



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

Date: 28/12/2016

Advt. No. DE/D(AA)/16/76

The Department of Architecture, Town and Regional Planning, Indian Institute of Engineering Science and Technology, Shibpur invites sealed quotations from reputed vendors for Supply of Thermal Imaging Camera for Building Diagnostics along with requisite hands on demonstration. 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 January 11, 2017. Quotations are to be submitted at the Office of the HOD, Arch latest by 11:45 AM on 11.01.2017.

Head

Department of Architecture, Town and Regional Planning

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 of Thermal Imaging Camera for Building Diagnostics along with requisite hands on demonstration**. 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 January 11, 2017. Quotations are to be submitted at the Office of the HOD, Arch., T & R. P. latest by 11:45 AM on 11.01.2017.

LAST DATE AND TIME FOR RECEIVING THE BIDS: 11.01.2017 at 11:45 AM 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: 11.01.2017 at 12:15 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:

Thermal Imaging Camera for Building diagnostics, of make Fluke, Flir, Testo or equivalent, with the following specifications:

Imaging and Optical Data - IR Resolution: 160 x120 pixel or higher; Thermal Sensitivity: <0.1°C at +30°C; Field of View: from 24° × 18° to 36° × 27°; Minimum Focus Distance: Fixed or Manual, 40 – 50 cm for fixed and 20 cm for manual; Image Frequency: 30 Hz or higher; Spectral Range: 7.5 - 14 µm;

Display Type - Preferably Capacitive touch screen LCD with Automatic orientation of Landscape/ portrait, 3.5-inch of 320 x 240 pixels; Built in Digital Camera: 640 x480 pixels;

Measurement - Accuracy: ±2°C or ±2% of reading; Temperature Range: -20° to +150°C or better suitable;

Measurement Analysis function - Centre point measurement; Auto hot and cold spot recognition; correction on screen for Object distance, Isotherm and emissivity;

Set-Up - Colour Palettes: Multi-colour, minimum four (4) schemes; Storage Media: Internal 4 GB with provision of optional storage media; File format: Conventional image file format with included software support for conversion into data sheet format;

Additional Information - System Requirement: PC interface software having compatibility with the latest MS-Windows operating system; USB 2.0 interface for data transfer; Rechargeable battery (preferably removable) with charging port on the device for 90-260 V AC input, 50/60 Hz adaptor; Battery operating time: 4 hours of continuous usage; Power management features: User configurable such as sleep timer; Storage Temp. Range: -20 °C to +60 °C; Operating temperature:-10 °C to +50 °C; Operating Humidity: 10 to 90% R.H., non-condensing;

Warranty - 3 yrs comprehensive on-site, including replacement if needed.

Supply, Installation, Demonstration/ Training as necessary, are to be treated as Comprehensive terms of purchase for this item.

NOTE: In case of import of equipment, IEST-Shibpur holds a valid Certificate of Registration issued by the Govt. of India for purposes of availing exemption of Customs Duty and Central Excise Duty. http://www.iests.ac.in/images/all_pdf/CUSTOMCENTRALEXCISEDUTYEXEMPTIONCERTIFICATE.PDF

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 Service Tax Registration, VAT Registration as applicable.
 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 individual items or 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 2;
 - ii) Priced Bill of Quantities duly signed by the bidder;
 - iii) Qualification information as prescribed in Section 1 above duly completed; and
 - iv) Bid security of 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.
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 12:15 hours dated January 11, 2017."
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 to the successful bidder is announced.
- 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, without assigning any reason thereof.
- 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 “Thermal Imaging Camera for building diagnostics”**

Reference: **Advt. No. DE/D(AA)/16/76** dated **December 28, 2016.**

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	Quantity	Gross Amount (Rs.)
1	<p>Thermal Imaging Camera for Building diagnostics, of make Fluke, Flir, Testo or equivalent, with the following specifications:</p> <p>Imaging and Optical Data - IR Resolution: 160 x120 pixel or higher; Thermal Sensitivity: <0.1°C at +30°C; Field of View: from 24° × 18° to 36° × 27°; Minimum Focus Distance: Fixed or Manual, 40 – 50 cm for fixed and 20 cm for manual; Image Frequency: 30 Hz or higher; Spectral Range: 7.5 - 14 µm; Display Type - Preferably Capacitive touch screen LCD with Automatic orientation of Landscape/ portrait, 3.5-inch of 320 x 240 pixels; Built in Digital Camera: 640 x480 pixels; Measurement - Accuracy: ±2°C or ±2% of reading; Temperature Range: -20° to +150°C or better suitable; Measurement Analysis function - Centre point measurement; Auto hot and cold spot recognition; correction on screen for Object distance, Isotherm and emissivity; Set-Up - Colour Palettes: Multi-colour, minimum four (4) schemes; Storage Media: Internal 4 GB with provision of optional storage media; File format: Conventional image file format with included software support for conversion into data sheet format; Additional Information - System Requirement: PC interface software having compatibility with the latest MS-Windows operating system; USB 2.0 interface for data transfer; Rechargeable battery (preferably removable) with charging port on the device for 90-260 V AC input, 50/60 Hz adaptor; Battery operating time: 4 hours of continuous usage; Power management features: User configurable such as sleep timer; Storage Temp. Range: -20 °C to +60 °C; Operating temperature: -10 °C to +50 °C; Operating Humidity: 10 to 90% R.H., non-condensing; Warranty - 3 yrs comprehensive on-site, including replacement if needed. Supply, Installation, Demonstration/ Training as necessary, are to be treated as Comprehensive terms of purchase for this item. NOTE: In case of import of equipment, IEST-Shibpur holds a valid Certificate of Registration issued by the Govt. of India for purposes of availing exemption of Customs Duty and Central Excise Duty. http://www.iiests.ac.in/images/all_pdf/CUSTOMCENTRALEXCISEXEMPTIONCERTIFICATE.PDF</p>	01	

Authorized Signature:

Date: _____

Name & Title of Signatory:

Contact Address and Phone No. of Bidder:
