

DC/ST/Equip./20/2021-22

10.12.2021

Department of Chemistry, University of Kerala, Kariavattom

QUOTATION NOTICE

Sealed competitive quotations are invited from reputed firms/manufacturers for the following equipments in the Department of Chemistry, University of Kerala, Kariavattom, Thiruvananthapuram.

Tender Notification Date : 13/12/2021

Last Date of Receiving Tender/Bid Closing : 28/12/2021, 4.00 pm

Date and Time of Opening Tender : 29/12/2021, 3.00 pm

Equipments:

1. Vertical Distillation Unit, Double Stage, Quartz Boiler & Condenser with Built in Quartz Heater

Quantity: 1 No.

Technical Specifications

Double Stage

Power : 4.5 kW

Output : 3.0 L/hr

Cooling Water Requirement : 75 L/hr

Conductivity : 1.0 – 2.0 $\mu\text{s}/\text{cm}$

Auto-Cut off System with audio Alarm for double stage (Industrial Grade)

2. Vertical Autoclave

Quantity: 1 No.

Technical Specifications

Insulation wall: Doubled/triple wall

Material: Stainless steel

Digital temperature indicator
Digital temperature controller
ISI marked and immersion heating elements
Silicon rubber gaskets
Water level indication
Water inlet and outlet valve
Working pressure: 15 to 20 psi
Temperature: 121-125°C
Controller: Auto set to 15psi & 121 °C
Pressure display: Analogue dial guage

3. Programmable DC power source

Quantity: 1 No.

Technical Specifications

0 to 35 V/2.2 A or better

Load and Line Regulation \pm (% of output + offset)

Voltage $< 0.01\% + 3$ mV

Current $< 0.01\% + 250$ μ A

Normal Mode Voltage < 5 mVpp/0.5 mVrms or better

Normal Mode Current < 4 mArms Common Mode Current < 1.5 μ Arms

Programming Voltage $< 0.05\% + 10$ mV

Current $< 0.2\% + 10$ mA

Transient Response Less than 50 μ sec for output to recover to within 15 mV

following a change in output current from full load to half load or vice versa.

Settling Time < 90 msec

Capability for generating sine, triangle, square, saw tooth waves

4. Portable pH Pen

Quantity: 1 No.

Technical Specifications

Display: LCD display

pH measuring range: 0.00-14.00

pH accuracy: ± 0.1

Temperature resolution: 0.5°C

Temperature Accuracy: $\pm 1^\circ\text{C}$

pH calibration: up to 3 points

Low battery indicator

Auto power off

Compatible size

long pH probe

Terms and Conditions

Kindly quote the price in Indian rupees by separately mentioning the taxes, cost of supply at the site, warranty and installation charges etc.

The Bid will be valid for 90 days from its date of opening.

Incomplete & conditional quotations and quotations received after the due date will be summarily rejected without assigning any reasons thereof

If any of the components is found to be defective during the warranty period, the vendor has to replace the defective item immediately at their own cost.

Supplier authorization letter and specification compliance sheet to be provided along with the quotation.

Supplier should mention their details of service setup and manpower in Trivandrum who are responsible for after sales service.

Those firms who are interested to quote more than one instrument should send individual quotations for each item separately.

The undersigned reserves the right to reject or accept the quotation without assigning any reason

The item should be delivered and installed in 4 weeks of receiving the purchase order. All incidental expenses should be borne by the supplier.

The quotations should be submitted or send in sealed cover to The Head, Department of Chemistry, University of Kerala, Kariavattom, PIN-695581 on or before 28th December 2021.



Jayam
10.12.21
Assistant professor & Head

ASSISTANT PROFESSOR AND HEAD
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