



**Shreemati Nathibai Damodar Thackersey Women's University**

1, Nathibai Thackersey Road, Mumbai 400 020

**Invitation for Quotations for  
Purchase of TRAY DRYER**

**Ref No: Poly/Food Tech-Equip/2022-2023/**

**September 6, 2023**

Sealed Quotations are invited for purchase of **TRAY DRYER, Spray Dryer, Digital Balance, Make acet** through MODROB grant received from AICTE at P V Polytechnic **Juhu campus** from authorised vendors. The suppliers are advised to study all technical and commercial aspects, instructions, terms and conditions, site requirement and quote accordingly. **Failure to furnish all information required in the quotation may result in the rejection of the quotation.** The University/CVTE reserves the right to alter the quantity or reject the quotation in whole without assigning any reason thereof.

<b>Name of Item</b>	<b>Purchase of TRAY DRYER, Spray Dryer, Digital Balance, Make acet For Food Tech Dept</b>
<b>Venue of Submission of Quotation</b>	<b>Premlila Vithaldas Polytechnic, SNDT Women's University, Juhu Road, Santacruz (West), Mumbai 400049</b>
<b>To be Addressed to:</b>	<b>Principal (Addl Charge) Premlila Vithaldas Polytechnic, Juhu Campus, Santacruz(W)</b>
<b>Contact Telephone</b>	<b>9321232238</b>
<b>Deadline of submission</b>	<b>September 30, 2023 till 10.30 AM</b>

**Instructions:**

*Any changes in dates of submission and processing shall be notified in 'Tenders/Quotations' section on the University website ([sndt.ac.in](http://sndt.ac.in)) or P V polytechnic website.*

To view Quotation Notice, kindly visit following website of **P. V. Polytechnic /SNDT Women's University, Mumbai:** [pypsndt.org](http://pypsndt.org) /[www.sndt.ac.in](http://www.sndt.ac.in)

Quotations should clearly mention all Technical Specifications mentioned in this document.

The quotations are invited for the following items and specification

Table 1

Sr No	Specification
1	<p><b>Tray Dryer</b>            Loading Capacity 12 Trays            No. of Motors/HP, ph 1/0.5 HP 3Ph            No. of Doors One            No. of Blowers One            Voltage 415 V            Electrical Heating Load            3KW/6KW/9KW            Steam Heater No. of Coils 2            Steam Pressure 3.3 Kg/cm<sup>2</sup>            Insulation in MM 50/75/75            Tray Size in mm 812 X 406 X 31            Specification : for Preservation of most agro based products.</p>
2	<p><b>Spray Dryer</b>            Type : Plug in System Table Top Lab Spray Dryer            Suitable : Aqueous / Aqueous + Solvents/ Solvents Feeds            Main Body Stand : Mild steel Powder Coated (Siemens Grey)            Evaporation rate : 1000ml / hr water evaporation @ 250oc inlet temp            Temp. range : Ambient to 280Oc, accuracy <math>\pm 10C</math> in steps of 0.10c            Temp Sensors 03 Nos., (inlet/outlet/safety sensors)            Aspirator : 80 NM<sup>3</sup>/hr, 0 to -150 mm of WC thru VFD            Aspirator Motor: 0.5HP x 2800 rpm 3 phase – motor with single phase 230V AC Input &amp; Three Phase 230V AC output.            Air for atomization or Gas: Air compressor 100% Oil free, non-lubricated, noise fresh silent with 30L tank, 5 to 8 bar, 200 – 800 lit/hr. Portable on sheels.            Nitrogen or Carbon dioxide gas to be used for Atomization instead of Air as &amp; when required.            Air blower: Side Channel Blower. The blower should be provided with a VFD for adjustment of the air flow rate.            Air pressure Regulator: 0 to 10kg/cm<sup>2</sup> with 40 microns filter &amp; Moisture drain valve.            Feed Pump: Peristaltic pump with variable flow rate. Feed Pump Calibration (in-built) &amp; Setting in ml/min with reverse function. 1250 ml/hr or more            Air Distributor: Air Distributor suitable for 7" Drying Chamber, Distributor disc approx. 130mm Diameter with 18 Equidistance holes.            MOC of Drying chamber &amp; Cone: Borosilicate Glass Spark tested, Stress Relieved &amp; Annealed. 7" Diameter Single piece construction with SS Clamps for ease of assembly &amp; Washing.            High Efficiency Single Cyclone Separator &amp; Receiver : Borosilicate Glass Spark tested, Stress Relieved &amp; Annealed with 100ml Glass Bottle GL-45 Threated receiver so that there are no leakages.            MOC of heater : SS 304 fitted with kanthal A1 heater of 3Kw            Connecting tubing : PP Piping            Bag Filter : For collection of fines from the exhaust air. The filter should be housed in a Borosilicate enclosure to avoid any leakages. Washable PP Bag to be provided as bag filter.            Spray System : SS 316L Co-current two fluid nozzle (0.7mm) with auto de-blocking system. Fixed Time (10 Secs)  <b>Control System : The system should be fully controlled (heater, flow rate, aspirator rate, deblocking stocks, etc.) through PID Controller / In-built controller/ VFD. Mains supply to the system through MCB</b></p>

**Digital Balance**

HSN code 90160010

Model : CG 203L

Capacity : 200 g

Readability : 0.001 g

Pan size : 90 mm

Calibration: External Cal.

Display : LCD BACKLIT

Battery Backup : Rechargeable

Including Stamping

**Make Aczet**

HSN code 84238900

Model CG 6001L

Capacity : 6 kg

Readability : 0.1 g

Pan Size : 175 x 155 mm

Display LCD Backlit

Calibration External Cal.

Including Stamping

**Any other material if required should be clearly mentioned in the additional table. The entire system will have comprehensive onsite warranty of 3 years.**

The quotations are invited in two parts under Three Envelop System. Technical envelop shall be enclosed and sealed in envelop No.1. Schedule of Rates shall be filled in and enclosed in Envelop No.2. Both the sealed envelopes shall be kept in Envelop No.3 which shall be big enough to contain two envelopes. On each envelop name and address along with contact number of bidder shall be written. On the top of it envelop name of the bidder should be mentioned.

**Envelop No.1:****The envelope must contain:**

1. Covering letter with details of bidders, address, name of proprietor/company, telephone number, mobile number, email ID, name, signature and seal.
2. Type of business entity: manufacturer/authorized dealer, any others (to be specified)
3. Certified copy of GST registration
4. PAN Card Copy
5. OEM authorisation letter
6. Copies of Technical specification of all the items
7. Technical Compliance sheet in the format given

Sr No	Specification	Yes/No	Remark
1	<b>Tray Dryer</b>		
2	<b>Spray Dryer</b>		
3	<b>Digital Balance Make aczet</b>		

Failing to submit any of the above may disqualify vendor.

**Envelop No.2:**

**The envelope must contain:**

The financial bid may be submitted in the prescribed format as above on the letterhead of the bidder.

Item	Rate per unit (INR)	GST (INR)	Total Estimated Cost (INR)	Total Installation Cost if any with GST
Table 1				
TOTAL				
GRAND TOTAL in Figure and Words				

**Please Note :-**

The entire system will have 3 years comprehensive onsite warranty which will be clearly mentioned.

Vendor shall specify any additional items if it is essential for completion of the entire work.

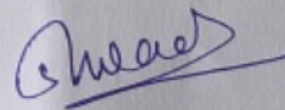
No additional request of any item will be entertained once the PO is issued.

The rate validity will be upto 40 days from the date of submission deadline.

All necessary documents, manuals to be handed over to the Premlila Vithaldas Polytechnic , Juhu campus.

Packing and transport charges, transit insurance will be inclusive in the quoted rate.

Payment will be made within 8 days after successful installation.



Mrs. Kavita Shiktode  
Principal (Addl. Charge)