

**INDIAN INSTITUTE OF TECHNOLOGY KANPUR**

**Department of Earth Sciences**

**\*REVISED**

**Enquiry No: ES/PROJECT/DG/2017-18/01**

**Date: 06.11.17**

**Subject: Quotation for supply of Controlled seismic hammer source as mentioned below.**

With reference to the subject mentioned above, you are invited to submit the quotation in a sealed cover in order to reach us by **November 10<sup>th</sup>, 2017** in the form of a hard copy to the address mentioned below. If you have any question please call Dr. Dibakar Ghosal at 0512-2596909, email: [dghosal@iitk.ac.in](mailto:dghosal@iitk.ac.in).

**The prospective suppliers are required to send quotation in two parts in sealed envelopes, as "Technical Bid" and "Financial Bid".** The Technical Bid should contain detailed technical specification of the product being offered and should not mention any prices. The Financial Bid should include the detailed price quotation clearly including the cost of the equipment, taxes, service charges if any, shipping and handling charges. **The two separate and sealed envelopes should be clearly marked appropriately as "Technical Bid" and "Financial Bid".**

**NOTE:** - Kindly write the inquiry no on the top of envelop.

SI No	Description (for controlled seismic hammer source)	Quantity
1	Base System (fully operational, with hand controller and trigger output electronics and digital shot counter). 950 pound or more controlled source seismic hammer with electrically controllable striker plate and High tension elastomers to increase force on the hammer for the greater velocity at impact supporting turbo option. 24 VDC system with electronics for charging with facility for electric motor to upgrade from 1 HP to 2 HP.	1
2	Radio Trigger Link with embedded transmitter for triggering seismic station	1
3	Universal Wireless remote hand Controller for control of: Striker plate Impact hammer Operational to 150 meters from source	1
4	Hitches providing high strength tow ring for mountainous towing and standard ball hitch	1
5	A facility to Fast Fourier Transform of the impact and storing on a PC allowing a quick evaluation of the surface quality and source signal. If the frequencies are poorly distributed across the spectrum, the field crew should get a chance to relocate the seismic source.	
6	Crating, Shipping, Handling, Insurance & Freight cost should be included in total price	1
7	Encoder system should include radio triggering unit; 10 Pin Ethernet Data Cable; Power/Radio/GPS Cable; Single Frequency GPS Unit; Radio & Accessories; Includes: Radio; Antenna Cbl w/Conn; Antenna w/ Load; L-Bracket; Radio I/F Cable; Hammer Switch w/5m Cable; Radio triggering Hammer Switch Cable; Radio triggering Recording System Cable, Full Installation Software.	1
8	Instruments should be available in 10 -12 weeks for shipment	
9	After Sales Service: Supplier should have helping center in India and has to attach an undertaing affirming that repairing, if required of the supplied items, will be attended within 15 days once its defect is received by them.	
10	Documentation: One copy of hard and soft operating manual.	1
11	Warranty & Guaranty : Minimum 1 year from the date of comissioning or more.	
12	Installation and Commissioning and Field testing: The supplier has to arrange for commissioning and field testing of the complete offered system along with its components. All infrastructure support to be provided by IIT Kanpur to carry out survey. Commissioning should be done within one month from the date of intimation by IITK to the supplier.	

13	Training of 2-3 people for 1 week at the factory or OEM place which will have to be arranged by supplier/manufacturer on operation, and preventive maintenance of supplied items. Cost of boarding/lodging to and fro for the trainee will be borne by IIT-K.	
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**Terms and Conditions:-**

1. Maximum education discount, if any should be offered
2. Validity of quotation should be at least for 60 days
3. Prices should be on CIF and FOB separately (if imported)
4. Each item/component's price should be mentioned separately in the Financial Bid.
5. Prices should include the installation and training cost.
6. Normal payment terms for the Institute will be applicable (90% on delivery of the items and the remaining 10% after satisfactory installation/ inspection).
7. Quotation should carry proper certifications like agency certificate, proprietary certificate, etc.

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