



सूक्ष्मजीव प्रौद्योगिकी संस्थान
सेक्टर 39-ए, चण्डीगढ़, 160 036 (भारत)
INSTITUTE OF MICROBIAL TECHNOLOGY
(A CONSTITUENT ESTABLISHMENT OF CSIR)
Sector 39-A, Chandigarh-160 036 (INDIA)

No: PUR/2009-10/IND11990/KK

Date: 10/02/2010

To

Sub : Request for Pro-forma Invoice

Dear Sir

This Research Institute is interested in purchasing of the items mentioned below. You are therefore requested to forward a pro-forma invoice along with your terms & conditions of supply & payment. Please provide a copy of the technical literature and the specifications of these items in a sealed envelope.

Please read carefully the terms and conditions mentioned overleaf and submit your pro-forma invoice/quotation accordingly.

SNo.	Name of Item	Catalog No	Qty
1	UV-Visible spectrophotometer, 1	Not available	2

Important

- Please mention our reference number on the envelop and address all correspondence to Director IMT Chandigarh only.
- Please quote strictly as per our specifications.
- Please attach compliance sheet
- Proforma Invoice received after due date will not be considered under any circumstances.
- Please note that your Quotation should reach us latest by **02/03/2010** opened on **03/03/2010**
- **Your Quotation must be duly stamped and reach directly to IMT from you only. If quotation is submitted by Indian representative/agent then they must have to produce a authority certificate of principal party for quotating the price Other wise it will be very difficult at our end to consider your quotation.**

Yours faithfully,

Stores & Purchase Officer.

Specifications for Photodiode Array UV- VIS Spectrophotometer

Light Source:	Deuterium Lamp and Tungsten lamp with option of switching off Duterium lamp when working in visible wave length range
Detector:	: PDA with 1024 elements or more
Wavelength range	:190 - 1100 nm
Wavelength accuracy	: ± 0.5 nm with Holmium Oxide glass filter or better ± 0.2 nm with 486 and 656.1 nm Duterium peaks or better.
Wavelength reproducibility	: <0.02 nm
Wavelength resolution	: 1 nm or better
Resolution Test	: >1.5 (EP)
Photometric accuracy	: ± 0.01 AU As per Potassium dochromate method (EP) ± 0.01 AU at 440 and 590 nm with 1.0 AU of Neutral density glass filter or better.
Photometric noise	: <0.0002 AU at 500 nm
Stray light	: <0.03 % T at 340 nm <0.05% T at 220 nm <1% T at 198 nm.
Base line flatness	: <0.001 AU or better
Measurement time	: 100 ms in the fast Mode over the full wavelength range, 1.5 Second for 1 datum in full wave length range
Power supply	: 220 V , AC 50 Hz, $\pm 15\%$ nominal, unregulated.

User interface

User interface and capability of transferring data using general purpose USB Pendrive and processing on a remote computer.

Computer with flat monitor 17 inches/ notebook PC having following configuration

Processor :	1.5 -2 GHz, Duel core , or better
Hard disk:	180GB to 360GB
RAM :	2GB minimum or better
Optical drive :	8X R/W or better DVD drive
Sound Card	:Standard compatible
Video card	:Standard compatible

USB Ports as per requirement
Laserjet printer
Flat 17 inch Monitor (For Desktop)
Operating System : Windows Vista

Free on site installation and 2 Year on site warranty

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Required software (installed and as well as on installable CD-ROM) for data acquisition and processing.

Software for kinetic and end point studies, Calibration curve, Determination of Correlation Coefficient, Time based kinetic study, routine and fast mode analysis of biological samples including protein, enzymes and nucleic acids.

Self diagnostic and monitoring of system components, auto calibration and warning of failed components.

Accessories:

1. **Peltier device** : Compatible and designed for standard 10 mm quartz cuvette for temperature control in kinetic studies.
Temperature control range , 15 to 70 °C.
 2. Attachment for microcuvette for microvolume analysis with microcuvette
 3. Two 10 mm path-length quartz cuvette
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