



Mahatma Gandhi University, Kerala

Tender No: AMMRC/ETENDER/UV1//2018.

Dated: 01 /12/2018

NOTICE INVITING TENDER

(Tender No: AMMRC/ETENDER/UV1/2018)

The Registrar, Mahatma Gandhi University, Kottayam invites online bid (technical and financial bid) for Supply and Installation of the Scientific Equipment **UV Absorption Spectrophotometer** from reputed firms. The period of the tender is 180 days from the date of tender.

1	Name of the scientific equipment	UV Absorption Spectrophotometer
2	Earnest money deposit (EMD)	Rs. 15000/-
3	Tender submission fee	Rs. 2300/- + GST
4	Period of supply and installation	Within 60 days
5	Mode of submission of Bid	Online
6	Tender Documents	Can be downloaded from the website www.etenders.kerala.gov.in
7	Last date and Time of submission of tender by online	17.12.2018 4 pm
9	Date and time of opening of technical bid	19.12.2018 11 am

General tender documents and tender schedule can be downloaded in A₄ plain size paper free of cost from the website www.etenders.kerala.gov.in. Documents to be submitted along with bid through online.

Sl.No	Through online
1	Scanned copy of valid registration certificate/dealership certificate
2	Scanned copy of duly filled e-payment form
3	Scanned copy of other certificates required, if any, for tender acceptance
4	Scanned Copy of duly filled preliminary Agreement in stamp paper of Rs.200/-
5	BOQ

SPECIAL CONDITIONS

1. Onsite training has to be arranged by the vendor. Training should include operation, software applications, analysis, handling and maintenance of system.
2. List of your customers using the instrument with the above mentioned specifications should be given.
3. Laboratory floor space, electrical power requirements, earthing, room temperature/humidity requirements etc. should be mentioned appropriately.
4. Complete set of service and operation manuals for diagnosis, trouble shooting, maintenance and electronic circuitry (soft copies).
5. The Delivery Schedule, Payment Terms & Warranty/Guarantee etc must be clearly indicated in the technical bid.

The bids shall be opened at the date and time specified. Further details can be had from the office of **The Director, AMMRC, Mahatma Gandhi University, Kottayam, Kerala-686560** on all working days during working hours. Phone no: **+91-9567544740** The bidders are advised to submit their bid well in advance to avoid any kind of network issues.

The undersigned reserves the right to reject any or all the tender without assigning any reason whatsoever.

Registrar

Appendix 1
Specifications for UV- VIS absorption Spectrophotometer

Wavelength Range	190-900 nm or more
Optical System	Double beam, double monochromator, chopper mechanism
Light Source	D2 and tungsten-halogen lamps with automatic alignment
Detectors	High performance PMT
Spectral Bandwidth	0.2 to 4 nm and low stray light mode, in the UV-Vis Range
Photometric range	6 ABS or better
Resolution	0.2 nm or better
Wavelength accuracy	±0.2 nm or better
Diffuse Reflectance Spectroscopy (DRS)	Integrating sphere having 100 mm Dia or higher for powder samples and solid measurements etc
Measurement Modes	Quantitative Analysis , Wavelength scan, Time scan, Fixed Wavelength
Accessories	A latest model branded desktop computer, Printer Software: Windows based user friendly software.
	System must be supplied with Solid/Film Sample Accessory and Liquid Sample Accessory as standard. Future upgrade for Advanced Material Characterization (Vendor must provide technical documents as supporting). System must have fully automated, software controlled and accessories for measurements like Absolute specular reflectance (5-85 degree), Peltier type measurements, Angular transmission, Angular specular reflection, Absorbance measurements, Diffuse transmission and Diffuse reflection Accessory (190-2500 nm).
	<ul style="list-style-type: none"> • Film Holder: Thickness of sample Max. 25 mm to Min. 0.5mm, Sample size Max. 80x100mm to Min.5x5mm. • Sample holder for powder samples and four pairs of quartz cuvettes (10 mm path length) has to be quoted with the instrument • Peltier Temperature controller (0- 100 Deg C) with accessories (Optional) • UPS having minimum 1 hour backup should be supplied.
Warranty	3 years for the complete instrument
Other requirements	<ul style="list-style-type: none"> • The quote should include 2 years of AMC after the warranty period • The quote should include the cost for supply of the instrument at the destination