

DEPARTMENT OF BOTANY

UNIVERSITY OF DELHI

December 15, 2015

NOTICE INVITING TENDER

The Department of Botany invites sealed tenders under a two-bid system from eligible manufacturers/authorized distributors/dealers for the supply of **Automated Flow Analysis System** in the Department of Botany, University of Delhi, Delhi. The vendors intending to bid may follow the listed specifications and other details from the University website (<http://www.du.ac.in/du/index.php?page=tenders-quotations>) and submit their bid within 21 days to:

Head

Department of Botany

University of Delhi

Delhi - 110007

IMPORTANT INFORMATION TO BIDDERS

Bidders are requested to enclose one Bankers Cheque:

- a) 50000 Rs. to cover the unrest money deposit in favour of the Registrar, University of Delhi, Delhi.

OPENING DATE FOR TENDER: 16th DECEMBER 2015

CLOSING DATE FOR TENDER: 5th JANUARY 2016

TERMS AND CONDITIONS OF THE TENDER

SUBMISSION AND PERIOD OF THE TENDER:

Filled tender document should be submitted to Room No.1, Department of Botany, University of Delhi, North Campus, Chattra Marg, Delhi -110007 on or before 5.30 p.m. on 5th January, 2016.

EARNEST MONEY DEPOSIT (EMD):

An earnest money deposit of INR 50,000 should be enclosed along with the bids. The banker's cheque/demand draft should be made in favor of "Registrar, University of Delhi". The EMD of the unsuccessful tenders will be refunded. EMD of the successful bidder will be returned after furnishing of the performance bank guarantee (PBG) by the bidder. The validity of the EMD must be 60 days beyond the bid validity period.

PERFORMANCE BANK GUARANTEE (PBG):

The vendor, to whom order is placed, shall furnish a performance bank guarantee (issued by a scheduled bank) equaling to 10% of the total cost of the purchase order. The performance guarantee shall remain valid for the entire tenure of warranty period plus additionally for another 60 days.

WARRANTY PERIOD AND POST-WARRANTY SERVICE REQUIREMENT:

The material or goods are to be warranted for a period of at least 2 years after installation and commissioning against manufacturing defect and bad workmanship. The warranty period specified will commence from the date of handing over the items. Moreover, it should be certified that parts and servicing of the installed items would be available (on a chargeable basis) for at least another 10 years after the lapse of warranty period.

PAYMENT TERMS:

100% payment will be released after the supply, installation and proper demonstration of the instrument to the satisfaction of the Department Purchase Committee.

AGREEMENT CLAUSE:

Successful firm will be required to enter into an agreement with University of Delhi. The agreement will be executable of a non-judicial paper of INR 100 stamp value.

TIMELINES AND SCHEDULES:

Total period for delivery, complete installation and demonstration of the instrument is to be completed within 90 days.

LIQUIDATED DAMAGE CLAUSE:

The firm/dealer to whom the order will be placed should strictly stick to the timelines and a delay in supply would attract liquidated damage clause applicable @0.5%/week and maximum of 10% of the purchase order value of the material not delivered in time. The decision of the department purchase committee will be final.

PENALTY CLAUSE:

In case the successful bidder is not able to finish the supply and installation of instrument in the stipulated time (as communicated by the Purchase Committee) a penalty @1% of the invoice value will be levied per week subject to a maximum of 10% of the order value. The decision of the department purchase committee will be final.

FORFEITURE CLAUSE: 1) If the firm/dealer fails to commence the order within a reasonable period, EMD shall be forfeited. 2) In case the firm to whom contract is awarded fails to perform its part of obligation till expiry of the warranty period, the PBG furnished by the firm will be forfeited.

TERMINATION CLAUSE:

University of Delhi is empowered to terminate the contract if the progress/workmanship is found unsatisfactory till the completion of the project. Under no circumstances, the material supplied/used will be returned to the vendor.

SETTLEMENT OF DISPUTE THROUGH ARBITRATION:

Vice-Chancellor will have an absolute authority to appoint an arbitration committee to settle the dispute.

JURISDICTION CLAUSE:

Any disputes should be settled under the Delhi Jurisdiction.

FINANCIAL BIDS:

Financial bids of only the vendors whose technical bids meet the specifications mentioned in the tender document will be opened. Financial bid should be placed in a separate sealed envelope. The rates quoted for the items should be kept firm for the entire period of the contract. No revision or enhancement or escalation will be allowed in any case.

GENERAL INSTRUCTIONS

The bidders will have to quote all the items together, partial quotes will not be considered. Quantity, make, model and technical specifications of each item should be mentioned clearly. Any alteration/overwriting should be initialized. The bidders must fulfil the eligibility conditions given below and submit documentary evidence in support of their fulfilling these conditions along with the Technical Bid. Financial bids of only the vendors whose technical bids meet the specifications mentioned in the tender document will be opened. Financial bid should be a separate document and should be placed in a separate sealed envelope. The technical and financial bids should be sealed by the supplier in separate covers duly super scribed and both these sealed covers are to be put in a bigger cover which should also be sealed and super scribed.

ELIGIBILITY CRITERIA:

- a. The bidder should be certified manufacturer or authorized dealer for the supply and installation of the instrument. The bidder is required to enclose a written authorization or certificate from the manufacturer if the bidder is the sole company distributor.
- b. The bidder should have prior experience in the establishment/installation of similar facilities in reputed public and/or private educational/research institutions. They should clearly indicate the nature of the instrument supplied along with names of the institution(s). Proof of recent purchase orders for supply of similar instrument is to be attached.
- c. The bidder should clearly specify their identity (with documentary evidence) – whether the bidder is a manufacturer or an authorized dealer.
- d. The bidder should mention whether service backup could be provided in Delhi/NCR?
- e. The bidder should submit the latest Income Tax and VAT certificates.
- f. Technical bids must include technical specifications and printed technical brochures and product leaflets with complete details.
- g. Bidders of Flow analysers which uses discrete method for analysis or continuous flow technique with different method cassettes for individual elements can take part in the tender process and should clearly mention the method of analysis.
- h. The Financial bid should contain particulars like name and address of the bidder. The net rate including all taxes and other statutory levies with a proper break up for the same should be clearly indicated. The financial bid should also clearly state that the charges for delivering the instrument up to C.I.P. Delhi Airport or to the point of installation and any applicable levies. The bid should be formulated so as to provide maximum educational discounts and other applicable discounts.
- i. Validity period of bid should be 180 days from the due date. The supplier must mention the period of warranty in the bid including the cost of comprehensive warranty for a period of two more year as an option.
- j. Warranty terms and conditions, delivery time and Installation time required should be clearly specified. The period of warranty will start only after successful installation and satisfactory operation.
- k. The rates of the quoted items should be kept firm for the entire contract period from the last date of tender submission. No revision in rates/prices will be allowed.

- l. The rate should be quoted for each item with specification and model if applicable and should be indicated clearly both in words and figures.
- m. After acceptance of the tender, the bidder will have no right to withdraw his tender or claim a higher price. Tenders with incomplete information will be summarily rejected.

Supply and Installation:

- a. The supply and installation of instrument and other accessories should be made strictly in accordance with the specifications as mentioned in the techno-commercial bid. The supply and installation should be as per the delivery schedule specified in bid. The guarantee period takes effect from the date of satisfactory installation. The bidder shall be liable to replace the instrument or other accessories found defective during the guarantee period.
- b. Documents such as operation manuals, user manuals, kits and accessories and other relevant materials shall be provided by the bidder along with instrument, free of cost.
- c. If the supply, installation and demonstration of the instrument are not effected before the specified period from the date of purchase order, the University shall have the authority to cancel the order and to take any such action which will be deemed fit in the circumstances.
- d. If any manufacturing or other technical defects are found within the specified months from the date of installation of the instrument in the Department of Botany, the same will have to be rectified or replaced free of cost by the supplier.

SPECIFICATIONS FOR AUTOMATED FLOW ANALYSIS SYSTEM

Fully PC controlled **Automated Flow Analysis System** for direct measurement of Available Nitrogen, Total Kjeldahl Nitrogen, Total Phosphate, Orthophosphate, Iron, Nitrate + Nitrite + ammonium Nitrogen, Calcium, Magnesium, Aluminium, Chloride, Potassium, Sulphate etc.

The analyser should have all methods available to analyse the above parameters in Soil, plant materials, various liquids/sludge samples, fertilizers, feeds etc.

All methods for the individual elements or its forms must be present at the time of supply.

The Flow analysers must either use discrete method for analysis or continuous flow technique with different method cassettes for individual elements. The instrument should have future upgradation option through modular additions/modified methods.

The analyser should have inbuilt or attached peristaltic pump for sample suction and injection. The Main detector should be Colorimetric based with temperature controlled features.

The analyser should have an inbuilt auto sampler with 60 or more position sample trays/cups complete with reagent bottles, blanks, controls, carrier, rinse bottle and calibration cups.

The system should come complete with standard accessories, kits and software package. The software platform should be preferably Windows based for automatic control and data evaluation.

The system should have temperature controlled reaction trays, reaction cuvettes and minimum reagent consumption. It should have auto calibration and calibration quality control capability.

The analyser should be able to automatically select the wavelength of the element under analysis. The time taken for each analysis should be minimum and should test > 50 samples per hour.

There should be flexibility of individual parameter selection in each sample, pre and post autodilution of samples and autodilution of working standard from stock standard.

The instrument should come with a host of quality control (QC) measures for reliability of analytical data or to trace malfunction of the instrument.

Data Analysis Station: Branded Computer with 4th generation Intel® Core™ i3-processor or more, 2.70 GHz or more speed, 500 GB HDD or more, 3GB RAM or more with 15” monitor or more, keyboard and optical mouse with Windows 8 OS or more and a laser printer.