



**INDIAN INSTITUTE OF TECHNOLOGY
KHARAGPUR - 721 302**

NOTICE INVITING TENDER

Tender Notice No: **IIT/MIN/ENQ/Plan/29/2018-19**

Date: **28.09.2018**

SUB: PROCUREMENT OF Ultrasonic Tester P and S wave

Indian Institute of Technology Kharagpur, invites sealed bids from reputed principal manufacturers or their authorized Distributors/Dealer (foreign firms or their Indian representative companies) who have adequate credential for supply, installation and commissioning of “**Ultrasonic Tester P and S wave**” required for dedicated use in relevant research purposes in the **Department of Mining Engineering**.

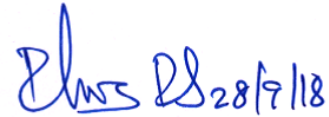
Interested vendors are requested to send their sealed bids under Two-Bids system as per **Technical Specifications** given at **Annexure I**, and **General Terms & Conditions and Special instructions** given at **Annexure II and Annexure III**. Bidders are required to submit their **Details** in the format given at **Annexure IV** along with their technical bids. They are also required to submit a signed **Declaration** in format given at **Annexure V**. A **Checklist** and **Compliance statement** against each item of Annexures thereon severally and individually shall also be submitted. Kindly refer to the Institute website www.iitkgp.ac.in [link: Tenders] for complete tender details. The same is also available in the CPP Portal [<https://eprocure.gov.in/eprocure/app>]. If there is any corrigendum/addendum, it shall only be published on Institute’s Website and Central Public Procurement Portal.

The tender should be sent in a sealed packet, containing two separate sealed envelopes (**one for Technical Bid and other for Financial Bid**) to the Office of **Department of Mining Engineering, IIT Kharagpur, P.O.- Kharagpur Technology, PIN : 721 302 on or before 29th October 2018 by 4:00 P.M.**

For any query pertaining to this bid document, communication be addressed to Prof. Abhiram Kumar Verma, Dept. of Mining Engineering, Indian Institute of Technology, Kharagpur – 721302 , India [Ph.: +91 - 3222 - 283710, Email: akverma@mining.iitkgp.ernet.in].

The Technical bids will be opened on 01st November 2018 at 4.00 p.m. in the Office of the Head, Department of Mining Engineering, Indian Institute of Technology, Kharagpur. Price bids will be opened only of those firms, who will be found technically qualified/short listed, after evaluation of their technical bids. Date for opening price bids will be intimated later.

Earnest money of Rs. 10,000/- is to be deposited in the form of Account payee Demand Draft in favour of IIT Kharagpur, payable at Kharagpur, India.



**Head of Department
Department of Mining Engineering
IIT Kharagpur**



विभागाध्यक्ष / Head
खनन अभियंत्रिकी विभाग
Department of Mining Engineering
भा.प्रौ.सं. खड़गपुर - ७२१३०२, भारत
I.I.T. Kharagpur - 721302, India

Copy to:-

1. Head, Institute Information Cell
2. Chairman Purchase Committee
3. Joint Registrar (Store and Purchase)
4. Notice Board
5. CPP Portal
6. Institute Website

SCHEDULE OF EVENTS

Tender Reference	IIT/MIN/ENQ/Plan/29/2018-19, Date: 28.09.2018
Price of Tender Document	NIL
Earnest Money Deposit (EMD)	10,000/-
Last Date and Time for submitting the tender document	29.10.2018 at 16:00 Hrs (IST)
Time and Date of Opening of Technical Bids	01.11.2018 at 16:00 Hrs (IST)
Place of Opening Tender	Department of Mining Engineering, Indian Institute of Technology Kharagpur-721 302, West Bengal, India
Address of Communication	As stated above
Contact Telephone Numbers	+91- 3222 – 283710/ 03222-282281
E-mail	<u>akverma@mining.iitkgp.ernet.in</u>

Note : Exemption of submission of Tender fee and Earnest Money Deposit (EMD) will be considered as per Government of India rule.

Ultrasonic tester P and S wave

Measures the compression (P) and shear (S) wave velocity, which can be used to calculate the compressive strength, dynamic elastic modulus, Dynamic Poisson's ratio, Bulk Modulus (K) and Shear modulus (G). Provision to upload the calibration relation of V_p and V_s in the software for instant estimation of such properties.

Confirms the Standards like ISRM, EN 12504-4, ASTM C597-02, BS 1881 part 203, ISO 1920-7:2004, IS 13311, CECS21

Technical specifications:

1. Transit Time Range: 0.1 – 9999 μ s
2. Resolution: 0.1 μ s
3. Display of waveform and their storage
4. Noise correction
5. Transmitter: Optimized energizing pulse 125V, 250V, 350V, 500V, AUTO
6. Selectable Gain Steps: 1x, 2x, 5x, 10x, 20x, 50x, 100x, 200x, 500x, 1000x
7. Bandwidth: 20 kHz – 500 kHz
8. Internal Memory: Non volatile, >1000 measured values
9. Power: Battery. Mains: 5v, <500mA via USB Charger
10. Operate with Battery or Without battery while connected with power main
11. Analog Output: Combined trigger and waveform (2Vpp) output for oscilloscope, BNC
12. Operating Temperature: 0 to 60°C
13. Humidity: <95% RH, non condensing
14. IP Classification: IP65
15. Compatible upto 500 kHz S (shear) & P wave transducers.
16. 2x Transducers (250 kHz or more, S Wave)
17. 2x Transducers (250 kHz or more, P Wave)
18. Preferably both P and S-wave should be measured simultaneously and uses the transducer of the same frequency
19. Complete set for instruments to measure P- and S-wave
20. Strong anti-shock case holding the instrument and the accessories.
21. BNC cable with plug 2 x 1.5 m
22. Battery charger
23. Calibration rod
24. Operating manual in hard and soft copy
25. Other consumables required for testing
26. Detailed demonstration about the instruments and working principle and commissioning at IIT Kharagpur

GENERAL TERMS AND CONDITIONS

- 1) **Last Date of Submission of Sealed Bids (both technical and price bids, separately): 29.10.2018 up to 4:00 P.M.**

The Technical bids will be opened on 01.11.2018 at 4:00 P.M. in the Office of Department of Mining Engineering, I.I.T. Kharagpur, India.

- 2) **Payment Terms & Performance Bank Guarantee (PBG):** 90% payment will be made on submission of shipping documents and balance 10% payment will be made on installation, commissioning and submission of PBG for performance period if the payment is made by LC, otherwise 90% will be released after receipt of stores and 10% after successful installation and submission of PBG for the performance period. The security deposit so retained may be refunded on submission of Bank Guarantee towards Performance Guarantee valid for **5 years throughout comprehensive warranty period plus sixty days** drawn on any commercial bank.

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

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.

- 3) **Warranty/Guarantee & On-site skill support: Five years** onsite comprehensive OEM warranty from the date of successful installation and commissioning. The firm has to guarantee supply of spares for a minimum period of 05 years. **The OEMs / Authorized Distributors and Dealers must attach certificate about their after sales and service facilities with Technical Bids**, escalation support for on-call service or station engineer etc.
- 4) **Earnest Money Deposit (EMD):** An amount of **Rs. 10,000/- (Rupees Ten thousand only)** in the form of Demand Draft drawn in favour of “**IIT Kharagpur**”, payable at Kharagpur.

E.M.D. should be enclosed separately in an envelope and stapled with the Technical Bid document superscribing EMD. The validity of the EMD should be 3 (three) months from the date of issue. **Any bid without EMD will summarily be rejected. No interest is payable on EMD.** EMD will be refunded to the unsuccessful bidder after finalization of the tender process. No interest is payable on security Deposit. Security Deposit shall be forfeited if the selected vendor after award of contract, fails to execute the same.

- 5) **Tender Fee:** No Tender Fee
- 6) **Delivery of Stores:** The store items are to be supplied within 60 days from the date of receipt of the Purchase Order or from opening of LC whichever is later.
- 7) **Price :**

PRICE may be quoted either in INR or in foreign currency.

Where tenderer intends to quote in Indian Rupees (INR), the price should be quoted “FOR IIT Kharagpur” basis. IIT Kharagpur is registered DSIR, Govt. of India. GST rate for scientific goods is 5% as per the Notification o. 47/2017-Integrated Tax (Rate) dated 14th November, 2017. Necessary certificate in this regard will be issued as per requirement and on request of the successful bidder. Where tenderer intends to quote in foreign currency FCA/FOB source port price by Air/Sea to be quoted. In case of comparison between FOR IIT Kharagpur (quoted in INR) and FOB/FCA price (quoted in foreign currency) 20% will be added on FOB/FCA price after conversion to INR. IIT Kharagpur is registered under DSIR. Govt. of India and eligible for exemption for payment of Customs Duties in Terms of Government of

India Notification No.51/96-Customs dated 23.07.96. Necessary certificate in this regard will be issued as per requirement and on request of the successful bidder.

- (i) The unit prices should be for the same unit as indicated in the Schedule to tender enquiry and not for any other unit.
 - (ii) Prices quoted should be for supply, installation and commissioning at I.I.T. Kharagpur.
 - (iii) Discount, if any, should be indicated in the financial bid.
 - (iv) Offers should normally be on fixed and firm price basis. Any clause making price variation will not be acceptable
- 8) **Bid:** Technical Bid and Price Bid should be submitted in two separate sealed envelopes quoting reference number on the top of the envelope. EMD should be enclosed with the Technical Bid documents. in separate sealed envelopes, stapled with the packet containing Technical Bid documents. The OEMs may either bid directly or Country/Regional/State Distributors/Dealers /Vendors, to quote authorized with valid authorization certificate, capability to sale and service of the products.
 - 9) **Acceptance of Tender:** The Authority of IIT Kharagpur does not bind itself to accept the lowest priced bid and reserves the right to reject any or the entire tender bids received without assigning any reason thereof.
 - 10) The addendum/corrigendum if any shall be published on Institutes Website i.e. www.iitkgp.ac.in and on CPP Portal.
 - 11) The Bidders are requested to submit the bids after issue of clarifications only considering the changes made if any. Bidders are totally responsible for incorporating/complying the changes/amendments issued if any, in their bid.
 - 12) **Extra Features:** If the bidder provides any other extra features on the Hardware or Software which are not mentioned in the tender product specifications, then that shall be highlighted in clear terms, with documentary evidence/ literature.
 - 13) **Compliance List:** The proposal should be properly indexed and a compliance list against the technical specifications should be provided.
 - 14) **Service:** Response to ensure quality of services, the deputed Engineer from the OEM/Vendor shall have a minimum of 2 years of experience in the relevant field and must be in the payroll of the OEM Vendor.
 - 15) **Installation and Commissioning:** Free of cost at IIT, Kharagpur. The OEM must ensure timely installation of “**Ultrasonic Tester P and S wave**” with necessary support to the indenters, as per details and lists to be made available by the Stores & Purchase Section or the indenting Departments/Centres/Schools.
 - 16) **Validity of licenses:** Software's licensing price or policy (if any) shall be clearly mentioned.
 - a) All licenses should be perpetual
 - b) All the accessories shall be from the same OEM
 - 17) The OEM should be an ISO-9000 and ISO-14001 certified company with due credits to energy conservation and green earth compliance.
 - 18) **Relevant documents of the OEM shall be enclosed, along with the Technical Bid. Any explanation on this account shall be supported with documentary evidence from the principals.**
 - 19) **Conditional Offer** will not be accepted.

- 20) **Period of Validity:** Bids shall remain valid for acceptance for a period of 120 days from the date of opening of the price bid.
- 21) 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.
- 22) **Past Performance of the Vendor will be judged at the time of Technical Evaluation.**
- 23) **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.
- 24) **Bidders should** enclose the following documents:
- i. Certificate of Registration / Trade License
 - ii. Attested copy of PAN card and GST registration certificate.
 - iii. Authorized Distributors Vendors must submit **two separate** appropriate authorization certificates and letters from their OEMs, for **(i) participation in the said tender and (ii) to submit the bids in favour of OEM (to be attached with technical bids)**
 - iv. Name and address of past satisfactory supplies or minimum three clients to whom such items /stores have been supplied should be mentioned in the technical bid.
 - v. Copy of mandatory test reports, national testing/reliability and endurance test reports etc., certified or conducted at the manufacturing site, granted by the bureaus/quality control departments/national testing laboratories.
 - vi. Copy of product literature, for which the prices have been quoted.
 - vii. A write up on service and maintenance capability, mitigation of risks or breakdown and replacement capability, with the escalation support matrix suggested for the Institute. Vendors must indicate their sales and support service centre in India and their plan to address issues about services, maintaining minimum service inventory etc.
 - viii. Signed copy of the tender document, with company seal, agreeing to the terms & conditions and declaration should be provided.
 - ix. **Proforma Price Bid (without mentioning the price rate) may be attached with technical bids**
 - x. **Port of Shipment and Country of origin: Should be mentioned in the quotation.**
 - xi. **Purchase order to be placed on: Should be mentioned in the quotation with full address.**
 - xii. The OEMs/Vendors need to submit a certificate that they are not currently debarred or blacklisted in IIT Kharagpur or in any national organization or educational institute/university for any supplies, products or services .
- 25) **All tenders are to** be handed over in a sealed envelope in the **Office of Department of Mining Engineering, IIT Kharagpur- 721302**. 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. **For speed post, the Postal Address is "Office of the Department of Mining Engineering, IIT Kharagpur-721302"**

- 26) **Opening of Price Bid:** The Price Bid(s) of only those vendor(s) who are found technically qualified. **The date for opening of price bids will be notified separately to the technically qualified vendors.**
- 27) Tenderer or their authorized representative (with proper authorization letter for attending 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

IMPORTANT

- I. Director may accept or reject any or all the bids in part or in full without assigning any reason and does not bind himself to accept the lowest bid. 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.
- II. 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.
- III. In case of any dispute, the decision of the Director of this Institute shall be final and binding on the bidders.
- IV. For any query pertaining to this bid document. correspondence is to be addressed to the End user:
Department of Mining Engineering.
Indian Institute of Technology
Kharagpur- 721302. West Bengal. India
[Ph:03222- 283710/282281]
Email :- akverma@mining.iitkgp.ernet.in
- V. In case the due date for opening 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 on Saturday & Sunday.

INSTRUCTIONS & SPECIAL CONDITIONS

(To be returned by Tenderer along with the Tender duly signed)

1. **GENERAL:** Tenderer(s), who are Indian Agents of OEMs should furnish a clear declaration as follows: We declare that I am/we are Accredited Agents of the suppliers aboard. DGS&D enlistment certificate needs to be attached (applicable only for the Indian Agents)
2. **DEVIATION FROM SPECIFICATIONS:** It is in the interest of the tenderer to study the specifications in the tender schedule thoroughly before quoting so that, if the tenderer makes any deviations, the same are prominently brought out in the body of the tender. If you need to add any optional items to your system in order to meet our specifications, you are requested to quote for the total including the option required to suit our requirements. Otherwise, your tender will not be considered at all.
3. **TENDERERS SHALL SUBMIT ALONG WITH THEIR TENDER:**
 - (i) Complete address and tele links for contact persons of principals and Indian agent offices dealing with this purchase.
 - (ii) Name and full address of the OEM's Banker and their swift code.
 - (iii) Port of shipment and Country of origin is to be provided for each item.
 - (iv) Purchase order to be placed on: Should be mentioned in the quotation with full address
4. **PERFORMANCE BANK GUARANTEE:** On behalf of the Principal, Indian Agent must be able to provide Performance Bank Guarantee of the amount equivalent to the 10% of the cost of equipment from any Nationalized Bank. The Performance Bank Guarantee is required for the entire period of Warranty. Performance Bank Guarantee must remain valid for a period sixty days beyond the expiry of the Warranty Period. Bid security will be refunded back on submission of performance Security.
5. **GUARANTEE:** The tenderer has to declare that the goods sold to the buyer under this contract shall be of the best quality and workmanship and shall be strictly in accordance with the specifications.
6. **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.
7. **ACKNOWLEDGMENT:** It is hereby acknowledged that we have gone through all the points listed under "Instructions & Special Conditions" outlined above, and those in the accompanying note on "Important Conditions", and we agree to abide by them under the penalty of permanent disqualification for Tender participation and for related penal actions for non-abidance of the conditions.
8. Interested vendors must be able to supply adequate spares and consumable during **Five years of comprehensive warranty**. Vendor should also ensure trouble free service and performance for another **seven years beyond five years Comprehensive Warranty** Period with adequate spares and accessories.

TECHNICAL BID DOCUMENT

FORMAT TO BE FILLED BY THE MANUFACTURERS/ INDIAN AGENTS (ON BEHALF OF THEIR FOREIGN PRINCIPALS) OR THEIR AUTHORIZED COUNTRY DISTRIBUTORS/ REPRESENTING DEALERS/ REGIONAL AGENCIES, SUBMITTING TENDER FOR UPLY OF ACOUSTIC HOLOGRAPHY SYSTEM FOR IIT KHARAGPUR (DEPARTMENT OF MINING ENGINEERING)

1. Name of the Tenderer:
2. Status of the Tenderer: (attach documents, if registered company/partnership/proprietorship)
3. Whether OEM/representing foreign principle : (attach copy of certificate/authorization)
4. Details of key top official/authorized official: (attach details)
5. Details of tie-ups for supply/services. if an): (Attach details, Agreement, escalation matrix)
6. Income Tax returns of previous three assessment year (copy) :
7. Current list/address of clients where similar material has been supplied and successfully working two years:
8. Name of the vendor's three largest clients. to whom similar products and services were extended & amount of transaction annual bills to such clients:
9. Income Tax Permanent A/c No..(attach copy):
10. GST registration o.(attach copy):
11. Details of EMD:

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

-----Dated
Signature & Seal of the Authorized person of OEM/Vendor

NOTE: This is to be submitted in a separate sealed envelope super scribing "TECHNICAL BID", Notice inviting Tender No. **IIT/MIN/ENQ/Plan/29/2018-19, Date: 28.09.2018** and name of the bidder. All technical documents like literature, Catalogues, etc., are to be put in the same envelope. Price bid of that company firm only will be opened which do technically qualify, for further consideration. **Attach all relevant documents in the same serial order as above, properly indexed, duly signed and sealed.**

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. I have carefully read and understood all the term 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.

----- Signature of the Authorized

Person Date: ----- Full Name: -----

Place: ----- Company Seal: -----