



UNIVERSITY OF DELHI SOUTH CAMPUS

Department of Microbiology
University of Delhi South Campus
New Delhi-110021

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No: Micro-SDC/2024/SS-01

Date: 16-Aug-2024

The quotations are invited through e-tender for **one Unit** of “-80 freezer with 5 kVa Servo Stabilizer.” The **quoted price should be FOR destination in INR** (Indian Rupees only) upto Department of Microbiology, University of Delhi South Campus, including supplying, installation and training (**under 2 Years of “Comprehensive warranty” from the installation date**). The last date of bid submission is **16th September 2024 by 05:00 PM as per the tender specifications mentioned below.**

Description and Technical Specifications	Quantity
<ol style="list-style-type: none">1) Upright freezer with capacity at least 400 liters.2) System must be fully functional in operating temperature range (ambient Temperature) from 10°C upto 32°C3) It should be an energy efficient system with power consumption ≤ 11 kWh per day under standard test conditions.4) System should have programmable operating temperature from -50°C up to -86°C with 1°C increment.5) System should have a pull down time from ambient temperature to $-85^{\circ}\text{C} \leq 6$ hrs6) Fully programmable, microprocessor-controlled, with membrane keypad and eye level control panel.7) Construction should be of polyurethane foam (130 mm thick) insulation.8) System should have 304L grade stainless steel interior and tough, powder coated exterior finish constructed on steel gauge of 1.2 mm thickness.9) System should have heated air vent with ice-cleaning plunger to prevent vacuum formation, allowing the door to be quickly and effortlessly opened anytime in the day, with front panel air filter for easy cleaning.10) Inner door should have silicone seal to prevent temperature loss and outer door should have safe silicone triple point seal with flat soft sealing on outer door which is easy to clean, durable and prevents ice formation.11) Freezer should have five compartments, with each compartment having its own individual insulated door ie five insulated doors.12) Freezer must have battery back-up and 4 PIN security lock. Noise level: 52 dB or less13) Heavy duty lockable castors and lockable outer door. System should have security keyed lock on outer door.14) Freezer must have on board diagnostic software to trace system errors & lockable ON/OFF switch to prevent accidental switch off.15) Audible and visible alarms for temperature, power failure, system failure, battery low etc.16) Freezer must use CFC-FREE, HCFC-FREE nonflammable refrigerants, and refrigeration system must be energy efficient and hermetically sealed two-stage cascade refrigeration system.17) Compressor should be capable to run any voltage between 190 – 270V.18) Freezer must have capacity to hold at least 20 racks and at least 320 boxes of 2”/ 5 cms height vials (Total sample (2” / 5 cms vials) capacity of 24,000 or more).19) System should be supplied with 5 KVA servo voltage stabilizer20) Vendor should be ISO 9001 & Certification of European Union or USFDA Certification is required. Documentary proof to be submitted.21) Comprehensive warranty on all parts and labor for minimum 24 months from the date of installation and warranty on compressor for minimum 60 months	1

<p>22) The supplier should have supplied the quoted make and model of equipment to at least 50 buyers in universities/ research institutes and must provide user list of all of these, and also evidence for the same in form of PO copies or Performance certificates of at least 20 of these orders.</p> <p>23) The vendor should submit an authorized distributor certificate issued by the original manufacturer for the quoted item. Manufacturer or vendor must have post sale service provider in Delhi in case of any technical or function issue with machine</p> <p>24) Vendor should also enclose the original literature/ catalogue/ company brochure and fill out a compliance sheet, with the relevant page number and line number of the brochure mentioned against each point of the technical specifications given above. The quoted specifications/features should be available on the company website (Please provide the original manufacturer website showing the requested technical specification).</p>	
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Important Information:

1. The quotations should be addressed to Prof. Swati Saha, Department of Microbiology, University of Delhi South Campus, Benito Juarez Road, New Delhi-110021, and should be submitted latest by **16th September 2024** on e-procurement portal only.
2. Quotations have to be submitted in a **two-bid system**. The first part, **Technical bid**, should consist of all technical details and supporting documents with terms and conditions. **A Compliance Sheet must be filled by the vendor**, against each point, and giving reference of the same (page number, line number) in the supporting company brochure/document.
3. The second part, **Financial bid**, should contain item-wise pricing of items mentioned in the technical bid.
4. The bidder will have to quote all the items together: partial quotes will not be accepted. For each item, make and model have to be mentioned clearly.
5. The quote should be valid for 90 days from last date of submission.
6. Payment will be made by wire transfer after installation of instrument.
7. DSIR Certificate/CDEC would be provided on request.

Swati Saha

Prof. Swati Saha

Department of Microbiology