



**OCEAN ENGINEERING AND NAVAL ARCHITECTURE
INDIAN INSTITUTE OF TECHNOLOGY
KHARAGPUR - 721 302**

ENQUIRY NO: IIT/OENA/PLAN/HOD/EQ-07/2018-19

DATE: 24/01/2019

INVITATION FOR TENDER FOR SUPPLY OF STORE

Sealed tender offers are invited in two separate sealed covers (Technical and Commercial offers) from eligible manufacturers/suppliers or their direct Indian agents for the supply & installation of the following equipment:

Ultrasonic Thickness Gauge

Please send offers, along with descriptive Catalogue/ Brochure . The validity of the bid should be at least four months (120 days) or more from the date of the opening of this tender. Please ensure that your quotation reaches not later than 18/02/2019 at 15:30 Hrs at the following address:

Head of the Department
Dept. of Ocean Engg and Naval Architecture
IIT Kharagpur- 721 302 , West Bengal , India.

Earnest money of Rs. 8000/- is to be deposited in the form of Account payee Demand Draft in favour of IIT Kharagpur, payable at Kharagpur, India. Any bid which is not accompanied with an EMD shall be summarily rejected. Earnest money deposited will be forfeited if the tendered withdraws or amends its tender or impairs or derogates from the tender in any respect within the period of validity of its tender. No interest will be paid on the earnest money of the unsuccessful bidders.

SCHEDULE:-

Tender Reference	IIT/OENA/PLAN/HOD/EQ-07/2018-19 DATE: 24/01/2019
Price of Tender Document	Nil
Last date and time for receipt of Technical/commercial Bids in Separate sealed envelopes	18.02.2019 (15:30 hrs.)
Time and Date of Opening of Technical Bids & Price Bids	18.02.2019 (16:00 hrs.)
Place of Opening tender offers	HOD Office OE&NA, IIT Kharagpur - 721 302
Address of Communication	As stated above
Contact Telephone Numbers	Phone: +91-3222-282283
Tender Fee	Rs. 500/- (Rupees five hundred only) Non -refundable
Earnest Money Deposit (EMD)	Rs. 8000/- (Eight thousand only) Refundable
EMD and Tender fee in favour of	"Indian Institute of Technology, Kharagpur"

Technical Specification as per Annexure - I ,Eligibility Criteria as per Annexure - II, Technical bid Document as per Annexure - III ,Signed & Stamped Declaration - Annexure - IV, General Terms & Conditions as per Annexure - V and Format of Price Bid as per Annexure - VI under a Two-Bid System.

SD/-
Head of the Department
Ocean Engg and Naval Architecture
IIT Kharagpur- 721302,(W.B),India.

Copy to:

- 1.Institute website
- 2.CPP Portal
- 3.Notice Board

SPECIFICATIONS

Sl. No.	Item	Specifications	Make & Model or their substantially equivalent	Qty. required
1.	Ultrasonic Thickness Gauge	Provided below	As per Specification	01

Detailed Specifications:-

Specifications for ULTRASONIC THICKNESS GAUGE

1. Accuracy : ± 0.1 mm or 0.1% of thickness measurement, whichever is less
2. Sound velocities between 1000 m/s - 9000 m/s
3. Thickness Range 0.80 mm to 250 mm in Steel
4. Probes: (i) 2 to 4 MHz probe 13 mm dia. for Through Coat Measurement (ii) 2 to 4 MHz probe 13 mm dia. for Composite, Casting and Plastic and Corroded Materials (iii) 5 to 8 MHz probe 5 mm dia. for small pipe, angle joint.
5. Can be able to measure the base metal easily through 3LPE coatings, epoxy, polyurethane, paint etc – all without removing the coatings.
6. Instrument should not be required to be calibrated for each and every coating.
7. Resolution: Multiple-Echo mode - 0.1 mm or 0.05 mm; Single-Echo and Echo-Echo modes - 0.01 mm
8. Single crystal multiple echo probes should be able to accurately and easily measure base metal through coatings up to 20 mm thick (without removing the coating)

9. Min/max measurement limit functions with visual and vibrate alert when the limits are crossed
10. MSI™ (Measurement Stability Indicator) must be used in Single-Echo and Echo-Echo measurement modes to determine a stable reading
11. Single Crystal probes should have a protective membrane fitted in front of the probe face to protect it from damage during use on rough surfaces
12. Twin Crystal probes should have a stainless steel body
13. Power : 3 x AA Batteries
14. Display : 2.4" quarter VGA (Color) LCD with backlight
15. A-scan display
16. Size : 132 mm x 82 mm x 34 mm
17. Wrist mountable with wrist strap
18. Operating Temperature : -10°C to 50°C
19. Data Logging: Capacity for up to 5000 points including A-scans
20. Records are saved to a removable SD card. Records can be easily transferred via gauge USB port to PC software where they can be exported to a CSV file or a PDF report.
21. Environmental Rating :
 - a. IP67
 - b. Explosive Atmosphere: Safe operation as defined by Class I, Division 2, Group D, as found in the National Fire Protection Association Code (NFPA 70), Article 500, and tested using MIL STD 810G Method 511.5, Procedure I
 - c. MIL STD 810G Method 501.6 (high temp +55°C)
 - d. MIL STD 810G Method 502.6 (low temp -20°C)
 - e. MIL STD 810G Method 507.6 (humidity 95%)
 - f. MIL STD 810G Method 512.6 (immersion - 1 meter for 30 mins)
22. Shock and Impact :
 - a. MIL STD 810G Method 514.7 (vibration - 1 hour each axis)
 - b. MIL STD 810G Method 516.7 (shock 20g - 11ms half sine shock pulse, 40g 11ms in each axis)
 - c. MIL STD 810G Method 516.7 (26 drops - transit drop 1.22 m)
23. Buttons integral with the TPE moulding and designed for minimum 100,000 depressions
24. Repair and calibration center should be available in India
25. Complete Operational and Technical manual in English.

MINIMUM ELIGIBILITY CRITERIA:

- (a) Proof of Registration of the bidder under relevant law, such as Companies Act, and / or Shops & Establishment Act or Trade License from appropriate authority etc.
- (b) All bidders should submit the copy of PAN Card, GST Registration Certificate.
- (c) The bidder must submit copies of acknowledgement of Income Tax return for the last three years.
- (d) Must have necessary dealership/distributors certificate in case of Authorised Dealer/ Distributor.
- (e) Filled in declaration as per the Annexure -IV.

Bidders must submit the documentary proof in support of meeting the minimum eligibility criteria. Simply an undertaking by the Bidder for any item of the criteria shall not suffice the purpose. All the documentary proof must be listed on the letter head, to be submitted with the Tender Document signed and stamped.

TECHNICAL BID DOCUMENT

FORMAT TO BE FILLED BY THE O E M O R A U T H O R I Z E D V E N D O R S F O R SUBMITTING
TENDER FOR SUPPLY OF DIGITAL INCLINOMETER AT OCEAN ENGINEERING & NAVAL ARCHITECTURE,
IIT KHARAGPUR AS PER ANNEXUE-I

1. Name of the Tenderer (Copy of Registration Certificate/
Trade License) :
2. Status of the Tenderer (attach documents, if
registered company/partnership/propriety ship) :
3. Details of key top official/authorized official with tele-
links for contact persons (attach details) :
4. Copies of PAN Card, GST Registration certificate,
IT Return for last three financial years :
5. Copy of product literature, technical leaflet for which
prices have been quoted :
6. Signed copy of the tender document, with company seal :
7. Compliance statement for each component along with
Make & Model :

Certified that all above information are correct to the best of my/our information,
knowledge and belief.

Dated signature & seal of the Vendor

NOTE : This must be submitted in the **"TECHNICAL BID"**.

DECLARATION

1. I, -----Son /Daughter of Shri -----
Proprietor/Partner/CEO/MD/Director/Authorized Signatory of M/s.-----
am competent to sign this declaration and execute this tender document.

2. Tender ref no: _____ Dt:_____ . I have carefully
read and understood all the terms and conditions of the tender and hereby convey my
acceptance of the same.

3. The information/ documents furnished along with the above application are true and
authentic to the best of my knowledge and belief.

4. I/we am/are well aware of the fact that furnishing of any false information/ fabricated
document would lead to rejection of my tender at any stage besides liabilities towards
prosecution under appropriate law.

5. Each page of the tender document and papers submitted by my Company is
authenticated, sealed and signed, and I take full responsibility for the entire documents
submitted.

6. I/we hereby confirm and declare that I/we am/are not blacklisted /De-registered /
debarred by any Government department/ Public Sector Undertaking/ Private Sector/ or
any other agency for which we have Executed/ Undertaken the works/ Services.

Signature of the Authorized
Person

Date: -----

Full Name: -----

Place: -----

Company Seal: -----

GENERAL TERMS AND CONDITIONS

(1) Important Dates:

- Last Date of Submission of Sealed Bids: 18th February, 2019 at 3:30 p.m.
- Date of opening of the Technical Bids: 18th February, 2019 at 4:00 p.m.

(In the Office of Prof. P K Bhaskaran, Head of the Department, Ocean Engineering & Naval Architecture, IIT Kharagpur)

2.(i) Rate : The rate quoted must be inclusive of installation and all admissible taxes. All the charges like Installation charges etc., as applicable must be shown separately. The stores are required to be dispatched on F.O.R. IIT Kharagpur. The risk of damage or loss in transit if any will be that of the suppliers. Manufacturer's price list, Technical leaflet, samples, catalogue whenever applicable, should invariably be submitted.

(ii) GST: Must be shown separately

(iii) Indian Institute of Technology Kharagpur is a public Funded Academic & Research institute under the minister of Human Resource Development and is eligible for GST @5% vide Notification No.47/2017 dated:14.11.2017 and 10/2018- Integrated Tax (Rate) dated:25.01.2018 by the Ministry of Finance, Department of Revenue. Necessary certificate in this regard will be issued as per requirement and on request of the successful bidder.

(iv) Discount, if any, should be indicated separately/prominently.

3. **Delivery and Installation:** The stores are required to be delivered and installed within 30 days from the date of the purchase order. **No mobilization advance is payable against the Purchase Order. Custom Duty Exemption (51/96) Certificate will be provided by the Institute on request by the vendor.**

4. **Payment Terms:**

100% Payment shall be made after successful installation and commissioning duly certified by the concerned Head of the Department.

No advance/mobilization support, is payable against supply of stores/works.

In the event of failure to deliver the stores beyond the specified date, liquidated damages @ 1% per month or part thereof in respect of the value of stores will be deducted, subject to a maximum of 5%; alternately the order will be cancelled and the undelivered stores purchased from elsewhere at the risk and expense of the vendor.

5. **Quality & Specification of Stores :** The stores offered should be of best quality available, unless otherwise specified, conforming strictly to the National/International specification. The Institute reserves the right to reject such stores if found unacceptable on these grounds. The guarantee and warranty offered be specifically mentioned.

6. **Period of Validity** : A quotation shall remain valid for acceptance at least for a period of 120 days from the date of opening of the Price Bid.
7. **Guarantee/Warranty** : 3 years on gauge and 1 year on probes and cables, from the date of successful installation and/or commissioning of the items.
8. The addendum/corrigendum if any shall be published on Institute's Website i.e. www.iitkgp.ac.in and on CPP Portal.
9. **Rejection of Offers** : The Institute reserves the right to ignore or reject any offer including the lowest without assigning any reason. The Institute does not bind itself to accept the lowest offer.
10. **Dispute** : In case of any dispute, the decision of the Director of this Institute shall be final and binding on the bidders.
11. **All tenders are to be submitted or handed over to the office of H O D, Ocean Engg. & Naval Architecture, IIT Kharagpur**. The bids (technical and price bids) once submitted shall be the property of the Institute and shall not be returned to the vendor in future.
12. **The person/officer signing the tender/bid documents should be delegated with an appropriate authority.**
13. **Opening of Price Bids** : The Price Bid(s) of only those vendor(s) who are found technically qualified will be opened and the same will be opened before the technically qualified vendor(s). **The date for opening of price bids will be notified separately. Price Comparison will be done as per total amount of each table basis. The bidder may supply and install the items mentioned in all the groups (A to E as per ANNEXURE - VI) or any one or more than one tables as per bidder's capacity.**
14. Tenderer or his/her authorized representative (with proper authorization letter for opening of technical bids and also for opening of price bids) may choose to be present at the time of opening of Technical Bids/Price Bids.
15. **Installation and Commissioning**: Free of cost at Department of Ocean Engineering & Naval Architecture, IIT Kharagpur.
16. The benefit of any downward price revision (revision on account of budget/financial policy, tax revision, EPZ etc.) is to be given to IIT Kharagpur by the selected OEM/vendor.
17. The Institute does not bind itself to offer any explanation to those bidders whose technical bids have not been found acceptable by the Technical Evaluation Committee of the Institute.

18. JURISDICTION:

All questions, disputes, or differences arising under, out of or in connection with the contract, if concluded, shall be subject to the exclusive jurisdiction at the place from which the acceptance of Tender is issued i.e. Jurisdiction of KOLKATA HIGH COURT. Acceptance to this effect is also necessary at the time of opening of Technical Bid.

19. IMPORTANT

1. A bid submitted with false information will not only be rejected but also the OEM/vendor will be debarred from participation in future tendering process.
2. The OEMs/Vendors need to submit a certificate during opening of technical bids that they are not currently debarred or blacklisted in IIT Kharagpur for any supplies, products or services, or at present in any national organization or educational institute/university.
3. In case of any dispute, the decision of the Director of this Institute shall be final and binding on the bidders.
4. The Institute at its discretion may change the quantity/upgrade the criteria/drop any item or part thereof at any time before placing the Purchase Order.
5. For any query pertaining to this bid document, correspondence be addressed to

Prof. P K Bhaskaran
Head of the department
Ocean Engg. & Naval Architecture
Indian Institute of Technology , Kharagpur-721 302
Ph : 03222-282283,

In case the due date for opening and submission of tender happens to be a holiday, the same will be opened on the next working day. The timings will however remain unchanged. Please Note that the Institute remains closed during Saturdays & Sundays.

NOTE : If the material or finished work are not found acceptable, the Bidder shall arrange for the replacement of materials required for re-executing the work as per Purchase Order.

No.: IIT/OENA/PLAN/HOD/EQ-07/2018-19

Date: 24th January, 2019

FORMAT FOR PRICE BID

Sl. No.	Item	Make & Model	Qty. Req.	Per Unit Rate (Rs.)	Taxes (Rs.)	Total Amount (Including Taxes) (Rs.)
1.	Ultrasonic Thickness Gauge		01			
Total Amount in Figure :						
Total Amount in Word :						

Dated signature & seal of the Vendor