA-32 db. The tiles should weigh approx. 5.0-5.5 kg/m²
2. Free from formaldehyde and other harmful materials. Does not contain any toxic ingredients. It is environment friendly and also categorized as green building product by Green Building Council
3. aluminum work shall be: extruded built-up standards aluminum tubular sections /appropriate Z sections and other sections of approved make conforming to IS 733 and IS 1285
4. The work shall be carried out according to the specifications whether specifically mentioned or not No extra in any form will be paid unless it is definitely stated as in item in the Schedule of Quantities
5. Temporary Protection: All entrances shall be without thresholds. All aluminum surfaces in contact with masonry shall be given a thick coat of bit mastic paint. After fabrication, aluminum sections shall be protected from construction hazards that may damage their appearance or finish. All exposed surfaces of aluminum door entrance shall be protected by masking tape during transshipment and erection. The glass brought to site shall be protected against damage.
6. Quality of work: Materials, tools and plants and workmanship shall be the best of the several kinds obtainable in the market and as approved by the engineer. Rejected material, if any shall be removed from site as desired by the engineer.
7. Leave clean: On completion, all the materials must be cleaned down, surplus materials, debris and other accumulations and everything left in a clean and orderly condition.
8. Samples: Samples of each class of materials required shall be submitted by the contractor for the approval of the Engineer and after such approval these samples shall be deposited at a place chosen by the Engineer. The contractor will be required to perform all work under this contract in accordance with these approved samples.
9. Float glass sheet of nominal thickness 5mm in aluminium door and partitions etc with PVC/neoprene gasket
10. Brick shall be of first class having compressive strength equal to or more than 10 MPa.


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List of approved Make/agencies

S.No	ITEM	MAKE
1	ALUMINIUM EXTRUSIONS	JINDAL, HINDALCO, NARMADA, BHARUKA, INDAL, MAHAVIR OR EQUIVALENT.
2	EXPANSION, FASTENERS	FISHER, HILTI, ANCHORS, AXEL
3	PRELAMINATED PARTICLE BOARD	ACTION TESA, NOVAPAN, ANCHOR, MERINO, GREEN LAM, CENTRURY, ARCHIDPLY
4	Calcium silicate false ceiling	Ramco Hilux, Aerolite, Promat
5	FLOT GLASS	MODI GUARD, SAINT GOBIN
6	LOCKS AND HANDLES	EVERITE, GODREJ, HARRISON, INDOBRASS
7	Gypsum false ceiling	Gyproc, Armstrong, Shera, USG Boral, Gypsoman
8	Cement	ACC, Ultratech, Ambuja, JK laxmi, JSW cement, JK Cement
9	Paint	Berger, Asian paints, Nerolac

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