

**ALL INDIA INSTITUTE OF MEDICAL SCIENCES,
STORE SECTION (DO), 1ST FLOOR, ANIMAL HOUSE,
ANSARI NAGAR, NEW DELHI-110 029, INDIA**

TENDERENQUIRY DOCUMENT

(Two Bid System for Machinery & Equipments)



Advertised Tender Enquiry No.: XX-59/SO(DO)/Biochem/23-24/M&E

**Brief Description of Goods : Purchase of Flowcytometer (Analyzer) - 01
No.**

SECTION-I



**ALL INDIA INSTITUTE OF MEDICAL SCIENCES
ANSARI NAGAR, NEW DELHI-110 029
TENDERS ENQUIRY DOCUMENTS (TED)**

Advertised Tender Enquiry No : XX-59/SO(DO)/Biochem/23-24/M&E

On behalf of Director, AIIMS, Ansari Nagar, New Delhi-110 029, online bids are invited in two bid system (Techno-Commercial Bid and Financial Bid) from reputed, eligible and qualified firms/manufacturer for supply of following Goods:

S. No.	Brief Description of Goods	Quantity	Amount of Bid Security/EMD
1.	Purchase of Flowcytometer (Analyzer)	01 No.	INR Rs.7,00,000/-

CRITICAL DATE SHEET

Published Date & Time	30-11-2023 at 06.00 pm
Bid Document Download/Sale Start Date	30-11-2023 at 06.00 pm
Seek Clarification Start Date	30-11-2023 at 06.00 pm
Seek Clarification End Date	07-12-2023 at 04.00 pm
Pre Bid Meeting	15-12-2023 at 11:00 am
Pre Bid Meeting Place & Address	Seminar Room No. 4004, Convergence block Fourth Floor, AIIMS
Bid Submission Start Date & Time	21-12-2023 at 04.00 pm
Bid Submission End Date & Time	11-01-2024 (Thursday) at 03.00 pm
Bid Opening Date & Time	12-01-2024 (Friday) at 03.00 pm

Section – VII
TECHNICAL SPECIFICATION AND GENERAL POINTS

Specification for Flowcytometer (Analyzer) (5 laser)

1. System should be a bench-top flow-cytometer with at least five simultaneous usable lasers (Blue 488±15 nm, Red 630±15 nm, Violet 405±15 nm, Yellow Green 561/532±15 nm and UV 355±15 nm) with a power of at least 100 mW and should have the option for upgrades to higher configuration in future.
2. All lasers and their excitation-optics should be fixed aligned, user tunable and each laser should have its unique pinhole/ beam spot. Laser beams should be spatially separated for higher sensitivity.
3. System should have capability of detecting at least 35 fluorescence parameters in addition to forward and side scatter with provision for upgradation.
4. System should be able to acquire at least 35,000 events per second with continuously adjustable flow rate.
5. System should have ultra-low noise digital acquisition system and digital signal processor of at least 18-bit or more.
6. System should be quoted with modules for standard 5.0 mL tubes and 96 and 384 well plates for sample acquisition.
7. Fluidics: Necessary containers, cart and loading options for management of fluidics should be included. Separate fluidics and accessories should be provided for the plate-based analysis system, if required
8. System should be provided with software capable of baseline settings of system performance, thereby ensuring automated instrument set-up for consistent results.
9. System should have the capability for compensation in real-time and post-acquisition.
10. System should be supplied with the latest version of acquisition and analysis software and any software related operating systems/ hardware upgrades should be provided free of cost during the warranty and CMC period.
11. System should also be supplied with the latest compatible high-end data acquisition workstation from the source/original manufacturer. The Operating System and all other accessory software should be licensed and supplied with original installation CD/DVD/USB.
12. System should also be provided with another computer for offline analysis with the following configuration: (i9 – 12th generation processor, 64GB RAM, 6TB SSD, DVD drive, compatible graphics card with at least 8GB RAM, with dual high-resolution flat panel LED monitors (27 inch or higher) with wireless keyboard and wireless mouse and online UPS). Both the computers will also be under warranty during the initial five years and the CMC period.
13. Five licenses of comprehensive data analysis software with free upgrades during the warranty and CMC period should be supplied with for offline analysis.
14. Ten external 2TB SSD hard disks should be provided for data storage.

15. Should be supplied with a branded compatible online UPS with at-least 30 minutes backup for the data acquisition unit. The batteries of the UPS for the system and computer should also be included as replaceable free of cost in the warranty and CMC period.
16. Should be supplied with an anti-vibration Platform with a sturdy table and a fluidics cart for storing the sheath tank and other accessories.
17. Should be supplied with all consumables necessary for biannual preventive maintenance of the machine for 10 years: This should include all preventive maintenance kits necessary to perform this routine servicing.
18. Should be supplied with the following consumables on a staggered basis according to the request of the user over five years: Start-up reagents including QC beads (50 vials), 25000 Litres of Sheath/HTS sheath fluid, Cleaning solution (20 vials), Compensation beads (mouse/rabbit: 10 vials) and all reagents required for instrument installation, setup, calibration, and routine running and maintenance. Unit price of each of these consumables should be quoted in the tender. The prices for consumables should be frozen for next 5 years. In case of decrease in the price, the vendor shall pass on the benefit to the institute.
19. A detailed list of spare parts, accessories and QC consumables and their current list prices should be quoted.

GENERAL CLAUSES

1. **Warranty:** 5- years' comprehensive warranty from the date of satisfactory installation.
2. **CMC:** (6th- to-10th year) after completion of the 5-years warranty period with spares and labor.
3. **Penalty clause:** Direct presence in India with strong after-sales technical and service support and must ensure that all faults are rectified within 72 hours otherwise a penalty will be applicable **0.025%** of the equipment cost per day for Seven days (one week), and for second week it will be double of first week (**0.50%**) and in the 3rd week it will be so on maximum upto **10.0%** of the contract value/ basic cost of equipment. After that Director, AIIMS may take any administrative action like; removal from list, Debarring/ Blacklisting of the firm.
4. Only Principal Companies or Authorized Distributors from Principal companies should quote. Quotations from non - authorized distributors will not be entertained. Features in the quotations should be substantiated with proper Principal Company Catalogue.
5. Should operate under a Quality Management System which complies with the requirements of ISO 9001:2008 for design, manufacture, and services.
6. Copies of all certifications e.g., Quality Standard certificate, Proprietary Item/parts, Patent of parts/ technology, Principal company/Authorized Distributorship should be attached with the quotations.
7. Compliant points should be given (in the sheet) in order of the specifications' serial order. Compliant points should be highlighted in the company catalogue with page number.
8. Must include: List of Users with their telephone numbers and email address.
9. A performance certificate from at least 2 users of the quoted model should be provided.
10. Vendor should submit an undertaking from manufacturer taking the responsibility of maintenance in case of merger or acquisition.

Flowcytometer Analyzer: Consumables to Freeze prices.

1. QC (Quality Control) Beads
2. Compensation beads (Mouse/Rabbit)
3. Sheath Fluid
4. Cleaning Solution

Approximate consumption of consumables for five years

(to be used to calculate L-1; First 5 years consumables are already included in specification as part of tender)
