**NATIONAL INSTITUTE OF TECHNOLOGY**

**TIRUCHIRAPPALLI - 620 015**

**DEPARTMENT OF METALLURGICAL AND MATERIALS ENGINEERING**

# NOTICE INVITING QUOTATION

| File No. | NITT/SEEDGRANT/PROJ.NO.19/MME/2547/ANB/2024-2025/EP/01 | Date: | 14.10.2025 |
|---|---|---|---|

**To**

**(Supplier)**

Sealed quotations are invited from reputed Authorized Dealers / manufacturers for the supply of the Items.

| | | | |
|---|---|---|---|
| **Name of the Item** | | : | **High Energy Ball Mill** |
| **Quantity Required** | | : | 01 No. |
| **Specification** | | : | (As per enclosed Schedule Annexure – I) |
| 1. | Quotation Reference No. | : | NITT/SEEDGRANT/ PROJ.NO.19/MME/2547/ANB/2024-2025/EP/01 |
| 2. | Last date and Time for receipt of quotation | : | 27-10-2025 before 12.00 PM |
| 3. | Date &Time of opening of Quotation | : | 27-10-2025 at 03.00 PM |
| 4. | EMD Amount | : | **2% MSME (Non-trading) Exempted** |
| 5. | Validity (Days) | : | 90 Days |
| 6. | Address to which quotations are to be sent | : | Dr. R .Anand,<br>Deputy Registrar,<br>Research and Consultancy,<br>National Institute of Technology,<br>Tiruchirappalli – 620 015, Tamil Nadu, India |
| | **Kind attention to** | : | Dr. P. Anbarasi |
| | Phone | : | **0431 250 3455** |
| | E-mail | : | anbarasi@nitt.edu |

1. Quotations should be submitted in the format given in Annexure – I and Annexure-II
2. The envelope should contain the following details:

**"QUOTATION AGAINST ENQUIRY" (High Energy Ball Mill)**

NITT/SEEDGRANT/PROJ.NO.19/MME/2547/ANB/2024-2025/EP/01

**Kind attention to: Purchase Initiator:** Dr. P. Anbarasi, Assistant Professor

**Department: METALLURGICAL AND MATERIALS ENGINEERING**

**Last date and Time for receipt of quotation : 27-10-2025 before 12.00 PM**

| Earnest Money Deposit (EMD) | |
|---|---|
| 1. Earnest Money Deposit (EMD) is to be submitted through SBI collect link as below. The bids submitted without EMD will be treated as non-responsive and will be rejected. EMD shall bear no interest.<br>2. Bidder must fill the EMD returning Form (Annexure-III) and submit along with the quotation.<br>3. EMD will be returned to the unsuccessful Bidder(s) as per the purchase norms.<br>4. The EMD shall be forfeited if any Bidder withdraws the offer before finalization of the tender.<br>5. **UDYAM & NSIC** registered Micro & small enterprises are exempted from paying EMD amount as per Govt. norms (proof to be attached). **For availing EMD exemption, the bidder must be the manufacturer of the offered product in case of bid for supply of goods. In respect of bid for Services, the bidder must be the Service provider of the offered services. Traders/Distributors/agents are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises.** | |
| EMD amount | **2% MSME (Non-trading) Exempted** |

## Terms and Conditions:

| | |
|---|---|
| 1. | The quotation must be in the format furnished by NIT Tiruchirappalli and should be free from corrections/erasures. In case there is any unavoidable correction it should be properly attested. If not, the quotation will not be considered. Quotation written in pencil and incomplete will be rejected. |
| 2. | You are invited to submit your most competitive quotation for the supply of goods according to the specifications and delivery terms as given. |
| 3. | The Bidders have to submit manufacturers authorization Letter from OEM along with the quotation, otherwise offer will not be considered, the same will be rejected. |
| 4. | Bidders may send the quotations in sealed covers with the quotation reference number and last date for receipt of quotations duly superscribed on the cover. Mention the company Contact Number / E-mail id on the cover. |
| 5. | Quotation will be opened on due date at 2**7-10-2025 at 02.00 PM at the Research and Consultancy section, NIT, Tiruchirappalli** in presence of the tenderers or their representatives who may wish to be present.<br>(Any change in the date, time and venue of the quotation opening will be informed to the bidders through telephone / E-mail) |
| 6. | The National Institute of Technology, Tiruchirappalli 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 order without assigning any specific reason thereof. |

| | |
|---|---|
| 7. | Manufacturer's name and country of origin of materials offered must be clearly specified. Printed brochures, Purchase preference is only for Micro & Small enterprises (**MSE's**) register in **UDYAM** Portal or **NSIC** as per Ministries policy for **MSE's.** Proof to be attached |
| 8. | All supplies are subject to inspection and approval before acceptance. Manufacturer / supplier warranty certificates and manufacturer / Government approved lab test certificate shall be furnished along with the supply, wherever applicable |
| 9. | National Institute of Technology, Tiruchirappalli reserves the right to modify the quantity specified in this enquiry. |
| 10. | Startup company exempted from prior turnover & prior experience (startup certificate registered with DIPP should be enclosed) |
| 11. | The bidder has to submit the bids in sealed envelope, (separate for each tender). Further Bidder should not send clubbing many tenders in one envelope, in such case all the bids will be rejected. |
| 12. | **Bid Price**<br>a. The contract shall be for the full quantity Bidders must quote for entire quantity. Each bidder shall submit only one quotation in Indian Rupee only.<br>b. Post work orders & completion certificate should be submitted, wherever applicable.<br>c. 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.<br>d. GST, packing, forwarding and delivering other allied items at the destination shall be included in the price. All such price components may be shown in the quotation. If there is no indication regarding above charges. It will be considered as inclusive of all charges.<br>**e. If any arithmetic mistake in total / GST calculation is observed, the same shall be corrected by the purchaser with an intimation to bidder**<br>f. In case the items in the enquiry are covered by any rate contract or any other state or central Government, it should be specified in your quotation and accepted contract rates should also be mentioned. It should be confirmed whether you could supply at the RC rates outside rate contract<br>g. Quotations containing conditions like "subject to prior sale" may not be considered.<br>h. Delivery period required for supplying the material should be invariably specified in the quotation<br>**i. Bids without quoting GST (unless exempted) will be treated as invalid & disqualified.**<br>j. **If there is a discrepancy between unit price and total price, the unit price will be considered. If there is any mismatch between figure and word, the amount in word shall prevail**. |
| 13. | **Evaluation of quotations:** Quotations will be evaluated item-wise or lump sum basis. The purchase committee will evaluate and compare the quotations determined to be substantially responsive i.e. (i) are properly signed; (ii) Conform to the terms & conditions and specifications; and (iii) price offered are competitive. |
| 14. | **Award of contract**<br>a. The National Institute of Technology, Tiruchirappalli will award the Order for supply of Goods / Services to the bidder whose quotation has been determined to be substantially responsive, and who has offered the lowest evaluated quotation price. |

| | |
|---|---|
| | b. The Bidder should furnish the contract agreement and performance security within 15 days from the date of receipt of the order for supply of goods / services, failing which the order will be cancelled without further notice and awarded to next eligible bidder.<br>c. Notwithstanding the above, National Institute of Technology, Tiruchirappalli 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 order without assigning any specific reason thereof.<br>d. National Institute of Technology, Tiruchirappalli, prior to the expiration of the quotation validity period, will notify the bidder whose bid is accepted for the award of contract. The terms of accepted offer shall be incorporated in the purchase order. |
| 15. | **Warranty: 12 months** |
| 16. | **Performance Security:** Security deposit should be **3%** of purchase order value in case of Performance Bank Guarantee should be valid for 60 days beyond the guarantee & warranty. The successful bidder need to submit performance security (As mentioned in Annexure –I) of purchase order value either in the form of bank guarantee or crossed demand draft drawn on any Nationalized bank in India in favor of "The Director, NIT, Tiruchirappalli" payable at Trichy. The bank guarantee / Demand Draft will be returned to the supplier after 60 days from date of successful completion of supply, installation, and the warranty period. |
| 17. | **Payment:** 100% will be paid after Installation and satisfactory working/date of completion of service if the documents are in order. The bill should be raised in favor of "The Director, National Institute of Technology, Tiruchirappalli, Tamil Nadu, India." with institute GST No. 33AAATN5491Q1ZZ. No advance will be provided to the supplier and installer. |
| 18. | **Liquidity damages**<br>If the bidder / supplier, after accepting the Purchase Order or supply of Goods / Services, fails to deliver any or all of the Goods or to perform Services within the period(s) specified in the Order, The National Institute of Technology, Tiruchirappalli shall impose penalty without assigning any reasons to the bidder / supplier a sum equivalent to 0.50 % of the total cost as indicated in the Purchase Order (which will be deemed as agreed price) for each week or part thereof of delay until actual delivery or performance is completed and such penal charges shall be limited to a maximum of 5% of the agreed price. Once the maximum is reached The National Institute of Technology, Tiruchirappalli, may proceed on its own to consider the termination / cancellation of the Order and may inform the bidder about the cancellation of the said purchase order. unless extension is obtained in writing from the office / Department on valid ground before expiry of delivery period |
| 19. | If the deliveries are not maintained and due to that account Procuring Entity is forced to buy the material at your risk and cost from elsewhere, the loss or damage that may be sustained there by will be recovered from the defaulting supplier |
| 20. | Dispute clause: Any dispute relating to the Enquiring /Tender of the indented item shall be under the Hon'ble Court having its jurisdiction over Tiruchirappalli only |
| 21. | Startup company exempted from Prior Turnover & Prior Experience (Startup certificate registered with DIPP should be enclosed) |
| 22. | **GST as applicable** |

| | |
|---|---|
| 23. | Performance Bank guarantee should be valid for 60 days beyond the guarantee & warranty and the BG submitted for EMD shall be valid for 45 days beyond bid validity period. |
| 24. | The successful bidder should submit **Security Deposit/PBG** within 15 days from the date of placement of order. The **EMD** shall be returned only after receipt of SD. If the bidder fails to deliver the material, then the **EMD/SD** shall be forfeited. |

## ACCEPTANCE BY THE BIDDER

I/We hereby certify that I/We shall abide hereby the terms and conditions and the Annexures of this limited quotation.

**Signature & Seal of Vendor with Date**

For any details / clarifications regarding could be obtained from Stores and Purchase Section on all working days during 10 AM to 5 PM.

For further detail related to Technical specifications kindly contact **Dr. P. Anbarasi** (Purchase Initiator), **Assistant Professor, METALLURGICAL AND MATERIALS ENGINEERING, anbarasi@nitt.edu**, **0431 250 3455**.

(NB: Mention the Contact Number / E-mail on the cover. Any change in the date, time and venue of the tender opening will be informed to the bidders through telephone / E-mail)

**Enclosures:** 1) Specifications of the equipment — Annexure – I

2) Price Format — Annexure - II

3) EMD Return Format — Annexure – III

4) Bank Mandate Form — Annexure – IV

**NATIONAL INSTITUTE OF TECHNOLOGY**

**TIRUCHIRAPPALLI - 620 015**

**DEPARTMENT OF METALLURGICAL AND MATERIALS ENGINEERING**

**Annexure- I**

## Specifications of the Equipment

**Ref:** NITT/SEEDGRANT/PROJ.NO.19/MME/2547/ANB/2024-2025/EP/01

**Date:** 14-10-2025

| S. No | Specification of NIT-T | Specification of the Supplier |
|---|---|---|
| 1. | • Tungsten Carbide lined bowl with spacer 50 ml for Ball milling.<br>• Tungsten carbide balls (5 mm and 10 mm)<br>• Planetary ball mill with Single bowl holder capable of using jars and balls of various materials such as Tungsten Carbide, Zirconium oxide and Stainless Steel, Agate, Hardened Steel etc.<br>• Type of mounting – bench top or floor mounted.<br>• Feed Material Size & Type – suitable for soft, hard, brittle, fibrous & rocky material either dry or wet with feed particle size less than 10 mm.<br>• Final fineness – less than 1 µm upto nano particles for dry grinding and 0.1 µm upto nano particles for wet grinding.<br>• 1:2 Speed ratio with reference to main disc and jar<br>• Wheel rotation speed: 100 -650 rpm<br>• Jar speed: 200-1300 rpm<br>• Effective diameter: ≤ 165 mm<br>• Operating centrifugal acceleration: More than 80 g.<br>• Grinding time: 00:00:01 – 99:59:59 with interval and pause facility.<br>• Software & Automation:<br>• Programmable P.L.C Control Grinding/ programmable Starting time<br>• Timer: 00:00:01 – 99:59:59 HH:MM: SS<br>• With digital display (Programmable).<br>• Run Time - 00:00:01 – 99:59:59<br>• HH:MM: SS<br>• Off Time - 00:00:01 – 99:59:59<br>• HH:MM: SS<br>• No of Cycles - 1 to 999<br>• Acceleration - 1 to 10 Seconds<br>• Deceleration - 1 to 10 Seconds<br>•<br>• Safety features:<br>• Clamping system for safe locking of bowl/jar<br>• Door sensor – machine should not start if door is not closed properly<br>• Door lock – to restrict user to open the door at the time of grinding the samples. | **Model**<br><br>(No hand written) |

| | | |
|---|---|---|
| | • Exhaust fans for ventilation and to control temperature of grinding chamber<br>• Easy to handle bowl locking work stations<br>• “O” ring for Leak proof dry & wet grinding<br>• Over load protection system to protect motor from burning<br>• Run & pause time facility – to save machine from overheating.<br>• MCB power isolation for short circuit protection and start/OFF switch on the control panel.<br>• Emergency stop switch – to prevent accident<br>• Noise level – smooth and noiseless grinding below – 70 db<br>• Forward and reverse control provision.<br>• Memory power failure backup – to restore setting after power restoration.<br>• Digital display<br>• Programmable interval & Break times and rotation direction (clockwise & Anti clockwise)<br>• Grinding in Inert Atmosphere: Mill has optional<br>• facility to grind material in inert atmosphere with Special lids having NRV (Non-Returnable Valve)<br>• Monitor & Record Temperature & Gas<br>• Pressure: Mill should have Optional feature to record and monitor Temperature & Gas pressure of the bowl during grinding with special lids.<br>• Electrical Variable Frequency Drive: VFD based equipment for automatic control of drawn current for the protection of motor<br>• Motor: Three Phase 415 V, 50 Hz, 1.5 HP/1.1 KW<br>• Power Supply: Single Phase 220, AC, 50HZ with Neutral + Earthing.<br>• Energy Monitoring: Mill should monitor energy input during grinding.<br>• Machine Weight: Less than 130 Kg | |

| **Reasons (if there is difference in specification)** | |
|---|---|
| 1. | |
| 2. | |

| **S.No** | **Other requirements related to the equipment** | **NITT Requirement** | **Supplier commitment** |
|---|---|---|---|
| 1. | Installation required | **Yes** | |
| 2. | Warranty (in Month) | **12 months** | |
| 3. | Comprehensive AMC required | **No** | |
| 4. | Delivery Period (Weeks) | **4 to 6 Weeks** | |

| | | |
|---|---|---|
| 5. | Shipment terms | **Up to NIT, Tiruchirappalli** |
| 6. | Performance Security in % | **3%** |
| 7. | Payment Terms | **100% Payment after satisfactory delivery/Installation** |
| 8. | EMD Amount (2 to 5)% | **2% MSME (Non-trading) Exempted** |

**Note:** **Signature & Seal of Vendor with Date**

Specification of the Supplier should be given in detail, single word confirmation like Complied / No / same will be treated as non - responsive Bid and summarily rejected. Proof for the supplier's specification must be enclosed along with the quotations. (catalogue, brochure, and product website link if any)

**NATIONAL INSTITUTE OF TECHNOLOGY**

**TIRUCHIRAPPALLI - 620 015**

**DEPARTMENT OF METALLURGICAL AND MATERIALS ENGINEERING**

**Annexure- II**

## PRICE BID FORMAT FOR BIDDERS

Quotation reference No. & Date: NITT/SEEDGRANT/PROJ.NO.19/MME/2547/ANB/2024-2025/EP/01

Bidder's Offer No. & Date :

| S. No. | Description of item | Unit (Set / No) | QTY | Rate / Qty in Rs. (excluding GST) | GST in Rs. | | | Total Value + GST in Rs. |
|---|---|---|---|---|---|---|---|---|
| | | | | | SGST | CGST | IGST | |
| 1. | **Supply portion** (The price indicated shall be exclusive of all accessories, spares etc. as given in the scope of supply) | Nos | 1 | | | | | |
| 2. | Other accessories / spares etc. as given in scope of supply (Individual item-wise break-up price shall be attached as an annexure to this price bid format.) | | | | | | | |
| 3. | Installation and Commissioning (extra, if any) | No | | | | | | |
| 4. | Packing & Forwarding charges (extra, if any) | | | | | | | |
| 5. | Freight & Transit insurance charges, extra, if any | | | | | | | |
| 6. | Total price | | | | | | | |
| 7. | Value of Annual Maintenance Contract | | | | | | | |
| **8.** | **Net cost to be paid by NIT-T** | | | | | | | |

**Signature & Seal of Vendor**

**Note: The price quoted should be in Typed format only as per the above form. Hand written quotes will be rejected. No row shall be left blank, Kindly mention NA in case the item is "Not Applicable". If this format is not used or any column is left blank, then the bid will be rejected. AMC Value will not consider for arriving L1 bidder.**

**NATIONAL INSTITUTE OF TECHNOLOGY**

**TIRUCHIRAPPALLI - 620 015**

# (TO BE PRINTED IN LETTER PAD OF THE FIRM)

## EMD Returning Form

To
The Director
National Institute of Technology,
Tiruchirappalli – 620 015

Sub: Returning EMD amount

Sir / Madam,

Our firm has participated in the tender / quotation enquiry No mentioned below and produced the EMD amount through SBI collect, details are given below.

| | |
|---|---|
| Tender / Quotation Reference No | |
| EMD amount | |
| Transaction Number | |
| Transaction Date | |

It is requested to return the EMD amount to our firm after completion of the purchase to the below mentioned Bank account.

| | |
|---|---|
| Account Name | |
| Bank Account Number | |
| IFSC code | |
| Bank | |

**Signature with Seal and Date**

**NATIONAL INSTITUTE OF TECHNOLOGY**

**TIRUCHIRAPPALLI - 620 015**

**(TO BE PRINTED IN LETTER PAD OF THE FIRM)**

**Annexure – IV**

## MANDATE FORM FOR ELECTRONIC FUND TRANSFER/RTGS TRANSFER

Date: / /

To

The Director,
National Institute of Technology,
Tiruchirappalli – 620 015, Tamil Nadu

| | | |
|---|---|---|
| Sub | : | Authorization for release of payment / dues from National Institute of Technology, Tiruchirappalli through Electronic Fund Transfer/RTGS Transfer. |

1. Name of the Party / Firm / Company / Institute :
2. Address of the Party :
3. City_____Pin Code_____
4. E-Mail_____Mobile No:_____
5. Permanent Account Number_____
6. Particulars of Bank:

| | | | |
|---|---|---|---|
| Bank Name: | | Branch Name: | |
| PIN Code: | | Branch Code: | |
| IFS Code:(11 digit alpha numeric code) | | | |
| Account Type | Savings | Current | Cash Credit |
| Account Number: | | | |

### DECLARATION

I hereby declare that the particulars given above are correct and complete. If any transaction delayed and not effected for reasons of incomplete or incorrect information I shall not hold Director, National Institute of Technology Tiruchirappalli responsible. I also undertake to advise any change in the particulars of my account to facilitate updating of records for purpose of credit of amount through NEFT/RTGS Transfer.

Place:_____ Date: _____

**Signature & Seal of the Authorized Signatory of the Party**