प्रकाशनार्थ

CHHATRAPATI SHAHU JI MAHARAJ UNIVERSITY, KANPUR
UNIVERSITY INSTITUTE OF PHARNACY

RETENDER NOTICE

CSJMU/P&P/ 146 /2013 **Date: 16.07.2013**

Sealed tenders are re-invited with reference to earlier advertisement no. C.S.J.M.U./P.&P/139/2013, dated 23.05.2013 for the purchase of various instruments for the pharmaceutical labs. The other details can be downloaded from website www.kanpuruniversity.org. Downloaded tender form with demand draft of Rs. 500/- along with separate DD/FDR/of 1% cost of the instrument/equipment as earnest money in favor of finance officer, C.S.J.M.U.Kanpur can be submitted in the tender box kept in estate office upto 30.7.2013 by 2.00 PM & will be opned at 3.00 PM on the same date.

(Registrar)

(सय्यद वकार हुसैन)
कुलसचिव

CHHATRAPATI SHAHU JI MAHARAJ UNIVERSITY KANPUR

SHORT TERM TENDER NOTICE

Sealed tenders are reinvited from the manufacturers/authorized dealer/distributors for the purchase of various equipments for Pharmacy Labs. The prescribed tender document with terms and conditions along with the equipment specifications may be downloaded from the University website (www.kanpuruniversity.org). Complete tender document accompanied with a demand draft of **Rs.500**/- in favor of The Finance Officer, C.S.J.M. University, Kanpur, payable at Kanpur must reach the Registrar, C.S.J.M. University, Kanpur, latest by 2:00pm on **30.7.2013.** Tenders will be opened at 3:00pm on the same date.

CHHATRAPATI SHAHU JI MAHARAJ UNIVERSITY KANPUR
TENDER DOCUMENT

Tender number: Last date of submission & Opening: 30.7.2013
Cost of tender: 500/

TERMS AND CONDITIONS

1. The offers from the manufacturers/authorized dealers/distributors shall only be accepted. The tendering firms must be registered under trade tax act. If applying on behalf of a company as a dealer/distributor the relevant authorization document should be attached.
2. All the documents enclosed with the tender must be duly signed by the authorized representative/s of the firm with his/.her name, designation and official seal and same should be submitted along with the tender.
3. The following documents must be submitted with the offer:
   a. Trade Tax Registration certificate
   b. Xerox copy of the order's for similar works and their performance certificate must be attached along with tender.
   c. Authority letter of the manufacturer regarding dealership.
   d. printed pamphlets of the equipment/machines/apparatus released by the manufacturer.
   e. Other relevant documents/technical literature.
4. Offers should be valid for a minimum period of 120 days. The tenderer is required to supply equipments within 45 days from the receipt of the work order.
5. 1% of the earnest money shall be deposited in the form of DD/TDR in favor of "The Finance Officer, C.S.J.M. University, Kanpur", payable at Kanpur, for the estimated value of the items quoted.
6. The tender should be submitted in the format as per the prescribed proforma with all the technical details.
7. The University reserves the right to accept or reject any or all the offers and to split up the requirements or relax any or all above conditions without assigning any reason.
8. The quantity of goods may be increased/decreased according to the requirement.
9. The firms should provide at least one year warranty/guarantee and after that another one year free maintenance.
10. Clearance of customs or other duties/shipment will be the liability of the supplier.
11. Technical and financial bids should be submitted separately along with the technical compliance statement form and Financial bid form respectively.
12. The rates offered should be F.O.R. at the concerned department of the CSJM University, Kanpur of the goods ordered.

Technical and Financial Bid:

1. There should be separate submission of the Technical and Financial bid.
2. Technical bid would be considered first by the Technical Committee and if the bid is found satisfactory in all the respects, then only financial bid would be taken into consideration.
3. For each item quoted technical details should be as per the required specifications of the University.

Terms of Payment

1. All the goods delivered shall be accepted only if found in good and satisfactory conditions.
2. Payment will be made after satisfactory installation. Before payment the supplier will have to submit bank guarantee equivalent to 10% of the tender amount for the entire period of warranty.

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Gram: UNIVERSITY

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छत्रपति शाहू जी महाराज विश्वविद्यालय, कानपुर
CHHATRAPATI SHAU JI MAHARAJ UNIVERSITY, KANPUR

कल्यानपुर, कानपुर
KALYANPUR, KANPUR

Ref. No. ..... Dated ..... 20.....

Details of Tender Document are given below:

1. Name of Applicant :-
2. Father's Name :-
3. Address :-
4. Mobile Number :-
5. Trade Tax No. :- Validity period:-
6. TAN No. :-
7. PAN No. :-
8. Work Experience with proof :-
9. Demand draft details :-

   Name of Bank: _____ Draft Number: _____ Date _____

   Amount: _____

10. Details of earnest money deposit: -

    Name of Bank: _____ Draft/FD Number: _____ Date _____

    Amount: _____

    (Note:- Attach separate sheet if required.)

I / We fully agree to all the above terms and conditions.

List of enclosures

Tenderer's Signature with Stamp.

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Specifications of the equipments

S.No.	Equipment	Rate	Amount	Tax	Total cost	Earnest money
1.	**Incinerator**					
2.	**All Purpose Equipment with all accessories**					
3.	**Aseptic cabinet Export quality**					
4.	**Bottle sealing machine**					
5.	**Energy meter**					
6.	**Humidity control oven 90 ltrs/ R & D model**					
7.	**Paper Electrophoresis with power supply**					
8.	**Automatic Bioanalyser**					
9.	**FTIR**					
10.	**HPLC**					
11.	**Recirculating Cooler with complete accessories**					
12.	**Programmable Dissolution Tester having LCD Display of Time, Temp & RPM With Printer Port [6 Station]. Unit as per USP**					

The specifications for the equipments are as in Annexure-I

ANNEXURE-I

1. **Incinerator,** 30x15x15, 1150^{0}C, Digital Controller: Construction in Mild steel, Heating element in nichrome kanthal finished in Powder coated Paints, working temp 1150^{0}C Max 1200^{0}C. Silver fuse. Door Switch Lead wire Spare Regulator. Thermocouple for 1200^{0}C Thermal Fuse. Regulator With Pyrometer Digital Controller.

2. **All Purpose Equipment with all accessories:** Based on Powerful Main drive fitted with very high torque DC Geared motor and fitted with Digital Speed Controller, Microcontroller based Programmable Digital Timer and Temperature Controller. Temperature Controller is meant for controlling the Temperature of HOT AIR required for drying purposes specially for Coating Pan applications. All Purposes Equipment with following accessories:
   a) Ball Mill b) Coating Pan c) Polish Pan d) V-Blender e) Double Cone Blender f) Cube Mixer
3. **Aseptic cabinet Export quality**: SIZE : 95 X 50 X 50 cm Structure with sloping front acrylic sheet and side door (Fully Viewable) 3' germicidal ultra-violet tube and 2' flourescent tube for white light, with necessary choke blast, starter, switches fitted. Also mains lead and plug provided. Two holes with rings and sleeves for insertion of arms provided.
4. **Bottle sealing machine**, HAND OPERATED, All contact parts S.S. Capacity : 10 ml. to 100 ml.: PORTABLE MODEL. P.P. Cap sealing & threading machine. Double Operation with 4 dies.(i.e .22, 25, 28 & 31.5 mm dia)
5. **Energy meter:** Table model
6. **Humidity control oven 90 ltrs/ R & D model**: Temp. range: 8°C above ambient to 60°C ±0.5°C. Temp. control: Digital (dry and wet bulb), Humidity range: ambient to 95%R.H. ±3% R.H. Inner chamber S.S. Outer chamber mild steel powder coated. 3 cu/ft. 90 ltrs. 40x 40x 57 cms. Digital display : % RH indicator and controller.
7. **Paper Electrophoresis with power supply:** Dimensions: 20cm (L) x 29cm (B) x 7cm (H), No. of Strips : , Buffer Volume : 300 ml. **complete unit consists of:** Basic unit with Platinum Electrode. Paper supporting frame (1 No.) Paper clamping rod (12 Nos.) Power cord with Lid (1 No. each) User Manual.
8. **Automatic Bioanalyser:** Extended Absorbance Range of 0～3.5 ABS units. End point, Fixed-time, Kinetics , Absorbance, Turbidimetry with Linear Non Linear Calibration • Wavelengths range 340 to 670nm • Test mode: Flowcell or Cuvette • Supports Bi-chromatic tests with real time reaction curve display. • 7.0" TFT touch screen & popup keypad • Up to 200 tests can be programmed. • 1st Instrument in its class to have interactive "On- Line Help" function. • User friendly interface: External Keyboard or mouse support via USB. Internal

Thermal Printer or Supports External HP Printerclinical chemistry analyzer should be USFDA approved. Endpoint, with reagent blank • Endpoint, with sample blank and reagent blank • Kinetics, with or without reagent blank • Two point Kinetics / Fixed Time, with or without reagent blank • Absorbance • Turbidimetry, Linear and non-liner calibration Mode, • Bi-chromatic Mode, Tungsten-halogen lamp 6V/10W, Selection: Automatic by 8 position filter wheel, • 6 standard filters: 340nm, 405nm, 510nm, 546nm,, 578nm and 630nm, • 2 positions free for optional wavelengths:, 450nm, 670nm., • Bandwidth < 8nm, • Stray light < 0.1% @ 340nm, 0 – 3.5 ABS, • Stability: <0.0005A / 20 min @ 340nm, • Room temperature, 25 °C., 30 °C., 37 °C., Stainless Steel with Quartz Window, • Measuring volume 32 µl, • Optical Path 10mm, • Aspiration volume 200 – 9000 µl, Programmable

TEMPERATURE CONTROL • By means of Peltier elements, • Room temperature, 25 °C, 30 °C, 37 °C **MEMORY** • 200 Tests • 3000 Sample Results • 1000 Quality Control Results **INPUT** • Touch screen with touch pen and popup keypad • Mouse • Keyboard via USB **PRINTER** • Built in Thermal Printer • Supports External Specific Printer of HP Series

INTERFACE • RS232 serial port supporting data transmission • USB port (2.0) for keyboard, mouse, printer

OPERATING ENVIRONMENT • Temperature 15 °C - 30 °C • Humidity 35% - 85%, no condensation

POWER REQUIREMENT • Wide Power Supply Ac 100-240V, 50/60Hz7kg

DIMENSION: • 422mm X 340mm X 160mm (LXWXH)

WEIGHT: • Weight 7 Kg

Tests: Blood sugar, Blood urea, Blood Creatinine, Blood Uric Acid. , SGOT , SGPT , Alkaline phosphatase ., Total Bilrubin , Direct Bilrubin, Cholestrol , Triglycerides , HDL , LDL, Total; Protein, Albumin, HSCRP, Calcium , Phosphorous , CPK (Total).

9. **FTIR**: We require a High-end advanced PC based system FTIR system with Latest Windows based Software for operation on 220V / 50Hz:

- It should cover Full mid-IR wave number range from 7,800cm^{-1} to 350 cm^{-1}
- The Interferometer should be Michelson's interferometer with 30^{0} incident angle. The Optics should be completely sealed and desiccated.
- The signal-to-Noise ratio should be minimum 30,000:1 or higher (peak-to-peak, Around 2,100 cm^{-1} , 4 cm^{-1} resolution, 1 min accumulations)

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- The Alignment should be Dynamic Alignment for stable performance and immune to tilt, shear and vibrations.
- The Joint Support System should be frictionless Flexible Joint Support (FJS) moving mirror mechanism for smooth moving mirror motion and high quality IR spectra.
- The spectral resolution should be of 0.5 cm^{-1} selectable in steps of 0.5, 1, 2, 4, 8 & 16 cm^{-1}
- The Beam Splilter should be Ge coated KBr beam splitter with moisture resistant coatings on surfaces.
- The IR Source should be High intensity long life Ceramic source.
- The Detector should be High sensitivity temperature controlled DLATGS detector.
- The Moving Mirror speed should be selectable from 2.0, 2.8, 5.0 & 9.0mm/sec.
- The Data sampling should be by stable He-Ne laser.
- The System should have Four-way protection to beam splitter including built-in **Auto dryer inside the interferometer for stable operation in extreme humidity conditions**.
- The System should have Latest Windows based software for complete instrument control full data processing including Arithmetic calculations; Dynamic spectral subtraction; Peak detection; Baseline correction; Normalization; Derivatives etc.
- The system should have built-in advanced data processing capabilities include Full Quantitation; Spectrum search; Private library search; Multi-linear regression; Deconvulation; Kubelka-Munk conversion; Kramer-Kronig Analysis; ATR-correction; JCAMP conversion; ASCII conversion.
- The system should have Built-in atmospheric correction function for automatic elimination of water vapor and CO_2 peaks.
- Built-in self diagnostic function for checking, logging and status monitoring of interferometer conditions and key components in the interferometer & sequential display of result.
- USB interface for PC connectivity.
- Branded Desktop PC with latest specifications,Laser Jet Black & Printer and suitable On line UPS.
- **Accessories:** a)**For Liquid Samples** :Demountable Cell(Nacl) for Qualitative Analysis & Fixed Thickness Cell(Nacl) for Quantitative Analysis

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b)For Powder Samples: Hydraulic Press, Pellet, Die and Pellet Holder etc.

10. **HPLC:**

Integrated Quaternary Gradient HPLC System with Pump, Low pressure gradient valve, Mixer, 5 -channel Online Degasser, UV –Detector, Auto Sampler and Column Oven with controlling software.

Pump style: Serial dual plungers**,** Flow rate accuracy**,** Flow rate +/- 1% or +/- 2ul/ min. whichever is larger 0.001 ml/min to 5.0 ml/min**,** Pulse reduction system**:** Micro volume plunger, Motor Speed control by pressure feedback**,** Gradient range**:** 0-100%, 0.1% step**,** Gradient mode**:** Low Pressure**,** Gradient accuracy: +/- 0.5%

Column Oven : Mechanism **:** Heating Block, Temperature control Range: (ambient – 15) – 60 deg. C

Temperature control accuracy : +/- 0.1 deg. C

Auto sampler with Sample Cooler

Sample injection method: Total volume injection, Injection accuracy: +/-1% Minimum sample volume : 0.1ul, Reproducibility : with in 0.3% RSD. Number of samples: 140 samples of 1.5ml, Sample injection speed : 15 sec (10uL injection)

UV detector: Wavelength range**:** 190-600 nm, Wavelength accuracy**:** +/- 1nm**,** Noise: +/-0.25 x 10^{-5} AU (8ul cell)**,** Drift**:** +/-1 x 10^{-4} AU/h**,** Simultaneous dual wavelength measurement**,** Possible Linearity**:** 2.5 AU

Other features: Automation**:** Auto start-up **,** Auto shut-down**,** Validation function**:** Auto validation, **,** System check**,** Maintenance**,** Measurement**,** Software**:** Controlling software 21CFR Part11 Compliance Software with IQ/OQ and System suitability , Columns C18 column of 250 x 4.6mm, 5u size , 02 No

Recirculating Cooler with complete accessories

11. (1/3hp) with Centrifugal Pump Powerful recirculating coolers, a wide range of cooling capacities with temperature reliability. Innovative control system, with a dynamic pumping capacity, and ideal for external temp. applications. Broad range of models to choose from based on working temperature range.

Temperature (Bath fluid : ethylene glycol mix 1 : 1 water): Working Temperature Range (°C / °F): -20 to 40 / -4 to 104, Temperature Stability at 15°C (±° C / °F): 1 / 1.8

Cooling capacity (Bath fluid : ethylene glycol mix 1 : 1 water): at 20° C (kW): 0.7, at 10° C (kW): 0.6, at -10° C (kW): 0.32, at -20° C (kW): 0.14,

Pump: Max. flow rate (L / min, gal / min): 50 / 13.2, Max. pressure (bar / psi): 1 / 14.5., Max. filling capacity (L / cu ft): 10 / 0.35,

Dimension: For tubing dia (mm / inch): 20 / 0.8, Overall (W x L x H, mm / inch): 400 x545 x 690 / 15.7 x 21.5 x 27.2. Net Weight (Kg / Lbs): 64.85 / 143 Electrical Requirement (230 V, 50 Hz: 5 A

- Temperature range is from -20°c to 40°c.
- Bright LED water level indicator can be easily identified.
- Low fluid level and dry-running protection when triggered shows an error symbol on the display and an audible sound.
- If the equipment operates at 40°c or above due to the external environment, user can simply identify the error with a visual or an audible sound.

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- Designed to simplify operation with a touch screen type display.
- Easy-to-read VFD display with interactive touch keys.
- Setting and resolution indication 0.1°C/°F.
- Quick keypad lock prevents accidental parameter changes.
- Signal indicator for operation status.
  - The refrigerating system is designed to reduce energy con-sumption and to maximize in refrigerating efficiency.
  - Eco-friendly R-404A / R507 refrigerant is used to prevent environmental pollution. Double service valve is used to prevent refrigerant leakage.
  - Removable gridded vent for reducing condenser conta-mination and to facilitate cleanliness.
  - A wide (Ø120mm / 4.72") solution inlet is for easy and safe pouring of solution into the recirculating cooler.
  - Pressure gauge comes standard for observing the pump pressure.
  - The refrigeration system can be observed easily to diagnostic at a glance by high / low pressure gauges.
  - Wheels allow for easy mobility.
  - The beautifully designed and compact.
  - Different types of pumps come standard with the recirculating cooler to provide versatility.
  - Warning alarm/monitoring system.
    - Over temperature.
    - Lack of bath solutions.

12. Programmable Dissolution Tester having LCD Display of Time, Temp & RPM With Printer Port [6 Station]. Unit as per USP , complete accessories.

Meche-Chem