

INDIAN INSTITUTE OF TECHNOLOGY KANPUR

Central Glass Blowing section

Enquiry No.: CGBS/Glass Cutting Saw /01/2016

Opening Date: 21/04/2016

Closing Date: 29/04/2016

Specifications of Glass Cutting Saw Machine Floor Model:

We are interested in procuring Glass Cutting Saw machine floor model with specifications as listed below. Proof should be provided along with the technical bid that the specifications are satisfied in the equipment.

A high precision cutting saw machine for cutting long, cylindrical tubes or rods made of glass, quartz glass, porcelain, ceramics and similar material with diameters 5mm to max.130 mm. By one-time turning of the working piece also larger diameters of up to max. 150 mm can be cut. The machine should be mounted on anti vibration mount to ensure smooth cutting. Other specifications which should be satisfied are as following.

- The cutting table should be corrosion resistant made of SS.
- SS tray for chip removal.
- Spindle made of SS, supported on very high precision bearings lubricant.
- The machine should be fitted with Diamond Wheel of diameter 250mm (ensuring smooth cutting).
- Additional Diamond Wheel of diameter 350mm- 1 No.
- Additional extra long water catch SS plates should be easily attached on both side of machine.
- Roller rest with longitudinal stop with bearings for cutting bigger glass tubes till approx 150mm. diameter.
- Closed cooling water cycle. Coolant reservoir with submersible pump placed in the machine frame. The coolant reservoir made of stainless steel.
- Electrical Specification: Three phase 440volts, 2HP motor, 1500 rpm, 50 Htz.
- The angular cutting stop can be adjustable by 45 deg. A scale of 5 deg division should be incorporated.
- Splash Guard (Transparent protecting Screen) should be provided with the machine.

Reputation/brand and Experience of the Supplier

➤ Only the following branded produces be quoted for:

Pistorius (USA), Arnold Gruppe (Germany), Ukam(USA),MTI corporation (USA),Nortel, Chennai Metco, Infusil Glastech Machines.

The prospective supplier should have a good experience of manufacturing and installing similar Glass Cutting Saw Machine in recognized laboratories, universities and companies. The supplier should include in the technical bid, a list of various personnel to whom the similar unit has been supplied along with the personnel's affiliation, address and contact numbers. In addition, at least one letter of "satisfactory performance" of the similar unit

should be obtained from one of the clients from either a national laboratory or a government institution (e.g. to list a few are IISc, IIT, NCL, NML, CSIR laboratories etc.). This letter from the client should clearly mention that the cutting machine has been installed since when and whether it has been performing satisfactorily.

Design, photo or of the Cutting machine should be given along with the technical bids.

Method of Submitting Quote:

Submit technical and commercial bid in two separate sealed envelopes. The name “technical bid” or “commercial bid” should be clearly mentioned on each envelope. The technical bid should not mention prices. If the technical bid is found to mention prices, the bid will be disqualified. The two sealed bids (technical and commercial) should then be sealed together in another bigger envelop. All envelopes i.e. the technical bid envelop, price bid envelop and the main envelop should clearly mention the Tender Number at the top.

Warranty: ONE year onsite warranty required (from date of installation, against all manufacturing defects and faulty workmanship).

Installation: the price should be inclusive of full installation on site with full functionality demonstration.

Delivery time: 10 weeks maximum from the date of purchase order.

Payment: 100% payment after successful installation (demonstration of the operation of the entire unit).

Quotation should be valid for two months. All envelopes should be marked with enquiry number. All quotes should be in Indian Rupees (INR) with total cost.

Quote: Two bid quote (separate technical and commercial bid in sealed separate covers required) should reach the address as below by 29th April 2016 till 5:00pm:

Shankar Lahura
Southern Labs 112 A,B.
Central Glass blowing section (CGBS).
I.I.T. Kanpur.
Uttar Pradesh- 208016.
Email: slahura@iitk.ac.in
Ph : 0512-259-7296