

# NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA, SURATHKAL

DEPARTMENT OF CIVIL ENGINEERING

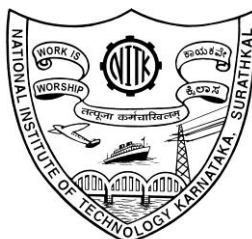
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## NOTICE INVITING QUOTATION

Notification. No: NITK/PUR/CIVIL/OH35/IRG/2024-25/A21/04

Dated: 08/01/2025

Name of Goods	Ball Milling Machine
Estimated Amount	INR 1,00,000/- (Inclusive of applicable GST)
Time for Supply of item after release of Purchase order	14 (Days)
Document Download / Sale Start Date	10/01/2025, 05:00 PM
Clarification Start Date	10/01/2025, 05:00 PM
Clarification End Date	17/01/2025, 03:00 PM
Bid Submission Start Date	10/01/2025, 05:00 PM
Last Date for submission of bids	24/01/2025 before 3:00 PM
Bid Opening Date	On or after 24/01/2025 at 03:30 PM
Address for Submission of bids	Head of the Department Department of Civil Engineering NITK, Surathkal Phone No: 0824 247 3041 Contact Person: Dr. Prashanth M H Phone No: 0824 247 3348, +91 94486 26481



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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 authorized 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 super scribed with the Quotation Notification Number and the Name of the Goods for which quotation is submitted.

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**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.
9. **Delivery Period:** The Delivery Period/Time shall be deemed to be the essence of the Contract and delivery must be completed not later than such date(s). If the Supplier does not perform its obligations within the Delivery Period/Date mentioned in the Contract, the same would constitute the breach of the Contract and the Institute shall have the right to cancel or withdraw the Contract for the unsupplied portion after the expiry of the original or extended delivery date or period stipulated in the Contract. Such cancellation of the contract on account of non - performance by the Supplier would entitle the Buyer to forfeit the EMD/Performance Security besides other actions such as debarment from the Institute as per GFR 2017.
10. **Liquidated Damages:** Timely delivery is the essence of the contract and hence if the Supplier fails to deliver Goods within the original/extended delivery period(s) specified in the contract, the Institute will be entitled to deduct/recover the Liquidated Damages for the delay, unless covered under Force Majeure conditions aforesaid, @ **1% per week or part of the week of the delayed period** as pre-estimated damages not exceeding 5% of the contract value without any controversy/dispute of any sort whatsoever.
11. The bidder needs to comply with restrictions under rule No 144 (xi) of GFR (General Financial Rules) 2017 and the clause pertaining to Public Procurement Division Order (Public Procurement no 1,2 & 3 vide ref. F.No.6/18/2019-PPD dated 23.07.2020 and 24.07.2020 of Dept of Expenditure (DOE), Ministry of Finance). In this Connection Bidder has to submit Self Certification (as per Annexure A or B), depending on the status of the bidder.
12. The bidder needs to submit a Self-certification in line with Make in India, Public Procurement Order No. P-45021/2/2017-BE-II dt. 15.06.2017, P 45021/2/2017-PP (BE-II) dated 28.05.2018, P-45021/2/2017-PP (BE-II)

dated 29.05.2019 and P45021/2/2017- PP (BE – II) dated 16.09.2020 of DPIIT, Ministry of Commerce & Industry. The Bidder who will not meet this criterion will be rejected in the technical bid. The Self-certification should be provided as per Annexure C.

13. EMD must be in the form of Bank Guarantee **Annexure-D** (Fixed Deposit Receipt/Insurance surety bonds/DD/e-Payment mode (through Credit/Debit cards / Net Banking). It will be valid for 180 days from the date of opening of the tender. In case of EMD payment made through E-Payment, UTR Number with details should be uploaded. The firm registered with MSME/NSIC as per MSME procurement policy order 2012 will be exempted from submission of EMD. Intended parties will have to give proof of registration along with their tender. EMD of the unsuccessful bidders shall be refunded without any interest at the earliest after finalization of the purchase of the concerned item.
  - a. The EMD will be returned to the BIDDERS(s) whose offer is not accepted by NITK within one month from the date of the placing of the purchase order(s) on the selected BIDDER(s). In the case of the BIDDER(s) whose offer is accepted the EMD will be returned on submission of Performance Security in the form of Bank Guarantee (BG). However, if the return of EMD is delayed for any reason, no interest/penalty shall be payable to the Bidders.
  - b. The successful BIDDER, on the award of contract/order, must send the contract/order acceptance in writing, within 15 days of award of contract/order failing which the EMD will be forfeited.
  - c. The EMD shall be forfeited in case a successful BIDDER fails to furnish the Performance Security.
  - d. Bidder should prepare the EMD as per the instructions specified in the tender document. The original EMD should be posted/couriered/given in person to the concerned official, latest by the last date of bid submission as specified in the tender documents. The details of the BG/DD/FD/any other accepted instrument, physically sent, should tally with the details available in the scanned copy and the data entered during bid submission time. Otherwise, the uploaded bid will be rejected.
14. **Performance Security:** The successful bidder shall deposit performance security of 3% of the quoted price in the form of Bank Guarantee (**ANNEXURE-E**) / Fixed Deposit Receipt of any scheduled bank drawn in favour of **The Director, NITK Surathkal, Mangaluru** payable at Mangaluru. In case the bidder fails to deposit the said Performance Security within the stipulated period, including the extended period if any, the Earnest Money Deposited by the bidder shall be forfeited automatically without any notice. Please note the following points:
  - a. **Successful bidder should submit performance Security as prescribed above to the purchase Section, NITK Surathkal, on or before 30 days from the date of issue of order acknowledgment.**
  - b. Performance Security shall be for the due and faithful performance of the contract and shall remain binding, notwithstanding such variations, alterations for extensions of time as may be made, given, conceded, or agreed to between the successful bidder and the purchaser under the terms and conditions of acceptance to tender.
  - c. The successful bidder is entirely responsible for the due performance of the contract in all respects according to the terms and conditions of the tender.
  - d. The validity of the Performance Security must cover the warranty period plus two months.
15. Abnormally quoted low bid will be liable for rejection as per the OM No.F.12/17/2019-PPD of Department of Expenditure, Ministry of Finance dated 6<sup>th</sup> February 2020.

16. **\*\*Disclaimer:\*\*** Bidders are advised to exercise caution and not respond to any unknown calls, emails, or embedded links requesting payment for participating in the tender or for any other purpose. Please note that NITK Surathkal never asks for any tender fee for participation in tenders or bids.

**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	: Ball Milling Machine
Brief Specifications of the Item(s)	: As per Annexure "A"
Quantity	: 1 No.
Any other details / requirement	: Installation should be done by the supplier
Warranty Period required	: 3 Years
Delivery Schedule expected after placement of Purchase order (in Weeks)	: 2 Weeks (14 days)

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

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

- 
- |     |  |   |
|-----|--|---|
| 1.  | Item Name  | : |
| 2.  | Specifications<br>(Conforming to Schedule of requirements<br>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<br>(i) Specify the type of taxes and duties<br>in percentages and also in figures.<br>(ii) Specify Other Charges in figures. | : |
| 7.  | <b>Warranty Period</b><br><b>(Conforming to the Schedule of requirements)</b>  | : |
| 8.  | Delivery Schedule<br>(Conforming to the Schedule of requirements)  | : |
| 9.  | Name and address of the Firm for<br>placing purchase order   | : |
| 10. | Name and address of Indian authorized<br>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**



## **Annexure-A**

### **Brief Specifications of the Equipment:**

- Ball milling machine is used to grind or mill materials into fine powders through the use of grinding media (typically steel or ceramic balls) inside a rotating cylindrical chamber.
- The general purpose of a ball milling machine should be able to reduce particle size, mix materials, and produce fine powders. Its versatility makes it valuable for grinding, homogenizing, chemical reactions, and nanomaterial production, among various applications.

### **Features:**

- Versatile Grinding: Should be capable of grinding a wide range of materials, from minerals to ceramics and chemicals.
- Variable Grinding Media: Should be compatible with different sizes and types of grinding media (e.g., steel, ceramic) for specific applications.
- Batch Operation: Should be used in batch mode (Manual or Automatic operation) for laboratory/small-scale or research purposes.
- Energy Efficient: Should be designed with low energy consumption and high output efficiency, reducing operational costs.
- Durable Construction: Built with wear-resistant materials to ensure long-lasting operation and minimal maintenance.
- Ease of Maintenance: Components such as grinding media and drum linings are easy to access and replace.
- Noise Reduction: Features designed to reduce operational noise during grinding, improving work environment. (Noise Level: <70 dB during operation)
- Portable Design: Should be of laboratory-scale models, with portability options for flexible use.

### **Detailed Technical Specifications**

Machine Type	: Dry Ball Mill (Planetary/Laboratory)
Rotate Speed (r/min)	: 50
Applications	: size reduction, homogenizing, comminution
Feed material	: medium-hard, hard, brittle, dry / wet samples
Max. Feeding Size (mm)	: Upto 25 mm
Discharge Size	: Upto 200 mesh (75 microns)
Batch size / feed quantity	: 10 Kg
Required Power	: 16 Amps
Motor Power	: 3 Hp
Purpose	: Grinding Medium-hard material & Extraction
Warranty	: 3 Years Onsite NBD Support
Setting of milling revolution	: 100 to 225 or more
Confirming to	: IS 3612.1994 & IS 4642.1968