

**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 training for **Moisture Meter with Infrared Guided Measurement (IGM) technology (Appendix 1), Laser based Space Measurement Instrument (Appendix 2), and Hand held GPS (Appendix 3)**. For details visit the institute website (www.iiests.ac.in). Quotations are to be submitted at the Office of the HOD, Arch latest by 4:45 PM on 19.01.2017. Tender will be opened at 5:05 PM. on same date at same venue.

The vendors who had submitted quotations in response to the ADVT. NO. JA/D(AA)/17/01, Dated 02/01/2017 may also submit fresh quotations.

LAST DATE AND TIME FOR RECEIVING THE BIDS: 19.01.2017 at 4:45 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: 19.01.2017 at 5:05 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:

1. **Moisture Meter with Infrared Guided Measurement (IGM) technology** for Wood, Concrete and other Building materials, of make FLIR, Testo or equivalent, with the following specifications. **Quantity 01.**

| | |
|-------------------------------|---|
| Thermal Imaging | Image Calibration: Automatic; Resolution: 4800 pixels; Spectral Response: 8 - 14 μm Field of View: $51^\circ \times 38^\circ$; Minimum Focus Distance: 10cm; Image Frame Rate: 9 Hz; Image Display: Color Moisture Alert; Thermal Sensitivity: $<0.15^\circ\text{C}$ |
| Moisture Measurement | Pinless and with Pin (Moisture Probe to be included); Accuracy: $\pm 5\%$ at 23°C ; Resolution: 0.1; Range: 0 to 100% relative moisture value for Concrete and other non-wood material; Response time: 100/ 750 ms (Pinless/ Pin mode) |
| General Information | Display: 2.3-inch Color TFT of 320 x 240 pixels; Saved file format: Conventional image file format with measurement values overlaid; Software to be included for conversion of image file into data sheet format; Storage image capacity: Internal storage for 9000 or higher; Provision for additional storage media; Continuous run time on battery charge: Minimum 8 hours; Drop Test: 3.0 m. |
| 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; Power management features: User configurable such as sleep timer; Auto-shutdown etc.; Certifications as per standard compliance requirement. |
| Warranty | 3 yrs comprehensive on-site (for both meter and probe(s)), including replacement if needed. |
| | Supply, Installation, Demonstration/ Training as necessary, are to be treated as inclusive 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 |

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 “Moisture Meter with Infrared Guided Measurement (IGM) technology.”**

Reference: **Tender ADVT. NO. JA/D(AA)/17/02 dated January 11, 2017, SECOND CALL FOR ADVT. NO. JA/D(AA)/17/01, Date: 02/01/2017.**

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>Moisture Meter with Infrared Guided Measurement (IGM) technology for Wood, Concrete and other Building materials, of make FLIR, Testo or equivalent, with the following specifications:</p> <p>Thermal Imaging - Image Calibration: Automatic; Resolution: 4800 pixels; Spectral Response: 8 - 14 μm Field of View: 51° × 38°; Minimum Focus Distance: 10cm; Image Frame Rate: 9 Hz; Image Display: Color Moisture Alert; Thermal Sensitivity: <0.15°C</p> <p>Moisture Measurement - Pinless and with Pin (Moisture Probe to be included); Accuracy: $\pm 5\%$ at 23°C; Resolution: 0.1; Range: 0 to 100% relative moisture value for Concrete and other non-wood material; Response time: 100/ 750 ms (Pinless/ Pin mode)</p> <p>General Information - Display: 2.3-inch Color TFT of 320 x 240 pixels; Saved file format: Conventional image file format with measurement values overlaid; Software to be included for conversion of image file into data sheet format; Storage image capacity: Internal storage for 9000 or higher; Provision for additional storage media; Continuous run time on battery charge: Minimum 8 hours; Drop Test: 3.0 m.</p> <p>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; Power management features: User configurable such as sleep timer; Auto-shutdown etc.; Certifications as per standard compliance requirement.</p> | 01 | |
| 2 | Taxes | | |
| 3 | Warranty - 3 yrs comprehensive on-site (for both meter and probe(s)), including replacement if needed. | 01 | |
| 4 | <p>Supply, Installation, Demonstration/ Training as necessary, are to be treated as inclusive terms of purchase for this item.</p> <p>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.</p> <p>http://www.iests.ac.in/images/all_pdf/CUSTOMCENTRALEXCISEDUTYEXEMPTIONCERTIFICATE.PDF</p> | 01 | |

Authorized Signature:

Date: _____

Name & Title of Signatory:

 Contact Address and Phone No. of Bidder:

REQUIREMENTS AND TECHNICAL SPECIFICATIONS

Laser based Space Measurement Instrument for Distance, Area, Volume in building environment , of make Leica, Bosch, Fluke or equivalent, with the following specifications. **Quantity: 04**

| | |
|----------------------------|---|
| Measurement | Accuracy: ± 1 mm; Range: up to 100 - 150m; Unit: m, cm, mm, foot, inch and area, volume in corresponding unit; Response Time: 0.5 to 4 sec; Min/ Max and Continuous mode; Area and Volume measurement; Multifunctional End piece with automatic recognition; Correction: Pythagoras and automated end piece correction; Height tracking. |
| General Information | Backlit multi line display; Memory: Min. 20 complete displays; Protection class: splash and water jet protection for the complete tool including battery compartment; Rechargeable battery (preferably removable) with charging port on the device for 90-260 V AC input, 50/60 Hz adaptor; Power management features: User configurable such as sleep timer; Auto-shutdown etc.; Certifications as per standard compliance requirement. |
| Warranty | 3 yrs comprehensive on-site including replacement if needed. |
| | Supply, Installation, Demonstration/ Training as necessary, are to be treated as inclusive 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 |

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 “Laser based Space Measurement Instrument** for Distance, Area, Volume in building environment , of make Leica, Bosch, Fluke or equivalent, with the following specifications.”

Reference: Tender ADVT. NO. JA/D(AA)/17/02 dated January 11, 2017, SECOND CALL FOR ADVT. NO. JA/D(AA)/17/01, Date: 02/01/2017.

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-4 of this Tender Document.

BID OFFER

| Sl. No. | Description of Items of Work | Quantity | Gross Amount (Rs.) |
|---------|---|----------|--------------------|
| 1 | <p>Laser based Space Measurement Instrument for Distance, Area, Volume in building environment , of make Leica, Bosch, Fluke or equivalent, with the following specifications:</p> <p>Measurement - Accuracy: ± 1 mm; Range: upto 100 - 150m; Unit: m, cm, mm, foot, inch and area, volume in corresponding unit; Response Time: 0.5 to 4 sec; Min/ Max and Continuous mode; Area and Volume measurement; Multifunctional End piece with automatic recognition; Correction: Pythagoras and automated end piece correction; Height tracking.</p> <p>General Information - Backlit multi line display; Memory: Min. 20 complete displays; Protection class: splash and water jet protection for the complete tool including battery compartment; Rechargeable battery (preferably removable) with charging port on the device for 90-260 V AC input, 50/60 Hz adaptor; Power management features: User configurable such as sleep timer; Auto-shutdown etc.; Certifications as per standard compliance requirement.</p> | 04 | |
| 2 | Taxes | | |
| 3 | Warranty - 3 yrs comprehensive on-site (for both meter and probe(s)), including replacement if needed. | 01 | |
| 4 | Supply, Installation, Demonstration/ Training as necessary, are to be treated as onclusive terms of purchase for this item. | 01 | |
| | <p>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.</p> <p>http://www.iiests.ac.in/images/all_pdf/CUSTOMCENTRALEXCISEDUTYEEXEMPTIONCERTIFICATE.PDF</p> | | |

Authorized Signature:

Date: _____

Name & Title of Signatory:

Contact Address and Phone No. of Bidder:

REQUIREMENTS AND TECHNICAL SPECIFICATIONS

Hand held GPS of make Garmin, Magellan or equivalent, with the following specifications. Quantity: 04.

| | |
|--|---|
| Physical & Performance Parameters | Display Size: 2.2 - 3.0 inch diagonal; Display Resolution: 240x320 pixels; Display type: Color, Trans-reflective; Battery: Removable Rechargeable battery NiMH or Li-Polymer included; Battery life: 15 hours minimum on single full charging; Water rating: IPX7; High sensitivity Receiver with USB port and PC compatible. |
| Maps and Memory | Base map; Ability to add maps; Built-in Memory: 2 GB minimum; Provision for expandable storage through SD card; Ability to add custom Point of Interests; Waypoints/ favorites/ locations: 2000 minimum; Routes: 200 minimum; Track log: 10000 points with 200 saved tracks. |
| Outdoor features | Automatic Routing with optional mapping for detailed roads; Geocaching friendly (paperless); Custom Maps compatibility; Area calculation capability; Picture viewer; Sun & Moon information; Coordinate systems & Datum; User grid. |
| Warranty | 3 yrs comprehensive on-site including replacement if needed. |
| | Supply, Installation, Demonstration/ Training as necessary, are to be treated as inclusive 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 |

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 “Hand held GPS of make Garmin, Magellan or equivalent”** with the following specifications:

Reference: Tender ADVT. NO. JA/D(AA)/17/02 dated January 11, 2017, SECOND CALL FOR ADVT. NO. JA/D(AA)/17/01, Date: 02/01/2017.

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-6 of this Tender Document.

BID OFFER

| Sl. No. | Description of Items of Work | Quantity | Gross Amount (Rs.) |
|---------|--|----------|--------------------|
| 1 | <p>Hand held GPS of make Garmin, Magellan or equivalent, with the following specifications:</p> <p>Physical & Performance Parameters - Display Size: 2.2 - 3.0 inch diagonal; Display Resolution: 240x320 pixels; Display type: Color, Trans-reflective; Battery: Removable Rechargeable battery NiMH or Li-Polymer included; Battery life: 15 hours minimum on single full charging; Water rating: IPX7; High sensitivity Receiver with USB port and PC compatible.</p> <p>Maps and Memory - Base map; Ability to add maps; Built-in Memory: 2 GB minimum; Provision for expandable storage through SD card; Ability to add custom Point of Interests; Waypoints/ favorites/ locations: 2000 minimum; Routes: 200 minimum; Track log: 10000 points with 200 saved tracks.</p> <p>Outdoor features - Automatic Routing with optional mapping for detailed roads; Geocaching friendly (paperless); Custom Maps compatibility; Area calculation capability; Picture viewer; Sun & Moon information; Coordinate systems & Datum; User grid.</p> | 04 | |
| 2 | Taxes | | |
| 3 | Warranty - 3 yrs comprehensive on-site (for both meter and probe(s)), including replacement if needed. | | |
| 4 | Supply, Installation, Demonstration/ Training as necessary, are to be treated as onclusive terms of purchase for this item. | | |
| | <p>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.</p> <p>http://www.iests.ac.in/images/all_pdf/CUSTOMCENTRALEXCISEDUTYEXEMPTIONCERTIFICATE.PDF</p> | | |

Authorized Signature:

Date: _____

Name & Title of Signatory:

Contact Address and Phone No. of Bidder:

Instructions to Bidders

1. Following to be supplied along with quotation:

1. Valid License (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 for any one or all the items specified above.
- b. The quotation submitted by the bidder shall comprise the following:-
 - i) Quotation in the format given in Annexure 2, 4 and 6 respectively;
 - 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 1705 hours dated January 19, 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 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 Department of Architecture, Town and Regional Planning authority prior to expiration of the quotation validity period.

Head
Department of Architecture, Town and Regional Planning