

RE/ 3 /Anat/Store/15-16Dated :- 7 / 08 / 2015

Dear M/s,

A short rate enquiry is hereby floated/invited for the following item required by Department of Anatomy, AIIMS, New Delhi-110029.

S.No	Name of Items
1	Analytical Balance
2	Pipette
3	Hydraulic Stainless Steel Cadaver Trolley
4	Hot plate magnetic stirrer
5	pH meter
6	Cadaver storage tanks
7.	Western blot apparatus
8.	Deep freezer -20 C
9.	Disarticulated human bones original

Firm submit the following:

1. Firm should submit price Reasonable Certificate
2. Firm should submit the under taking on the letter that the firm has not been black listed
3. Firm should submit the under taking on the letter that the firm has no vigilance case pending against Supply /firm

Terms & Conditions:

- The quotations should be submitted to the Professor & Head, Department of Anatomy, Room No. 1010, AIIMS, New Delhi-29 and sent by post/per bearer by 24th August , 2015 up to 12.00 P.M. Quotation should be sealed in an envelope and the "name of the item" clearly written on top of the envelop.
- The make of the article offered should invariably be quoted. Quotation should be typed written in ink. All overwriting and erased entries will be deleted from the quotation. The rates should be valid for at least THREE MONTHS.
- VAT/Sales tax or any other kind of tax(s) must be separately mentioned against each item. In case no sales tax is chargeable, prices must be quoted as NET.
- Warranty/Guarantee: 1 year comprehensive warranty.
- Installation: The firm install the equipment on the site, free of cost
- The firm should be able to give demonstration of the item if required within 5 days of requisition.
- The firm must supply the item within 20 days after confirmation of order.
- The successful bidder has to submit performances bank guarantee of 10% of the order value valid upto warranty period.
- The payment will be made electronically viz RTGS/NEFT against delivery and satisfactory installation of the item. The following information should be also mentioned in the quotation.
- Name of the beneficiary:
- Account No. of the beneficiary:
- IFCS code of the bank/branch:
- The quantity can be increased or decreased to any extent depending upon the actual requirement.
- The Professor & Head of the Department reserves the right to cancel/reject full or any part of the rate enquiry which generally do not fulfil the conditions stipulated in the rate enquiry.
- Payment will be made after receiving the items in good condition and satisfactory installation.
- No extra transportation charge will be given to the firm.
- The firm must supply the items within the date mentioned on the supply order copy.

Thanking you

(Dr.Renu Dhingra)

Professor

Computer facility: With request for uploading the same in AIIMS websites for the period of 15 Days.

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Pipette: Quantity

- Pack with 6 adjustable-volume pipettes & a 6-Place Carousel Stand (0.1-2.5 μ L, 0.5-10 μ L, 2-20 μ L, 10-100 μ L, 20-200 μ L, 100-1,000 μ L)
 - Should have highest accuracy and precision
 - Single Channel Manual Pipette
 - Should have Ejector and Digital Display
 - Should be Autoclavable
- Warranty and guaranty as per AIIMS rule
Vendor should have service centre at Delhi and NCR

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pH meter:

- Should have automatic calibration
- Should be capable of calibrating up to 2 points using usa or nist ph standard buffer
- Should have auto-buffer recognition , view electrode slope, automatic temperature compensation
- Should be fluid resistant and swivel electrode holder
- pH range should be 0.00 to 14.00 ph
- pH resolution and accuracy should be ± 0.001 ph and ± 0.002 ph respectively
- mV range and accuracy should be 0 to ± 1999 mv and mv ± 1 mv respectively
- Temperature range and accuracy should be 0°c to 100°c and $\pm 1^{\circ}\text{c}$
- Temperature compensation should be 0°c to 100°c , manual or automatic
- Should have power supply of 9v DC, using AC adaptor 220 VAC, 50 Hz
- Dimensions should be 210 mm x 205mm x 65mm
- Should be of light weight and easy to use

Warranty and guaranty as per aiims rules

Vendor should have service centre at delhi/ NCR

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Cadaver storage tanks :

- Should be strong, durable and long life
- Should be of best raw material base
- Should be seamless in construction (smooth inside out)
- Can be used with support trolley with wheels
- Excellent chemical and temperature resistant
- Immunity to maintenace
- Should be cost effective
- Should be of light weight, natural colour and easy handling
- Dimensions l x w x h(mm) 1900-2500x 800-1000x 800-1000

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Analytical Balance:

- Should have multiple weighing modes
- Should have efficient filter
- Should have ultra-fast response times
- Should be easily operable and stable
- Should have multiple weigh units
- Should be durable for laboratory applications
- Should have unit counting, piece counting, percentage weighing, net-total formulation, averaging
- Should have lock down capability
- Should have computer / printer connectivity
- Should be of 210g capacity
- Should have readability of 0.0001g
- Should have pan dimension of 80mm
- Should have glass draft shield
- Should have response time of 3 – 4 seconds
- Should have high resolution
- Should have tare range 100% of F.S.
- Operating temperature should be 10 °C to 40 °C
- Should provide quick & accurate result
- Should have auto calibration with external weights
- Easy to read LCD display with backlight
- Should have auto zero tracking, low battery indication, overload protection design, adjustable feet and stainless steel weighing pan
- Warranty and guaranty as per AIIMS rule
- Vendor should have service centre at Delhi and NCR

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Hydraulic Stainless Steel Cadaver Trolley:

- Should be CE& ISO certified
 - Should have US Power-Packer pump for HI-LO, Trendelenburg and Reverse-trendelenburg movements
 - Should have Anti-rust treated electrophoresis coated steel structure
 - Should have Stainless steel top surface
 - Should have central braking system for all wheels in diameter of 200mm
 - Should have castors with twin-wheel central braking system
 - Should have foot pedals for movements
 - size should be 2050x 800x 700-1000mm
 - Should have 152° Trendelenburg and Reverse-trendelenburg angle
 - Should have height adjustable feature (700-1000mm)
 - Should have wheels with central locking system (Dia. 200mm)
 - Should have loading capacity of 235kgs
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Hot plate magnetic stirrer:

- Should have digital display
- Should have ceramic coated plate with flame protection and durability
- Should proceed heating and stirring simultaneously
- Should have automatic temperature control
- Accuracy should be ± 1 (< 100 °C) ± 3 (< 300 °C)
- Stirring speed is stepless adjusted.
- Speed should be 100-2000 rpm
- Plate size should be 190 x 190 mm
- Max. Volume should be 0-5000 ml
- Max temp. (plate surface) should be 300 °c
- Should have timer
- Power wattage should be 600 w
- Dimension should be wxdxh 300 x 190 x 126 mm
- Power supply should be 220v / 50hz
- Should be of light weight and easy to use
- Product should include stir bar and temperature probe

Warranty and guaranty as per AIIMS rules

Vendor should have service centre at Delhi/ NCR



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WESTERN BLOT.

Number of gels	-1 to 2
Pre cast gels (Ready Gel pre cast gels) & Hand cast gels	
Gel size (W x L)	-Pre cast: 8.6 x 6.8 cm -Hand cast: 8.3 x 7.3 cm
Total buffer volume for 2 gels	-700 ml
Total buffer volume for 4 gels	-1,000 ml
Typical run times for SDS-PAGE	-35-45 min (at 200 V constant)

Should have Casting Stand clamp assembly Hassle free, simple & leak proof casting.

Should have option for upgrading the existing 2 gel system to 4 gel system in the same tank.

The system includes plates with integrated spacers for ease of use

Should have Interchangeable module, which can run SDS PAGE or do western blotting in same buffer tank

Should have Capacity for simultaneous transfer of up to two MP tetra gels for high throughput

Blotting

Mini Trans Blot Cell

Should have Flexible electrode placement so that Transfer completes in just 1 hr to low intensity, overnight transfer for fast & Flexible transfer of proteins

Should have Minimal buffer requirement

Maximum blotting capacity with minimal buffer expense

Should have the Wire electrodes which are placed 4 cm apart for strong electric fields for efficient protein transfer

Should have a Bio-Ice Cooling Unit which is Completely contained within the Mini Trans blot cell, absorbs heat generated during rapid transfer to avoid overheating & reproducible result

Also should have following dimensions

Blotting Area (W x L) -10 x 7.5 cm. (atleast)

Transfer Parameters

Number of cassettes -2
Buffer requirement -450 ml
Electrode distance -4 cm
Transfer time (high-intensity) -60 min
Gel Capacity (W x L) 8.3 x 7.3 cm
-1 gel per cassette, 2 cassettes total (both sizes)

Warranty : as per AIIMS rules

Specifications for Power Pack

Output specifications: 500 V, 2500 mA, 500 W

Output range (programmable): 10-500 V, fully adjustable in 1 V increments

10-2500 mA, fully adjustable in 1 mA increments

1-500 W, fully adjustable in 1 W increment

Type of output: Constant voltage, current, or power with automatic crossover

Output terminals four pair of recessed banana jacks in parallel

Timing mode Continuous, timed to 99:59Hrs, or 99999 volt-hours.

Pause/resume function: Yes

Operating Conditions: 0–40°C; 0–95% humidity in the absence of condensation

Safety compliance: EN61010

EMI: Conforms to CE Standards for emissions and immunity class A.

Safety features: No load detection; sudden load change detection; ground leak detection; overload/short circuit detection; over voltage protection; overheating protection

Input protection: Fuse on hot and neutral

Input power (nominal) 100–120/220–240 VAC, 50/60 Hz auto-switching

Dimensions: 27.5cm X 9.8cm X 34.5 cm

Should be supplied with UPS with minimum backup for 1 hour

Warranty : 1 year

Human Bones (disarticulated) :

Quotation invtd for :Temporal , clavicle , frontal, Zygomatic , maxilla ,Atlas, Axis, Fetal skull, base of skull and sternum

Should be


1. Original disarticulated human bones
2. Processed as per standard protocol
3. Bones adequately varnished to render them non brittle
4. Durable
5. No markings of muscular attachents
6. Necessary clearance from competent authority to acquire process and vend human bones

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SPECIFICATIONS OF DEEP FREEZER (-20°C)

- Should have Temperature range of -18°C to -20°C (1°C increment)
- Should have Capacity between 450-500 Liters
- Should have twin external doors (top/bottom)
- Should have atleast 5 drawers with individual freezer circuit for each of the drawers
- Should have Front mounted display/control panel located at eye level
- Should have Memory backup, temperature display must be present
- Should have Four casters & two adjustable feet
- Refrigerant should be HFC (CFC & HCFC Free)
- Should have Pre-coated metal body to prevent environmental damage (should not have painted metal body)
- Compressor should be Hermetic rotary type
- Should have Baskets/storage containers: Min. 6 nos. of medium size at Top & atleast 8 nos. of small size at bottom
- Should have Hi/Lo temp, power failure and remote alarm
- Should have lockable door latch
- Should have Self-diagnostics function with part replacement indication
- Should have zero adjustment calibration via control panel
- Suitable stabilizer should be provided.
- Should be CE and EC certified, ISO 9001 & 14001 compliant
- The company should have service centre in Delhi/NCR
- The company should submit an undertaking from the manufacturer that in case of merger or acquisition of the vendor company, they will be responsible for maintenance of the equipment


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