

GOVERNMENT ENGINEERING COLLEGE, THRISSUR
NOTICE INVITING TENDER

D2/11563/22/GECTCR
 09.12.2022
E Tender No. : D2/66/22-23

Superscription : **Purchase of equipments to Chemical**
Department

Bidding fee : Rs. 590/-(500 +18%GST)
 EMD required : Rs. 2310 /-

Address of the Officer to whom hardcopy: **THE PRINCIPAL, GOVERNMENT**
 is to be sent.

ITEM SPECIFICATION

Sl.no	Item with specification	Quantity
1	<p>Multiparameter Benchtop Meter with w/pH Electrode, Conductivity/ACT Probe and electrode stand + Combination Ion-Selective Electrode (ISE), Chloride (Cl) + Chloride (Cl-) ISE Double junction solution kit +NIST Traceable® Conductivity Standard, Batch-Tested, 1413 µS; 500 mL</p> <p>Specifications: Meter Type- Benchtop Display type- LCD Connections pH: BNC; Temperature: 2.5 mm Min pH (pH)-2 Max pH (pH)20 pH Resolution0.001/0.01/0.1 pH Accuracy±0.002 pH Buffer Recognition DIN, NIST, and USA Calibration Up to 6 points Min mV (mV)-2000 Max mV (mV)2000 mV Resolution 0.1 or 1 mV mV Accuracy±0.2 mV or 0.05%, whichever is greater Min ISE0 to 19999 ppm ISE Resolution0.001 ppm; 0.001 molar ISE Accuracy±0.5% of reading Max Conductivity0 - 500 mS Conductivity Accuracy±1% FS Min TDS0 to 500 ppt Min Salinity0 to 80 ppt Salinity Accuracy±1.0% FS Resistivity Resolution0.01 mΩ; 0.01 or 0.1 Ω; 0.001 or 0.01 kΩ</p>	1 Unit

	<p>Resistivity Accuracy $\pm 1\%$ FS Min Temperature ($^{\circ}$ C) -10 Max Temperature ($^{\circ}$ C) 110 Min Temperature ($^{\circ}$ F) 14 Max Temperature ($^{\circ}$ F) 230 Temperature compensation Automatic or manual Interface RS-232 Power (VAC) 110 to 240</p>	
	<p>Power (Hz) 50 or 60</p>	
2	<p>pH meter with pH Buffer Pack; 500 mL of each pH 4.01, 7.00, and 10.01 (traceable to NIST standard reference materials) Specifications: Product Specification Description pH Range -2.00 to 16.00 pH Resolution 0.01 pH Accuracy ± 0.01 pH Cal. Points Up to 5 Buffer Sets USA (1.68, 4.01, 7.00, 10.01, 12.45), NIST (1.68, 4.01, 6.86, 9.18, 12.45) ORP Range ± 2000 mV Rel. mV Range ± 2000 mV Resolution 0.1 mV (± 199.9 mV) / 1 mV (beyond) Accuracy ± 0.2 mV (± 199.9 mV) / ± 2 mV (beyond) Temperature Range (Meter) 0.0 to 100.0 $^{\circ}$C / 32.0 to 212.0 $^{\circ}$F Resolution 0.1 $^{\circ}$C / 0.1 $^{\circ}$F Accuracy ± 0.3 $^{\circ}$C / ± 0.5 $^{\circ}$F (0 to 70 $^{\circ}$C) Compensation ATC / MTC (0 to 100 $^{\circ}$C) (pH only) Calibration Offset in 0.1 $^{\circ}$ increments; offset range: ± 5.0 $^{\circ}$C / ± 9.0 $^{\circ}$F Power Requirements 9 V DC adapter, 1.3 A (100/240 VAC, SMPS)</p>	1 unit
3	<p>Digital Colony Counter Specifications: LED Display with audio beep at every count. Woulff huegel grid glass plate. Full Stainless steel (SS304 or higher grade) fabricated body Magnification: 2x. Maximum Count: 9,999. Manual count switch for counting without "Marker Pen".</p>	1 unit

General conditions

1. The unit price, all other charges such as delivery, transporting, packing, shipping, loading and unloading charges etc, and GST must be shown separately and should be furnished unambiguously.
2. Payment will be made only after the successful supply, installation and testing.
3. F.O.R: Govt. Engineering College, Thrissur.
4. Agreement: Preliminary Agreement in Rs.220/- Kerala Stamp Paper.
5. Date of opening of tender: In case the proposed date declared as holiday, the tender will be opened on the next working day.
6. After E-tendering the hard copy of all documents should be submitted before the date of opening of the tender to the Principal, Government Engineering College, Thrissur.
7. Items to be supplied at Civil Engineering of Govt. Engineering College, Thrissur.
8. The items should have a minimum guarantee period of one year from the date of installation and successful performance.
9. Installation, successful demonstration and training required.
10. Delivery Period: Immediately after the date of receipt of supply order within two months
11. 5% security deposit along with agreement should be furnished within a month/fortnight from the date of receipt of supply order.
12. Only GST Registered firms should participate in the tender.
13. Bidder shall be responsible for installation / demonstration as applicable and for after sales service during the warranty and thereafter.
14. Installation and demonstration to be arranged by the supplier free of cost and the same is to be done within 15 days of the arrival of the equipment at site.

NB: The Tender procedure will be made as per Rules mentioned in the Revised Store Purchase Manual. The bidders should participate this tender through E-Tendering System. Tender cost and EMD should be submitted only through online. For more details Contact Ph.0487 2334144.

sd/-

Principal

Approval Valid

Digitally Approved By

Dr Ranjini Bhattathiripad T *

Date: 09.12.2022

Reason: Approved

Forwarded / By order

Accounts Officer

Per

2