



QUOTATION NOTICE

Sealed quotations are invited for the supply of a pH meter, Conductivity meter, Flame Photometer and Reciprocating shaker having below mentioned specifications. Interested firms can participate in the quotation process.

1. pH meter

Microcontroller based pH meter with 3 point calibration

pH

pH range : 0 to 14 pH
Resolution : 0.01 pH
Stability : 0.01pH per hour
Relative Accuracy : $\pm 0.02\text{pH} \pm 1\text{Digit}$
Calibration : 2 Point and 3 Point

mV

Range : 0 to $\pm 1999.9\text{mV}$
Resolution : 0.1mV
Accuracy : $\pm 0.5\text{ mV} \pm 1\text{ Digit}$ or $\pm 0.05\%$ of reading
Printer port

Temperature

Automatic temperature Compensation

Range : 0 to 99.9°C
Resolution : 0.1°C
Accuracy : $\pm 0.5^\circ\text{C} \pm 1\text{ Digit}$
Display : 7 segment 7 digit

2. Conductivity Meter

Micro controller-based Conductivity Meter with cells (1 cc and 0.1cc)

Conductivity:

Range : $0.1\mu\text{S}$ to 100mS (6 decadic ranges)
Resolution : $0.001\mu\text{S}$
Accuracy : $\pm 1\%$ of F.S. $\pm 1\text{Digit}$

Temperature

Resolution : 0.1°C
Accuracy : $\pm 0.2^\circ\text{C} \pm 1\text{ Digit}$

Cell Constant : Acceptable from 0.1 to 5.0

Printer port

Auto Temp. Compensation: 0 °C to 100°C with PT 100 sensor

Display : 7 Digits, 7 Segment LED with Automatic decimal point selection
Accessories : i) Conductivity cell (1CC and 0.1 CC)
ii) Temperature probe (PT-100 Sensor)
iii) Stand and Clamp.

3. Flame photometer

Micro controller based Flame photometer with auto ignition

- Determination of 3 elements with single aspiration
- Calibration standard up-to five point.
- Auto Ignition and Auto Gas cut-off
- Gas leak sensor
- Separate login for Administrator and Guest
- Results of a measurement taken earlier can be recalled and displayed (Maximum result storage: 500)
- Graphics LCD readout (240 x 128 Dot) LCD readout
- Online reading facility
- Filters Na, K, Ca
- Sensitivity of calibration
K: 0.1 to 100 ppm
Na: 0.2 to 100 ppm
Ca: 3.0 to 300 ppm
- Curve fitting accuracy : + 2% on full scale
- Sample volume: Approximately 3ml
- Accessories: Glass beaker 10 number, Compressor, Gas valve

4. Reciprocating shaker

- Reciprocating action with forward and backward movement
- Controllable speed shaker
- Top tray with adjustable Stainless steel rod (cross rod X axis and Y axis- horizontal and vertical alignment)
- 50 x50 cm platform size with 16 flasks of 250 ml capacity
- It can accommodate bottles of different sizes
- Digital display timer and RPM indicator, displacement approximately 40 mm.

TERMS AND CONDITIONS

1. Sealed cover containing the quotation should be superscribed 'Quotation for the supply of equipments' and addressed to the '**Professor and Head, IFSRS, Karamana**' and reach the undersigned on or before 2.45 pm on 10/01/2022 and the same will be opened at 03:00 pm at the chamber of the Head of office in the presence of those quotationers or their representatives (with letter of authority from the concerned quotationers) who are present at that time.
2. Late and incomplete quotations will not be considered under any circumstances.
3. The prices (including tax) and specifications of each items should be stated separately.
4. The warranty of the devices should be expressed clearly.
5. 5% of the cost of the item should be deposited as security deposit, either in the form of Demand Draft in favour of the 'Professor & Head, IFSRS, Karamana' or 'Bank Guarantee' and an agreement should be executed on stamp paper worth Rs. 200/- on receiving firm supply orders.
6. The cost of GST/tax and other charges, if any, should be seperately stated.
7. The rules and regulations pertaining to Government quotations will be applicable.
8. Professor and Head, IFSRS, Karamana shall have full power to accept or reject the quotation without assigning any reason, to do so.

Dr. Jacob John
Professor and Head

Copy to: Notice Board
Firms by e-mail
KAU Website



//Approved for issue//

Administrative Assistant