

To,

Ref No: IIT/ SIIC/Mole/BDCM/BV/10-11-2014

INVITATION FOR QUOTATIONS FOR SUPPLY OF BANGLE DESIGN CUTTING MACHINE

Sealed Quotations along with **Proprietary Certificate or Authorization Letter** are invited as per the following specification given below for the following items from the **authorized suppliers**. (Please send quotation individually for each item). The envelope must be inscribed with "Quotation for the name of the item"

Brief Description of the Goods	Specifications*	Qty.	Delivery Period	Place of Delivery	Installation Requirement if any
Bangle Design Cutting Machine	Mentioned below	01	20 Days	Central Store, IIT Kanpur	Yes

Technical Specification for Bangle Design Cutting Machine

Acceptable materials	Resins such as chemical wood and modeling wax (metal not supported)
X,Y and Z operation strokes	Rotary axis unit uninstalled: 140(X) x 105 (Y) x105 (Z) mm [5-1/2 (X) x4-1/8 (Y) x 4-1/8 (Z) in.]
	Rotary axis unit installed: 140 (X)x70.9(Y)x60(Z)mm [5-1/2(X)x2-3/4(Y)x2-3/8(Z)in.]
Maximum angle of rotation	+_18x10S (+_5000 rotations)
Distance from spindle tip to work plate	Using work plate large: Maximum 126 mm (4-5/16 in.)
	Using work plate small: Maximum 40.5 mm (1-5/8 in.)
Work plate size cutting area	Work plate large :140 (W) x105 (D) mm [5-1/2 (W)x4-1/8 (D) in.]
	Work plate small: 65 (w) x65 (D) mm [2-9/16(w)X2-9/16 (D) in.]
Dimension of work pieces instable on the rotary axis unit	Diameter : Maximum 85 mm (3-3/8 in.)
	Length : 5 to 50 mm (1/4 to 1-15/16 in.)
	Internal circle : 15 to 23 mm (9/16 to 7/8 in.)
Loadable work piece weight	Using Rotary axis unit :0.5kg (1.1 lb) (Maximum workpiece moment of inertia $6 \times 10^{-4} \text{ kgm}^2$)

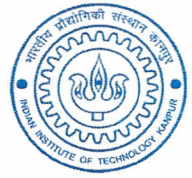
	Using work plate large :4.0 Kg (8.8 lb)
	Internal circle : 15 to 23 mm (9/16 to 7/8 in.)
XYZ-axis Motor	Stepping motor
Feed rate	SY-axis : 0.1 to 50 mm/sec. (0.0039 to 1.9 in./s)
	Z-axis :0.1 to 30 mm/sec. (0.0039 to 1.1 in./s)
	A-axis : 0.02 to 11.79 rpm
Software resolution	XYX-axis :0.002 mm/step (0.0001 mm/step)
	A-axis : 0.0225 deg.
Clamping method	Specialized ring – cutting tool
Spindle motor	DC brushless motor, Maximum 100W
Spindle Rotation	6000 to 20,000 rpm
Tool chuck	Cutter holder (4.36mm) and collet
interface	USB connector , sensor connector, rotary axis unit connector, expansion connector
Power supply	AC 100 to 240 +_10%, 50/60Hz, 2.1 A
Power consumption	Approx 210 W
Acoustic noise level	No-load operation : 60 dB (A) or less, standby :40 dB (A) or less [According to ISO7779]
Dimension	440 (W)x517 (D)x 554 (H) mm[17-3/8 (W)x20-3/8 (D) 21-13/16(H)in.]
Weight	40 Kg (88.2 lb)
Consumables	All required consumables should be provided along with machine. Extra wax peace and chemical wood should be provided
Operation temperature	5 to 50 ⁰ C (41 to 104 F)
Operation humidity	35 to 80% (no condensation)
Jewellery Design Software	
Rhino Gold ver 4.0	Tools for Bench Jeweller
	Dynamic Polar Array
	Curve Shell
	Chain Studio
	Bevel
	Automatic Pave
	Gem Studio
Desktop Computer	
Barnaded Computer/Laptop	Intel® Core™ i3-4150 Processor
	Windows 8.1
	4GB DDR3 RAM / 1TB HDD
	1GB Graphics Card

Terms & Condition

SIDBI INNOVATION AND INCUBATION CENTRE, INDIAN INSTITUTE OF TECHNOLOGY KANPUR, KANPUR-208016

Phones: 91-512-2597057/2597979(O) Fax: 91-512-2596177

e-mail: bvphani@iitk.ac.in web: www.iitk.ac.in/siic <http://home.iitk.ac.in/~bvphani/>



1. **The scope includes:**

- a. Setting up machine in IIT Kanpur.
- b. Initial Installation and configuration.
- c. Training.

2. **Bid Price**

- a) The contract shall be for the full quantity as described above. Corrections, if any, shall be made by crossing out, initialing, dating and re writing.
- b) All duties, taxes and other levies payable on the raw materials and components shall be included in the total price.
- c) Sales tax in connection with the sale shall be shown separately.
- d) The rates quoted by the bidder shall be fixed for the duration of the contract and shall not be subject to adjustment on any account.
- e) The Prices shall be quoted in Indian Rupees only.

3. Each bidder shall submit only one quotation.

4. **Validity of Quotation**

Quotation shall remain valid for a period not less than 60 days after the deadline date specified for submission.

5. **Evaluation of Quotations**

The Purchaser will evaluate and compare the quotations determined to be substantially responsive i.e. which

- (a) are properly signed ; and
- (b) Conform to the terms and conditions, and specification

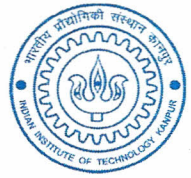
The Quotations would be evaluated separately for each item

Sales tax in connection with sale of goods shall not be taken into account in evaluation.

6. **Award of contract**



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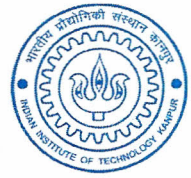


The Purchaser will award the contract to the bidder whose quotation has been determined to be substantially responsive and who has offered the lowest evaluated quotation price.

- 6.1 Notwithstanding the above, **the Purchaser reserves the right to accept or reject any quotations and to cancel the bidding process and reject all quotations at any time prior to the award of contract.**
- 6.2 The bidder whose bid is accepted will be notified of the award of contract by the Purchaser prior to expiration of the quotation validity period. The terms of the accepted offer shall be incorporated in the purchase order.
7. Payment shall be 90% against the delivery and 10% after satisfactory installation & configuration.
8. Warranty/ guarantee shall be 60 months to the supplied goods.
9. You are requested to provide your offer latest by 2.30 p.m. hours on 20/11/2014
10. We look forward to receiving your quotations and thank you for your interest in this project.



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FORMAT OF QUOTATION *

Sl. No.	Description Goods	Specifications	Qty.	Unit	Quoted Unit Rate in Rs.	Total Amount	
						In Figures	In Words
	TOTAL						
	Sales Tax						

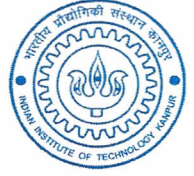
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Gross Total Cost : Rs.

We agree to supply the above goods in accordance with the technical specifications for a total contract price of Rs.(amount in figures) (Rs. amount in words) within the period specified in the Invitation for Quotations.

We also confirm that the normal commercial warrantee/guarantee of 60 months shall apply to the offered goods.

Signature of Supplier

SPECIAL CONDITION

1) Authorization from Manufacturer

In the case of a Bidder offering to supply goods under the contract which the Bidder did not manufacture or otherwise produce, the Bidder has been duly authorized by the goods' Manufacturer or producer to supply the goods in India.

2) Proof of Manufacturing and past performance.

Details of experience and past performance of the bidder on equipment offered and on those of similar nature within the past one years and details of current contracts in hand and other commitments

Dr. B.V Phani

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