Department of Anatomy

All India Institute of Medical Sciences
Ansari Nagar, New Delhi – 110029.

RE/_04 /Anat/Store/17-18

Dated:-14/10/2017

Dear M/s,

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

1	Autoclave
2	Ice Flaking Machine- Floor Model
3	Precision Perfusion pump for rat
4	Plethysmometer for rat and mouse
5	Laminar Hood
6	Spectrophotometer
7	Shaking Incubator

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 and conditions:

1. Quotation should be submitted on TWO bids basis – Technical Bid and Price Bid.
2. EMD/Security Deposit amounting to Rs.10, 000.00 need to be submitted along with the technical bid in form of Bank Draft/Demand Draft/FDR/Bank Guarantee in favor of Director, AIIMS payable at New Delhi. Quotations/Bids received without EMD/Security Deposit will be summarily rejected. EMD/Security Deposit will be returned immediately to unsuccessful bidder after technical evaluation is completed. No interest is payable on EMD/Bid Security.
3. Validity of quotation should be atleast 90 days from the due date of tender.
4. Technical Bid and Price bids should be submitted in two separate envelope with appropriate marking viz. Technical Bid or Price Bid. Mix quotations (price bid and technical bid) will be summarily rejected. Tender enquiry number should be clearly written on each envelope. Both these envelopes need to be put in one big envelope with marking of the Tender Number.
5. Bids should be addressed to: Officer-in-Charge stores (Room No. 1013) Department of Anatomy, All India Institute of Medical Sciences, Ansari Nagar, and New Delhi 110029. Last date for submitting both bids is **"30th October 2017 by 12.00pm".**
6. Bids submitted through fax/email will not be entertained.
7. Warranty Terms: 2 years Comprehensive warranty (including all spares and labor) + 3 years Comprehensive AMC (including all spares and Labor). If required, only lowest and technically qualified bidder will be called for negotiation. Cost of CAMC will be considered for ranking purpose.
8. Bidder should submit the copies of the recently executed previous supply orders of the same/similar equipment/instrument supplied to Government or Reputed Private institutions.
9. Successful Bidder have to submit the Performance Bank Guarantee equivalent to 10% of the order value valid upto sixty (60) days beyond warranty period from the date of Installation of equipment.
10. Point wise compliance statement should be submitted as a part of Technical Bid.
11. Quotation should be submitted on the basis "delivery at AIIMS" preferably in Indian Rupees.
12. No CST/Excise Duty exemption certificate will be provided.

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

Damodar Roy
14/10/17

13. Custom Duty Exemption Certificate, if required, should be clearly mentioned in the Technical/Price Bid. No separate request will be entertained after the due date of submission of tender.

Thanking you

Renu Dhingra.

(Dr.Renu Dhingra)
Prof & Officer Incharge store, Anatomy

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

14/11/17

Cost = 4.9L
No = 1

Autoclave Specifications

- Should have temperature range upto123degC with accuracy<+-0.5°C and uniformity of +/-2°C at 121°C and Pressure upto.12Mpa
- Should be fully automated sterilization cycle with digital PID controller and accuracy of =/-0.1degC , class PT100 sensor and automatic Start/ Stop timer, Max 99min 59sec.
- Chamber volume should be minimum 65 litres.
- Epoxy powder coated steel body and internal chamber should made up of SS 304 with internal and outer dimensions should be Ø350X H680 and 555X670X1110mm respectively.
- Should have safety door inter lock system integrated with high temperature, high pressure and electric cut off and audio visual alarms for safety features.
- Should have two Stainless steel perforated Basket with dimensions Ø330XH280mm
- Should have dual LED displays which present temperature and set temperature or remaining time simultaneously.
- Should have Temperature calibration and auto tuning function.
- Should have stainless steel(304grade) interior, lid and top to protect from corrosion by water and steam.
- Should have special plated Incoloy heating element to provide resistance to dry burn, long life, resistant to corrosion and high temperature in guaranteed repeated use should be their.
- Should have minimum heater capacity of 3KW
- Should be provided with two steam collection bottles to remove steam during operation for comfortable laboratory inside environment.
- Should be provided with drain valve for cleaning or changing with fresh water
- Should be provided with four castors for easy movement.
- Should have built in pressure gauge and manual pressure release valve with dual protection system and audio visual Alarm alert.
- Should be provided with extra silicon gasket, tube rack & compatible stabilizer
- Electrical Requirement 220VAC 50/60Hz
- Should be CE, ISO internationally certified

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Ice flaking machine – floor model **Quantity = 1 Cost = Approx. Rs. 3 Lakhs**

Specifications:

1. Should produce ice flakes with hardness of 70%
2. Should have a production capacity of approx. 200 Kg/24Hrs
3. Should have a built-in bin with a storage capacity of min. 25 Kg
4. Noise level: Very low noise level (overall noise level should be less than 35dB)
5. Compressor should be hermetically sealed
6. Refrigerant should be CFC free
7. Cabinet should be made of stainless steel, corrosion free with PUF insulation
8. Exterior chamber should be made of stainless steel, preferably with powder coating to prevent corrosion
9. Should have visual LED indicator alarm
10. Should be a microprocessor controlled unit
11. Should operate at 220-240V/50Hz, 16 Amperes, 3840 Watts
12. Should operate at ambient temperature of up to 45 °C
13. Machine should stop refrigeration when water supply stops and should resume when water supply resumes.
14. Should have a good drainage system that should be checked at the time of installation
15. The installation should be provided with a pre-filtration unit and the engineering work required to install the machine should be done by the vendor at the site of installation.
16. Machine should be CE, VDE and GS approved and ISO9008 certified
17. Safety control: Microprocessor control against failure of refrigerant & water
18. Machine should shut off and indicate if the Refrigerant is not sufficient to produce Ice- adequate alarm system.
19. Machine should have Antimicrobial protection
20. Condensation/Cooling technology should be Air Cooling based
21. Power Consumption should be less than or equal to 480 Watts
22. Machine should stop when the Bin is full and resume when sufficient ice is taken from the Bin.
23. An outlet should be provided to drain water from the Bin to protect it from contamination.
24. Adjustable legs to keep the machine in level and castor wheels with braking system for mobility and restriction of mobility
25. Voltage Stabilizer of optimal capacity should be provided
26. Features in the quotations should be substantiated with proper Principal Company Catalogue.
27. Should operate under a Quality Management System which complies with the requirements of ISO 9001:2008 for design, manufacture and services.
28. Copies of all certifications e.g. Quality Standard certificate, Propriety Item/parts, Patent of parts/ technology, Principal company/Authorised Distributorship should be attached with the quotations.
29. In-House Service Engineers from principal company/ or authorised agents should be available on one-day notice basis in case of emergency.
30. Only Principal Companies or Authorized Distributors from Principal companies should quote. Quotations from non - authorized distributors will not be entertained.
31. Compliance sheet should be attached along with the quotation. Compliant points should be highlighted in the company catalogue. Compliant points should be given (in the sheet) in order of the specifications' serial order.

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Precision perfusion pump for rat

(Approximate price 3 lakhs)

The instrument, which will be used for high-end research work, should have the following specifications:

1. Bench-top compact laboratory perfusion pump model for rats, powered by electricity under Indian conditions
2. Single-channel low-flow infusion precision pump (flow rate approximately between 1 – 250 ml/min)
3. Flow rate to be controlled by a regulator (within ±5% of stated rate)
4. Repeatability of flow rates on successive use
5. Tubing should be high quality, corrosion resistant and composed of silicon or tygon
6. Tubing should have internal diameter of about 3.1 mm and can be fixed to a cannula for perfusion-fixation of laboratory rats
7. Extra 6 ft tubing and 2 cannula to be supplied as spares
8. Comprehensive warranty for 2 years followed by 3 years comprehensive maintenance with free labor

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डॉ. एस. बी. रे/Dr. S. B. RAY
आचार्य/Professor
शरीर रचना विज्ञान विभाग/Dept. of Anatomy
अ.भा.आ.सं., नई दिल्ली-29/A.I.I.M.S., New Delhi-29

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Plethysmometer for rat and mouse

Approximate price : 3 lakhs

The instrument should have the following specifications:

1. Measure inflammatory oedema in the paw of rat/mouse by a micro-controlled volume meter
2. Water-displacement method for measuring inflammatory swelling to an accuracy of 50 microlitre (resolution of up to 10 microlitre)
3. The control unit key capable of setting to zero between successive readings
4. The readings should be stable (not vary within the same experiment) and specific
5. Values to be displayed on LCD display for easy readout
6. Provision for auto-calibration
7. Compatible for rat and mouse
8. Warranty for 5 years (2 years comprehensive and 3 years comprehensive maintenance with free labour)

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Rama Sankar Ray

डॉ. एस. बी. रे/Dr. S. B. RAY
आचार्य/Professor
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Puneet Kaur 9/10/17

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Item No. 3 ; Qty required - 01 ; Approximate Cost – Rs.5.00 lakhs (Retender)

(Department of Anatomy)

Laminar Hood specifications:

1. Sloped Front Cabinet front for enhanced comfort and reduced operator fatigue.
2. Should have table top single piece work tray of stainless steel of SS- 304 quality or better along with stailness steel stand with lockable wheel
3. Should have at least exterior Dimensions 4 feet or better
4. Should have U.V germicidal tube fitted in the work area and in the exhaust plenum before the exhaust HEPA filter.
5. Reduced noise level lower noise level (should have sound pressure level not more than 65 dB) enhances the attention and allows user to focus on work without distraction.
6. Microprocessor controlled displays for real-time information of overall cabinet status including operation safety and service requirements
7. Visual and audible alarm indicates whether front window is in correct working position
8. Audible and visual alarms indicate when airflow is safe or restricted
9. Displays reduced speed operation when front window is closed
10. HEPA filters (0.3 micron) on the exhaust side.
11. Should have unidirectional air flow
12. Cabinet performance should be of EN Std. Class III air quality.
13. Should have stainless steel stand with lockable castor wheel.
14. Light intensity minimum 1000 lux
15. All technical claims should be supported by product catalogue, public website of the manufacturer.
16. The system should be certified from European CE / UL / ISO 9001 for quality assurance.
17. Firm should provide the list of spares and accessories, which are included in comprehensive warranty and CMC.

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18. Standard instrument comprehensive warranty for 5 years + 5 years comprehensive maintenance contract (CMC) after completion of 5 years warranty.

1. Dr. Subhash C Yadav, Assistant Professor, EMF _____
2. Professor T. C. Nag, EMF TNag 9.10.17
3. Professor A. Shariff, Department of Anatomy, Ashariff 9.
4. Professor Renu Dhingra, Department of Anatomy Renu Dhingra 9/10/17
5. Professor Kalpana Luthra, Dept of Biochemistry kalpana
6. Professor Puneet Kaur, Head, Dept of Biophysics Puneet Kaur 9/10/17
7. Dr. N. Madaan, Associate Professor, Department of Hospital Administration, (Nominee of M.S) _____
8. Professor T. S. Roy, Head, Department of Anatomy, Tarun Kr Roy 9/10/17
9. Stores Officer, Research Section, AIIMS _____
10. Accounts Officer, Research Section, AIIMS _____

Dated : 9.10.2017

SPECIFICATIONS OF SPECTROPHOTOMETER (PRICE- RS 5 LAKHS, QUANTITY – ONE)

Spectrophotometer with the following desirable specifications

1. Portable with cuvette module which can be put inside a laminar hood.
2. Xenon flash lamp as an absorption light source.
3. Should ave Beam height of at least 8.5 mm.
4. UV-Vis and have minimum wavelength range 200–830nm with 1 nm increments
5. Single-beam absorption with reference beam as an absorption measuring principle
6. Minimum of following Interfaces-for connecting pen drive, for connecting to a PC Interface and for connecting to a thermal printer.
7. Touch Screen and internal storage.
8. Footprints should not exceed (W × D × H) 30 × 40× 15 cm Dimensions
9. Weight should nor exceed 5.5 kg
10. Concentration range for dsDNA should be minimum of </= 3.0 ng/ul and maximum of >/=750 ng/µL
11. The instrument should have preinstalled programs for nucleic acids, proteins, colorimetry assays, OD600, Kinetics, Custom Methods and more.
12. Measurement time should be </=3sec
13. CMC and warranty as per Institute requirements
14. Should have UL/CSA, CE, EC approval
15. Should have a service centre in Delhi – NCR region
16. 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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डॉ. अरुन्धती शर्मा
Dr. Arundhati Sharma
आचार्य/ Professor
शरीर रचना विज्ञान/Deptt of Anatomy
अ. भा. आ. सं., नई दिल्ली-110029
A.I.I.M.S., New Delhi-110029

Cost 4.95 LAKHS

SHAKING INCUBATOR

Should have

- Integrated Microprocessor digital PID controller to provide temperature, shaking speed, timer and safety
- Equipped with wait off timer, alarm, auto tuning, inbuilt temperature calibration function.
- Chamber volume of minimum 195 litres and outer body should made up of epoxy coated steel, inner body with SS304 Steel and has tempered glass window for sample s observation.
- Range of setting temperature should be (10°c ~ 70°c) with cooling system and accuracy of ±0.2°c at 25°c and uniformity of 1degC at 25degC
- Shaking range should be 20 to 350rpm/20mm orbital motion with shaking speed accuracy within +-1rpm
- Inner and outer dimensions of W(560)XD(600)XH(590) and W(930)XD(740)XH(955)mm respectively.
- Minimum platform size of 500mmx 465mm to hold minimum flasks of 100mlX32no.;250mlX20no.;500mlX16no.;1LX9no.;2LX5no.;3&5LX2no
- Forced convection System for air circulation to maintain and provide precise control and uniformity of temperature.
- Should be provided with safety device for over temperature protection and electrical leakage and also have audio visual alarms for any malfunction of the parameters set.
- Dual digital LED displays PV and SV value for display of temperature, rpm and time left.
- Automatic stop system when door is open.
- Auto defrost system, user settable interval and time. Should have durable shaking mechanism with AC motor
- Height adjustable level feet for balancing and anti vibration.
- Option for stacking one on to another unit for space saving and operation efficiency.
- Should be provided with universal flask holding platforms.
- Should be provided with minimum two clamps for each size of 100ml;250ml;500ml,1L;2L,3L & 5L.
- Should be provided with extra static shelf.
- Power Requirement 110V/220V, 50/60Hz
- Should be internationally manufactured with European directives CE and ISO certifications.
- Warranrty as per AIIMS rules

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