

INVITATION FOR QUOTATION ONLINE

FOR
AIIMS, RAEBARELI
UNDER
MINISTRY OF HEALTH & FAMILY WELFARE,
GOVT. OF INDIA



HSCC (INDIA) LTD
(A GOVERNMENT OF INDIA ENTERPRISE)

Plot No. 6-A, Block-E, Sector-1,
NOIDA (U.P.) - 201 301
PHONE: 0120-2540153
FAX: 0120-2542447
URL: www.hsccltd.com

HSCC/PUR/LOW VALUE/AIIMS-RAEBARELI/ANATOMY

INVITATION FOR QUOTATION ON LINE

HSCC/PUR/Low Value/ Anatomy/ Quot/01

Dated: 09.07.2019

To

All Bidders

Subject: Invitation for **on line** Quotations for supply of Low Value Equipment For **Anatomy** for Medical College AIIMS, Raebareli

Dear Sirs,

1. HSCC (India) Ltd. for and on behalf of AIIMS, Raebareli, Autonomous Body under Ministry of Health & Family Welfare, Government of India 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, including **GST** up to the consignee **AIIMS Raebareli, Uttar Pradesh**.
3. Each bidder may quote one item or more than one item as per **section IV (Price format) with equipment technical literature along with Catalogue / Literature as per Section - III**.
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 during Technical evaluation process, failing which bid may not be consider further.
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 technical acceptance 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 the quantity of goods and services mentioned in the schedule (s) in the

“List of Requirements without any change in the unit price and other terms & conditions quoted by the tenderer.

7. Delivery period shall be within **8 days** from date of placement of order at Consignee i.e. **AIIMS Raebareli**, Uttar Pradesh.

8. Payment shall be made only in Indian Rupees as follows:

Satisfactory Acceptance - 100% of total cost

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

- Copy of Purchase order.
- Consignee Receipt Certificate / Final acceptance certificate issued by Consignee/ Client/HSCC
- Invoice in favour of consignee i. e AIIMS RAEBARELI through HSCC (I) Ltd
- Warranty Certificate in original.
- Copy of Insurance Certificate.

9. All supplied items shall be under **one year warranty** from the date of successful acceptance by **AIIMS RAEBARELI**.

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	17.07.2019 at 15:00	17.07.2019 At 15:30

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 Online 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. Online quotation to be uploaded along with the mentioned below:

I. PRODUCT SPECIFICATIONS: (As per Section - III)

- Brand/model name and type of Product being offered by the Firm must be clearly mentioned in the offer.
- Tenderer should confirm that the stores offered conform to relevant specifications asked in this Tender Enquiry Document at **Section-III**. The firms are advised to submit the compliance statement with respect to technical specification asked in the tender enquiry in the following format as per **Section - III** along with Technical bid failing which their offer will **be treated as incomplete and are liable to be ignored.**
- Deviations, if any, are to be clearly mentioned. Complete product specifications, technical details, illustrations, literature, printed pamphlets/leaflets etc. must accompany the Online quotation.

13. Quoted amount should be in Indian Rupees only and as per section -IV price Schedule format.

14. For all items, the Technical Evaluation Committee may opt for Demonstration of the items. The expenditure incurred for demonstrating the items will be borne by the supplier. The Committee may also ask for Demonstration / Inspection before supply / during delivery of the items at site for technical acceptance.

15. **LIQUIDATED DAMAGES:**

In the event of placement of an order, if the Supplier fails to deliver, install and commission the stores in full or part thereof within the delivery period as stipulated time i.e 8 days, the Purchaser reserves the right to levy Liquidated Damages @ 1% per week of the amount of the undelivered stores for delay in supplies subject to maximum 10% of value of the supply Order. Once the maximum is reached, the purchaser may consider termination of the contract and purchase the same from elsewhere, at the risk and cost of the Supplier.

The details of Online Invitation for Quotation has been made available at www.hsccltd.co.in, www.tenderwizard.com/HSCC, CPPP Portal and prospective bidders are advised to regularly scan through HSCC E-tender portal www.tenderwizard.com/HSCC, www.hsccltd.co.in, CPPP Portal as corrigendum/modification/amendments, if any, will be notified on these portal only.

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

General Manager (Proc)
On behalf of AIIMS, Raebareli
Under Ministry of Health &
Family Welfare

SECTION - III**Format of compliance statement:**

Sr. No.	Para of Tender Enquiry specification	Make	Model	Compliance to Tender enquiry Specification Yes/ No	In case of non Compliance deviation From T/E Specification to be indicated in Unambiguous terms
1.					
2.					
3.					
4.					

SECTION -I**LIST OF ITEMS & QUANTITIES****ANATOMY**

Sr. No	Name of Article	Qty Required
2	Dissection Table - Small	4
3	Drill machine	2
4	Hand saw, preferably metal	3
5	Band saw for sectioning body and limbs	1
6	Brain knife	2
8	Storage tank to hold 10 cadavers, static/movable, durable tank with input and output facility with lid	4
9	Plastic tanks for storing soft and dissected parts.	8
10	Multimedia Projector with screen	2
11	Trolley for Cadaver Transportation (Steel)	2
12	Movie camera with projection screen	1
14	X-ray viewing lobby	3
16	Charts, Diagrams, Models, Slides etc.	Price to be quoted separately for Individual Charts, Models Diagrams etc

B. HISTOLOGY Laboratory

Sl.No.	Name of the Article	Quantity
2	<i>Dissection microscope</i>	3
3	Microtomes, rotary (Optional)	1
4	Microtomes, Sledge, large cutting	1
5	Cabinet for slides (1000)	4
6	Incubators	1
8	Hot plates	1
9	Hot air oven for drying slides (45 oC)	1
10	Refrigerators	2
11	marking pen	2

ANATOMY MUSEUM

Sl.No.	Name of the Article	Quantity
4	Steel racks	1
8	Glass Jars	100 No. of Diff. Sizes

Section II

Technical Specification of Equipments

Item No. 02

DISSECTION TABLE - SMALL

- 1 Technical Specification
 - 1.1 Approximate Dimension:- 4ft X 2ft X 3ft (L x W x H)
 - 1.2 It should be made of stainless steel (steel grade 304) with a frame made of rugged torsion-resistant stainless steel profiles.
 - 1.3 It should have 4 solid rubber swivel locking castors
 - 1.4 Tabletop depth should be of approx. 15mm sloping towards the drain.
 - 1.5 Large radii on all inside corners should be provided for easy cleaning.
 - 1.6 10 litre removable container with bayonet lock, mounted beneath the down spout, should be attached to a rack in the base frame.
 - 1.7 Airtight compartment should be mounted beneath the table top to serve as an odour-free storage of drapes.
 - 1.8. It should have stainless steel full extension drawer and a removable stainless steel tray provided with a perforated plate and a removable lid
2. System Configuration Accessories, spares and consumables
 - 2.1 Stainless Steel Bucket 50 Ltrs
 - 2.2 Headrest
 - 2.3 Body support shim.

Item No. 3 Hand drill machine with set of bits

Technical Specifications:

1. The table top drill mounted on stand should have spring loaded lever of high quality.
2. Should have variable speed operation, high speed drill.
3. The single phase ac motor should have approx 690 W.
4. It should be compact with overall length (320mm Approx.) and weight (Approx. 1.8Kg)
5. Aluminum die-casting inner cover and gear cover should be used for increased durability.
6. Should be easy-to operate with a 2-finger sized trigger switch and a speed control dial
7. It should have a reliable and convenient push button type forward/reverse changeover switch.
8. Should have 2-speed transmission.
9. shortest chuck offset (23.5mm(15/16"))
10. It should have soft grip handle for comfortable operation
11. It should have low operation noise 79dB
12. To be provided with high speed tungsten carbide bits of 1/2", 3/8", 1/4", 3/16", 1/8" or equivalent mm size.

Item No. 4 - Hand saw

1	Technical Specifications
1.1	Should be high carbon steel blades , hard and durable, anti rust and smooth, which leads
1.2	Blades should be chrome plated to prevent body fluid /chemical corrosion.

1.3	For HRC, Blade materials should reach 52 degrees and teeth reaches 60 degrees (+
1.4	Chrome treatment, antirust smoothening should be done to reduce the friction
1.5	It should have strong handles.
1.6	It should be ergonomic and rust proof.
1.7	Special teeth design which should be sharp at edges
1.8	Should be supplied with essential accessories

Item No. 5 - Band saw for sectioning body and limbs

Technical Specifications:

1. Body & meat cutting band saw
2. It should attach with a large movable stainless steel work table (electrically powered)
3. It should be fitted with 1 H.P. motor , 50 Hz,230V
4. Should be supplied with stand, protection and spare blades (2nos.)

Item NO. 6 - BRAIN KNIFE(S.S.) SLICING / MEAT KNIFE

S.I.No	BRAIN KNIFE(S.S.) SLICING / MEAT KNIFE
1	Technical Specifications
1.1	Knives should have premium quality. Standard size for anatomy lab.
1.2	It should be high quality stainless steel with heat-treated and tempered blades.
1.3	The blade should be sharp and easier to re-sharpen.
1.4	Handle material should be selected from natural or synthetic materials, providing the best appearance and performance or it should be of S.S. to prevent corrosion.

Item No. 8 Storage tank to hold 10 cadavers, static/movable, durable tank with input and output facility with lid

Concrete:

1. Each should be capable of storing at least 5 cadavers
2. Preferably made up of concrete with input and output facilities.
3. Should have lid facility
4. Should be leakage free
5. Dimensions : Inner length – 10 ft x inner width – 3 ft x inner height – 2 ft 5 inches wall thickness – 7 inches Floor thickness – 2 inch

OR

Mobile / Static

1. Self supporting structure made of stainless steel 1.4301 (AISI 304)
2. Tank should have racks with perforated trays, all made of stainless steel with lifting system operated by hydraulic actuators.
3. Dimension: 1100-1150x2550-2650x2400- 2550 mm (LXWXH)
4. Capacity of 4 – 6 bodies

5. Base of Tank with adjustable feet with self supporting construction
6. Facility of remote control for opening and closing of tank
7. Should be leakage free
8. Should have proper lid system with High Quality isolation seal.
9. Edges should be at least a space of 5 cm between tray and the floor of the tank
10. Bottom of tank should be tilted towards drainage
11. There should be atleast a space of 5 cm between tray and floor of the tank
12. Load capacity of more than 100 kg per body tray
13. Warranty of 2 years after installation

Item No. 9 - Plastic tanks for storing soft and dissected parts.

HDP tanks for keeping the organs with rib reinforcement.

Item No. 10 . Multi Media Projector

1. Brightness of 4000 luminous
2. There should be facility for Zoom
3. Minimum life of Projection lamp (in normal mode)- 5000 Hours
4. There should be facility of inbuilt speaker
5. The system should have storage media
6. Warranty of Minimum 2 years
7. The system should have HDMI/DVI port
8. Video Compatibility – PAL
9. It should have resolution of 1280 x 800 (W XGA)
10. Warranty 2 years

Screen

1. Manual projection Screen (Wall Mounted)
2. Should be easily mounted to walls with provided brackets
3. Dimension : 71 x 60 (Inches) (L X B)
4. Made of high quality durable components
5. Warranty 1 years

ITEM No. 11

TROLLEY FOR CADAVER TRANSPORT

S.I.No	TROLLEY FOR CADAVER TRANSPORT
1	Trolley with strong steel tubular frame work mounted on four sturdy swivelling castors with all steel parts Powder coated.
2	Removable stretcher top, with frame should be made of S.S, supported on tubular frame.
3	Frame should be properly pre treated and epoxy powder coated.
4	Overall Approximate Size: 2030 mm (L) x 560 mm (W) x 820 mm (H)

ITEM No. 14

X-RAY VIEWING LOBBY

1. Panel Side by Side X-Ray View Box Illuminators; High quality with aesthetic finish.
 2. Should have the following Standard Features:
 3. LED light source (blue type) lasting several thousand hours.
 4. Roller gravity film holding system
-

5. Durable steel construction
6. Thin 3" profile
7. Chip resistant hospital white finish
8. Continuous bottom film ledge
9. Even view reflective system, with white acrylic translucent surface.
10. Centralized cluster On/Off switching
11. Optional Features:
12. FAS – Film Activated Switching
13. MS - Master Switch
14. HGP - Hospital Grade Plug Specs: Surface Wall Mount 3 Panels Side by Side 56" x 17" Viewing Area.
15. Overall Dimensions approx: 56" (L) 21" (H) 3 3/8" (D) (approx.)
16. Illumination: 2000 cd/m²
17. It should be aesthetic and high quality, thin type and mountable on wall.
18. Power Supply
19. Power input to be 220-240VAC, 50Hz.

Item No. 16**CHARTS**

All should be 26" x 20" sized, multi color, thick laminated, wall hanging type charts with rollers on upper and lower end.

NAME OF CHART CHARTS**ON ANATOMY**

1. The Muscular System
2. The Skeletal Systems
3. The Vertebral Column
4. Rib, Vert, System & hyoid Bone
5. The Nervous System
6. The Brain
7. The Anatomy of the Brain
8. The Spinal nerves
9. The Autonomic nervous System
10. The vascular System and Viscera
11. The Heart
12. The Lymphatic System
13. The Human Skull
14. Skull External and Internal Surfaces
15. The Head and Neck
16. The Respiratory System
17. The Eye
18. The structural Anatomy of the eye
19. The Eye. Anterior & Posterior chambers
20. The Ear, Nose & Throat
21. The Ear - Organs of hearing & Balance
22. Pharynx & Larynx
23. Anatomy of the inner ear
24. Temporomandibular Joint (TMJ)
25. The Skin
26. The Female Reproductive System
27. The Male Reproductive System
28. Pregnancy & Birth
29. Female Reproductive Systems (Ant. & Patho)
 30. The Female External Genitalis (Ant.& Patho)
 31. Body surface area & body weight
 32. Birth Weight
 33. Obstetrical Table
 34. Critical Stages of foetal development. 1st.lunar month - 10th lunar month
35. The Endocrine System
36. The Shoulder and Elbow (Ligament)
37. Shoulder, Arm, Elbow, forearm & Head
38. The Hand and Wrist (Ligament)
39. Male, Female pelvis, Sacrum, Coccyx, Hip and Knee
40. Hip Thighs, Knee and Leg
41. The Foot and Ankle (Ligament)
42. Ankle and Foot
43. Skeletal Maturation & Growth
44. The Digestive System
45. The liver

-
46. The Urinary Tract
 47. The Kidney
 48. The Prostate
 49. The portal System
 50. Gastroesophageal Disorders and Digestive Anatomy
 51. Origins, Development & Structure Cells
 52. Soft Tissues of the Lower Limb
 53. Soft Tissues of the Foot
 54. Bones of the pelvis and Lower Limb
 55. Varicose Veins
 56. (a) External Morphological Features in Male Female (b) Sex Differentiating Features in Skull (One Chart)
 - 57 (a) Sex Differentiating Features in Mandible.
(b) Sex Differentiating Features in hip Bone.
(c) Sex Differentiating Features in Sacrum (One Chart)
 - 58 (a) Sex Differentiating Features in Articulated pelvis In addition to those present in hip bone & sacrum.
(b) Sex Differentiating Features in Femur (One Chart)
 - 59 (a) Estimation of Age-Ages of Eruption of teeth
(b) International system of numbering the Teeth (One Chart)
 - 60 (a) Aged of appearance and fusion of different Ossification of bones

(b) Multiplication factor for different bones .for calculation of persons of different parts of India (One Chart).

Item No. 16

MODELS

ANATOMY

1. Model of Man or Woman....(Normal Size)....Adult
Showing superficial dissection on one side. And other side intact.
Arms and legs are detachable. The internal organs in abdominal & thoracic wall are shown in situ and they are detachable.
2. Human Torso with Head Life size. (Male or Female)
Height 38 inches excluding arms & legs. Showing superficial dissection on one side and other side intact. The internal organs in abdominal & thoracic wall are shown in situ. Half of the skull cap can be removed and brain can be taken out.
3. Principal Structures found within tissue Cells
4. Head and NeckLongitudinal Section of Head and Neck
5. Brain with Skull
6. Brain in 4 Parts
7. Nervous system
8. Mid sagittal Section through the Brain
9. Structure of the Cerebellum.
10. A Superior View. An Interior View. A Sagittal View
11. Sagittal section through the Medulla Oblongata and pons showing
12. The Cranial Nerve Nuclei of Gray Matter
13. The Autonomic Nervous System
14. Spinal Cord with Spinal Nerves
15. Stretch Reflex
16. Tendon Reflex
17. Flexor (Withdrawal) Reflex

18. Crossed Extensor Reflex
19. Spinal nerves of the hand Anterior View
20. Spinal nerves of the leg. (Distribution of Nerves from Lumbar & sacral Plexuses)
21. Posterior view of the brain Stem
22. Lymphatic System

Types of Neurons

23. Multipolar Neuron. Bipolar Neuron. Unipolar Neuron
24. Reflex Arc. Including the Sensory receptor, Afferent Neuron, Association Neuron, Efferent neuron and Effector organ.
25. Converging Circuit in the Spinal Cord
26. Diverging Circuit in the spinal Cord
27. Ascending Pathway: The Dorsal Column Descending Pathway: The Pyramidal System (2 Models)
28. Somaesthetic pathway
29. Relationship of the Lymphatic System to the Cardio vascular system.
30. The cervical sympathetic Ganglia
31. Human Eye ... Vertical SectionGreatly Enlarged Showing Muscle, Optic Nerves, Crystalline Lens, Iris, Cornea etc..
32. Human Eye ball.... 100 times enlarged (Detachable)
33. Visual Central nervous System pathways (Superior View)

-
34. Ear ... Large Size ... Dissectible in 4 parts
 35. Structure within the inner ear including the cochlea & Vestibular Apparatus
 36. Ear ... Sagittal Section ... On board. (External, middle & Inner Ear)
 37. Larynx.... Anterior View, Posterior View, Side View, Cut away Side View & Sagittal Section (5 Models)
 38. Functional Model of Larynx...
 39. LarynxDeep side-View
 40. The Pharynx.....Posterior View
 41. PharynxSagittal Section
 42. Tonsils Pharyngeal, Palatine & Lingual Tonsil
 43. Teeth (Lower jaw) with structure shown
 44. the Structure of tooth
 45. The Cavity in tooth
 46. The Tongue Dorsal Surface
 47. Pituitary Gland Hypothalamus
 48. Thyroid & Parathyroid Glands
 49. Sagittal Section through Nasal Cavity and Pharynx Viewed From medical Side
 50. Lungs One side sectioned with Respiratory Tract, Bronchial Tubes, Arteries & Veins
 51. Pulmonary circulation
 52. The Respiratory System
 53. Liver Enlarged showing Gall Bladder
 54. Liver with Gall Bladder & Pancreas (On Stand)
 55. Blood Supply of the Liver
 56. Duct System with Gall Stones in common sites
 57. Duct Hepatic Portal System
 58. Endocrine System
 59. Pancreas Enlarged
 60. Structure of the pancreas
 61. Stomach.....Enlarged.....with duodenum, sectioned showing details
 62. An Anterior view of Abdominal aorta & its principles branches
 63. Spleen..... Normal size with details
 64. Gall bladder, Pancreas & Duodenum
 65. Blood supply of the Intestine
 65. Rectum (Anal Canal)
 67. Large Intestine
 68. Small Intestine.
 69. The Digestive System
 70. Heart EnlargedSeparable in 4 Parts
 71. Fat depositions in the arteries
 72. Death of an Artery.
 73. Artery section with Blockage. (Plaque built up on artery body)
 74. Principal Arteries of the body.
 75. Principal Veins of the body .
 76. Veins that drain the head & Neck
 77. An Anterior view of the Veins that the upper right extremity
 78. Veins of the lower Extremities.
 79. Circulatory System
 80. Relationship of the lymphatic system to the Cardio vascular system.
 81. Fetal Circulations
 82. A Schematic Model of Circulatory System
 83. Arteries of the Neck and Head. Major branches of the right Common carotid and right subclavian arteries
 84. An Anterior view of the Major Arteries of the Upper Extremity

-
85. Arteries of the pelvic Region
 86. Arteries of the right lower Extremity (Anterior view & posterior view)
 87. Urinary System With Kidney and Urinary Bladder
 88. Kidneyin 2 Parts.....on stand
 89. Blood supply of the kidney
 90. Urinary BladderSectioned
 91. testisX Section
 92. Cross Section of the Penis..... Anterior view (Oblique section)
 93. Structure of the Penis showing the Attachment, Blood & Nerve supply and the arrangement of the erectile tissue
 94. Longitudinal Section of the Female Urethra
 95. Organs of the Male Reproductive System.(A Sagittal View)
 96. Organs of the Female Reproductive System (A Sagittal Section)
 97. The Size & Position of the Uterus in a full term Pregnant Woman in a Sagittal Section
 98. UterusSagittal Sectionwith fallopian tube with details
 99. Uterus in section showing sperm & Ovum in process of Fertilization.
 100. Ovarian Cycle, Fertilization and the Morphofenic events of the first week.
 101. Blood supply of the uterus.
 102. Vascular Supply to the Uterus
 103. Tubal Ligation involves removal of a portion of each uterine tube.
 104. Structure of the Breast and Mammary glands (A sagittal section and anterior view partially sectioned)
 105. The skin 1000 times Enlarged
 106. Types of Skin Lesions.....Macule, Papule, Nodule, Wheel, vesicle, Intra or Sub epidermal blister, Pustule, Cyst, fissure and Ulcer
 107. Bone Structure..... Cross Section
 108. Hair Structure.....Cross Section
- Anatomy & Physiology of Pregnancy**
109. Human Ovum Enlarged
 110. Structure of Human Spermatozoon
 111. Spermatogenesis and Oogenesis
 112. Uterus in section showing Sperm and Ovum in Process of fertilization
 113. Foetal Surface of Placenta
 114. Maternal Surface of Placenta
 115. Breast (Made of fibre Glass Material)
- Before Puberty
- At Puberty
- Adolescent
- Adult, conical type
- Adult, well developed hemispherical type
- In Pregnancy
- In Lactation
- Pendulous, in older multiparous woman
116. Breast in Pregnancy (Made of Silicon Material German-Make) Looks natural, Feels natural.
 117. Gradual Development of Uterus from 1st month to 9 months (9 Models)
 118. Model showing First, Second & third stage of Labour.

MODEL ON ANATOMY (DISSECTION OF UPPER & LOWER EXTRIMITIES)

Made of fibre glass

Material for Understanding dissection

1. Superficial branches of cervical plexus.

2. Dissection of the right mammary gland.
3. Contents of axilla exposed by reflexion of pectoralis major nodes. and the fascia, and removal of fat and lymph. Part of auxiliary vein has been removed to display the medial cutaneous nerve of forearm and ulnar nerve.
4. Lymph nodes and lymph vessels of axilla and mamma.
5. Dissection of auxiliary artery and its branches.
6. Dissection of lower part of posterior triangle of neck showing the supraclavicular part of branchial plexus.
7. Dissection of superficial muscles and nerves of the back.
8. Superficial veins at bend of elbow in a specimen in which the median vein was large.
9. Superficial lymph vessels and lymph nodes of front of upper limb.
10. Superficial lymph vessels of back of upper limb.
11. Superficial veins and nerves of front of upper limb.
12. Superficial veins and nerves of back of upper limb.
13. Deltoid muscle and lateral aspect of arm.
14. Dissection of scapular region and back of arm to show the auxiliary and turned. The lateral head spiral groove on the humerus for the radial nerve
15. Anastomosing arteries around the scapula.
16. Dissection of left cubital fossa. The fat has been removed and the bicipital aponeurosis cut away with the rest of the deep fascia.
17. Dissection of back shoulder and arm. The lateral head of triceps has been divided and turned aside to expose the spiral groove on the humerus for the radial nerve
18. Dissection of superficial muscles, arteries, and nerves of front of forearm. Part of the radial artery was removed to show the muscles deep to it.
19. Deep dissection of muscles, and nerves of front of forearm. The division of the branchial artery is slightly lower than usual.
20. Deep dissection of front of forearm. The elbow is partially flexed, the forearm semi-pronated. The superficial muscles are cut short and turned aside. The deeper parts are still further displayed by the separation of the flexor digitorum superficialis from the flexor carpi ulnaris.
21. Superficial dissection of palm to show the palmar aponeurosis. The deep fascia has been removed from the thenar and hypothenar eminences.
22. Structure in palm displayed by removal of palmar aponeurosis. In this specimen the radial indicis and the princeps pollicis arteries took origin from the superficial palmar arch.
23. Superficial dissection of back of forearm.
24. Deep dissection of back of forearm.
25. Dissection of right forearm triangle.
26. Dissection of adductor canal in the right thigh. A portion of the sartorius has been removed.
27. Scheme of adductor group of muscles and obturator nerve.
28. Dissection of left gluteal region. Gluteus maximus and gluteus medius have been removed, and quadratus femoris has been reflected. In the specimen, the inferior gluteal artery was medial to the internal pudendal instead of lateral to it.
29. Left popliteal region after removal of the deep fascia- the muscles and fat being left undisturbed
30. Dissection of left popliteal fossa. The upper boundaries have been pulled apart and the aponeurosis to which the two heads of the gastrocnemius are attached has been split and the heads separated. For deeper dissection.
31. Dissection of left popliteal fossa. The two heads of the gastrocnemius and portions of the semimembranosus and semitendinosus have been removed. For more superficial dissection.
32. Left popliteal artery and its branches.
33. Dissection of gluteal region and back of thigh.
34. Synovial sheaths of dorsum of foot.
35. Dissection of front and lateral side of leg.
36. Dissection of dorsum of foot.
37. Dissection of showing synovial sheaths of tendons of lateral aspect of foot.

-
38. Superficial dissection of leg viewed from posteromedial side, showing veins and nerves. Note the numerous anastomosis between the great and the small saphenous veins.
 39. Superficial dissection of leg viewed from posterolateral side showing veins and nerves. In the specimen were numerous large anastomosing channels between the small and the great saphenous veins.
 40. Deep dissection of back of leg.
 41. Dissection of medial side of ankle, showing the relations of the flexor retinaculum. (model no.-1)
dissection of leg and foot showing synovial sheaths.(model no.-2)
 42. Superficial dissections of sole of foot to show plantar sponeurosis. The skin and superficial Fascia, except the superficial transverse ligament, have been removed, and the fobrous flexor sheaths partially opened.
 43. Superficial dissection of sole of foot. The plantar aponeurosis has been removed. The abductor digiti minimi and the abductor hallucis have been pulled aside
 44. Dissection of sole of foot. Most of the flexor digitorum brevis has been removed.
 45. Deep dissection of sole of foot.

HISTOLOGY LABORATORY

ITEM No. 2. DISSECTING MICROSCOPE

- A. 1 Eye piece: Straight binocular type wide field (10 x)
 2 Optic carriers with five steps magnification
 3 Fine focusing- manual
 4 Objective 250mm f & 400 mm f
 5 Cold light co-axial illumination additional 10 spare bulbs
 6 Solid metallic body with sturdy stand riding on heavy castor wheels with locking breaks.
 7 Halogen illuminations 150W with power supply.
 8 Should have 3 spare lamps with each unit.
- B. Power Supply
 Power input to be 220-240VAC, 50Hz
 CE or BIS approved product or equivalent.

SCHEDULE NO 3 – Microtome rotator with blades

Rotary microtome complete with standard accessories e.g. disposable blade holder , specimen clamp, tool kit operating manual

1	High precision machine suitable for both delicate as well as hard tissue sectioning
2	Section thickness settings 1-60 μ m with settings in 1,2,5 increment at different levels
3	Specimen advance 28 mm or more
4	Vertical stroke 60 mm or more
5	Provision of step trimming
6	Adjustable specimen clamp at atleast 50 x 45 mm with orientation in X,Y axis
7	Single disposable blade holder for accommodating both high and low profile blades
8	Lateral coarse feed
9	Integrate removable section waste tray
10	Spare low and high profile blades in dispenser pack of 50 blades: 6 packets each
11	The equipment should conform to ISO 9001 & CE/BIS

SCHEDULE NO 4 - SLEDGE AND FREEZING MICROTOME

S.I.No	SLEDGE AND FREEZING MICROTOME
1	Description of Function
1.1	A sledge microtome where the sample is placed into a fixed holder (shuttle), which then moves backwards and forwards across a knife. Freezing microtome is used for cutting thin to semi-thin sections of fresh frozen tissue
	1. Radial Cutting facility
	a) Knife: 3 1/4" (8cm)
	b) Section Thickness: 5 microns and up Calibrated 5-40 microns
	2. Sledge Cutting
	a) Knife: 6 2/3" (17cm)
	b) Section Thickness: 0.4 microns and up Calibrated -12 microns
	<u>Freezer for Microtome</u>
	a) Temperature Range: -40°C to +100°C
	b) Resolution: 1/2 amp (curr. readout) 0.1°C, digital display
	c) Heat Removal: ½ liter/min. Tap water or circulating pump & tank unit
	d) Accessories: Thermocouple microprobe
	Automatic protection against overheating in case of water supply failure
	Controller can be used as an independent digital thermometer and needle microprobe should be provided for this purpose.
2	Power Supply
	Power input to be 220-240VAC, 50Hz
3	Standards, Safety and Training

CE/ BIS approved product

SCHEDULE NO 05 - SLIDE CABINET

S.I.No	SLIDE CABINET
1.1	To store slides safely.
2.1	Should be rust proof and break proof.
2.2	It should be moulded plastic for storage of microscope slides.
2.3	Should have slots(to accommodate 1000 standard slides)and hinged lid.
2.4	Slides should be held in numbered slots and there should be an index inside the lid.

Item No 06- Incubator

A. Technical specifications:

Sl	Name
1	Capacity: 120 L
2	Interior chamber: Stainless steel for easy cleaning and decontamination
3	Timer: 1 min. to 100 hours and hold position
4	Minimum turbulence and no cross contamination
5	Adjustable safety thermostat for temp setting at 1 deg C increment
6	Temp Accuracy +/-1% of required temp, with inbuilt Temp.Sensor
7	Internal glass door for the observation
8	With minimum two adjustable shelves
9	Audiovisual Alarm to Indicate when temperature deviates more than 1°C from setpoint, and when program or time has finished. Alarm may be muted.
10	Peltier heating with continuous air circulation and Heating by natural/forced convection for homogenous temperature distribution
11	Temperature range: +5° C to 80°C
12	There should be a Membrane Keypad with LCD/LED to set and display operating parameters, current status, running time and alarm conditions for time and temperature.
13	Interior lighting facility, insulated door fitted with heavy hinges handle locking, mechanical door lock.

B.Power Supply:

Sl	Name
1	Power input to be 220-240VAC, 50Hz fitted with Indian plug
2	Suitable UPS with maintenance free batteries for minimum one-hour back-up should be supplied with the system.

SCHEDULE NO 08 - Hot Plate

S.I.No	HOT PLATE – ELECTRICAL
1	Description of Function
1.1	Used to heat glassware or its contents.
2	Technical Specifications
2.1	Durable cast-iron heating element that heats up fast
2.2	Thermostatic control from simmer to boil
2.3	Durable and easy-to-clean spray plastic finish
2.4	Variable heat control
2.5	Stainless steel body with top having the dia 30cm
2.6	Temperature and working indicator light
2.7	Maximum surface Temperature - 300 °C

ITEM No. 9 - HOT AIR OVEN

1. Microprocessor based digitally controlled equipment suitable for daily usage.
2. Should have double walled construction, special high quality insulated steel.
3. Facility for adjustable shelves, 10 removable shelves to be provided.
4. Size of inner chamber approx 55x55x70 cm approx with internal lighting facility
5. Insulated door fitted with heavy hinges, mechanical door lock.
6. Temperature range 30-250°C, digitally temperature setting accuracy
7. Temp sensor and display for temperature (LCD).
8. Forced uniform air circulation, Digital safety thermostat.
9. Delayed start and stop function, high quality heating element

10. Supplied with cord & plug, operate at 220V/50 Hz AC supply
11. All consumables required for installation and standardization of system should be provided free of cost
12. Should have all the accessories required for the functioning of the equipment.
13. CE / ISI mark or other equivalent quality certification

ITEM No. 10 REFRIGERATOR - 330 L. (LABORATORY TYPE)

S.I.No	REFRIGERATOR - 330 L. (LABORATORY TYPE)
	For storing blood plasma and other blood products,vaccines , other medical or pharmaceutical supplies.Also to cool samples or specimens for preservation .
	For faster pull-down and recovery times,it should have a bypass refrigeration and microprocessor-based controls
	Technical Specifications
1	Laboratory refrigerator should have 330 ltr capacity
2	It should have galvanized sheet steel construction, white powder coated and adjustable feet.
3	No welded joint to be exposed for rusting.
4	Insulation of high-grade pressure – foam material.
5	Lockable door with plastic magnetic sealing surround
6	Automatic defrosting and condensed melt water evaporation.
7	Re-circulating air-cooling system.
8	Control panel with thermometer, main switch and temperature selection.
9	Hermetically enclosed, low noise, vibration proof compressor.
10	Visual and a caustic signal alarm system.
11	Epoxy coated outside finish and S/S interior.
12	Low noise, automatic defrosting, freon free
13	Should be CFC free.
14	Temperature indicator to be provided.
15	Power input to be 220-240VAC, 50Hz

SCHEDULE NO 11. MARKER PENS - ASSORTED

S.I.No	MARKER PENS – ASSORTED
1	Technical Specifications
1.1	Permanent marker pen should be aluminium cigar type rigid tube with a hemispherical rubber at one end..
1.2	when pumped slightly it should compress ink towards fine ball point for sharp and fine marking.
1.3	Colours to be supplied
	YELLOW
	RED
	ORANGE
	BLACK
	BLUE
	GREEN
	WHITE

**Anatomy Museum/Soft part Museum/Osteology Museum/
Photo and charts
Museum/ X- Ray, CT, MRI, museum**

SCHEDULE NO 4. High Quality Specimen Display Racks, Glass covered

As required and suitable for the Anatomy lab

ITEM No. 8 SPECIMEN JARS-ASSORTED

S.I.No	SPECIMEN JARS-ASSORTED
1	Should be made of borosilicate (pyrex) glass.
2	The capacity should be 4,6,8,12,20,30,40 & 60 liters(Qty two each)
3	Should have schott flanges and stainless steel quick release clamp.
4	Should be leak free and have moderately thick wall.
5	Overall height should be 330mm-690mm (Approx.) depending on size
6	Schott clamp size should be 60mm-200mm (Approx.)

Section -IV**Price Bid**

Sr no.	Name of item	Make	Model	Qty	Unit cost (Rs.)	GST		Unit cost including GST (Rs.) D= b+c	Total cost including GST (Rs.) D X a
						%	Amount (Rs.)		
							c		
				a	b		c		D X a
Please quote separate prices for all line items including Charts, Model as in List of requirement/ Technical Specification									
1									
2									

Note:

- Total cost of all items shall be included of all packing & forwarding, freight charges & insurance from ware house to consignee site at **AIIMS Raebareli, and will include** local tax, entry tax, duties, GST and other levies payable by the supplier under the contract. It will also include all charges towards installation, testing & commissioning of Equipment.
- 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 extra on any account.
- 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 extra on this account extra.
- If there is a discrepancy between the unit price and total price THE UNIT PRICE shall prevail.
- The equipment will have one year warranty from the date of Satisfactory Installation & Commissioning.

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 :