

INVITATION FOR QUOTATION ON LINE

HSCC/PUR/PALI/ Anatomy/ Quot/01

Dated: 24/10/2017

To

All Bidders

Subject: Invitation **on line** for Quotations for supply of Low Equipment for **Anatomy** for Medical College, at Pali, Rajasthan.

Dear Sirs,

1. HSCC (India) Ltd. for and on behalf of Medical College, at Pali, Rajasthan. invites your **on line** most competitive quotation for the following goods of the respective departments quantity mentioned the **section I** and technical specification mentioned in the **section II**.
2. Quotation:
 - 2.1 The contract shall be for the full quantity as described above.
 - 2.2 Corrections, if any, shall be made by crossing out, initialling, dating and rewriting.
 - 2.3 The **on line** prices quoted by the bidder shall be fixed for the duration of the contract and shall not be subject to adjustment on any account.
 - 2.4 The unit price/ rate of the item should be clearly indicated in the quotation. Rates/Prices quoted shall be including of forwarding, and insurance & transportation, warranty, but **excluding GST** up to the consignee **Medical College, at Pali, Rajasthan**.
3. Each bidder may quote one item or more than one item as per **section III (Price format) with equipment technical literature**.
4. Evaluation of Quotations:

The Purchaser shall evaluate and compare the quotations determined to be substantially responsive i.e. which;

 - 4.1 are properly signed; and
 - 4.2 confirm to the terms and conditions, and specifications.
 - 4.3 final considerations of equipments shall be based on the quality of equipments during demonstration / inspection.
 - 4.4 The quotation will be evaluated and compared separately for each item.
 - 4.5 The Purchaser reserves the right to ask for a free demonstration/ sample approval of the quoted equipment at a pre determined place acceptable to the purchaser for technical acceptability as per the tender specifications, failing which bid may not be consider.
5. The Quotations would be evaluated item wise.
6. Award of contract:

The Purchaser will award the contract to the bidder whose quotation has been determined to be substantially responsive and who has offered the lowest rate for the item subject to quality of the items during demonstration / inspection.

 - 6.1 Notwithstanding the above, the Purchaser reserves the right to accept or reject any quotations and cancel the bidding process and reject all quotations at any time prior to the issue of Purchase Order/contract, without assigning any reason.
 - 6.2 At the time of awarding the contract, the purchaser reserves the right to increase or decrease by up to twenty five (25) per cent, the quantity of goods and services mentioned in the schedule (s) in the "List of Requirements" (rounded of to next whole number) without any change in the unit price and other terms & conditions quoted by the tenderer.
7. Delivery period shall be within **10 days** from date of placement of order at Consignee i.e. **Medical College, at Pali, Rajasthan**.

8. Payment shall be made only in Indian Rupees as follows:
Satisfactory Acceptance and delivery - 100% of total cost

100% Payment on submission of following documents (Duly signed & stamped at your end):-

- Copy of Purchase order.
- Final acceptance certificate issued by Client/HSCC
- Invoice in favour of consignee/MEDICAL COLLEGE, AT PALI, RAJASTHAN through HSCC (I) Ltd
- Warranty Certificate in original.

9. All supplied items shall be under **one year warranty** from the date of successful acceptance by **MEDICAL COLLEGE, AT PALI, RAJASTHAN**.

10. You are requested to provide your lowest offer as follows:

Sr. No.	Item no	Name of items	Closing date & time for submission	Date and time of Opening of Techno
1.	Dept. of Anatomy	As per list	2 nd Nov. 2017 at 14:00	2 nd Nov. 2017 at 14:30

NOTE: (Under any unforeseen circumstances if the due date for submission of Tender is declared as holiday then the tender shall be submitted & opened on the next working day at the scheduled time).

The quotations will be opened in HSCC office, NOIDA as mentioned above in the presence of bidders or their authorized agents as they may choose to attend

11. Information brochures/ Product catalogue, if any, must be accompanied with the quotation clearly indicating the model quoted for.
12. Sealed quotation to be submitted/ delivered at the address mentioned below:

On line submission: Quotation Form duly signed & filled and Technical compliance sheet with technical leaflets and Price Bid /Financial Bid

**General Manager (Projects)
HSCC (India) Ltd.
E- 6 (A), Sector -1.NOIDA –201 301.**

13. Quoted amount should be in Indian Rupees only and as per **section –III** price schedule.
14. For all items, the Technical Evaluation Committee may opt for Demonstration of the items. The Committee may also ask for Demonstration / Inspection before supply / delivery of the items for quality assurance.

Note: Please indicate the quotation reference no. (given at the top of page 1 of this letter) and Serial No of the Items on your offer.

The details of various medical equipments shall be also made available at www.hsccltd.co.in, and modification/amendments etc, if any, shall only be notified on website only.

We look forward to receiving your quotation and thank you for your interest in this project.

General Manager (Projects)
On behalf of Additional Director Medical Education, Jaipur, Rajasthan

Section -I

LIST OF ITEMS & QUANTITIES

Sr. No	Name of Equipment	Qty	Warranty from date of acceptance
1	Dissection Table with stainless steel top. Approx Dimension 6' 1"x2'x3'	12	1years
2	Dissection Table with stainless steel, Half standard size.	4	
3	Embalming Table	1	
4	Hand saw	3	
5	Bone & Meat Cutting Machine for Thin Body Sections	1	
6	Brain Knife (Handles & Blades)	2	
7	Simple SS Stretcher trolley for cadaver transport	2	
8	Embalming Machine	1	
9	Dissecting instruments	10	
10	Incubator	1	
11	Hot Air Cover	1	
12	Electrically Operated Hand drill	2	
13	X - Ray Viewing Lobby (4 films View)	3	
14	Microtome, Sedge, Large cutting	1	
15	Slides Cabinets - (Horizontal Manner).	4	
16	Skeletons articulated with Box	5	
17	Manual Rotary Microtome	1	
18	Slide Rack	1	
19	Paraffin Embedding System	1	
20	Plastic Tanks for storing soft and dissected parts	8	
21	Rectangular Hot Plate	1	
22	Dissection Microscope	3	
23	Diamond Pencil	4	
24	7 colour Marking Pencil	2	
25	Skelton Disarticulated	15	
26	Department of Anatomy Charts	1 Each	

Section II

Technical Specification of Equipments

1. Dissection Table with stainless steel top.

1. Approximate Dimension:- **6'1" x 2' x3'(ht)**.
2. The stainless steel top shall be of 18 gauge
3. It should be made of stainless steel (steel grade 304) with a frame made of rugged torsion resistant Stainless steel profiles. Tabletop depth should be of approx. 15mm sloping towards the drain.
4. The table top shall have raised border (1 inch ht and 1.5 inch breadth) on all sides made of stainless steel.
5. The top should rest on MS angular frame.
6. The Frame and top should be supported by SS tubular pipe of 16 gauge and shall not have castors.
7. The table shall have drawers for keeping instruments.
8. 10 litre removable container with bayonet lock, mounted beneath the down spout, should be attached to a rack in the base frame. The container shall be removable so as to simplify the cleaning of container.
9. The following things must be provided
 - a. Stainless Steel Bucket with handle 50 Ltrs
 - b. Headrest
 - c. Body support shim.
10. ISO 13485 certification shall be provided.

2. Dissection table- Half Standard size

1. It should have Approximate Dimension:- 4ft X 2ft X 3ft (L x W x H)
2. The stainless steel top shall be of 18 gauge
3. It should be made of stainless steel (steel grade 304) with a frame made of rugged torsion resistant Stainless steel profiles. Tabletop depth should be of approx. 15mm sloping towards the drain.
4. The table top shall have raised border (1 inch ht and 1.5 inch breadth) on all sides made of stainless steel.
5. The top should rest on MS angular frame.
6. The Frame and top should be supported by SS tubular pipe of 16 gauge and shall not have castors.
7. 10 litre removable container with bayonet lock, mounted beneath the down spout, should be attached to a rack in the base frame. The container shall be removable so as to simplify the cleaning of container.
8. The following things must be provided
 - a. Stainless Steel Bucket with handle 50 Ltrs
 - b. Headrest
 - c. Body support shim.
9. ISO 13485 certification shall be provided.

3. Embalming Table

1. Approximate Dimension:- **6'1" x 2' x3'(ht)**

2. The stainless steel top shall be of 18 gauge
3. It should be made of stainless steel (steel grade 304) with a frame made of rugged torsion resistant
4. Stainless steel profiles.
5. The table top shall have raised border (1 inch ht and 1.5 inch breadth) on all sides made of stainless steel.
6. The table shall have foldable arm rest which can be extended outwards, so as to tie stretched arms of cadaver.
7. The Table shall have provision to keep the embalming machine under the table on a stand
8. The top should rest on MS angular frame.
9. The Frame and top should be supported by SS tubular pipe of 16 gauge and shall have quality castors with locking systems
10. ISO 13485 certification shall be provided

4. Hand Saw(Stainless steel)

1. It shall be made of high carbon steel blades made at HRD to 52 degrees.
2. Blades shall be antirust, hard and durable.
3. Blades shall be chrome plated.
4. Shall be ISO certified.

5. Bone & Meat Cutting Machine for Thin Body Sections.

This for preparing specimens of large size in Anatomy Departments.

It should be fitted with a large moving table and extension table operated on four ball-bearing rollers.

Specifications :

1. Saw (blade) and Table top should be made up of Stainless Steel 304. The steel shall be thick (18 gauge or less)
2. The Size of cutting table shall be 780 × 580 mm approx.
3. Total Table Travel shall be 1245 mm approximately
4. Extension Table shall be 455 × 760 mm approximately
5. The Size of Wheel shall be 455 mm approx.
6. Height shall be 1700 mm approx
7. 5% of standard deviation is allowed for sizes
8. Motor Capacity : 2 H.P ISI Make. Certificate shall be attached
9. The table shall be Supplied with five blades, two starters, cord and plug.
10. Suitable to work on 220 V, single phase, 50 Hz, AC supply.
11. ISO certification shall be submitted.

6. Brain Knife (Handles and Blades).

1. The handle shall be autoclavable and chemical resistant.
2. It shall be made of stainless steel and both edges of the blade shall be sharp, so as to prevent the damage to the tissue.

7. Simple S.S. Stretcher trolley for cadaver transport :-

1. It shall be made of strong steel tubular frame work of trolley mounted on four 150mm diameter swiveling castors.
2. It shall have removable stretcher top made of S.S. sheet (18 gauze) supported on tubular frame.
3. The frame shall be Pre treated and epoxy powder coated.
4. Over all approximate size:2030mm(L)X560mm(W)X820mm (H).
5. Company Shall be ISO certified.

8. Embalming machine.

1. Fluid delivery rate should be 10 ltrs/hr.
2. Inner tank to store embalming fluid with capacity 10-15 ltrs.
3. Should be of stainless steel.
4. Pump: pump should be of electromagnetic/ diaphragm dosing pump with capacity 0-5 ltrs Per hour and pressure 3 kg/cm square.
5. The equipment should be mounted on castors for easy movement and the hand grip should be provided for lifting.
6. I.V. stand fixed for mounting cannula tubing and mains cable.
7. Indicator for mains on & in use should be present.
8. The outer body should be of complete stainless steel.
9. Power supply: 220 V AC with trip facility.
10. Motor - ½ HP or above.
11. The motor shall have speed regulator to run machine at various speeds.
12. ISO and CE certified.

9. Dissecting instruments.

1. Shall be Made of stainless steel (Long surgical scissors, Short surgical scissors, Long and Short curved surgical scissors, Tissue holding forceps, Long forceps, Short forceps, Tooth forceps, scalpel) and magnifying lens.
2. Shall be ISO certified
3. The complete kit shall be given in easy to carry bag.

10. Incubator.

1. Shall have temperature range from room temp.to90°C. Shall be double walled and double door with glass window
2. Inner chamber shall be of stainless steel sheet.
3. Shall have heating elements at three sides.
4. Shall have power indicator bulb.
5. Shall have ON/OFF switch & power cord.
6. The approximate size shall be 450x450x450mm (18"x18"x18").

11. Hot air cover for drying slides (45°C).

1. The Size shall be 18"x12"
2. The top shall be made of stainless steel and epoxy coated.

12. Electrically operated hand drill.

1. It should Comprise saggital saw head piece, mini hand drill with set of four drill bit
2. Electrical 220 volts complete with bits Jacob chuck and key foot operated.
3. It shall be designed in line with defined safety standards and for cadaver use.
4. It Shall be ISO certified.

13. X – Ray Viewing lobby (4 Film View) View Boxes.

1. View boxes shall be Easy to install
2. Design shall be slim i.e 2.5cm or 3 cm thick.
3. It should have LED Lamps.
4. The thermometric scale of the light source should be over 9000 degrees of Kelvin.
5. The panel shall be made of Acrylic.
6. There should not be any dark spot in the viewing area.
7. It should have Built-in electrical source.
8. Dimension W×H×T(mm) 1640×545×25
9. Visual size W×H (mm) 1500×440
10. Type of light source HIGH LUMINANCE LED, 100000 Hours
11. On/Off Control Individual Panel On/Off Control.
12. Film Activation Switch.

14. Microtome, Sledge, large Cutting.

1. Shall be A. O. spencer
2. Shall be Sturdy streamlined rigid construction.
3. The cut section shall be from one microns to 50 microns in steps of one micron.
4. Total feed excursion shall be 28 mm.
5. Shall have Ball and flange type object lamp accommodates specimen upto 32 x 37 mm.
6. Shall have Independent feed mechanism with automatic feed release safety device.
7. Shall have Counter balanced drive wheel with looking device.
8. Knife shall be manufactured from highest quality fine grained carbon steel.
9. Accessories :
 - a. 3 Object holders.
 - b. 1 Knife 120 mm with Back and handle.
 - c. 1 Large hone for honing
 - d. 1. Leather strap for sharp edge honing.

15. SLIDE CABINETS-(HORIZONTAL MANNER) :-

1. For safe and easy handling of 75 × 25 mm Slides. Made of seasoned wood. Well designed for its performance, durability and appearance.
2. Shall have doors fitted with handle, lock and key.
3. The anodized seamless moulded (die-pressed) aluminum slide strays for holding 75 × 25 mm slides, have been arranged separately so as not to disturb other compartments while taking out or putting in the slides.
4. The usual size of the tray is 335 × 230 × 35 mm and is properly fitted with uniformly slotted aluminum carriers in four rows, each holding 50 Slides i.e. each tray holds 100/200 Slides in horizontal position and is fitted with index holder.
5. Slide holding slotted rows are numbered 1 to 50 to identify the slides.

16. Skeletons articulated with Box

1. The articulated adult skeleton should be ideal for teaching the basics of human anatomy.
2. The model should be replica of a life size human skeleton and should show all skeleton part in high details .
3. The arms, legs and skull cap should be removable for study.
4. Should be made of washable and unbreakable material .
5. All of the joints, sutures, fissure, formina and processes should be portrayed with at most accuracy.
6. Height -170cm (approx.)
7. Should be supplied with 5 caster roller stand
8. Live Demonstration (no Laptop) will be asked prior to opening of financial bid.

17. MANUAL ROTARY MICROTOME.

1. It shall be Manual type with specimen clamps, user selectable coarse feed wheel turn direction, retraction
2. It should have on/off function and blade holder for disposable blades.
3. The vertical stroke of at least 59 mm and horizontal specimen travel range of 25 mm with section
4. specimen size of atleast 40 mm x 40 mm.
5. It should have Ergonomically designed hand wheel grip.
6. Instrument should be able to cut serial sections with setting from 0.5 to 60 micrometers
7. Section increment shall be:-
 - a. from 0 to 2 μm in 0.5 μm steps.
 - b. from 2 to 10 μm in 1 μm steps.
 - c. from 10 to 20 μm in 2 μm steps.
 - d. from 20 to 60 μm in 5 μm steps.
8. The feed shall be manual via coarse feed wheel.
9. It should have Trimming thickness selections: 10 and 50 μm .
10. 5 packets (50/packet) of low and high disposable blades shall be provided with the equipment.
11. Shall be CE and ISO certified.

18. Slide Rack.

1. To keep the slide in vertical position
2. It should be made up of anodized aluminum of good quality.

19. PARAFFIN EMBEDDING SYSTEM.

1. It should have single module design.
2. It should be Electronically controlled for dependability and performance.
3. The heating function shall be controlled by accurate digital thermostat
4. It should have Low and flat work-surface.
5. It should have atleast 4-liter capacity paraffin reservoir.
6. It should have Forceps warmer and illuminated paraffin dispenser.
7. It should have Warming oven with removable shelf and double hinged lid.
8. It should have Wax bath complete with drainage shelf, debris screen, and hinged lid.
9. It should have Heated work area which provides a flat working surface with the excess paraffin draining under the surface into the wax bath;
10. It should have hand and foot switch for activating the dispensing head.
11. It should have Bright illuminations for convenient working.
12. It should have cold plate of area in range of 165-175 sq. in. of efficient refrigerated cooled working
13. surface with removable stainless steel drainage tray beneath.
14. It should have touch-pad for easy temperature setting and monitoring.
15. The various dimensions are accepted with a standard deviation of 5%.
16. Height of Work Surface: Work stage 2.75"(7cm) above countertop
17. Wax Reservoir Dimension (approx): .75"(L) x 4.75"(W) x 4"(D) (19.5 x 12 x 9.5cm)
18. Wax Bath Dimension (Approx): 10.25"(L) x 8.5"(W) x 1.75"(D) (26 x 21.5 x 4cm)
19. Warming Oven Dimension (approx): 6.5"(L) x 7.5"(W) x min 2.5" max 6" (14 - 16.5cm)
20. Cold Plate Dimension (Approx): 11.75"(L) x 14.5"(W) (29.5 x 36.6cm)
21. It should have Temp Ranges with one sided standard deviation of -2°C
22. Wax Reservoirs: 40° - 70°C. Work Surface: 40° - 70°C
23. Wax Bath: 40° - 70°C
24. It should have Cold Plate working surface: ambient to -5°C
25. It should be CE certified.
26. Accessories, spares and consumables
 - a. Spare Bulb - 3
 - b. Thermostats - 1
27. Power input to be 220-240VAC, 50Hz.

20. Plastic tanks for storing soft and dissected parts.

1. Shall be Made of Poly propile size 30"x24"x10" with 10" wide mouth with cover lid.

21. Rectangular Hot Plate

2. Use to heat glassware or its contents
3. Durable cast iron heating element that heats up fast
4. Thermostatic control from simmer to boil
5. Durable and easy to clean spray plastic finish
6. Variable heat control
7. Stainless steel body with top having the diameter 30 cm
8. Temperature and working indicator light
9. Maximum surface temperature 300 c
10. Shall be CE certified.

22. Dissection Microscope

1. Shall have eyepoint lenses 10x and 20x magnification mounted on a jointed arm allowing the whole stage area to be scanned.
2. The wide glass stage has two spring clips and a reversible substage mirror with good illumination giving good lighting of objects in daylight or under artificial light.
3. The rack and pinion mechanism shall be enclosed within the stage support pillar and operated by a knob on either side of the pinion spindle.
4. Shall have detachable rests on either side of the stage providing a steadying support.
5. Shall have wooden storage and carrying case with fitting for lenses, hand rests and microscope
6. The overall height shall be approx 180mm and Stage shall be approx 70 x 90 mm.
7. Shall be ISO/CE certified.

25. Skeleton disarticulated.

1. The model should be replica of a life size human bone and should show all skeleton part in high details.
2. The disarticulated adult bone set should be ideal for teaching the basics of human anatomy
3. Should be made of washable and unbreakable material
4. Live Demonstration (no Laptop) will be asked prior to opening of financial bid.

26. Dept of Anatomy Charts.

1. The charts shall be thick laminated on both side and fixed to a 3 mm hard board with 1 inch wooden framing screwed from back
2. It shall have provision for wall hanging with two hooks
3. The size of each chart shall be: 24" x 36".
4. The printing shall be on photo paper with glossy finish and shall have multicoloured pictorial diagrams/flow chart.
5. List of Charts.

1. The Muscular System
2. The female muscular System.
3. The Skeletal Systems
4. The Vertebral Column
5. Rib, Vertebrae, Sternum & Hyoid Bone

6. The Nervous System
7. The Brain
8. The Anatomy of the Brain
9. The Spinal Nerves
10. The Autonomic Nervous System
11. The Vascular System and Viscera
12. The Heart
13. The Lymphatic System
14. The Human Skull
15. External and Internal Surface
16. The Head and Neck
17. The Respiratory System
18. The Eye
19. The structural Anatomy of the eye
20. The Eye..Anterior & Posterior Chambers
21. The Ear, Nose & Throat
22. The Ear-Organs of hearing & Balance
23. Pharynx & Larynx
24. Anatomy of the inner ear
25. Temporomandibular Joint (TMJ)
26. The Skin
27. The Human Hair
28. The Female Reproductive System
29. The Male Reproductive System
30. Pregnancy & Birth
31. Female Reproductive System
32. The Female External Genitalis
33. Body surface area & body weight
34. Birth Weight
35. Obstetrical Table
36. Critical Stages of foetal Development. 1st. lunar month –10th lunar month
37. The Endocrine System
38. The Shoulder and Elbow (Ligament)
39. Shoulder, Arm, Elbow, Forearm & Hand
40. The Hand and Wrist (Ligament)
41. Anatomy & Injuries of hand & wrist.
42. Ligaments of the Joint.
43. Male, Female Pelvis, Sacrum, Coccyx, Hip and Knee
44. Hip Thigh, Knee and Leg
45. Rib, Verte, Sternum & Hyoid Bone

46. The Foot and Ankle (Ligament)
- 47 Anatomy & Injuries of the foot & ankle.
48. Anatomy & Injuries of shoulder.
49. Anatomy & injuries of Hip.
50. Ankle and Foot
51. Skeletal Maturation & Growth
52. The Digestive System
53. The Liver
54. The Urinary Tract
55. The Kidney
56. The Prostate
57. The Anatomy of the Heart
58. The Portal System
59. Gastroesophageal Disorders and Digestive Anatomy
60. Origin, Development & Structure Cells.
61. Soft Tissues of the Lower Limb
62. Soft Tissues of the Foot
63. Bones of the Pelvis and Lower Limb
64. Varicose Veins
65. (a) External Morphological Features in Male and Female.
(b) Sex differentiating features in Skull
66. (a) Sex differentiating features in Mandible.
(b) Sex differentiating features in Hipe Bone.
(c) Sex differentiating features in Sacrum
67. (a) Sex differentiating features in Articulated Pelvis In addition to those present in hipe bone & sacrum.
(b) Sex differentiating features in femur.
68. (a) Estimation of Age-Ages of Eruption of teeth.
(b) International system of numbering the Teeth
69. (a) Ages of appearance and fusion of different Ossification of bones.
(b) Multiplication factor for different bones for calculation of persons of different part of India
70. Ligaments & Joints.

Section -III

Price Bid

Sr no.	Name of item	Qty	Unit cost (Rs.)	GST/ Sales Tax /service tax		Unit cost included GST/ Sales Tax /service tax (Rs.)	Total cost included GST/ Sales Tax /service tax (Rs.)
				%	Amount (Rs.)		
				a	b		
1							
2							

Note:

1. Total cost of all items shall be included of all packing & forwarding, freight charges & insurance from ware house to consignee at **Medical College Pali**, local tax, entry tax, duties, **one year warranty**, VAT/ taxes /GST and other levies payable by the supplier under the contract.
2. Bidder shall fill all cost i.e. a,b,c... failing which it will presumed that the same is inclusive in the total price and nothing will be paid on this account extra.
3. Bidder shall mention present rate of GST, failing which it will be presumed that the same is inclusive in the total price and nothing will be paid on this account extra.
4. If there is a discrepancy between the unit price and total price THE UNIT PRICE shall prevail

**Final Acceptance Certificate Handing over]
(To be given by consignee's authorized representative)**

The following store (s) has/have been installed & commissioned in good working satisfactory condition:

1. Contract No. & date :
2. Supplier's Name :
3. Consignee's Name & Address :
4. Name of the item supplied :
5. Date of Handed over to consignee :
6. Name consignee /HSCC Representative :
7. Signature of consignee/HSCC Representative :

8. Seal of the Consignee :