



**MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY, WEST BENGAL**

(Formerly WEST BENGAL UNIVERSITY OF TECHNOLOGY)

**Main Campus: NH 12, Haringhata, Post Office - Simhat, Police Station – Haringhata, Pin - 741249**

**City Campus: BF-142, Sector -I, Salt Lake, Kolkata -700 064**

**TENDER FOR SUPPLY OF LABORATORY INSTRUMENTS**

Tender Ref. No.: MAKAUT-WB/2020-21/PHARMA/005/Instrument-1

Dated: 07-09-2020

Maulana Abul Kalam Azad University of Technology, West Bengal (MAKAUT, WB) invites quotations for supplying of Instruments to the Dept. of Pharmaceutics at the Haringhata Campus of the University.

Please follow the Part-A, Part-B, Part-C and Part-D of this tender for further details.

**Part-A: General Information**

- 1) Name of the Vendor:
- 2) The firm is running business from / for:
- 3) Address:
- 4) Official Contact Number(s):
- 5) Official E-mail address:
- 6) Contact Person detail [Name, Designation, Contact No. & E-mail address]:
- 7) Whether has *Valid* Trade License for Financial Year 2020-2021? **Yes / No**
- 8) PAN:
- 9) GSTIN:
- 10) P. Tax Registration Number:
- 11) Tender Fee (Rs.500/-) deposit detail:
  - a) Transaction reference no. and date:
  - b) Bank A/c No., Bank Name & Branch from where the amount was debited:
12. Any other necessary information that the vendor would like to mention:
  - a)
  - b)
  - c)
  - d)
  - e)
  - :
  - :
  - :

**Part-B: BoQ for the items to be supplied**

Sl. No.	Item	Qty.	Item Rate (Rs.)	Item Value (Rs.)	% of GST	GST Amt. (Rs.)	Total Value (Rs.)
1.	Tablet disintegration apparatus	1 No.					
2.	Tray Dryer	1 No.					
3.	Tablet dissolution test apparatus	1 No.					
<b>TOTAL (including all)</b>			--	XXXXX	--	XXXXX	XXXXX

**Part-C: Specifications of the items to be supplied**

**1. Tablet disintegration apparatus**

**‘VEEGO’ PROGRAMMABLE DISINTEGRATION TEST APPARATUS, MODEL: VTD-D**

**Features:**

- This is cost effective digital Disintegration Test Apparatus with following features:
- The instrument is incorporated with microcontroller based circuitry, which precisely maintains and controls the tank temperature and indicates beaker temperature.
- User friendly keyboard and messages appear on 4 line wide angle LCD screen that makes it extremely simple to operate.
- Maintenance free single stepper motor.
- The status of the tablets that can be checked with the help of 'PAUSE KEY'.

**Technical Details:**

- Number of glass beakers: 2 (1000 ml Beakers).
- Number of baskets: 2 (Each containing 6 glass tubes and 6 guided discs, designed as per USP, IP and BP standards).
- Number of cycles: 30 cycles / min.
- Stroke length: 55 ± 2 mm.
- Power supply: 230V, 50Hz, 1 KW max.
- Timer maximum interval setting: 4 Hours.
- Temperature range: Room Temperature to 40°C.
- Temperature resolution: ± 0.2 °C.
- Dimensions (L x W x H): 390 x 360 x 570 mm
- Weight: 15 Kg.
- 4 Line LCD display.
- Input: Tactile Keypad

## **2. Tray Dryer**

**“INSTIND” TRAY DRIER, AUTOMATIC TEMPERATURE CONTROL WITH HORIZONTAL CROSS FLOW CIRCULATION DESIGNED FOR CONTINUOUS OPERATION: made in India.**



These are extensively used in food processing and other commercial Establishment for bulk drying of Grains, Corns, Food-stuffs and other products a Controlled temperature with high accuracy of performance. Added with forced air circulation this ensures maximum uniformity and quicker drying.

### **CONSTRUCTION:**

Rigid channel and angle iron construction with heavy gauge mild steel outer and inner chamber made of aluminium/ stainless steel. Double walled construction with triple walled effect, with welding, bolting and screw jointing wherever necessary. Non-hygroscopic glass fibre insulation between the two walls. The door is double walled and duly insulated and opens for full access on sturdy hinges. The Tray Drier is provided with 4 heavy duty castors for ease in mobility.

### **TEMPERATURE CONTROL:**

Temperature within are controlled from 50°-300° by a sensitive PID Temperature Controller. This controller has combined setting as well reading facilities.

A second Thermostat of precision capillary vapour pressure type (Made in Germany) with arbitrary reference dial is provided to act as a safety thermostat against over-heating.

### **FORCED DRAFT CIRCULATION:**

This is done by continuous duty smooth running motor coupled with blower fans. The most tried forced air is diffused through properly arranged baffles so that air travels within the chamber horizontally and maximum benefit of usable heat is utilised in efficient cycling of cold air circulation along the heater strips and inside the chamber and expelling the spent up air through exhausted port. The blower fans operate continuously.

### **AIR INLET:**

For expelling of fresh air one inlet with filter is provided. The filter is specially designed for cleaning and for easy replacement.

### **AIR OUTLET:**

For expelling vapour and moisture –outlet with adjustable damper is provided at the top of the dryer.

### **HEATER:**

The heating elements are made of best quality Nichrome or Kanthal wire. These are sealed in steel housing and operate on black heat, thereby eliminating the minimum possibility of any fire hazards. These heaters are suitable placed at the both sides and are easily replaceable.

## **CONTROL PANEL:**

- A) A fully automatic PID Temperature Controller cum Indicator to control as well as read the working temperature.
- B) Manually operated control switches for heaters and blower fan.
- C) Indicating Lamps for Heaters, main line and Safety Thermostat.
- D) A Safety Thermostat is incorporated in the temperature controlling system to protect the drier from over-heating in case the controlling thermostat fails to work.

## **PAINTING:**

The outer surface of the tray drier is scrapped and treated for anti-corrosiveness with primer and finished with synthetic air-drying enamel.

## **SHELVES & TRAYS:**

Supplied with 6 numbers of perforated trays of stainless steel equi-distance. The Dimensions of the trays are 29" x 16" x 1.25" High.

## **TECHNICAL SPECIFICATION:**

Model	: TD-06 (Designed to accommodate 6 trays on angles.)
Number of Doors	: One
Heating	: Electrical
Maximum Temperature	: 150°C
Maximum Heater Load	: 2 Kilowatt
Mode of Temperature Control and Indication	: By Digital Temperature Controller-cum-Indicator.
Accuracy of Control	: ±1%
Air Circulation	: By a fan driven by totally enclosed Continuous duty motor.
Operating Voltage	: 220/230 Volts, Single Phase, 50 Cycles, A.C.

Instrument must be ISO 9001-2015 and CE Certified.

### **3. Tablet dissolution test apparatus**

#### **“VEEGO” MICROCONTROLLER BASED DISSOLUTION TEST APPARATUS, MODEL: VDA-8D**

This Advanced, Eight Tests Microprocessor based instrument is designed to conduct dissolution tests, as per IP/BP/USP Standards. The apparatus is equipped with very reliable maintenance free stepper motor drive for stirrers. The speed of the stepper motor is controlled and maintained by advanced microcontroller based system.

#### **Technical Specifications:**

- 8 Nos. Easy to attach and detach 'Press Fit' wobble free Stirrer shafts.
- 8 Nos. simple attachable or detachable Paddles assembly (USP II).
- 8 Nos. Baskets with simple attachable or detachable assembly (USPI).
- Water Circulating Pump to maintain constant temperature of water-bath.
- 8 Nos. Unbreakable clear MOULDED Dissolution Vessels or Glass Vessels. (Provided as per user requirement).
- Molded Water Bath with non-corrosive Tank plate.
- An external Probe to indicate vessel temperature.
- Bank of 12 operator names with individual password.
- 149 Test Methods with 24 different time intervals for sampling.
- Large Graphic LCD (240 X 64) to indicate set parameters like: RPM, Vessel Temperature, time interval, test time, etc.
- Wobble and vibration free instrument.
- Over temperature protection for Heater through software as well as hardware.

- Precise individual vessel centering system.
- Password protection at different levels.
- Facility to review set parameters.
- Nonvolatile memory.
- Serial printer port for connecting dot matrix printer.
- On line / off line print facility
- Date and product selection in off line printing.
- Facility to enter Company name on the test report.
- Memory to store 48 test records.
- Both, user friendly key board and PS-2 key board incorporated for easy data entry.
- Power failure indication program is incorporated.
- RPM: 25 TO 200.
- Temperature Range: 30 .0°C – 40. 0°C with accuracy  $\pm 0.2^{\circ}\text{C}$ .
- Wake-up mode to turn on the heater on predetermined time intervals.
- IQ, OQ documents will be provided with the instrument without any charges.

**Part-D: General Terms & Conditions**

- 1) The bidder should be a registered firm under prevailing rules having an office in West Bengal, preferably in Nadia, North 24 Parganas or Kolkata and will provide essential registration numbers like PAN, GSTIN, Profession Tax, etc.
- 2) The web tendering process will be two-stage bidding: (a) Technical and (b) Financial.
- 3) In order to maintain the confidentiality, the financial bid (BoQ) must be a password-protected file. The bidders have to send both Technical and Financial bids to [purchase@makautwb.ac.in](mailto:purchase@makautwb.ac.in) mail address and the password of the password-protected financial bids file to [registrar@makautwb.ac.in](mailto:registrar@makautwb.ac.in) mail address.
- 1) The total of "Item Value (Rs.)", "GST Amt. (Rs.)" and "Total Value (Rs.)" should be mentioned in the BoQ. The sum of the "Total Value (Rs.)" column will be considered the total bid price. No other charge in addition to that value will be accepted by the University (except any hike in Govt. levies, duly supported by the respective Govt. order / notification).
- 2) Last date of submission of bids: 14<sup>th</sup> September, 2020 (through e-mail only).
- 3) Any firm already having any legal dispute with the University need not to submit the bid.
- 4) The Technical Bid should contain the following items in the respective sequence:
  - a) Duly filled formats as mentioned in **Part-A**.
  - b) Valid Trade License (for the financial year 2020-2021) of the firm. *In case the latest Trade License (2020-2021) not yet available to the firm, trade license for 2019-2020 may be enclosed along with a copy of application for renewal / fees payment receipt for the financial year 2020-2021.*
  - c) PAN Card copy
  - d) GSTIN Copy
  - e) P. Tax Registration Copy
  - f) Any other document, the bidder feels necessary to furnish.
- 5) Apart from the above list mentioned above, the University may ask the bidder for any other document(s) / information, if feels necessary. The bidder has to furnish the document(s) / information immediately failing which his bids will be rejected.
- 6) All the documents should be authenticated with official stamp and signature / signatures thereon by the bidder.
- 7) Submission of false document(s) / information by the bidder will result into cancellation of bid and the University may take strict action against that bidder.
- 8) Any document sent in .jpeg / .jpg / .doc / .docx / .xls / .xlsx format will not be accepted.
- 9) Incomplete / Partial bidding will not be allowed. The commercial bid should be exactly as per the given BoQ format. Rate-based quotation is not preferred.
- 10) **Tender Fee (Non-Refundable) detail:**
  - a) Tender Fee Amount : Rs.500/- (Rupees Five Hundred only)
  - b) Bank & Branch : Indian Bank, Salt Lake Branch
  - c) Bank Account No. : 6360279330
  - d) Bank Account Name : MAKAUT, WB
  - e) IFS Code : IDIB000S147
  - f) Mode of deposit : NEFT / Net Banking / UPI (through various payment gateways)

The bidder must mention the transaction details in Part-A of this tender which will be subject to cross-checking at the University end during the time of technical evaluation. Bid without tender fee and/or without relevant deposit details will not be considered.

- 11) The University reserves the right to accept or reject any bid without showing any reason.
- 12) Any dispute which may arise between the bidder and the University regarding this bidding shall be referred to the Vice Chancellor of the University whose decision shall be final and irrevocable in this regard.
- 13) Being the lowest bidder (L1) in term of quoted amount (incl. all) may not be the only condition to receive the order, other criteria like having PAN, GSTIN, location of office, etc. may also be considered during selection of the eligible bidder. Decision of the University in such case will be the final.
- 14) In case the selected bidder is unable to supply the items after being selected to supply the items or after receiving the respective order from the University, the bidder should immediately inform the University Authority about the same by e-mail. Decision of the University in such case will be the final.
- 15) Items should be as per the specifications mentioned in **Part-B** of this tender.
- 16) Warranty on the items should be available as per the OEM policy. Post sales service should be ensured by the bidder / manufacturer as and when required by the University.
- 17) Delivery of the items to the destination is solely the bidder's responsibility and no extra charge will be paid by the University for the same. Any damage of any item during transit will be the responsibility of the bidder.
- 18) Govt. levies will be as per existing Government Rules. The University will provide DSIR Certificate against which all permissible tax relief has to be ensured.
- 19) If any vendor is registered under GST Composite Scheme, the same is to be mentioned in Part-A (Item No.9). The same may also be mentioned in the BoQ.
- 20) Payment will be subject to successful delivery and installation (if required) of the required items and necessary approval by the Approval Authority of the University. No additional charge will be paid by the University towards installation charges.
- 21) Apart from submitting the hard copies, a copy of the order, challan and bill / invoice should be mailed to: [finance@makautwb.ac.in](mailto:finance@makautwb.ac.in).
- 22) The bidder should submit GST-compliant bill / invoice for GST bill / invoice. Copy of the order received by the vendor always should be attached to the challan and bill / invoice.
- 23) PAN, GSTIN and Bank details of the bidder are to be mentioned in the bill / invoice.
- 24) Statutory deductions (if any) during payment process will be made as per existing Government Rules.
- 25) The payment will be made only in favour of the bidder's name. Any exception in this regard will subject to the consideration of the University Authority only.
- 26) For any query related to the bid submission, the bidder may contact the University by e-mailing to [purchase.makaut@gmail.com](mailto:purchase.makaut@gmail.com).

**Sd.**  
**Registrar**  
**MAKAUT, WB**