

**Centre for Bioinformatics
PONDICHERRY UNIVERSITY
R. Venkataraman Nagar, Kalapet
PUDUCHERRY- 605014, INDIA**

SCHEDULE OF TERMS & CONDITIONS

Ref. No.: PU/DIC/E- 248 /2008

December 20, 2008.

Sub: Supply, installation and commissioning etc. of **Wet lab Equipments**
- reg.

I. Schedule of Requirement: -

01. Name of the Equipment: -

Global tenders are invited for the following items in **separate sealed covers** for each equipment super scribing the equipment name

Sl. No.	Name of the Equipment (Imported)	Required Quantity
1.	UV-Visible Spectrophotometer	1
2.	Gel Documentation System	1
3.	Deep Freezer Upright Model (-85° C)	1

II. Specifications & Allied Technical Details: -

Global Tender Notification No. PU/CIF/NMR/2006/ for Supply of the following items

Sl. No.	Name of the Equipment (Imported)	Required Quantity
1.	UV-Visible Spectrophotometer	1
2.	Gel Documentation System	1
3.	Deep Freezer Upright Model (-85° C)	1

SPECIFICATIONS WHICH MUST BE MET BY THE INSTRUMENT & ACCESSORIES

1. UV-Visible Spectrophotometer

i) General Features of the system

- Microprocessor based UV-VIS Spectrophotometer with high resolution LCD display and dedicated soft keypad, for operation on 220V/ 50 Hz with glass and quartz cuvette

(ii) Specifications

- Stand-alone operation or complete control through PC with UV-Probe PC software supplied as standard
- True double beam optics with aberration corrected concave blazed holographic grating in Czerny – Turner mounting for high energy throughput and high quality monochromatic light
- Wide wavelength range of 1,100 nm to 190 nm
- High resolution 1 nm spectral bandwidth over entire wavelength range
- Wavelength setting and display in steps of 0.1nm
- Wavelength accuracy of $\pm 0.1\text{nm}$ for D2 spectral line
- Wavelength reproducibility of $\pm 0.1\text{nm}$
- Variable wavelength scanning speed of 3,000 nm/min to 2 nm/min
- Ultra low stray light of $<0.02\%T$ at 220nm with NaI filter
- Wide Photometric range of -4 to +4 Abs and 0 to 400 %T
- High Photometric Accuracy of + 0.002 Abs at 0.5 Abs
- High Photometric Repeatability of $<+0.001$ Abs at 0.5 Abs
- Very low baseline drift of 0.0003 Abs/hour
- High baseline flatness of +0.0006 Abs over entire wavelength
- Ultra low Photometric noise of <0.00005 Abs
- Dual source – high intensity Tungsten-Halogen and Deuterium lamp with automatic changeover
- High sensitivity matched pair Silicon Photodiode detector
- 5 USB ports for high speed PC and printer connectivity, data storage and transfer through USB pen drive
- Guaranteed compliance with all Pharmacopoeial requirements
- Built in validation program, diagnostic and security functions
- All operational modes as standard – Photometric; Spectrum; Quantitation; Kinetics, Time Scan, DNA and Protein Quantitation in stand alone and PC mode. Additionally Multi-Component measurement available in stand-alone mode.

(iii) Comprehensive Warranty

For the Second and Third year

2. Gel Documentation System

i) Specifications

- High resolution CCD camera : 1.4 mega pixel resolution with 1360x1024 pixel array, Pixel Size : 4.6 x 4.6 micron
- Motorized Zoom lens with f/1.2, 8.5-51 mm lens with broad range amber filter
- UV and white light source: 302 nm illumination source having 25x26 Tran- illumination areas with foldable white light
- Data acquisitions: 12 bit and 4096 gray level
- 3 position filter slider with amber filter.
- Upgradeable to chemi application.
- Software for imaging and analyzing 1-D electrophoretic gels, dot blots, slot blots, and colony counts. Software should quantitate and analyze a variety of data
- Rapid molecular weight determinations with choice of multiple regression models
- Band/lane matching analysis with comparative dendrogram creation
- VNTR and Phylogenetic tree formation.
- Accurate concentration analysis using sophisticated volume tools, volume box, volume circle, volume contour, or freehand drawing
- Local background subtraction for individual bands
- Colony counting that discriminates colonies and plaques
- Array tools to analyze and quantitate dot blots, slot blots, and medium-density arrays
- 3 D viewer for critical analysis of closely spaced bands
- Tools for compliance with US FDA 21 CFR Part 11 regulations
- Automation Manager for
 - Recall of lane and sample layouts
 - Molecular weight determination
 - Volume overlays
 - Text and line overlays

(ii) Comprehensive Warranty

For the Second and Third year

3. Deep Freezer Upright Model (-85° C)

i) General Features of the system

- Centralized information centre with programmable controls, displays and an optional built-in recorder located at convenient height
- RTD control monitor probe works with the controller to maintain stable freezer temperature that can be set in 1 ° C increments
- Tamper resistant controller, No set points above or below the freezer's operating range
- Stainless Steel interior for easy cleaning
- Three fully adjustable solid stainless steel shelves
- Four interior compartment doors, five door option
- UL Listed and CE Marked
- Optional built-in chart recorder or data logger

ii) Specifications

- Temperature Range : -50 ° C to 86 ° C
- Capacity cu ft/liters : 13.0/368.1
- Refrigeration HP : Two 1 HP (2545) BTUH each
- Dimensions (HxWxD) : 77.8 x 33.3 x 31.0 (inch)
1976 x 846 x 787 (mm)
- Interior : 51.4 x 23.0 x 19.3 (inch)
1308 x 584 x 490 (mm)
- Weight : 276.7 Kg
- Voltage : 230 V, 50/60 Hz

Accessories

- Deluxe CO2 backup system
- Deluxe LN2 backup system
- Mid-arm length gloves, size medium (pair)
- 6" circular chart, 7-day temperature chart recorder
- Inventory racks with sliding drawers and 2" boxes
- Inventory racks with sliding drawers and 3" boxes

iii) Comprehensive Warranty

For the Second and Third year

All equipments must operate at 230V/50 Hz single phase and / or equivalent three phase electrical power.

Quote may be made for package / individual item / optional items / in part

It may be noted that the optional features will be considered depending on the budget and/or requirements

Price must be quoted separately for each individual item listed above, as far as possible.

Tender committee reserves its right to select or reject any or all of the items mentioned above without assigning any reasons.

III. Instructions to the Bidder: -

1. Submission of Tender

Bids should be submitted separately for items under 1,2 and 3 as per the Tender Notice and **in each case under two bid system viz. Technical Bid and Commercial Bid** super-scribing the name of the equipment, bidder's name, and Tender No. Technical Bid shall contain documents such as

- Proof of annual turnover
- Copy of Registration Certificate
- Copy of PGST/CST registration
- PAN allotted by Income Tax Department
- Copy of ISO or equivalent certification
- Detailed profile of the firm, domain expertise and other details substantiating their claim
- Technical specifications for the items quoted
- List of places where the instrument is installed

Commercial Bid shall contain only price details, including terms & conditions listing the basic price, taxes, etc.

Note: Technical Bid and Commercial Bid shall be placed in two separate sealed covers. Only after the acceptance of Technical Bid, the Commercial Bid shall be opened.

If any firm places both Technical Bid and Commercial Bid in one cover or in a single folder or in any fashion other than the one prescribed by the University, they will be summarily rejected.

This is to be dropped in the Tender Box placed at the Reception Counter, Pondicherry University, or sent by the Registered post/ courier service addressed to the Registrar, Pondicherry University, R.V. Nagar, Kalapet, Pondicherry 605 014, India positively before the tender bid closing time.

2. Earnest Money Deposit (EMD)

The Tender document must accompany an EMD of 2.5% of the total cost for each item by means of a separate Demand Draft, drawn in favour of the Finance Officer, Pondicherry University, Payable at Puducherry. The amount is refundable. **The tender document can be had from the Information Facilitation Counter, Administrative Block, Pondicherry University on payment of Rs.1000/- (Rupees One Thousand Only) by means of D.D. in favour of the Finance Officer, Pondicherry University or could be downloaded from the website of the University at www.pondiuni.edu.in. The download application should also accompany a D.D. for Rs.1000/- as mentioned above as tender document fee.**

- 3. Last date and time for submission of Tender: January 21, 2009 2:00 PM**
- 4. Date & Time of opening of Tenders: January 21, 2009 , 2:30 PM
Incuse it is declared as a holiday on the tender opening day the tender opening will be held on the next working day at the same time**

IV. Eligibility:

1. Only original equipment manufacturers are permitted to quote against the requirement. Original equipment manufactures may, if they so desire, route their tenders/quotations through an authorized Indian agent. In the latter case, the tender must be on the Manufacturer's letter head and duly signed by an authorized personnel (with name and designation) of the original company (Not by the Indian agent).
2. The firm must have the requisite domain expertise with regard to supply, installation and post-sale service of the items they are quoting.
3. The firm should have been in existence for at least six years as on the date of this document and must have executed at least three orders for this kind of equipment during the last five years.

V. Conditions of Contract: -

1. The offer must be in English. The rates should be indicated both in figures and words against item specified in the given Annexure. It is preferable that the price be quoted in Rupees or in US Dollars.
2. The taxes / duties / discounts, if applicable, are to be explicitly and separately shown in the bid and under no circumstances these components shall be added to the basic price and shown as single price. All the components of taxes, if applicable, should be shown explicitly and separately.
3. **The total cost should be quoted for FOB (ex-port, Chennai, India) as well as CIF-Pondicherry, India.**
4. The prices quoted shall remain firm until equipment is supplied to the Pondicherry University.
5. **The validity of each quotation should be at least 120 days from closing date of the bid.**
6. The offers will not be considered if received after the bid closing date and time.
7. The offers received through telex / telefax / e-mail will not be accepted by the university under any circumstances.
8. The university shall not be responsible for delay / loss or non-receipt of tenders by post / courier service.
9. No unsolicited correspondence shall be entertained after the submission of the offer.
10. If an order is placed with the firm, the purchase shall be governed by an agreement as per the University rules in force.
11. 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 dt. 23.07.96 respectively.

In respect of

- a. Scientific and technical instruments, apparatus, equipment including computers.

- b. Accessories and spare parts of goods specified in (a) above and consumables.
- c. Computer softwares, compact disks, CD ROM, Recording magnetic tapes, microfilms, micro-chips etc.
- d. Prototypes.

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

- 12. Infra-structural, power and any other requirement for satisfactory installation and commissioning of the whole system must be provided, at least 120 days in advance of the installation to be commenced. All drawing for electrical connections, electrical safety items piping work etc. must be provided in detail.
- 13. Complete technical specifications and literature, including process flow, to be included with the quotation. Manufacturers of various major parts/equipment must be mentioned explicitly.
- 14. A clear statement regarding availability of after-sales service and availability of spare-parts for next 5 to 10 years should be included.
- 15. Please give a recent customer list (within last five years) with contact details including email address.
- 16. If you have an authorized representative in India, you are requested to inform his 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.
- 17. 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.
- 18. The bidder from within India shall obtain the requisite approval for Imports etc., if required.
- 19. Additional terms and conditions can be incorporated by the University, if necessary, in the purchase order to safe guard the interests of the University.
- 20. Tender is not transferable.

21. 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.

22. **Warranty:** The material 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 12 months from the date of putting the system into operation** at the Pondicherry University, or at least 18 months from the date of receipt of the last lot of the consignment in India.

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.

23. **Payments terms:** Normally a letter of Credit will be opened for 100% FOB price on receipt of order acknowledgement, however, 90% of the LC amount will be paid on proof of the shipment of the consignment with necessary documents to be detailed at the time of placing of the purchase order.

Balance of 10% of the LC amount shall be made after satisfactory installation and commissioning and against submission of the Installation & Commissioning certificate, duly accepted by the purchaser, and **a performance bond of 10% of the total contract / purchase value in the form of bank guarantee (obtained from Nationalized Bank of India) for the duration of the Warranty period.**

Bank charges in India shall be borne by the purchaser and outside India shall be born by the contractor / supplier.

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

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

26. 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.
27. For any clarification with respect to technical specifications, please contact Prof. P.P. Mathur, Centre for Bioinformatics, Pondicherry University.

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