

# NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA, SURATHKAL

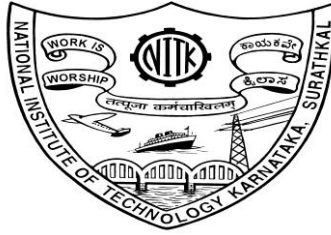
DEPARTMENT OF METALLURGICAL AND MATERIALS ENGINEERING  
POST SRINIVASNAGAR, MANGALORE – 575 025 (D K)

Phone: (0824) 2474000.

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## NOTICE INVITING QUOTATION

Notification. No: **Met-Mat/OCD/SG/PCMC/293/2022-23/04**

dated: 16/08/2022

<b>Name of Goods</b>	Precision Cutting Machine Consumables
<b>Estimated Amount:</b>	Rs.1.75 Lakhs/- (including GST)
<b>Time for Supply of item after release of Purchase order</b>	30 (Days)
<b>Document Download / Sale Start Date</b>	16/08/2022 @ 5.30 PM
<b>Clarification Start Date</b>	16/08/2022 @ 5.30 PM
<b>Clarification End Date</b>	18/08/2022 @ 5.30 PM
<b>Bid Submission Start Date</b>	16/08/2022 @ 5.30 PM
<b>Last Date for submission of bids</b>	01/09/2022 <b>before 3.00 PM</b>
<b>Bid Opening Date</b>	02/09/2022 @ 3.30 PM
<b>Address for Submission of bids</b>	Dr. Sumanth G Assistant Professor Department of Metallurgical and Materials Engg. National Institute of Technology, Karnataka Dakshina Kannada – 575 025 <a href="mailto:sumanthg@nitk.edu.in">sumanthg@nitk.edu.in</a> 0824-2473786



**NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA, SURATHKAL**  
**DEPARTMENT OF METALLURGICAL AND MATERIALS ENGINEERING**

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**NOTICE INVITING QUOTATION (NIQ)**

The National Institute of Technology Karnataka, Surathkal (in short – NITK, Surathkal) is an Institute Of National Importance Under Ministry of Education Govt of India, imparting Technical Education and engaged in Research Activities. It is proposed to procure the items for the departmental academic/research activities.

Sealed Quotations as per the Price Schedule given in this NIQ are invited for the following items subject to the terms and conditions, from the reputed manufacturers or its authorised dealers so as to reach on or before scheduled date and time. The quotations in the firm's Business letter head should be address to the "Director, NITK, Surathkal". The envelope shall be superscribed with the Quotation Notification Number and the Name of the Goods for which quotation is submitted.

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<b>Address for Submission of bids</b>	Dr. Sumanth G Assistant Professor Department of Metallurgical and Materials Engg. National Institute of Technology, Karnataka Dakshina Kannada – 575 025 <a href="mailto:hegdesr@nitk.ac.in">hegdesr@nitk.ac.in</a> 0824-2473786

**Sd/-**  
**HOD**

Note: Institute shall not be responsible for any postal delay about non-receipt /non-delivery of the bids or due to wrong addressee.

**SECTION-1**  
**Terms and Conditions**

1. The rates should be quoted for preferably FOR destination from supply within India.
2. The bidder shall indicate the excise duty exemption for the goods if applicable.
3. The rate quoted should be on unit basis. Taxes and other charges should be quoted separately, considering exemptions if any. The rate should be quoted in INR only
4. Rate quoted should be inclusive of Testing, commissioning and Installation of equipment and Training.
5. Payment: No advance payment will be made. Payment will be made only after the supply of the item in good and satisfactory condition and receipt of performance security by supplier.
6. Guarantee/Warranty period should be specified for the complete period should be specified in section 3 of this tender document.
7. Period requirement for the supply and installation of item should be specified in section 3 of this tender document.
8. In case of dispute, the matter will be subject to Mangalore Jurisdiction only.

**SECTION-2**  
**SCHEDULE OF REQUIREMENTS, SPECIFICATIONS AND ALLIED DETAILS**  
[ To be filled up by the Department / Centre of NITK, Surathkal ]

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Item(s) Name to be Procured : Precision Cutting Machine Consumables

Brief Specifications of the Item(s)  
(Attach Additional Sheet if necessary) : attached

Quantity : One

Any other details / requirement : ----

Warranty Period required : One Year minimum

Delivery Schedule expected  
after placement of Purchase order  
(in Weeks) : 5 Weeks

**SECTION 3**  
**PRICE SCHEDULE**

[ To be used by the bidder for submission of the quotation]

- 
1. Item Name :
  2. Specifications  
(Conforming to Schedule of requirements  
Enclose additional sheets if necessary) :
  3. Currency and Unit Price :
  4. Quantity :
  5. Item Cost (Sl No. 3 \* Sl. No. 4 ) :
  6. Taxes and Other Charges :  
(i) Specify the type of taxes and duties  
in percentages and also in figures.  
(ii) Specify Other Charges in figures.
  7. **Warranty Period** :  
**(Conforming to the Schedule of requirements)**
  8. Delivery Schedule :  
(Conforming to the Schedule of requirements)
  9. Name and address of the Firm for  
placing purchase order :
  10. Name and address of Indian authorized  
agent ( in case of imports only) :

**Signature of the Bidder:** \_\_\_\_\_

**Name and Designation:** \_\_\_\_\_

**Business Address** : \_\_\_\_\_

\_\_\_\_\_

**Place:**

**Date:**

**Seal of the Bidder's Firm**

**SECTION 4**  
**CONTRACT FORM**

[ To be provided by the bidder in the business letter head]

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1. (Name of the Supplier's Firm) hereby abide by the delivery schedule mentioned in this document for supply of the items if the purchase order is awarded.
2. The item will be supplied conforming to the specifications stated in this document without any defect and deviations.
3. Warranty will be given for the period mentioned in this document and service will be rendered to the satisfaction of NITK, Surathkal during this period.

**Signature of the Bidder** : \_\_\_\_\_

**Name** : \_\_\_\_\_

**Business Address** : \_\_\_\_\_

\_\_\_\_\_

**Place :**

**Date :**

**Seal of the Bidder's Firm**



**NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA,  
SURATHKAL**

P.O Srinivasnagar- 575 025, Dakshina Kannada District, Karnataka

**Administrative Approval Ref. No: Met-Mat/OCD/SG/PCMC/293/2022-23/01 Date:21/07/2022**

Item: Precision Cutting Machine Consumables

Quantity: 1 (One)

Warranty: Minimum 1 Year.

Finalized Specifications

**High precision metallurgical consumables**

This bid aims to purchase high quality cutting blades for high precision cutting saw. The saw is used to cut samples for R&D and quality assessment in metallurgical labs, R&D centers to obtain a clean straight cut with minimal damage to the surface so that the cut surface can be used for metallographic imaging after minimal preparation. The surface roughness of the cut surface must be similar or better than polishing with 1000 grit SIC polishing or better. The blade is the most important consumable and much depends on it. The blade is a thin disk with a hole at the center called arbor. It also has to be compatible with water used with the saw so as to avoid heating of the specimen during cutting.

**1) Technical Specification for thin wafering blades**

Item. No	Size Diameter Tolerance (5mm)	Arbor in mm (tolerance: 0.1mm)	Thickness of the blade in mm (tolerance : 0.1mm)	Abrasive (Resin/rubber bonded)	Material to be cut	Hardness of material to be cut HV	No of units per annum
1	175-200mm	22	0.8	Alumina	Ferrous	<500	<b>20</b>
2	175-200mm			Silicon Carbide	Non-Ferrous	70- 500	<b>10</b>
3	125 mm	12.5	0.6	Alumina	Ferrous	<500	<b>20</b>
4	125 mm			Silicon Carbide	Non-Ferrous	30- 500	<b>10</b>

- 2) The consumables have to be compatible with precision saw SECOTOM 60, from Struers Co. as the system is still under warranty. However, if the dimensions are matching and within tolerance, then samples can be provided and if the performance is satisfactory, would approve. Such vendors other than Struers Co. (or their representatives) will have to be willing to send one sample for each item to the door step of NITK without any financial implications to NITK. NITK will inform the compliance after testing. The vendor will be given only one chance to demonstrate the performance of the blades.

**Sd/-  
Dr. Sumanth G  
(Buyer)**

**Sd/-  
Dr. Ravishankar K  
HOD, Dept. of MME**