

1002 Technical bid - Vacuum oven lab scale - CHProcurementmanager - <procurementmanager@bmsce.ac.in>
Draft

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PO Box: 1908, Bull Temple Road, Bengaluru - 560019, Karnataka India. Tel: 080-26622130 - 135 (Extn 5021), Email ID: storessection@bmsce.ac.in**INVITATION FOR TECHNICAL BID / TENDER****Reference Number:** ST/CH-14/2026-27/17/1002**Date:** 24.10.2026**Enquiry Number:** 1002**Department:** Chemical Engineering**Last date for submission of Technical Bid – submission of technical compliance report on or before 30.10.2026 – 5 PM by return email.****Subject: Procurement of Vacuum Oven Lab Scale as per the specifications and quantity mentioned below on or before 30.10.2026 – 5 PM by return email (Item code No.: 26CHE05)**

To,

THE VENDOR,

Dear Sir/Madam,

You are requested to provide the Technical Bid – Specification **Vacuum Oven Lab Scale** intended to quote Technical compliance report for our tender specifications **by return email on/or before 30.10.2026.**

Technical Specifications for Vacuum Oven Lab Scale**Specification Vacuum Oven with Pump**

General Specifications: Vacuum Oven is a laboratory vacuum-drying unit with a nominal chamber capacity of 50 litres, suitable for drying heat-sensitive materials, food samples, chemicals and other laboratory specimens under reduced pressure.

Parameter	Recommended specification
Vacuum Oven	
Capacity	50 Liters
Temperature Range	RT+10°C to 200°C
Display Resolution	0.1°C
Temperature Stability	1°C
Heating system	Electrically heated system with controlled heating
Temperature control	PID-based digital temperature control
Vacuum Degree	133 Pa (approximately 1 Torr)
Vacuum measurement	Digital or analogue vacuum gauge with pressure displayed in Pa, mbar, or Torr

Vacuum control	Adjustable vacuum level with provision for evacuation and pressure monitoring
Inner Chamber Material	Stainless steel
Aluminum Shelves	2
Viewing Window	Toughened Glass
Ambient Temperature	+540C
Power Consumption	1450W
Interior Dimension (W×D × H) (mm)	415 × 370 × 345
Exterior Dimension (W × D × H) (mm)	730 × 560 × 550
Supply	220-240 Volts, 50 Hz Single Phase
Warranty	2 Years
Vacuum Pump (Compatible with Vacuum Oven supplied)	
Pump type	Two-stage rotary-vane vacuum pump
Pumping capacity	Minimum 60 L/min
Ultimate vacuum	133 Pa (1.33 mbar) or better
Operating supply	220–240 V AC, 50 Hz, single phase
Pump operation	Continuous-duty laboratory operation
Wetted components	Chemically resistant materials, preferably PTFE where needed
Inlet connection	Compatible with the oven's vacuum port
Accessories	Vacuum tubing, connectors, isolation valve and suitable moisture trap
Warranty	2 Years

SPECIAL NOTE: PLEASE DO NOT SEND ANY PRICE BID / DETAILS technical bid and compliance statement submission is mandatory as a pre-requisite for participation in the commercial bid.

Terms & Conditions for the Technical Bids:

1. Technical Bid (mandatorily **along with Sole Dealer Authorisation / Dealership Certificate from OEM - Brand quoted**) as per the format provided in Link: [https://bmsce.ac.in/assets/files/Tenders/BMSCE%20Technical%20Compliance%20Statement%20for%20Vendors%202025%20\(Format\).pdf](https://bmsce.ac.in/assets/files/Tenders/BMSCE%20Technical%20Compliance%20Statement%20for%20Vendors%202025%20(Format).pdf) and should be sent to the email id storessection@bmsce.ac.in
2. Quote our Enquiry Ref No & Your reference No./Quotation No. with date in all your correspondence
3. Warranty/Validity: Two years/Standard
4. Product details with Brand/Manufacturer/other details should be included.
5. Details of the current customers to whom similar/same equipment is supplied with contact name and numbers should be provided.
6. For any clarification regarding the Specifications, commercial terms and such, email/contact the above contact details.
7. For all the other detailed Terms & Conditions; refer to the Link: [https://bmsce.ac.in/assets/files/Tenders/BMSCE%20General%20TERMS%20&%20CONDITIONS%202025%20\(%20for%20Commercial%20Tenders%20&%20Enquiries\).pdf](https://bmsce.ac.in/assets/files/Tenders/BMSCE%20General%20TERMS%20&%20CONDITIONS%202025%20(%20for%20Commercial%20Tenders%20&%20Enquiries).pdf)
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