

Department of Life Sciences,
University of Mumbai,

No. :
Date:

To,

Separate, Sealed Quotation/Tender for purchase of following items is invited, for and on behalf of University of Mumbai by the Head, Department of Life Sciences, University of Mumbai, so as to reach him in his office latest by 4.00 p.m. on **Monday 25th May, 2015**.

1. UV Visible Spectrophotometer – 2 Nos.
2. Water Purification System – 1 No.

Blank forms containing terms and conditions of supply and technical specifications are available at the office of the Head, Department of Life Sciences, University of Mumbai, on all working days between 11.00 a.m. and 4.00 p.m. from **Tuesday 12th May, 2015 to Monday 25th May, 2015**, on payment of Rs. 500.00 (Rs. Five Hundred only) in cash OR can be downloaded from our website <http://mu.ac.in/tenders.html> and submitted along with a DD of Rs. 500.00 (Rs. Five Hundred only) in favour of 'Finance and Accounts Officer, University of Mumbai'. The quotation/tender duly complete in all respects, along with the necessary documents should be submitted to the Head, Department of Life Sciences, University of Mumbai, latest by 4.00 p.m. on **Tuesday, 26th May, 2015**.

The quotations/tenders so received, shall be opened on **Friday 29th May, 2015 at 11:30 a.m.**, in the office of the Head, Department of Life Sciences, University of Mumbai, Life Sciences Building, Vidyanagari, Santacruz (E), Mumbai, 400 098, in presence of representatives of the suppliers. Right to reject any or all tenders, without assigning any reason thereof, is reserved by the University of Mumbai.

Sd/-
(Dr. B. L. Jadhav)
Prof. & Head,
Department of Life Sciences,
University of Mumbai.

Department of Life Sciences
University of Mumbai
Life Sciences Building, Vidyanagari
Santacruz (E), Mumbai - 400 098
Phone: 26543373/26543501

Tender Document
Date: 11th May, 2015
Part A - Terms and conditions
Part B - Specifications
Price Rs. 500.00 (non refundable)

Important Dates

Sale of Tender forms	:	<u>Tuesday 12th May, 2015 to 25th Monday, 2015 (All working days from 11.00 a.m. to 4.00 p.m.)</u>
Last Date for receiving sealed tenders	:	<u>Tuesday 25th May, 2015 up to 4:00 p.m.</u>
Date of Opening of tenders	:	<u>Friday 29th May, 2015 at 11.30 a.m.</u>

Head, Department of Life Sciences
(Seal & sign)

Department of Life Sciences
University of Mumbai
Life Sciences Building, Vidyanagari
Santacruz (E), Mumbai - 400 098
Phone: 26543373/26543501

Tender Document
Date: 11th May, 2015

Part A -Terms and Conditions of Supply

1. UV Visible Spectrophotometer Qty. 2
2. Water Purification System Qty. 1

Part A -Terms and Conditions

1. The last date and time for the acceptance of the quotation / Tender is **Tuesday 26th May, 2015 up to 4:00 p.m.**
2. The tenderers shall submit the following documents along with their quotations / tenders.
 - a. Income tax clearance certificate, from the Income Tax officer concerned, certifying that the tenderer has cleared all the Income Tax dues.
 - b. Suppliers should state whether they are a Propriety Firm, Partnership Firm or a Private / Public Limited Company and furnish a profile of the firm / company. They should also clearly mention whether they are manufacturers, authorized dealers or retail suppliers.
 - c. The names of the organizations and the offices to which similar supplies have been made.
 - d. Earnest Money Deposit in the form of Demand Draft in favour of Finance and Accounts Officer, University of Mumbai, on any Scheduled / Nationalized Bank payable at Mumbai.
 - e. Sales Tax Registration No. / VAT Registration No.
 - f. Technical specifications offered by the Supplier, Proprietary Certificate (if any).
 - g. Vendor must submit Compliance statement in tabular form comparing each specification of the quoted item with that given in the Tender Document part B.
3. The rates should be mentioned in the Schedule attached with the tender / quotation paper. Each page of the tender shall be signed in full and stamped with the seal by supplier. The supplier must clearly state in what capacity he or she is signing the tender.
4. The tenderers shall submit the tender in two envelopes. The first envelope (Technical Bid) shall contain all the documents referred to in Para 2 above and shall be sealed. The second envelope (Commercial Bid) shall contain the **Schedule**, in which the supplier shall register the rates of supply. The second envelope shall also, likewise, be sealed. Both the envelopes then should be put together and shall be sealed in an envelope, and shall be submitted to the University by the prescribed time and date. The Technical Bid shall be opened first to ensure that the tenderers have submitted all the requisite documents. If the Technical Bids are not in order or are deficient in some respect, the Commercial Bids in respect of such tenders shall not be opened.
5. The amount of Earnest Money Deposit shall be 5% of the cost of supply subject to a maximum of Rs. 50,000.00 (Rs. Fifty thousand only). The Earnest Money Deposit should be in the form of Bank Draft drawn on a nationalized / scheduled bank (payable at Mumbai) in favour of the **'Finance and Accounts Officer, University of Mumbai'**, Fort Campus, Mumbai - 400 032 and must be enclosed with the Technical Bid.
6. Tenders / quotations not accompanied by the requisite amount of Earnest Money Deposit shall be rejected.
7. The amount of Security Deposit / Performance Guarantee shall be 5% of the cost. In case of successful tenderers the amount of Earnest Money Deposit shall be converted into Security Deposit / Performance Guarantee and shall be refunded after the warranty period is over.
8. Supplier should read carefully all the instructions and terms and conditions, etc., before registering rates in prescribed schedule of the tender. Taxes and duties etc. should be shown separately.

9. The offers made by the suppliers shall be open for acceptance for 120 days after the last date of submission of tender.
10. The quotation shall be opened by the Head, Department of Life Sciences in his office **on Friday 29 May, 2015**. The tenderers or their authorized representatives shall be allowed to be present at the time of opening of the tenders.
11. In case of imported items / equipments the rates should be quoted in the light of exemptions enjoyed by educational institutions. The University is exempted from payment of Customs/Excise duty, Octroi; and the necessary certificates / forms can be issued by the University.
12. Technical specifications of the instrument / equipment are given in the Annexure of these papers (Part B).
13. The delivery time of instrument / equipment should be clearly mentioned in the tender. No extension shall be granted to the contractors / suppliers for the period of delivery mentioned in the tender, under any circumstances.
14. If the supplier fails to deliver the article as per the delivery schedule, the University of Mumbai shall be free to procure the balance / undelivered supply, at the risk and cost of such supplier.
15. The goods, article, material supplied by the contractor shall be accepted after inspection by an officer authorized by the competent authority. No article / material which do not conform to the specifications laid down in the terms and conditions or damaged in transit or otherwise, shall be accepted.
16. The bills of the suppliers shall be paid by the University after all the article/ material/ instrument / equipment have been received, inspected as above.
17. The warranty period shall be at least for one year from the date of installation.
18. Supplier should give free service at least for three years after the warranty is over.
19. Service Support should be from Factory trained Engineers; specifying the no. of Engineers with their names, mobile numbers, base location, Response time, etc.
20. A list of spares/consumables required for hassle free functioning of the instrument for at least one years should be quoted additionally.
21. Undertaking from the manufacturer that parts will be made available at least for next ten years even after discontinuation of the supplied model is necessary.
22. It Should be sealed Separately for each instruments
23. The detailed operational training should be provided by the competent Engineers during the time of installation.

24. As the supplier shall be responsible for the supply and installation of the material at the Department of Life Sciences, University of Mumbai; the cost towards loading/unloading, insurance, etc. shall be borne by the suppliers.
25. Without any purchase commitment, inspection/demonstration should be arranged at the cost of the supplier for the quoted material at two places in Mumbai.
26. In the event of any breach of the terms and conditions of the supply, the University of Mumbai may terminate the contract placed with the supplier and forfeit the EMD/Security Deposit of the supplier.

SCHEDULE TO TENDER

Note:

1. Tenderers are advised to read carefully the Terms and Conditions of supply and "the Instructions to the tenderers" before recording the rates in this schedule.
2. No erasures or overwriting shall be allowed, unless they are authenticated under the full signature and seal of the tenderers.
3. The Rates shall be FOR, at destinations / godowns/ places indicated in the delivery.

Item No.	Description of goods with details of specifications	Number/Quantity	Price / Rate per Unit	Taxes, Duties etc.

Full Signature of Tenderer

(Seal of the Firm/Company)

Department of Life Sciences
University of Mumbai
Life Sciences Building, Vidyanagari
Santacruz (E), Mumbai - 400 098
Phone: 26543373/26543501

Tender Document
Date: 11th May, 2015

Part B - Technical Specifications

1. UV Visible Spectrophotometer Qty. 2
2. Water Purification System Qty. 1

WATER PURIFICATION SYSTEM QTY. 1

It should be a compact system capable of producing Ultra-Pure Water from Potable feed water.

1. Main purification unit should be followed with compact Prefiltration System. It should have 10 & 5micron and Activated carbon filter. It should have Low & high pressure switches, diaphragm pump with pressure gauges for monitoring and feed to RO system. PF system should be floor, bench or wall mounted.

Main unit should deliver ultrapure water (Type 1) directly from tap water, and should be possible to draw pure water for laboratory application from integrated reservoir. Should be comprised with pretreatment, **Single RO module**, Dual wavelength UV, deionization and 0.2 μ filtration in a single unit.

Should have **only one thin film composite RO membrane to deliver the required flow rate of 7LPH.**

2. The production rate of the unit should be minimum 7L/Hr. and the dispense rate should be minimum 1.0L/min.

To ensure on-time reordering of the consumables, the system should have automatic warnings.

To maintain optimum water purity and preventing deterioration during periods of non-use, the water purification system **should be able to recirculate water around internally through a wraparound docking reservoir and the integrated purification technologies.**

3. System should have full user microprocessor controls and alarms on water quality and RS232 interface for GLP compliance.
4. System should have consumables change reminder facility.
5. In order to facilitate increased demand, the system should have the facility to **upgrade to higher flow rates within the system.**
6. To maintain optimum water purity and preventing deterioration during periods of non-use, the system **should have the facility to auto rinse and should be able to sanitised using an automated sanitisation program.**
7. The water purification system should have full audio visual alarms and PIN Coded access to software set points.

8. Storage Reservoir:

Capacity : 25L

Shape: **should have integrated wraparound docking vessel of 25L with 5level switches for storage of RO water and to save space and also optimizing laboratory space.**

Output Water Quality should be:

1. Rate of production : >7 Ltrs./Hr. @ 25⁰C and upgradeable
2. Dispensing Rate: 1 L / min.
3. Resistivity : 18.2M Ω .cm @ 25⁰C
4. Conductivity: 0.055 μ S/cm @ 25⁰C
3. TOC: 1-3 ppb
5. Bacteria: <1 CFU/ml
- 6 pH: Effectively Neutral

The Technical specifications for UV-VISIBLE spectrophotometer are as under

UV-SPECTROPHOTOMETER

1 Specification:

Wavelength : 190-1100nm

Optical Design : Double Beam

Spectral Bandwidth : 1nm

Wavelength accuracy : ± 0.3 nm

Monochromator : Double beam

Wavelength repeatability : ± 0.2 nm

Photometric range : -0.300-3.000Abs, 0-200%T

Photometric accuracy : ± 0.5 %T

Stability : ± 0.1 A/hr at 500nm after 1 hour warm-up

Baseline flatness : ± 0.002 Abs (at 210-1000nm)

Stray light : < 0.05 % at 360nm & 220nm

Light source : deuterium lamp (UV range) & halogen Lamp

Source lamp change : automatic

Detector : Silicon photodiodes

Power Requirement AC 220V, 50Hz

Weight : 20 Kg approx.

Work Environment : 10-35°C, 15-70% relative humidity.

Store Requirement : -10°C - 50 C, 15-70% relative humidity. IQ/OQ/PQ & INSTALLTION

1. Online software upgrade via internet to keep the software up-to-date

2. Data Download to PC software to expand the data storage limit

3. PC Model with Windows based application software.

4. Suitable for pharmaceutical, biochemical and clinical lab applications as well as routine applications such as quantitative analysis, kinetics, spectrum scanning, multiple components and DNA/protein.

5. Optional holder for 100mm pathlength cuvette.