

Office of the Principal, Rajiv Gandhi Institute of Technology,
Kottayam

SHORT TENDER NOTICE

No. D1/3049/22/RIT

Dated: 19.07.2022

e-tenders are invited for the supply of various equipments for the use of Environmental Engineering Lab in Civil Engineering Department of Rajiv Gandhi Institute of Technology, Kottayam.

Sl.No	Tender No	Item
1	D1/3049/22/RIT	Double Beam UV-Visible Spectrophotometer (1 unit) (Specifications attached)
2	D1/3049/22/RIT	Heating mantles for COD - 6 units in one block (250 ml capacity) with temperature regulator(Specifications attached)
3	D1/3049/22/RIT	COD Digester Block(Specifications attached)
4	D1/3049/22/RIT	Micropipettes 0.5 – 5 mL adjustable(Specifications attached)
5	D1/3049/22/RIT	Micropipettes 1.0–10 mL adjustable(Specifications attached)

Cost of e-tender :₹ 3009/- including GST₹
459/-

Last date and time of submission of e- tender :23/08/2022, 10 am

Date and time of opening of Technical Bid of e-tender :25/08/2022, 03 pm

Date up to which rates are to be firm :31/03/2023

Total Estimated cost- **₹ 8,50,000/-**

Cost of tender form is acceptable only by on-line payment. As per condition the tenderer should send along with his tender an agreement executed and signed in Kerala Stamp paper worth Rs.220/- and Earnest money deposit ,1%(Minimum amount ₹ 1500/-) of the total cost of articles tendered. Tenders without agreement, tender form and Earnest money deposit will be rejected.

While filing the BOQ care should be there as only gross amount will be consider for financial bid. GST may be calculated on the total amount (column 13)and should be on par with government approved rate.

Dr. Sathishkumar C

Principal

Copy to College site , SF ,OC

List of Required Items

SI .no	Item with Specification	Quantity required
1	<p align="center"><u>Double Beam UV-Visible Spectrophotometer (1 unit)</u></p> <p>Wavelength range - 190-1100 nm</p> <p>Wavelength accuracy - ± 0.05 nm for entire range</p> <p>Wavelength reproducibility - $< \pm 0.02$ nm</p> <p>Data interval - 0.1 nm, 0.2 nm, 0.5 nm, 1 nm, 2 nm, 5 nm</p> <p>Stray light - Less than 1% at 198 nm</p> <p>Photometric range – Absorbance : -2A to +3.5 A</p> <p>Photometric repeatability - ± 0.001 A at 1A</p> <p>Photometric Display - 3A to 5.0A</p> <p>Baseline Stability - Less than ± 0.0003 Abs/hr</p> <p>Baseline flatness - Less than ± 0.002 A</p> <p>Drift - < 0.0005 A/H</p> <p>Noise level - Less than ± 0.00020 A at 0A at 260 and 500 nm</p> <p>Light Source - Xenon Flash Lamp (minimum 3 years warranty)</p> <p>Detector - Dual Silicon photodiode</p> <p>Power Requirement - External AC to DC converter. Voltage and Frequency (Hz) selected automatically, 100–240 volts, 50–60 Hz.</p> <ul style="list-style-type: none"> • 	1 no.

	<p>800 × 1280 pixel</p> <ul style="list-style-type: none"> <p>Warranty - 3 Years for complete instrument</p> <p>Weights – ≤ 10 kg</p> <p>PC Compatibility – Software should be provided, External control should be possible via USB</p> <p>8-position cell changer as standard for multiple sample analysis at a time, two pair of Quartz cuvette with 10 mm path length and 3.5 ml volume (2 Sets), Software, etc included.</p> 	
2	<p>Heating mantles for COD - 6 units in one block (250 ml capacity) with temperature regulator</p>	1 no.
3	<p>COD Digester Block</p> <p>Temperature range -100 - 155° C</p> <p>Timer - Automatic</p> <p>Positions - 15 minimum</p> <p>Display - LED</p> <p>Two sets of High quality COD vials (with tight caps) included</p>	1nos.
4.a	<p>Micropipettes</p> <p>0.5 – 5 mL adjustable micropipette with suitable 100 nos tips – 2 sets</p>	2 nos.
4.b	<p>Micropipettes</p> <p>1.0–10 mL adjustable micropipette with suitable 100 nos tips – 2 sets</p>	2 nos.