

Department of Biochemistry
University of Delhi South Campus
Benito Juarez Road, New Delhi 110021

Quotation Invitation Letter

Date: 26-02-2019

Ref. No. – UDSC/BIOCHEMISTRY/2019 /08

PURCHASE OF BENCHTOP PH METER

Quotations are invited through e-procurement for the following equipment to be uploaded latest by **12th March, 2019**

Name of the equipment :Benchtop pH meter

Quantity : One

Specifications and Technical Details:

Benchtop pH Meter to be supplied with:

- ROSS Triode 3-in-1 pH/ATC probe
- 60mL each of pH 4,7 and 10 buffers
- 60ml of Storage solution
- 60ml of Cleaning solution
- pH electrode storage bottle
- Electrode Stand &
- Universal Power adapter

Technical Features

- The system should have Large Backlit graphic display.
- It should have auto read facility that locks in the stable reading on the screen and ready indicator alerts when readings are stable.
- The informative display should clearly show the main information including electrode status, pH, mV, temperature in °C or °F, meter mode, calibration information and power source time, date, sample ID, User ID and Calibration Points.
- The system should have 3 Point pH Calibration with automatic recognition of buffers (for US/NIST and DIN).
- The system should include electrode arm and probe holder to maintain and place probes in the samples.
- The machine should have auto read facility that locks in the stable reading on the screen and indicates when the readings are stable.

- The instrument should have Calibration edit facility to fix calibration errors without full recalibration.
- The instrument should have a recall calibration slope data for procedure checks.
- The system should have Non volatile memory for at least 50 data points with time and date stamp.
- The system should be capable of transfer of data with USB and RS232 ports and complimentary data analysis software
- The system should have universal power adaptor as well as battery operated (use four AA batteries sold separately).
- It should have a IP54- rated housing to handle splashes and can be wall-mounted if table space is a problem.
- A warranty of at least 2yrs.

TECHNICAL SPECIFICATIONS:

pH

- Range : -2.00 to 16.00
- Resolution : 0.1, 0.01
- Relative Accuracy : ± 0.01
- pH Calibration Points : Up to 3points

mV

- Range-mV : ± 1600.0 mV
- Range-RmV : ± 1999.9 mV
- Resolution : 0.1
- Relative Accuracy : ± 0.2 mV or $\pm 0.05\%$ of reading whichever is greater
- Relative mV Calibration

Temperature

- Range : -5 to 105°C, 23 TO 221°F
- Resolution : 0.1
- Relative Accuracy : ± 0.1
- Temp. Compensation : Automatic or manual
- Temp. offset Calibration: Yes

Datalogging

- Number of points : 50
- Log Function : Manual, Automatic with auto reading function
- Log Edit :Should be able to delete last or all entries.

Inputs

- pH Electrode : BNC
- ATC Probe : 8-pin mini-DIN

Power

- Universal AC adaptor, 100-240 volts

- Battery Power : Optional- 4 AAs
- Battery Life : a minimum of 2000 hrs

Eligibility Criteria

- Bidder should be Manufacturer/ Authorized Partner/ Reseller of the manufacturer and a Letter of Authorization from manufacturer for the same and specific to the tender should also be enclosed.
- The Bidder shall provide the Registration number of the firm along with the LST/ CST/ WCT No. and the PAN Number issued by the concerned authorities.
- Separate technical and price bid should be uploaded.
- Technical Bid must contain a Technical Compliance sheet. Technical compliance sheet must have the page number of a published catalogue/ technical specifications/ accessory information/manufacture website as proof for compliance with each technical point. Relevant copies of published catalogue/ technical specifications/ accessory information/manufacture website that have been listed as proof should be attached.
- The bidder must not be blacklisted by Delhi University. A Certificate or undertaking to this effect must be submitted.

Instructions to Suppliers:

Two types of quotations are to be submitted in e-procurement site : **Technical and Financial.**

Technical Quotations should contain all details of technical specifications of the equipment including manufacture and model details along with commercial terms and conditions, warranty and delivery schedule. The quote should be valid for a minimum of 60 days from the due date. Pictures of the equipment must be included with similar specifications as above with logo or name of the company on them. Authorization certificates from the Principal manufacturer, if any, must be provided. Proprietary certificate for any proprietary or patented item must be provided. Unique features maybe highlighted along with their applications and advantages over other available accessories.

A user list of atleast 5 (five) users of the equipment quoted (who have installed and used them successfully for years) with complete addresses / e-mail IDs / phone nos should also be appended.

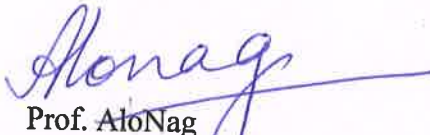
Financial Quotations should contain price of the equipment, accessories, discount if any, packaging and forwarding charges, Air Freight and insurance charges, custom duty and clearance as well as transportation charges to the site of delivery/installation. The price quoted should be F.O.R. destination (UDSC). CDEC will be provided, if needed.


Payment will be made against successful delivery and after confirmation that the item is intact and functional.

The supplier should provide quotation or tender through e-procurement site.

No Commitment to Accept Lowest or Any Tender

- Demonstration of the item or its use will be required, if needed
- Institute reserves the right to order equipment/accessories with better quality and suitability over lower price and to accept or reject any or all quotations without assigning reasons thereof.
- University of Delhi shall be under no obligation to accept the lowest or any other offer received in response to this tender notice and shall be entitled to reject any or all offers. University of Delhi will not be obliged to meet and have discussions with any vendor, and or to listen to any representations.


Prof. Alo Nag
Department of Biochemistry
University of Delhi South Campus
Benito Juarez Road
New Delhi 110021
Phone – 011-24114159


विभागाध्यक्ष / Head
जैव रसायन विभाग
Department of Biochemistry
दिल्ली विश्वविद्यालय दक्षिण परिसर
Delhi University South Campus
नई दिल्ली-110021
New Delhi-110021