



भारतीय प्रौद्योगिकी संस्थान (भारतीय खनि विद्यापीठ), धनबाद

धनबाद, झारखण्ड, भारत, पिन-826004

(मानव संसाधन विकास मंत्रालय, भारत सरकार के अधीन राष्ट्रीय महत्व का एक संस्थान)

INDIAN INSTITUTE OF TECHNOLOGY (INDIAN SCHOOL OF MINES), DHANBAD

DHANBAD, JHARKHAND, INDIA, PIN-826004

(An Institute of National Importance under Ministry of H.R.D., Govt. of India)

STORES & PURCHASE SECTION Phone:(0326) 2235678 || Email : purchase@iitism.ac.in || Website : www.iitism.ac.in

File No. Mech-INS-291-18-19

Date: 20th November 2018

Request For Quotation/Notice Inviting Tender

To,
M/s N K Instruments
28/5 Ground Floor z, Convent Road
Kolkata - 700014
Email: sales.in@kistler.com

Subject: Supply & Installation of Kistler's Piezoelectric base Multi components with standard cutting force dynamometer with standard accessories and Analysis system.

Sirs,

The Indian Institute of Technology (Indian School of Mines), Dhanbad is interested for the purchase of the materials/ equipment listed below:

S No	Description of item(s)	Quantity	Remarks
1	Supply & Installation of Kistler's Piezoelectric base Multi components with standard cutting force dynamometer with standard accessories and Analysis system. (Detail specification in Annexure I)	01	At the earliest/ Ex-stock

INSTRUCTIONS:

- 1) Please attach relevant technical literature of the item, Authorization and Proprietary certificate.
- 2) Please mention warranty/ guarantee period in your offer.
- 3) Please mention after sales service information in your offer.
- 4) Price should be in F.O.R. IIT(ISM), Dhanbad basis only.
- 5) *Please attach a certificate that the quoted price is not more than that of any other Govt. organization/ institution in India. This has to be mentioned in the offer letter clearly.*
- 6) The rates should be quoted for each item separately.
- 7) Rates quoted will be taken as inclusive of all taxes unless given separately. IIT (ISM) does not issue any Form 'C' or 'D' towards sales tax concessional rate. Hence, full rate of sales tax/ VAT, GST applicable should be quoted.
- 8) The items/ materials shall be required to be delivered at **Mechanical Engg. Dept.** of IIT (ISM) Dhanbad at the risk and cost of the tenderer.
- 9) Your tender must be **valid for minimum 90 days** from the date of opening of tender.
- 10) The stores are required to be delivered within **30 days**, late delivery may not be accepted.
- 11) Full details of stores offered should be given in the tender along with supporting & relevant literatures/ Technical Literature.
- 12) Sales Tax/ VAT Registration Number, GSTIN should be clearly mentioned in your offer, failing which your offer may not be considered.
- 13) **Performance Security/Performance Bank Guarantee:** The successful bidder(s), on whom order will be placed, has to submit a performance security of 10% of the total order value at the earliest as per PO terms before release of any payment. Performance security has to be submitted in the form of Bank Guarantee/Demand Draft from any Nationalized/Scheduled commercial Bank in favour of the Registrar, IIT (ISM), Dhanbad. Performance security should remain valid for a period of two months beyond the date of completion of all contractual obligations of the successful bidder(s). No interest will be payable by IIT (ISM) Dhanbad on the Performance Security deposited. In case the contractor fails to provide satisfactory service, the Performance Security submitted by the bidder(s) is liable to be forfeited. An undertaking to this is to be submitted.
- 14) The items offered should be of good quality confirming to BIS standards, wherever applicable.
- 15) **Advance payment is not admissible.** Payment shall normally be made within 3-4 weeks subject to receipt and acceptance & installation (as per Purchase Order Terms) of the ordered materials/items.
- 16) In the event of the supplier failed to supply the materials or install the same as contractual condition, IIT (ISM) shall have the right to deploy suitable agency/ third party to get the job completed at the risk and cost of the supplier.
- 17) Tender may please be submitted **in sealed cover only superscribed with Enquiry No. Mech-INS-291-18-19 and due date** as is **IMMEDIATELY**.
- 18) Your bid should reach our office preferably latest by **30.11.2018**.
- 19) Any other information that you may like to obtain, you are free to contact IIT(ISM) before submission of tender.
- 20) IIT (ISM) reserves the right to accept and/or to reject any/all tenders without assigning any reason.

[Signature]
20-11-18
Assistant Registrar



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Annexure I

Specifications of Kistler's Piezoelectric based Multicomponent Cutting force dynamometer with standard accessories and Analysis system

Item / Type	Specification
4-component Piezo-based Dynamometer (type 9272)	Piezo-Multicomponent Dynamometer Measurement of 4 Components (Fx, Fy, Fz, Mz)- Measuring Range Fx,y: -5 ... 5 kN- Measuring Range Fz: -5 ... 20 kN- Measuring Range Mz: -200 ... 200 N·m- Connection: Fischer Flange 9 pin neg.
Connecting cable (8 leads) (Type 1677A5)	Connecting Cable, High Insulation Fischer 9 pin pos., 8-conductor, L = 5 m- Input: Fischer Flange 9 pin pos.- Output: Fischer 9 pin pos.- Ground-isolated- Degree of Protection: IP67 - IP65- Flexible Cable Metal Shield Sheath, ø12,3 mm- Used for: 6-Component Measurement
Tool holder (Type 9404)	Toolholder suitable for Dynamometer Type 9272Included Accessories:- 4x Cylinder head screw M8x40
Charge Amplifier (Type 5167A41DK)	Kistler LabAmp® Laboratory Charge Amplifier, 4-Ch, quasi-static, Desktop, Fischer connector, Ethernet Measuring Ranges: ±100 ... 1 000 000 pC- Meas. Signal Connection: Fischer- Housing: Desktop Version with Tilt Feet- Interface: Ethernet- Supply Voltage: 18...30Vdc- Signals: Charge- Integrated Data-Acquisition- Analog Outputs ±10 V- Power Supply, Ethernet Cable included- PTP Synchronization- incl. DynoWare Software
Software	Kistler DynoWare compatible with multi-component force measurement
