

ALL INDIA INSTITUTE OF MEDICAL SCIENCES
DEPARTMENT OF ANATOMY
Ansari Nagar, New Delhi-110029

RE/ 4 /Anat/Store/15-16

Dated :-14 / 10 /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	Western blot apparatus
2	Disarticulated human bones original
3	Hydraulic Stainless Steel Cadaver Trolley
4	Refrigerator 4 degree
5	Water bath
6	RNA work station
7	Cadaver storage tanks
8	Embalming perfusion pump (Drive head and tubing)
9	IP camera
10	800/600 VA UPS (IPC make)
11	Incubator for Eggs (sound proof)

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 2nd November , 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.

Renu Dhingra
Dr. Renu Dhingra
Professor
Department of Anatomy
AIIMS, New Delhi-29

14.10.15

To
The faculty Incharge
Computer facility
AIIMS
New Delhi-29

Sub : uploading documents for rate enquiry

Respected sir

Kinly permit us to upload the documents on the AIIMS website for rate enquiry.
The specifications of the equipments to be purchased along with other documents are enclosed herewith.
Also the email has been sent to the content provider. aiims@gmail.com.

Thanking you

Sincerely yours



Prof Renu Dhingra
Anatomy
Dr. Renu Dhingra
Professor
Department of Anatomy
A.I.I.M.S., New Delhi-29

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


Dr. Rima Datta
Professor
Laboratory for Molecular Reproduction & Genetics
Department of Anatomy
All India Institute of Medical Sciences
New Delhi - 110029

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


Dr. Rima Nada
Professor, Department of Anatomy & Reproduction & Genetics
All India Institute of Medical Sciences
Ansari Nagar, New Delhi - 110029

Human Bones (disarticulated) :

Quotation invited 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 attachments
6. Necessary clearance from competent authority to acquire process and vend human bones

Renu Dhillon
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Hydraulic Trolley: quantity -2

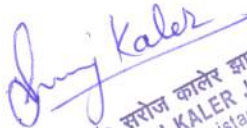

1. Two section top
2. Height should be adjusted by foot operated imported hydraulic pump from 660mm to 910mm
3. Should have gas spring assisted Trendelenburg/reverse Trendelenburg positions
4. Complete with corner buffers, synthetic rubber covered handles, sliding x-ray cassette, accessories tray
5. Should have SS telescopic IV rod and swing away SS side rails
6. Finish should be pretreated and epoxy powder coated
7. Should have four swivel castors with 5" dia, two with total lock
8. Should have load bearing capacity of up to 200 Kgs
9. Should have X-ray translucent removable stretcher, backrest raised on ratchet
10. Size should be of 210L x 65W x 66H cms
11. Should have ISO/European conformity EC/ US FDA/UL or equivalent certifications
12. CMC and AMC as per AIIMS rules
13. Vendor should have service centre at Delhi/NCR


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Dr. Renu Dhingra
Professor
Department of Anatomy
A.I.I.M.S., New Delhi-29

Specification for refrigerator

Refrigerator should have:-

1. Capacity approximately 500 L
2. Double door, frost free
3. Digital inverter compressor
4. Ten years warranty on compressor



डॉ० सरोज कालेर झाझरिया
Dr. SAROJ KALER JHAJHRIA
सहायक आचार्य/Assistant Professor
शरीर रचना विभाग/Deptt. of Anatomy
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WATER BATH- DIGITAL

SHOULD HAVE:

- ◆ Digital control with 0.1 to 0.5°C precision.
- ◆ Microprocessor PID Control for 0.1°C precision.
- ◆ Seamless Stainless body which is corrosion resistant.
- ◆ Should provide $\pm 1.0^{\circ}\text{C}$ uniformity $\pm 0.1^{\circ}\text{C}$ to 0.5°C accuracy, temperature range from ambient to 99°C .
- ◆ Front mount touch- sensitive membrane type keypad controller with timer, alarm and auto-tuning function.
- ◆ Should have perforated sample tray and oven temperature cut off
- ◆ Should be provided with cover (lid)
- ◆ Should have a capacity not less than 10 litres.
- ◆ Should operate between 600 to 700 watts.

Dimensions Should be :

- ◆ Width between 250-300 MM
- ◆ Depth between 200-240 MM
- ◆ Height upto 150MM


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RNA work station specifications

The RNA work station should have

1. White fluroscnt light (1x15W)
2. UV lamp :1x30W , 254nm with 15-20 minutes timer provided for decontamination
3. Two or more electrical ports (switches) to connect various electrical equipments.
4. Dimensions less than or approx than (L:D:H) 2.5ft x 2ft x 3.5ft
5. Separate switches for all lights outside the work station.
6. Good quality air filters included in the work station.
7. Surfaces which are rust proof (resistent)
8. Stainless steel work surface
9. Certifications : BIS: ISO , CE , EC/UL/CSA US
10. Warranty and gurranty accoding to AIIMS rules

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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 maintenance
- 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

Warranty and guaranty as per AIIMS rules

Vendor should have service centre at Delhi/ NCR

Seema Singh
डॉ० सीमा सिंह
Dr. SEEMA SINGH
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Neeraj
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Specifications for complete system of Embalming (Drive, head and tubing)

Drive

The embalming pump **drive** should have

- Flow rates 1- 1000 ml/min (minimum to maximum)
- Speed variable
- RPM 10 to 100 with unidirectional flow
- ON/OFF switch with light indicator
- Input power supply 230 Volts AC
- Motor size - 1/20 hp, Power - 50/60 Hz
- Stainless steel mounting hardware to connect the head

Pump Head

- The pump head should be compatible with pump drive
- It can retain tube automatically
- The head should have stainless steel rotor material and polyphenylene sulphide for housing material

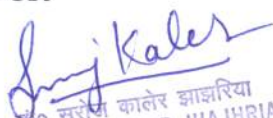
Tubing

The tube of pump should have

- Good flexibility
- Silicone rubber material with heat and chemical resistant
- Property to autoclave
- Temperature resistance from 1 to 100°C
- Internal diameter 5 -7 mm. which is compatible with pump head and flow rates
- Hose barb size 6-7 mm.
- Length 6-10 meters.
- The firm should provide two tubes for replacement due to wear & tear

Warranty and guaranty as per AIIMS rule

Vendor should have service centre at Delhi and NCR


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1. IP Camera (2MP Fixed Dome IP Camera with IR & POE)

Make & Models	Vivotek (FD8164-F2, FD8164-F3)
CPU	Multimedia SoC (System-on-Chip)
Flash	128MB or higher
RAM	256MB or higher
Image Sensor	1/2.7" Progressive CMOS
Maximum Resolution	1920x1080 (2MP)
Lens Type	Fixed-focal
Focal Length	f = 2.8 mm (FD8164-F2) f = 3.6 mm (FD8164-F3)
Aperture	F2.0 (FD8164-F2) F1.8 (FD8164-F3)
Field of View	FD8164-F2: 120° (Horizontal) 68° (Vertical) 141° (Diagonal) FD8164-F3: 95° (Horizontal) 51° (Vertical) 112° (Diagonal)
Shutter Time	1/5 sec. to 1/32,000 sec
Day/Night	Removable IR-cut filter for day & night function
Minimum Illumination	FD8164-F2: 0.33 Lux @ F2.0, 50 IRE (Color) 0.001 Lux @ F2.0, 50 IRE (B/W) FD8164-F3: 0.28 Lux @ F1.8, 50 IRE (Color) 0.001 Lux @ F1.8, 50 IRE (B/W)
Pan Range	350°
Tilt Range	60°
Rotation Range	350°
Pan/tilt/zoom	ePTZ:
Functionalities	48x digital zoom (4x on IE plug-in, 12x built-in)
IR Illuminators	Built-in IR illuminators, effective up to 15 meters IR LED*8
On-board Storage	MicroSD/SDHC/SDXC card slot
Compression	H.264 & MJPEG
Maximum Frame Rate	30 fps @ 1920x1080 In both compression modes
Maximum Streams	2 simultaneous streams
S/N Ratio	Above 53 dB
Dynamic Range	54.5 dB
Video Streaming	Adjustable resolution, quality and bitrate Configurable video cropping for bandwidth saving
Image Settings	Adjustable image size, quality and bit rate Time stamp, text overlay, flip & mirror Configurable brightness, contrast, saturation, sharpness, white balance, exposure control, gain, backlight compensation, privacy masks Scheduled profile settings, 3D Noise Reduction
Audio Capability	Audio input
Compression	G.711
Interface	Built-in microphone
Effective Range	5 meters
User	Live viewing for up to 10 clients
Protocols	IPv4, IPv6, TCP/IP, HTTP, HTTPS, UPnP, RTSP/RTP/RTCP, IGMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPoE, CoS, QoS, SNMP, 802.1X
Interface	10Base-T/100 BaseTX Ethernet (RJ-45)
Video Motion Detection	Triple-window video motion detection
Alarm Triggers	Video motion detection, manual trigger, digital input, periodical trigger, system boot, recording notification, camera tampering detection
Alarm Events	Event notification using digital output, HTTP, SMTP, FTP and NAS server File upload via HTTP, SMTP, FTP and NAS server
Connectors	RJ-45 for Network/PoE connection Digital input*1
LED Indicator	System power and status indicator

Shanvi

डॉ. ए. शर्मा / Professor
आचार्य / Deptt. of Anatomy
संस्कृत विश्वविद्यालय / AIIMS, New Delhi

Power Input	IEEE 802.3af PoE Class 2
Power Consumption	Max. 5.1W
Web Browser	Mozilla Firefox, Internet Explorer (streaming only)
Warranty	2 Years

2. 800 VA UPS IPC Make

- 20 Minutes backup
- Authorized Certificate

Asharf
 डॉ० ए. शरीफ / Dr. A. SHARIFF
 आचार्य / Professor
 शरीर रचना विभाग / Deptt. of Anatomy
 अ.म.आ.पं., नई दिल्ली / AMMS, New Delhi-29

Specifications for EGG INCUBATOR- (Sound proof)

EGG INCUBATOR- with capacity 100 Eggs approx. should have

A triple walled, well-insulated incubator, sound proof with inner chamber of SS-304 and outer mild steel body on angle iron frame duly powder coated.

Self-contained unit, mounted on heavy duty castors with CFC free, Eco-friendly compressor for cooling and stainless steel air heaters in duct for fast and efficient control of temperature.

Special features

- 1) Forced air draft in chamber. Dual centrifugal blowers which work alternately.
- 2) Digital Temperature and humidity controller. Temp. range 10°C to 50°C $\pm 0.5^\circ\text{C}$. Humidity range ambient to 95% $\pm 2.5\%$. PT-100 sensor for temperature and imported dry type sensor for humidity.
- 3) Concealed water tank of stainless steel to generate steam for humidity, with auto low water cut off to safeguard heaters.
- 4) Front door with magnetic gasket with lock & key. Inner glass door in aluminium section frame for view ability without disturbing temp & humidity conditions.
- 5) 4 x 20W Tube lights with Programmable Timer for Day/ night effect through sealed glass to avoid leakage.
- 6) CD player with pen drive compatibility for music/sound effect with dual speakers inside chamber-with programmable timer.
- 7) Tilting system for eggs on tray, driven by silent DC motor with timer for adjustment of tilting duration and intervals. The incubator may have 2 trays, both tilting on a common rod with gear system.
- 8) Safety cut off system. Front lockable panel, housing all controls, with independent neon indicators for all operations.

Complete in all respects with automatic voltage stabilizer of appropriate rating. Operable on 230V AC.

Note: Onsite installation should be provided free of cost
Strong service support in Delhi.
Five year full warranty norms with onsite servicing



डॉ० तापस चन्द्र नाग
Dr. T. C. Nag
आचार्य/Professor

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