

Department of chemistry
University of Kerala,
Kariavattom, Thiruvananthapuram-695581
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No. DC/ST/Eq/7/2018-19

E-TENDER NOTICE

Tenders are invited for the "Supply, Installation and commissioning of "Gloss meter" through e-tender only.

Tender notification Date	:- 26/02/2019
Last date of issuing tender document through www.etenders.kerala.gov.in	:- 12/03/2019
Last date of Receiving e-tender through www.etenders.kerala.gov.in	:- 12/03/2019
Date of Opening Technical Bid	:- 15/03/2019
Date of Opening Financial Bid	:- After Technical Evaluation
Earnest money Deposit	:- INR 5,000/-
Tender fee	:- INR 1120/-

Tender Submission: - Two part tender comprising of Technical bid and Financial Bid shall be submitted through e-tender website www.etenders.kerala.gov.in

Tender Inviting authority: Assistant Professor and Head, Department of Chemistry, University of Kerala, Kariavattom Campus, Thiruvananthapuram, Kerala-695581.

Item: Gloss meter

Quantity: 1 No

Specifications:

Measurement geometries	20/60/85°
Measurement units	GU, HU & %
Rotating display	auto, 0°, 180°
Measurement modes	Standard Mode, Auto Repeat Mode; programmable 10-180 readings per minute
Scan Mode	10 readings per second
Limit Standards	up to 40 programmable standards
Readings	gloss, % reflectance, haze

Type of readings	Number of readings, Mean (average), Standard deviation, Highest reading, Lowest reading, Range, Coefficient of variation, Nominal value, High Limit value, Low Limit value, Number above high limit, Number below low limit
Display information	2.4" (6cm) QVGA color TFT display, 320 x 240 pixels or better
Measurement Range	20°: 0 - 2,000 GU; 60°: 0 - 1,000 GU; 85°: 0 – 160 GU
Resolution	Gloss: 0.1 GU (0 – 100 GU); 1 GU (>100 GU) % Reflectance: 0.01% (0 – 10 GU); 0.1% (10 – 100 GU) Haze: 0.1 HU (0 - 100HU); 1 HU (>100HU)
Repeatability and Reproducibility	
Calibration Certificate	
Manual gauge calibration	
On screen statistics - user selectable	
Display	Tough, impact, waterproof & dust resistant Scratch & solvent resistant color display; 2.4" (6cm) TFT, Ambient light sensor; with adjustable auto brightness
Accessories	Integrated calibration tile Calibration certificates for gauge & calibration tile 2 x AA batteries Wrist strap Operating instructions Laptop (Intel core i5, Windows 10, 16GB RAM, HDD Capacity - 1 TB Graphics Memory - 4 GB, Expandable Memory - 16 GB, Screen Type -LED Backlit Widescreen, Screen Size - 39.62 cm, Bluetooth 4.0, Power Supply - 65 W AC Adapter, Antivirus details - Latest one), Software and USB cable Digital laser printer (Features – Print, copy and scan with wireless connectivity, auto duplex printing)
Warranty: Two year comprehensive Warranty is required wherever applicable. If any component is found to be defective during the warranty period, the vendor has to replace the defective item immediately at their own cost	

Documents to be Uploaded

1. Technical bid

1. Signed Compliance Matrix on specifications
2. Detailed Technical Brochure

2. Financial bid

1. BoQ

General Conditions:

1. The Bidder should be a manufacturer or their dealer specifically authorized by the manufacturer to quote on their behalf for this tender as per Manufacturer Authorization Form and Indian agents of foreign principals , if any. Who must have designed, manufactured, tested and supplied the equipment(s) similar to the type specified in the "Technical Specification". Such equipments must be of the most recent series/models incorporating the latest improvements in design.
2. Incomplete & conditional tenders and tenders received after the due date will be summarily rejected without assigning any reasons thereof.
3. The price should be inclusive of all taxes, transportation, installation etc. Nothing extra will be paid in addition to the quoted rate.
4. Payment Terms: 90% payment shall be made through irrevocable L/C on presentation of complete and clear shipping documents and balance 10% of the amount shall be released after the receipt, installation, commissioning and acceptance of the equipment.
5. Validity of tender: Tender submitted shall remain valid at least for 90 days from the date of opening the tender. Validity beyond three months from the date of opening of the tender shall be by mutual consent.
6. Users list of the specified model, preferably from research centres within Kerala, Names of Institutes with contact person and telephone/email shall be mentioned in the bid. Performance Certificate from at least 3 research centres (or Industries), preferably in Kerala shall be an added advantage.
7. Delivery and installation: Proposed delivery schedule should be mentioned clearly. Delivery and installation and training for a minimum of three people should be made at Department of Chemistry, University of Kerala, Kariavattom campus, Trivandrum- 695581, without any extra cost.
8. Service facility: The supplier should be fully equipped to render after sale service during warranty and thereafter, facility for servicing/maintenance of the equipment after sales should be clearly mentioned in the quotation.
9. The model number, make, and a printed literature of the product shall submit positively.
10. A signed compliance matrix (on specifications and conditions) to be submitted along with the quote.

11. In case of any dispute, the decision of the University authority shall be final and binding on the bidders.

12. The undersigned reserves the right to reject any or all of the tenders received without assigning any reason thereof.

The Head
Department of Chemistry
University of Kerala