MAHATMA GANDHI UNIVERSITY
SCHOOL OF BIOSCIENCES

Priyadarshini Hills P. O Kottayam – 686 560 Kerala, South India
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No.SBS/01/Rusa/pH Meter/2023 Date: 18.08.2023

QUOTATION NOTICE

Sealed competitive quotations are invited for the supply **pH meter** for the **School of Biosciences, Mahatma Gandhi University, Kottayam**. The quotation should clearly mention the make, model, specification and warranty of the items as well as the terms and conditions. The amount quoted should be inclusive of all taxes, excise duty as well as loading, unloading and transportation charges if any. Low quality and damage items will be rejected. The details of the items required are as mentioned below:-

Details of Items Required	Quantity
pH METER • pH Range:- -2.00 to 16.00 pH; -2.000 to 16.000 • pH Resolution :- 0.01 pH; 0.001 • pH Accuracy (@25°C) :- ±0.01 • pH:- ±0.002 pH • System should have automatic calibration up to 3 points for pH. • Meter should have automatic temperature compensation,5.0 to 100.0°C . • Meter should be capable of Electrode Diagnostics such as, standard mode: probe condition, response time and out of calibration range • mV pH Range ±1000 mV • mV pH Resolution 0.1 mV • mV pH Accuracy (@25°C) ±0.2 mV • ORP Range ±2000 mV Resolution 0.1 • mV Accuracy (@25°C/77°F) ±0.2 • mV (±999.9 mV); ±1 mV (±2000 mV) • Calibration: one-point calibration for mV • Should supply with Bluetooth digital pH electrodes. Once a probe is connected, all sensor information including sensor operating specifications and calibration information is transferred. pH electrodes are easy to exchange when you want to change from	**01**

measuring with one type to another without the need for recalibration. • pH electrode is a double junction, gel filled, glass body pH electrode with a built-in thermistor temperature sensor. All readings are automatically compensated for temperature variations. • pH electrode transmits measurement data directly to meter or a compatible Apple or Android device. pH electrodes are auto-detected providing pH sensor type, calibration data and serial number when connected. • Meter should be capable of GLP data collection, Review at anytime at a push of a button. GLP data includes, date, time, buffers, offset and slope of the last pH calibration. • CAL Check feature analyses the pH electrode response in the pH buffers during the calibration process to alert the user of potential problems such as contaminated buffer and clean electrode. • Keypad should be capacitive touch. Since the keypad is part of the screen, there are no buttons to get clogged with sample residue. • Meter should have 5.5" LCD display that you can clearly view from over 5 meters. The large display and it's wide 150° viewing angle.	

The cover containing the quotations should be super scribed **"Quotation for pH meter"** and the same should reach the Head of Department, School of Biosciences, Mahatma Gandhi University on or before **7th September, 2023 at 2 pm**. The quotations will be opened at **3 pm** on the same day at the School of Biosciences, Mahatma Gandhi University.

P.D.Hills

HEAD OF THE DEPARTMENT
Head of Department
School of Bioscience

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