



UNIVERSITY OF DELHI SOUTH CAMPUS

Department of Microbiology
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No: Micro-SDC/2019-01/974

Date: 01.02.2019

Quotations are invited under two-bid system for **Deep Freezer (-80°C freezer) with FOR destination** (Department of Microbiology, University of Delhi South Campus) **price (Indian Rupees only)** for supplying and installation of the item as described 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°C ≤ 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 insulated doors with 4 adjustable shelves.12) Freezer must have battery back-up and 4 PIN security lock.13) 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 15 racks and 240 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 5KVA servo voltage stabilizer; 12 nos anodized aluminum racks and 2" cryoboxes (plastic/polycarbonate) with dividers (200 nos)20) Vendor should be ISO 9001 & CE Certified, or Certification of European/USA standard is required. Documentary proof to be submitted.	1

Important Information:

1. The quotations should be addressed to Head, Department of Microbiology, University of Delhi South Campus, Benito Juarez Road, New Delhi-110021, and should be submitted latest by **21st February 2019** 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.

Rani Gupta

Prof. Rani Gupta

Head, Dept. of Microbiology

HEAD
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