

PONDICHERY UNIVERSITY, PUDUCHERRY – 605 014

DEPARTMENT OF MICROBIOLOGY

Ref: PU/MB/BS/Tenders/2015-16/

25-06-2015

Sealed quotations under two bid systems are invited for “**Supply, Delivery, Installation and Commissioning of Complete Analytical Cum Semi Preparative High Performance Liquid Chromatography System with Accessories**” under DST-SERB project “**Microbial metabolites as antiquorum sensing agent for the development of novel anti-infectives**”. The quotations duly signed and sealed should be sent by Post (Normal / Speed / Registered / Courier) to **Dr. Busi Siddhardha, Assistant Professor and Project Investigator, Department of Microbiology, Pondicherry University, Puducherry-605 014**. The price quoted should include all the costs such as delivery, installation, testing etc., and also inclusive of all taxes. Warranty terms should be explicitly specified in your quotation.

Last date for receiving quotations is July 31, 2015, 4.00 PM.

The technical specifications are given below.

The HPLC system shall include the following individual stackable self-contained modules.

The HPLC system must be controllable, monitored, capable of performing system maintenance using Microsoft Internet Explorer web browser.

Modules must be connected via fibre optic noise resistant high-speed transmission technology to enhance the reliability and sensitivity of the HPLC.

1. Solvent Delivery System for Micro, Semi-Micro, Analytical, Semi-Prep Flow Rates
2. Manual Injector
3. Photo Diode Array Detector
4. Chromatographic Software
5. Column
6. Warranty

1. Solvent Delivery System for Micro, Semi-Micro, Analytical, Semi-Prep flow rates

- Pump – 2 No's (For high Pressure gradient Application)
- It must be a high speed double micro-plunger in-parallel pump with automatic pulsation correction mechanism achieving pulse-free solvent delivery.
- Each pump flow rate should be settable between 0.001 to 10 ml/min from micro to semi-preparative flow rates without any hardware changes

- Flow rate accuracy should be $\pm 1\%$ or $\pm 0.5 \mu\text{l}/\text{min}$ of set value whichever is larger
- Flow rate precision must be less than $\pm 0.06\%$ RSD
- Pressure setting range should be 1-40 MPa
- Pressure pulsation must not exceed 0.3 bar (0.03MPa)
- Should be up gradable as quaternary HPLC system at a later stage.
- The precision of composition must be less than 0.1% RSD.
- Automatic rinsing of plunger must be available.
- It must have a leak sensor as safety feature.

2. Manual Injector with 20 μl loop and syringe and necessary Mixer

3. Photodiode Array (PDA) Detector

- The wavelength range should be 190 nm - 800 nm
- The photo-diode array detector should have 512 elements and an element resolution of 1.2nm/element must be available.
- The detector must have 2 modes of operation using a variable slit: High Resolution mode at a slit width of 1.2nm and a High Sensitivity mode at a slit width of 8nm
- The flow cells must be temperature controlled from ambient $\pm 5^\circ\text{C}$ to 50°C
- Wavelength accuracy should be ± 1 nm
- A deuterium lamp [D2] and a Tungsten lamp [W] should be available as Light Source for UV and visible wavelengths respectively.
- The selection of light source must be flexible to select D2, W or both [D2 +W] the lamps for analysis (3 modes)
- The Drift must be smaller than 0.5×10^{-3} AU/Hour
- The Noise Level must be smaller than 0.6×10^{-5} AU
- Linearity should be equal or more than 2.0AU (ASTM method)
- It should have automatic wavelength accuracy check at 4 wavelengths (UV & Vis) & wavelength correction
- It must have data buffering function to collect up to 20 min of data for all wavelength regions in case of PC malfunctions

4. Chromatographic Software

- Operation of the system should be very easy and intuitive via a state-of-the-art 32 bit Windows 7 based software
- It should cover full one-point digital instrument control, qualitative and quantitative processing, report creation and self-diagnosis
- Sample schedule wizard function should be standard
- There should be an on-line help function context sensitive
- The reporting format should be flexible and easy to use in any desired format
- The data can be converted to other formats. Spread Sheet software and word-processing software can be readily employed to provide data in tables or graphs through industry standard protocols
- The software should allow automatic execution of system checks, auto-purge and baseline checks

5. Column

Two number of C 18 column 15 cm X 4.6 mm, 5 micron with guard column (2 Nos).

6. Warranty & Accessories

Three years from the date of Installation, Required PC and UPS 3 KVA with 30 min back up for Operating HPLC to be supplied

Optional

1. Fraction collector
2. RID detector

TERMS AND CONDITIONS

I. General Information:

a) Last date and time of receipt of the Quotations: July 31, 2015, 4.00 PM.

b) Date and Time of Opening of the Quotations: August 03, 2015, 3:00 PM.

b) Quotation / Tender processing fee: Rs. 1050/-

c) EMD rates: Rs.50,000/-

d) Two bid system has to be strictly followed. One for Technical bid and another for commercial bid and each bid should be submitted in separate sealed covers superscribing name of the tender and bid (Technical/Commercial).

e) However, the tender processing fee and EMD as specified above should be remitted by each firm / bidder, collectively for all their bids advertised under this tender in the technical bid.

f) Quoting merely the lowest price does not confer any right to any bidder for award of supply order. The University's Purchase Committee, reserves the right to select the equipment any bid under the grounds of specification compliance, technologically advanced quality, proven performance track record, brand reputation, service backup support & training, offer of additional / special features, compatibility with the existing System, etc.

g) The Quotation / Tender processing Fee and EMD should be submitted along with your quotations.

h) The quotation must be submitted along with the stipulated quotation document fee and EMD in the sealed cover, super-scribing "**Supply, Delivery, Installation and Commissioning of Complete Analytical Cum Semi Preparative High Performance Liquid Chromatography System with Accessories**". The name and address of the bidder should also be mentioned at the from address space.

i) The quotations should be addressed and posted to the following address by speed or registered post or by courier.

Dr. Busi Siddhardha, Assistant Professor and Project Investigator, Department of Biotechnology, Pondicherry University, Puducherry-605 014.

h) Quotations will not be accepted through fax / e-mail.

II. Common Conditions (Import or Indigenous)

1. Purchase of Quotation Document:

The Quotation / Tender document fee should be in favour of **The Finance Officer, Pondicherry University, payable at Puducherry**. The tender documents should be accompanied with the tender processing fee, in the form of a Demand Draft.

2. Price Schedule

The rates should be quoted for a single unit and also for the total quantity required by the University. The price should include the delivery, installation, training charges, etc. at the respective Department, Pondicherry University. The prices quoted shall remain firm until the equipment is supplied to the respective Department, Pondicherry University.

3. Quoting the Core price & Tax, Duties, Discount etc.

The taxes / duties / discounts, if applicable, are to be explicitly and separately shown in the bid.

4. Eligibility:

The firm must have the requisite domain expertise with regard to supply, installation and post-sale service of the items they are quoting. The firm should have been in existence for at least six years as on the date of this quotation and must have executed at least three orders for this kind of equipment during the last three years.

5. Duty Exemption

The University has been granted the benefit of exemption from the payment of the Central Excise Duty and Customs Duty by the Department of Scientific and Industrial Research (DSIR), India, vide their Notification No.10/97 dt. 01-03-1997 and 51/96 dated 23.07.96 respectively, in respect of

- a) Scientific and technical instruments, apparatus, equipment, Software including computers.
- b) Accessories and spare parts of goods specified in (a) above and consumables.
- c) Computer software, compact disks, CD ROM, Recording magnetic tapes, microfilms, microchips etc.
- d) Prototypes.

Customs duties at Indian port, if any, will be to the account of the University.

6. Technical Specifications

i. **WARRANTY:** The equipment covered under the purchase order, when installed, shall be warranted for the quality, workmanship, trouble free operation and performance for a period

of at least 36 months from the date of putting the system into operation at the Department of Microbiology, Pondicherry University.

ii. If any item covered under warranty fails, the same shall be replaced free of cost including all the applicable charges including shipping cost both ways.

iii. Complete technical specifications to be included in the Technical bid.

iv. The necessary service support should be provided by Bidder during the agreement period.

v. The training should be provided by the supplying companies for a minimum period of two days from the date of installation with an expert team.

vi. Technical post sale support by email and telephone will be provided during the period.

vii. Operating Manual should be provided in English.

viii. A clear statement regarding availability of after-sales service and availability of spare-parts for next 3 to 6 years should be included.

ix. A recent customer list (within last five years) with contact details including email address is to be submitted with technical bids / bids as the case may be.

x. If the equipment is proprietary product, a proprietary product certificate should be enclosed.

xi. The information pertaining to infrastructural, power and any other requirement for satisfactory installation and commissioning of the whole system must be provided by the bidder, in one quote itself.

xii. The equipment must operate at 230V / 50 Hz single phase and / or equivalent three phase electrical power.

xiii. If the bidder is an authorized representative in India, they are requested to inform their technical ability to take care of the problems in the system, if developed later within the warranty and outside the warranty period. The responsibility of the Indian agent must be clearly specified.

xiv. The bidder from abroad shall obtain, if required, export permission from the appropriate authorities in his country or the country of origin for items to be shipped to India in case of items to be imported. The University shall provide necessary information if required for this purpose.

xv. The validity of the each quotation should be at least for THREE MONTHS from closing date.

xvi. The offers will not be considered if received after the bid closing date and time.

xvii. The offers received through telex / telefax / e-mail will not be accepted by the University under any circumstances.

xviii. The University shall not be responsible for any delay / loss or non-receipt of quotations by post / courier service.

xix. No unsolicited correspondence shall be entertained after the submission of the offer.

xx. If an order is placed with the firm, the purchase shall be governed by an agreement as per the University rules in force at the time.

xxi. Additional terms and conditions will be incorporated in the purchase order, if needed, to safe guard the interests of the University.

xxii. Quotation is not transferable.

xxiii. In case of any dispute in respect of the quotation, all legal matters shall be instituted within the jurisdiction of the place where the purchaser ordinarily resides.

7. Power to reject the offer:

i. Pondicherry University reserves the right to accept / reject any offer in full or in part or accept any offer other than the lowest offer without assigning any reason thereof. Any offer containing incorrect and incomplete information shall be liable for rejection.

ii. No Agency commission will be paid to any authorized agent in India.

iii. Liquidated damages: Timely supply of the ordered items, installation, commissioning (wherever is applicable) and training etc. is the essence of the contract. In case of failure to supply within the time specified in the Purchase order, a penalty / LD of 0.5% of the total value per week or a part thereof shall be levied subject to a maximum of 7.5% in respect of items which are not supplied. The decision of Pondicherry University shall be final in this regard.

iv. Bidder(s) must be authorized business partners of Global / National service providers of the respective equipment.

v. The Bidders must enclose authorization letter from the respective global / national service providers of the above equipment particularly mentioning an undertaking that in case of default by the Bidder, they (Global Service Provider) shall take over all the responsibilities of the Bidder.

vi. The Bidder should not be involved in any Bankruptcy filing for protection from it.

III. Specific Conditions for Imported Equipment

1. Payment of EMD:

The Quotation must be accompanied by EMD as stated above, by means of a Demand Draft, drawn in favour of ***The Finance Officer, Pondicherry University, payable at Puducherry.*** *The Small Scale units are exempted from payment of EMD provided they enclose the proof of their exemption Certificate issued by the competent authority.*

2. Payments terms:

Normally a payment 90% will be released after the installation & training. However, 100% payment will be released **if the supplier provides Bank Guarantee** towards performance Security for the 10 % of the total cost of the equipment to cover the warranty period. Bank charges in India shall be borne by the purchaser and outside India shall be borne by the contractor / supplier. The offer must be in English. The rates should be indicated both in figures and words against item specified in the given table.

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ANNEXURE - I

BANK GUARANTEE

Pondicherry University
Bharat Ratana Dr. B R Ambedkar Administrative Building
R Venkataraman Nagar
Puducherry 605 014

1. This guarantee made this _____ day of _____ 201_ by _____ Bank having its Registered Office at _____ and one of its branches at _____ (hereinafter referred to as “the Guarantor” which expression shall, unless it be repugnant to the subject, meaning or context thereof, be deemed to mean and include its successors and assigns) in favour of the Pondicherry University, Puducherry 605 014 represented by its Registrar, having his office at R. Venkataraman Nagar, Kalapet hereinafter referred to as the “University” which expression shall include his successors in office for an amount not exceeding Rs. _____ (Rupees _____ only) at the request of M/s. _____ (more fully described hereunder)
2. Whereas the University has placed Work Order No: PU/ _____ dated _____ for _____
_____ with M/s. _____ having its office at _____ and hereinafter referred to as the “Contractor” which expression shall include their successors and assigns.

3. And whereas the Contractor has accepted and agreed to execute the work as per the work order as per undertaking / agreement dated _____ within the time stipulated and in the manner specified therein.
4. And whereas the University has called upon the Contractor to furnish Bank Guarantee for the sum of Rs. _____ (Rupees _____ only) for fulfilment of the said work as specified in the work order and as agreed to by the Contractor.
5. And whereas the Contractor has requested the Guarantor herein to furnish an irrevocable and unconditional Bank Guarantee in favour of the University for an amount of Rs. _____ as guarantee towards execution of the work as agreed to by the contractor to the University.
6. Now, therefore, we _____ Bank, the Guarantor herein, do hereby irrevocably and unconditionally Guarantee the payment to the University the sum not exceeding Rs. _____ (Rupees _____ only) in the event of any breach, failure, neglect or inability on the part of the Contractor in the execution of the said work, on demand without reference of the matter to the Contractor and without any prior consent of the Contractor, at all times throughout the period of execution of the work, without demur, cavil or argument or delay.
7. The Guarantor agrees and undertakes that the decision of the University as to whether the contractor has committed any breach of the obligation with respect to the work to be executed, and the quantum of amount therefore payable by the Contractor to the University in that regard, shall be final, binding and conclusive as against the Guarantor and the Guarantor shall make payment accordingly, on demand by the University.
8. The Guarantor further agrees and undertakes to pay to the University the amount demanded by the University irrespective of and notwithstanding any dispute raised by the Contractor in any suit or proceeding before any judicial forum relating to the Contracted work and the Guarantor's liability under this Guarantee shall be absolute and unequivocal.
9. This Guarantee is issued subject to the condition that the liability of this Guarantor under this guarantee is limited to the maximum of Rs. _____ (Rupees _____ only) and the guarantee shall remain in full force up to _____ and cannot be

invoked otherwise than by a written demand or claim by the University for the payment of the said amount by the Guarantor on or before _____ or any extended date as decided by the University.

10. This University shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the contracted work or to extend time for performance of the work by the Contractor. Any change to the contracted work shall not in any way release the Bank (Guarantor) from liability under this Guarantee and we waive notice of any such change. The University shall have full liberty to forbear or enforce any of the terms and conditions of the contracted work.
11. This Guarantee shall not be affected by any legal limitation, disability or other circumstances relating to the Contractor or the Guarantor.
12. This Guarantee shall be valid for the period up to _____ and shall extend further and beyond _____ for such period as determined by the University.
13. The Guarantor undertakes not to revoke this guarantee except with the previous consent of the University in writing.
14. Notwithstanding anything contained herein:
Our liability under this guarantee shall be limited to Rs. _____
Rupees _____ only)

This guarantee shall be valid up to _____ and for such further period as determined by the University for fulfilment of the contract.

We are liable to pay the guaranteed amount or any part thereof under this Bank Guarantee only and only if you serve upon us a written claim or demand on or before _____ or such extended period / date.

In witness whereof, this Guarantee has been executed by _____
for and on behalf of the Bank (Guarantor) on the day, month and year first above written.

SIGNATURE AND SEAL

NAME OF THE BANK (GUARANTOR)

ADDRESS