

NATIONAL INSTITUTE OF UNANI MEDICINE
Kottigepalya, Magadi Main Road, Bangalore-91.

F. No. 3-73/2009-10/NIUM/B'lore

Date: 19.03.2009

TENDER NOTICE FOR EQUIPMENTS

Director, NIUM invites sealed tenders in two parts consisting of Technical and Financial Bids for supply of Pharmacy equipments from registered and reputed firms/establishments having proven track record and competency in Pharmacy equipments. The cost of tender is Rs.200/- Tender form can be downloaded from the institute's website: www.nium.in and submitted to this Institute by enclosing a DD (non-refundable) for Rs.200/- drawn in favour of "The Director, NIUM, Bangalore" payable at Bangalore. Separate tender form should be submitted for each item along with the DD. Last date for submission of duly filled in tender form along with EMD of 2 % of the total cost of Equipment is 27th April,2010. The technical bids shall be opened on 29th April.2010 at 11:30 AM. Details regarding the list of equipments and their specifications etc., is enclosed herewith.

Sd/-
Consultant (Admn)

NATIONAL INSTITUTE OF UNANI MEDICINE

(An Autonomous Organisation of Ministry of Health and Family welfare, Govt. of India)

Kottigepalya, Magadi Main Road, Bangalore – 560 091

Phone: 080-23584260

Fax No: 080-23587480

Sl.No.

TENDER FORM FOR EQUIPMENTS

LAST DATE FOR RECEIPT OF TENDER: Upto 5 P.M. on 27th April 2010.

TENDER NOTIFICATION FOR PURCHASE OF EQUIPMENT :

- i) All the firms submitting tender/quotation should provide the following documentary proof:
 - a) That the firm is a registered manufacturer or authorized supplier of the said equipment.**
 - b) The past performance of the firm in the sale of the said equipment.****
- ii) All the firms submitting tender/quotation should enclose a DD for Rs.200/- drawn in favour of the “Director, NIUM, Bangalore” payable at Bangalore towards cost of tender/quotation. Separate tender form may be submitted for each item along with the DD.**
- iii) Separate technical bids and EMD deposit are required only for the equipment costing more than Rs.2.00 lakh.**
- iv) In case of equipment costing upto Rs.2.00 lakh, the firm may submit only financial bids/quotation.**
- v) The tender for Technical bids will be opened on 29th April 2010 at 11.30 AM. Financial bids for equipments costing more than Rs.2.00 lakhs will be opened on 03rd May, 2010. However, Financial bids for equipments costing upto Rs.2.00 lakhs will be opened on 29th April 2010.**

“TECHNICAL BIDS” AND “FINANCIAL BIDS” FOR THE EQUIPMENT COSTNG MORE THAN RS.2.00 LAKH

- i) Technical Bids should give details of technical qualification with sufficient proof.**
- ii) The experience of the firm in the manufacturing of the said equipment.**
- iii) Name of the organizations where the equipment are being supplied by the firm for the last 2 years.**

- iv) 2% of the estimated value of the equipment for EMD along with the cost of tender form should be enclosed in the form DD drawn in favour of “The Director, NIUM, Bangalore” payable at Bangalore along with the technical bids.**

- v) The technical bid should be sealed by the bidder in a separate cover and super scribed as “Technical Bid” on the top of the cover**

- vi) The financial bid should indicate the item-price of the equipment and should be sealed by the bidder in a separate cover and super scribed as “Financial Bid” on the top of the cover.**

Face Sheet accompanying the Tender schedule

1. Name and full address
of supplier to whom the
Schedule is issued :

2. Particulars of DD enclosed towards:
Tender form.

3. Last date for the receipt of
Sealed Tender Form :

4. Date of Opening of
Sealed Tender (Technical bid) :

5. EMD Amount (Consolidated in
case of more than one equipment) :

6. Particulars of DD enclosed towards
EMD. :

Signature of Tenderer

National Institute of Unani Medicine, Bangalore-91

Terms and Conditions:

1. Only registered or reputed and established firms who are capable of Supplying, demonstrating, installing and maintaining the Branded equipments/ items to apply.
2. The prices quoted should be inclusive of all taxes. TDS will be deducted as per government rules, if applicable.
3. Earnest money shall ordinarily be 2% of the estimated value of the tender. The Earnest money will be liable to be forfeited, if the tenderers withdraws, impairs or derogates from the tender in any respect within the period of validity of his tender.
4. No tender will be accepted unless accompanied by a crossed Account Payee Bank Demand Draft as mentioned above towards Tender Form & Earnest Money Deposit (separately) drawn in favour of *The Director, NIUM, Bangalore*.
5. EMD of the successful tenderer shall be refunded after the security deposit, (5% of the total value) is furnished. If he fails to furnish the security deposit the EMD shall be liable to be forfeited. The EMD for the unsuccessful tenders will be returned within 30 days of the award of the contract. The EMD amount shall not bear any interest.
6. The tender documents are not transferable.
7. The rates should be quoted separately for each article according to the unit asked for together with manufacturer's name, license number and name of the brand/make.
8. No person making a tender shall be allowed at any time on any account whatsoever, any claim for revision or modification of the rates quoted by them. No clerical error, typographical error will be considered after the opening of the tender. Conditions such as subject to the availability of stocks, supplies will be made as and when supplies received from the principals etc., will not be considered under any circumstances.
9. The quotation should be typewritten and every correction in the tender should invariably be initialed by the tenderer failing which the tender will be rejected.
10. The tenderers should specify the minimum period required for arranging shipment/supply from the date of receipt of firm order/supply contract. Further extension of time will not be provided for supply than the minimum time indicated in the tender by the supplier after firm orders are placed by NATIONAL INSTITUTE OF UNANI MEDICINE, Bangalore.

11. Each tender must contain not only the rates for the main item of the tender but also the rates for spare parts that are compulsorily supplied with the main equipment. No part is made to be optional, all parts should be quoted. The aggregate value of the entire tender with all parts required should be mentioned, failing which, the tender is liable to be rejected. The Director reserves the right of ordering/not ordering any of the quoted rates. The rates quoted should be inclusive of transportation, delivery of the equipments at the institute premises, installation and commissioning.
12. The successful tenderer should enter into an agreement with the Head of Institution (Stamp duty to be paid by the tenderer) within FIVE days on receipt of the intimation about the acceptance of their rates of the item tendered by them to the effect that XYZ equipment in question will be supplied in good working condition and that necessary repairs if any will be carried out by the supplier of the unit with the required spare parts free of cost during the guarantee period and after the guarantee period at reasonable charges when called for and given an undertaking to the effect that the equipment will not be allowed to be idle for want of repairs spare parts etc. The successful tenderer should furnish a bank guarantee from a nationalized bank to the extent of 10% of the total value, valid until the completion of the warranty period of the equipment.
NOTE: Bank Guarantee from the Nationalized Bank only will be accepted.
13. In case of imported Equipment, Payment to Indian Agents will be made only after satisfactory installation and demonstration of the equipments
14. The loss to NATIONAL INSTITUTE OF UNANI MEDICINE, Bangalore, if any, incurred on account of purchase made elsewhere or by failure, neglect or refusal on the part of the tenderers to supply according to the terms of agreement, will be recovered from them. If any article or things supplied by the tenderer have been partially or wholly used or consumed in the hospital and they are subsequently found to be in bad condition, unsound, inferior in quality or description not in accordance with the samples or otherwise faulty or unit for use, the wholesome of the contract price or price of such articles or things will be recovered from the tenderer. The tenderer will not be entitled for any payment whatsoever, for such articles for infringements of the stipulation of the conditions or for justifiable reasons, the contract may be terminated by the Director and the tenderer shall be liable for losses sustained by the NIUM on the consequences of the termination which may be recovered from the EMD/Bank Guarantee of their invoices become due to them. In the event of such amount being insufficient, the balance will be recovered personally from the tenderer.
15. All tenderers should furnish a declaration in the enclosed format, which should form a part of tender enclosed documents. Tenders received without the declaration will not be considered.
16. The tenderers should also quote their rates towards regular servicing/Maintenance duly mentioning the number of visits per annum after the guarantee/warranty period (during the period servicing/maintenance, replacement of defective parts is to be done free of cost) is over.

17. The tenderers should supply the circuit diagram and instruction manual of equipments in question at the time of supply of the equipment. Electrical circuit diagram also should be supplied.
18. Necessary training/instruction on operation of the system should be given by the installation Engineer to NIUM technical staff at the Tenderers cost after completion of the installation.
19. The Director reserves the right to increase or decrease the Nos. and to reject any or all-tender quotations without assigning any reason.
20. A person/firm having once given a tender shall not withdraw it after its opening/acceptance and if he does not, the Earnest Money paid by him will be forfeited and the tenderer is liable to make good the loss sustained.
21. All the equipments are of double bid system. Hence, Technical and Price Bids will be valid for SIX months from the date of opening of bid. Both tenders one containing the Technical offer and the other price Offer has to be submitted separately in a different cover super scribing price Bid/Technical Bid for supply of XYZ. The Technical Bid received after the date and time fixed for its receipt will be considered late or delayed tender. The price Bids will be opened only after technical evaluation of the entire offer is done.
22. The EMD amount in this respect may be enclosed along with the price Bid, mentioning the Demand Draft Number, Date and Amount in the Technical Bid.
23. The tender without technical specifications will be rejected. The approved technical specification will be the property of NIUM.
24. Any dispute arising out of this contract is subject to jurisdiction of the courts of Bangalore City only.
25. Force de majeure clause applies.
26. The last date to submit the tender along with technical specifications is 27th April, 2010 by 5-00 p.m. The sealed envelops should be sent through Post/Courier or by hand addressed to the Director, National Institute of Unani Medicine, Kottige Palya, Magadi Main Road, Bangalore – 560 091. It should be super scribed with the reference number and the last date of tender submission.
27. NIUM takes no responsibility for delay, loss or non-receipt of the tender documents sent by post either way.

DECLARATION

1. It is here by declared and certified that we

.....
.....
.....

accept all the terms and conditions of NIUM, prescribed in tender form from
S. No. 01 to 20

2. It is assured that the material/equipments shall be delivered to NIUM, within the period mentioned in the supply order, failing which due penalty of 1% of total cost per day, shall be paid by our agency.

Signature of Tenderer

SPECIFICATION OF THE EQUIPMENT/INSTRUMENTS

1. Active avoidance apparatus for rat and mice,

Specification:

Shuttle boxes for rat and mice with force transducers attached above the static grids are needed. Boxes should have two compartment and floor with two independent grids with shock appearance in the programmed compartment only. It must have two lights for visual stimulus one in each compartment and acoustic stimulus of 300-3000Hz frequency, 0-120dB intensity controlled by software .

Cage measurements: for Rats-25 × 25 × 27(h) and for Mice-19× 19 × 27(h)

Box should be sound proof, acoustic attenuating capacity of more than 60dB and fitted with ventilator

2. Activity Wheel Test Apparatus (Rat),

The Rodent Activity Wheel Apparatus and Cage package is required with following specification:

Specification:

Stainless steel wheel construction.

Clear polycarbonate cage.

A Magnetic Switch with LCD Counter for recording animal activity on the Wheel.

Polycarbonate Waste Tray.

Support Stand for Cage and Waste Tray for Rat Cage, Stainless steel, supports one Activity Cage with Wheel and Waste Tray; allows removal of Waste Tray without disturbing the Cage or animal

Polycarbonate Water Bottle for Rat Cage, 500 ml Glass clear and shatter proof. Extremely rugged. Permanent, molded-in graduations for easy measurement.

3. Analgesiometer (Rat Tail Flick Test),

Specification:

nichrome wire as the source of stimulus

Cooling chamber, Rat carrier, ammeter and current adjuster

The instruments provided with spare heating elements that can be operated to work of 230 V, 50 HZ. A.C.

Type - 4

4. Centrifuge- Non-Refrigerated,

Centrifuges should be designed for high speed centrifuging applications. The equipment should be provided with speed control, digital temperature control cum indicator, digital timer with a range of 0-99 minutes and alarm at automatic switching off, dynamic brake, zero start interlock, safety cut off in case of imbalance and lid locking switch etc.:

Specification

Max.speed: RPM 20000;
Max RCF: xg 34500;
Max tube size: ml, 100 ml
Max. Capacity: ml, 400ml
Lowest Temp: non refrigerated
Speed Accuracy ± 50 r/min
Time Rang 0-99min
Noise • 65Db

5. Continuous Avoidance Response Apparatus, One in No.**Specification**

Operating Voltage : 220 Volt 50 Hz A.C. Mains Supply.
Illuminated Animal Chamber.
Avoidance Key placed at a convenient height, which requires interrupted pressing by the animal to avoid punitive shock.
Shock Stimulus continuously variable from 0 to 200 volts.
Delay Time Interval variable from 1 to 99 seconds controlled through front panel.
LCD or LED display to monitor Delay Time, number of Shocks delivered and shock avoided by animal.
The Stainless Steel Wire - Grid Floor.
A removable sliding tray beneath the floor to collect the feces, etc., of the animal.
Sunmica covered wooden Cabinet, dimensions 50 x 30 x 30 cm Approx.

6.Electroconvulsimeter

Electro convulsimeter is required for applying maximal electro-shock through pinna electrodes provided to study the anticonvulsant activity of antiepileptic drugs against maximal electro-shock induced convulsions in rat. The instrument should be provided with:

Digital Voltmeter
Analog Type Ammeter
Analog Timer
Multiplier
Three pair of Corneal

7. Paper Chromatography cabinet (Wooden Chamber for Chromatography)**Specification**

Seasoned teak wood with wax coated interior; All sides glass paneled; Glass panel lid with hinges-rubber lining to prevent air entry. Size-24" x 24" x 12" with accessories like 3-4 stainless steel bolts, nickel rods and two stainless steel tray.

8.Passive /Active Avoidance Response System

Specifications

Performs both Active and Passive Avoidance Testing

Supports operation of up to 30 boxes

Standard visual and acoustical stimuli

All stainless steel construction eases cleaning.

Avoidance Cage Dimensions: 19"L x 9"W x 10.75"H (48cm x 23cm x 27cm).

Motion Detection Method: Multiple Infrared Beams

Stimulus Current Maximum: 1.5 milliampere continuously variable

Cage Material: Stainless Steel

Stimulus Voltage Maximum: 163 volts.

Stimulus Current Regulation: 8% change per 50Kohm.

Audio Stimulus Frequency: 200Hz to 13KHz

9.Plethysmograph,

Plethysmograph Wave sweep of 3 & 6 seconds Waveform Freeze Online Trends of past 30 min 1hr, 2hrs & 4hrs 3 colour Perfusion LED 10 segment Bargraph Sensor Disconnect Alarm Pulse Beep 3 meter Sensor Cables 24 hour History Trends Selective History Trends.

10. Photoactometer (IR Actimeter system)

Specification

Two square frames, a frame support and a control unit for Rats and Mice

The system must be completely modular for Locomotor and stereotype movements.

The Frames (photo beam sensors) must be independent to use separately to control twocages.

FRAMES must be equipped with 32 infrared photocells, 16 placed in axis X and 16 placed in axis Y.

The Photocell must work at a wavelength of 950 nm and its information multiplexed at a rate of 40Hz.

- Controls up to 2 Frames
- Stores the data
- Up to 200 intervals of 1 hour can be programmed
- Ready to be used in sterile rooms and afterwards transfer gathered data to a PC
- Software for data transfer to a PC or laptop
- Adapt to typology of the animal (rats, mice ...).

The system should give data about:

- Fast and slow movements (user-defined threshold)
- Fast and slow stereotypes' (user-defined threshold)
- Number of fast and slow rearing (user-defined threshold)
- Number of fast and slow nose-pokes in the hole-board test

The system should check the photoelectric beams in order to ignore those beams that are obstructed by objects.

Results easily exported to any statistical programme

Accessories

Two Frames as Actimeter

In two cages

Activity and Rearing

Hole Board and Activity

The height of the frames should adjust from 3 to 20 cm

Rats: big frame

Mice: small frame

Frames Support Hole Board

11. Pole Climbing Apparatus

Pole climbing apparatus should be built in solid state buzzer and stimulator to provide electrical shocks of 16 - 200 V DC in pulsating rates 0.1 mA at a frequency of 5 Hz for duration controlled digitally or by built in digital selectable second timer. Output should be available for recording on Kymograph or polygraph complete to work on 230 V AC.

Specification:

Digital Voltmeter: 16 - 200 V DC.

Digital Timer: 0.1 - 999 sec.

Digital Delay Timer: 0.1 - 999 sec (cyclic).

Complete Chamber and Tray made of thick imported Acrylic Sheets.

Climbing Pole of Back elite.

Switch for selecting light or sound mode.

12. Rota Rod Test Apparatus

Specification

Power Supply : 230 V, $\pm 10\%$, 50 Hz., A.C., Mains.

Drive : A.C. Synchronous Motor with speed reduction pulleys.

Rotating Speed : 5, 10, 15, 20, and 25 rpm.

Diameter of Rotating Rod : 25.4 mm. (or 1"), Aluminium Tube with outer periphery Knurled.

Spacing between two flanges or discs, Width of One Working Chamber: 140 mm. (or 5.5" Approx.).

Distance between Rotating Rod and Platform

Base or Height: 200 mm. (or 8" Approx.).

Stay - Time Indicator: Stay - Time Indicator '4 Digit LED Display' Electronic counter giving a maximum count of 9999 seconds

Crystal Controlled built-in Timer generating a clock pulse per second to drive Stay - time Counters.

Each Chamber should have its Stay - Time control -- as soon as the rat falls on the base platform, counting stops for that chamber.

13. Viscometer,

A) Specifications

- Digital rotary type
- Minimum viscosity range: 100 cp (approx.)
- Maximum viscosity range: 40 M cps (approx.)
- Speed: 0.1-200 RPM
- Speed increment: 54
- Accuracy: +/- 1.0 % of range
- Repeatability: +/- 0.2 %
- Important accessories: Vane spindle, RV-1 spindle, 500 CPs general purpose silicon fluids.

B). Accessories

- Digital Viscometer rotary type with appropriate spindles, viscometer stand, guard leg, carrying case, RTD temperature probe & software disk etc.
- Ultra low viscosity adapter, Temperature bath / Temperature control unit with heating and cooling device (-200C to +1500C), Helipath stand and T-Bar spindles, Viscosity standard fluid (1000cp), Rheocalc software.
- Viscosity range: 1cp to 6,000,000cp.
- Accuracy: +/-1%.
- Repeatability:- +/-0.2%.
- Speed/rpm: 0.01 – 200rpm (54 possible).
- Power: 220 volt, 50/60Hz single phase supply.

14. Vertical Laminar Air Flow Cabinet

- Must meet US Federal standard and provide particle free air to meet class 100 conditions
- Cabinet must be made of material that ensure longer life
- Unit must be fitted with pre filter and heap filters with efficiency rating of 99.99% with cold DOP and retain all air born particles of size 0.3microns and larger particles.
- Heavy duty motor operating with minimum noise levels
- Auto switch off mode when door is closed

Working area 4by 2by 2 feet

- Work area illuminated by flour cent lighting
- -interchangeable UV tube and flour cent tube

15. Tareeq e-lolabi

Laboratory model: 20 liters full boiler capacity/15 liters usable boiler capacity

Optional facilities:

- LPG Heating provision
- Refrigerated water circulation for condensing unit (for 20 ltrs)
- Heating controlled by digital controller cum controller
- Heating controlled by P.I.D controller.

16.Hawan Dasta

Single hammer (lab model)
Double Hammer heavy duty

17. Karambeeq

Laboratory Model: 20 liters full boiler capacity/15 liters usable boiler capacity

Optional facilities:

- LPG Heating provision
- Refrigerated water circulation for condensing unit (for 20 ltrs)
- Heating controlled by digital controller cum controller
- Heating controlled by P.I.D controller.

18. Nal Bhapka

Laboratory model: 20 liters full boiler capacity/15 liters usable boiler capacity

Optional facilities:

- LPG Heating provision
- Refrigerated water circulation for condensing unit (for 20 ltrs)
- Heating controlled by digital controller cum controller
- Heating controlled by P.I.D controller.

19. Hamam Naria

Laboratory model: 20 liters full boiler capacity/15 liters usable boiler capacity

Optional facilities:

- LPG Heating provision
- Refrigerated water circulation for condensing unit (for 20 ltrs)
- Heating controlled by digital controller cum controller
- Heating controlled by P.I.D controller.

20..Garab Jantar

Laboratory model: 20 liters full boiler capacity/15 liters usable boiler capacity

Optional facilities:

- LPG Heating provision
- Refrigerated water circulation for condensing unit (for 20 ltrs)
- Heating controlled by digital controller cum controller
- Heating controlled by P.I.D controller.