

INDIAN INSTITUTE OF ENGINEERING SCIENCE AND TECHNOLOGY, SHIBPUR
HOWRAH – 711 103, WEST BENGAL

NOTICE INVITING TENDER

Sealed Quotations are invited from reputed vendors on behalf of Department of Architecture, Town and Regional Planning, IEST, Shibpur for Supply, Installation and Demonstration of Indoor Air Quality Meter and Datalogger. Last date for submission of quotation to the office of the Head, Department of Architecture, Town and Regional Planning, Indian Institute of Engineering Science and Technology, Shibpur, is 3 PM on February 26, 2018.

LAST DATE AND TIME FOR RECEIVING THE BIDS: 26.2.2018 at 3 PM in the Office of the Head, Department of Architecture, Town and Regional Planning, Indian Institute of Engineering Science and Technology, Shibpur.

DATE AND TIME OF OPENING OF BIDS: 26.2.2018 at 4:45 PM at the Office of the Head, Department of Architecture, Town and Regional Planning, Indian Institute of Engineering Science and Technology, Shibpur..

REQUIREMENTS AND TECHNICAL SPECIFICATIONS:

Supply, Installation and Demonstration of Indoor Air Quality Meter and Datalogger

Parameters	Specifications
Type	CO2 Meter with Data Logging capability and Computer interface
CO ₂	Measuring Principle: Non-dispersive Infrared (NDIR) Technology Sensor Type: Double-beam Infrared Cell Sensor Range: 0 to 5,000 ppm Accuracy: ± 50 ppm $\pm 3\%$ of Value Measured Response Time to 63%: <200 Seconds Resolution: 1 ppm
Humidity	Type of Sensor: Capacitive Range: 5 to 95% RH Accuracy: $\pm 2\%$ RH Resolution: 0.1% RH
Temperature	Type of Sensor: CMOS Units: °F or °C Range: -10°C to 60°C (14°F to 140°F) Resolution: 0.1°C/°F Accuracy: $\pm 0.5^\circ\text{C}$ ($\pm 0.9^\circ\text{F}$)
Sampling Rate	1 Minute to 2 Hours (User Selectable)
Data Storage Capacity	Up to 1 Million Measurements
Alarm	Yes
Display	Dual function LCD
Backlighting, Display Hold Function & Min-Max	Yes
Auto Power-Off	Yes (in Portable Mode Only)
Operating Range	-10°C to 60°C (14°F to 140°F), 5% to 95% RH
Circuit	Custom one-chip of Microprocessor LSI circuit

Power Supply	AA Alkaline Batteries and Rechargeable Battery Connection to 230V 60Hz Line/ USB to Wall Adapter
Communications Interface	Bluetooth Class 2 Wireless Communication/ USB link (the product is then recognized as a USB key for easy file transfer)
Standards Compliance	IP40 , IEC 61010-1, 50V CAT II - IEC 61326-1
Mounting	Embedded Magnets on Backside & Tear Drop Wall Hook
Warranty	03 years on-site warranty (lower warranty period will not be considered for evaluation)

Quantity: 01

Instructions to Bidders

1. Following to be supplied along with quotation:

1. Valid Licence (Trade, etc.) along with Company / Proprietor Pan Card, as applicable.
2. Valid GST Registration.
3. Documentary proof of Income Tax Return of at least one (1) year from last three (3) financial years.
4. Duly signed and self-attested declaration that, the bidder hasn't been blacklisted by any organisation for performing below standard.
5. Details of any litigation, current or during the last 3 years in which the bidder is involved, the parties concerned and disputed amount in each case.

2. Bid Price

- a. The contract shall be for the whole works as described in the Requirements and technical specifications as above.
- b. Corrections, if any, shall be made by crossing out, initialing, dating and rewriting.
- c. The bidders are required to quote their rates, both in digits and in words.
- d. All duties, taxes and other levies, payment to persons at delivery counters payable by the bidder under the contract shall be included in the total price.
- e. The rates quoted by the bidder shall be fixed for the duration of the contract and shall not be subject to adjustment on any account.
- f. The rates should be quoted in Indian Rupees only.

3. Submission of Quotations

- a. Each bidder shall submit only one quotation.
- b. The quotation submitted by the bidder shall comprise the following:-
 - i) Quotation in the format given in Annexure 1, duly signed by the bidder;
 - ii) Priced Bill of Quantities (BID OFFER) in the format given in Annexure 2, duly signed by the bidder;
 - iii) Qualification information as prescribed in Section 1 above duly completed; and
 - iv) Bid security @ 2% of the quoted amount in the form of DD/Pay order/Banker's cheque in favour of "Registrar, IEST, Shibpur" payable at Howrah, without which quotation will not be considered as a valid bid.

4. Bid Security:

- a) The Bid Security shall have to be valid for a period of not less than 80 days after the deadline date specified for submission.
 - b) The Bid Security of the unsuccessful bidders will be returned within 28 days of the end of bid validity period specified in Clause no 8.
5. The bidder shall seal the quotation in an envelope addressed to "The Head, Department of Architecture, Town and Regional Planning, Indian Institute of Engineering Science and Technology, Shibpur, Howrah-711103" and mention the Tender Advertisement Number.

The envelope will also bear the following identification: -

Quotation for:

"Do not open before 1645 hours February 26, 2018."

6. Quotations must be received in the office of the Head, Department of Architecture, Town and Regional Planning, Indian Institute of Engineering Science & Technology, Shibpur, Howrah-711103, latest by the specified time and date.
7. Any quotation received by the office of the Head, Department of Architecture, Town and Regional Planning, Indian Institute of Engineering Science & Technology, Shibpur, Howrah-711103 after the deadline for submission of quotations will be rejected and returned unopened to the bidder.
8. **Validity of Quotation**
Quotation shall remain valid for a period of not less than 45 days after the deadline date specified for submission.
9. **Opening of Quotations**
Quotations will be opened in the presence of Bidders or their representatives who choose to attend at the specified time and date in the office of "The Head, Department of Architecture, Town and Regional Planning, Indian Institute of Engineering Science & Technology, Shibpur, Howrah-711103."
10. Information relating to evaluation of quotations and recommendations for the award of contract shall not be disclosed to bidders or any other persons not officially concerned with the process until the award of contract to the successful bidder is placed.
11. **Evaluation of Quotations**
The Department of Architecture, Town and Regional Planning authority will evaluate and compare the quotations determined to be substantially responsive i.e. which
 - (a) meet the qualification criteria specified in clause 1 above;
 - (b) contain the bid security as specified in clause 3 and 4 above;
 - (c) are properly signed ; and
 - (d) conform to the terms and conditions and specifications without material deviations.
12. **Award of contract**
The Department of Architecture, Town and Regional Planning authority will award the contract to the bidder whose quotation has been determined to be substantially responsive and who has offered the lowest evaluated quotation price and who meets the specified qualification criteria and provided the bid security.
13. Notwithstanding the above, the The Department of Architecture, Town and Regional Planning authority reserves the right to accept or reject any quotations and to cancel the bidding process and reject all quotations at any time prior to the award of contract.
14. The bidder whose bid is accepted will be notified of the award of contract by the The Department of Architecture, Town and Regional Planning authority prior to expiration of the quotation validity period.

Head
Department of Architecture, Town and Regional Planning

QUOTATION

To,
The Head,
Department of Architecture, Town and Regional Planning
Indian Institute of Engineering Science and Technology, Shibpur,
Howrah-711103.

Subject: **Submission of quotation for "Supply, Installation and Demonstration of Indoor Air Quality Meter with Datalogger."**

Reference: Tender **Advt. No. WEB/ARCH/IIESTS/PLAN GRANT/TENDER/2017-18/56R** dated **February 14, 2018.**

Dear Sir/Madam,

I/We offer to execute the works described in tender no. referred to above in accordance with the Conditions of Contract enclosed therewith for a total Contract Price of Rs. _____ [in figures]** Rs.

_____ [in words]**

This quotation shall constitute a binding contract between us. We understand that you are not bound to accept the lowest or any quotation you receive.

We hereby confirm that this quotation is valid for 45 days as required in Clause 8 of the Instructions to Bidders.

We hereby certify that we have taken steps to ensure that no person acting for us or on our behalf will engage in bribery.

Yours faithfully,

Authorized Signature:

Date: _____

Name & Title of Signatory:

Contact Address and Phone No. of Bidder:

** To be filled in by the Bidder, together with his particulars and date of submission at the bottom of this form.

Note: the Bidder shall attach duly priced and duly signed Bid offer as shown in Annexure-2 of this Tender Document.

BID OFFER

Sl. No.	Description of Items of Work	Unit Rate	GST	Total price per unit including GST	Qty	Gross Amount (Rs.)
1	Indoor Air Quality Meter with Datalogger				01	
	Parameters	Specifications				
	Type	CO ₂ Meter with Data Logging capability and Computer interface				
	CO ₂	Measuring Principle: Non-dispersive Infrared (NDIR) Technology Sensor Type: Double-beam Infrared Cell Sensor Range: 0 to 5,000 ppm Accuracy: ± 50 ppm ±3% of Value Measured Response Time to 63%: <200 Seconds Resolution: 1 ppm				
	Humidity	Type of Sensor: Capacitive Range: 5 to 95% RH Accuracy: ±2% RH Resolution: 0.1% RH				
	Temperature	Type of Sensor: CMOS Units: °F or °C Range: -10°C to 60°C (14°F to 140°F) Resolution: 0.1°C/°F Accuracy: ±0.5°C (±0.9°F)				
	Sampling Rate	1 Minute to 2 Hours (User Selectable)				
	Data Storage Capacity	Up to 1 Million Measurements				
	Alarm	Yes				
	Display	Dual function LCD				
	Backlighting, Display Hold Function & Min-Max	Yes				
	Auto Power-Off	Yes (in Portable Mode Only)				
	Operating Range	-10°C to 60°C (14°F to 140°F), 5% to 95% RH				
	Circuit	Custom one-chip of Microprocessor LSI circuit				
	Power Supply	AA Alkaline Batteries and Rechargeable Battery Connection to 230V 60Hz Line/ USB to Wall Adapter				
	Communications Interface	Bluetooth Class 2 Wireless Communication/ USB link (the product is then recognized as a USB key for easy file transfer)				
	Standards Compliance	IP40 , IEC 61010-1, 50V CAT II - IEC 61326-1				
	Mounting	Embedded Magnets on Backside & Tear Drop Wall Hook				
	Total amount for the supply, installation and demonstration of the equipment inclusive of 03 years on-site warranty.					

Authorized Signature:

Date: _____

Name & Title of Signatory:

Contact Address and Phone No. of Bidder:
