



Indian Institute of Technology Kanpur

Advanced Center for Materials Science

Enq. No.: ACMS/ AU/ 2012-13/ E-14

Enquiry Dated: March 07, 2013

Closing Date: March 18th, 2013

ACMS requires the quotation for **Diamond Wire Saw** complying with or better than all of the specifications mentioned in **Appendix A**. The Diamond Wire Saw should be capable of cutting the metallic as well as other samples with a precisely controlled cutting position. The closing date for the above item is **March 18th, 2013**.

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”.

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. Prices should include the installation and training cost
5. Warranty should be for at least three years after installation
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.
8. An undertaking that the vendor will supply all the spares and services for the equipment for at least 5 years from the date of commissioning
9. Delivery must be within 6 months

Kindly send the Technical and Financial bids in sealed envelopes latest by 18th March 2013 before 5pm to:

Dr. Anish Upadhyaya
Head, Advanced Center for Materials Sciences
IIT Kanpur, U.P. 208016, India.
e-mail: anishu@iitk.ac.in

Appendix A

Technical Specifications for Diamond Wire Saw

Sr. No.	Parameter	Required Specification ^{1,2}
1.	Description	Diamond Wire Saw with cutting wire impregnated with diamond to cut samples form wide variety of materials. The sectioning should be not greater than 0.3mm thick and the cutting position should be controlled with the accuracy of ± 0.1 mm.
2.	Model Name	Clearly mention make, model and model number of the equipment being offered.
3.	Cutting Wire	<ul style="list-style-type: none"> • Should be impregnated with diamond • Desirable wire diameter is 0.2 mm or lower. Also specify and quote for the wires of different diameters available up to 0.3 mm diameter. • The wire should be long enough with the desired length of at least 10m
4.	Sample Stage	<ul style="list-style-type: none"> • Should accommodate the samples up to at least 30mm dia x 30mm thickness • Stage movement should be controlled with an accuracy of $\pm 10 \mu$ m in X and Y direction • The range of X and Y movement should be at least 50mm • The cutting should be automatically controlled
5.	Coolant	<ul style="list-style-type: none"> • Provision is required for continuous flow and automatic recirculation of coolant during cutting of sample
6.	Accessories	<ul style="list-style-type: none"> • 10 additional sets of each wire of selected diameters should be optionally quoted • Specify and quote for standard accessories required for smooth and continuous operation of the saw • Wax or superglue required for mounting sample on the cutting stage should be supplied with the machine • Optionally specify and quote separately for various jsg for mounting samples of different geometries • 50 liters of coolant should be supplied with the machine
7.	Documentation	<ul style="list-style-type: none"> • Two sets of operating manuals for the equipment and control system should be provided in hard copies • A soft copy of the above manuals should also be provided in a CD/DVD
8.	Safety Norms	<ul style="list-style-type: none"> • The instrument should be compliant with international norms for safety and environment
9.	Spares	<ul style="list-style-type: none"> • List of standard spares to be provided for each year starting from 1st to 5th year along with cost and discounted rates
10.	Annual Maintenance Cost	Separately Include the cost of annual maintenance for each year for five years after the warranty period.
<p>¹. Above specifications are desirable and the actual specifications for your systems should be clearly mentioned.</p> <p>². Additional optional accessories should be indicated and quoted separately</p>		