



BIRLA INSTITUTE OF TECHNOLOGY

Deemed to be University u/s 3 of UGC Act, 1956

MESRA 835215, RANCHI (INDIA)

Phone: 0651-2276030/2276290

Email : purchase2@bitmesra.ac.in

Website: www.bitmesra.ac.in

LIMITED TENDER ENQUIRY

BIT/PUR/LTE/PROD/22-23/IC000933/2022

DATE:20/12/2022

To,

M/s.

Dear Sir,

Subject : Request for Quotation for Procurement of PLANETARY BALL MILL

You are requested to submit most competitive rates(s) for the following item(s) as per details given below (Sealed Quotations may be sent by hand or by post):

Last date and time for submissions of complete Quotations by (Password protected) Email to ar.src@bitmesra.ac.in , purchase2@bitmesra.ac.in sealed quotations can be submitted to the under mentioned address.	10.01.2023 15:00 Hrs. (If all LTE Vendors submit the quotation prior to the submission date, the quotations will be opened prior to last date of submission.)
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Sr.No.	Item Description	Quantity
1	<p>Planetary Ball Mill</p> <ol style="list-style-type: none"> 1. Standard Features <ol style="list-style-type: none"> A. Powerful and quick grinding down to nano range B. Tabletop compact device C. Innovative counterweight and imbalance sensor for unsupervised operation D. Comfortable parameter setting via display and 1 button operation E. Automatic grinding chamber ventilation F. Programmable starting time G. Power failure backup ensures storage of remaining grinding time H. Reproducible results due to energy and speed control I. Suitable for long-term trials and continuous use J. Two different grinding modes (dry and wet) K. Optional Pressure and Temperature Measuring System PM Grind Control with grinding jar L. Measurement of energy input M. Wide range of materials for contamination free grinding N. Safety Slider for safe operation 2. Areas of application: Pulverizing, Mixing, Homogenizing, Colloidal, Milling, Mechanical alloying, suitable for long grinding trials, Plastics, construction materials, metallurgy, electronics, recycling, glass, ceramics 3. Feed materials: Soft, hard, brittle, fibrous, cellulose - dry or wet 4. Feed size: < 10 mm 5. Final fineness: < 1 m and < 100 nm for colloidal grinding 6. No. of grinding stations: 1 7. Speed ratio: 1: -2 	01 Nos.



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	<p>8. Sun wheel</p> <p>A. Sun wheel speed 100 - 650 min-1 or better</p> <p>B. Sun wheel diameter: The system shall be provided with effective sun wheel diameter of at least 140 mm. Vendor to specify the sun wheel diameter.</p> <p>9. Grinding force: 33 g or more</p> <p>10. Grinding jars</p> <p>A. Jar type Stainless Steel & Zirconium Oxide</p> <p>B. Jar size 250 ml and 50 ml</p> <p>C. Conditions " Grinding bowl mount with SELF LOCK - one-hand operation without additional locking elements. Bowl positioning to enable simple removal</p> <p>" Accessories for wet grinding safety closer of jar (for both stainless steel and ZrO₂) and aeration covers are necessary.</p> <p>" Inter grinding pause time shall be in steps from 0 to 99 hours.</p> <p>" Suitable "O rings" for each jar.</p> <p>11. Grinding Balls</p> <p>A. Materials Stainless Steel & Zirconium Oxide</p> <p>B. Size 10 mm and 3 mm (for both Stainless steel and Zirconium Oxide)</p> <p>12. Time setting</p> <p>A. Interval operation Must be present with direction reversal capability</p> <p>B. Interval time 00:00:01 to 99:59:59</p> <p>C. Pause time 00:00:01 to 99:59:59</p> <p>13. Measurement of input energy Should be possible</p> <p>14. Drive 3-phase asynchronous motor with frequency converter</p> <p>15. Power connection 1-phase, 220-230 V, 50/60 Hz</p> <p>16. Standards</p> <p>A. The equipment must be CE mark certified</p> <p>B. The equipment must conform to Protection Code: IP 30</p> <p>17. Warranty and Installation</p> <p>A. Minimum 3 years from the date of installation and commissioning</p> <p>B. Installation and hands-on training of personnel for 2 days</p> <p>18. Supplier Supplier should have installed similar ball mills in minimum 5 Institutes of National repute/Industries of repute/National Laboratories in the last 5 years</p>	
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Sealed Quotation may be submitted superscribed with reference number as appended hereunder:-

Quotation for Supply of ----	
Ref.No. -----	BIT/PUR/LTE/PROD/22-23//IC000933/2022
	To,
	Assistant Registrar Research & Development Cell Birla Institute of Technology Mesra, Ranchi -835215
From : M/s-----	
Address : -----	
Contact No. -----	
Email ID-----	



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1. HSN code of the material should be mentioned in quotation.
2. All entries in the quotation should be typed or computer printed without any ambiguity and should be free from correction etc. Hand written offers will be rejected.
3. Late and delayed tenders will not be considered. In case any unscheduled holiday occurs on prescribed closing date the next working day shall be the prescribed date of closing.
4. The quotation should be submitted with descriptive literature & drawing. The make of the items offered should be clearly specified.
5. Material should be confirming to our specification. The deviations if any should be clearly indicated in the quotations.
6. Successful bidder has to furnish the OEM test certificates along with the materials (if applicable).
7. Rate /Price: The offered price shall be on **FOR BIT Mesra on Door Delivery basis**.
8. **No Advance payment will be considered at any circumstances**
9. If offered Price Term is other than the FOR-Destination term, approximate Freight & forwarding charges along with the applicable Insurance charges may be mentioned.
10. Details of GST registration, PAN No. should be furnished along with quotations.
11. **Road Permit: The supplier shall arrange Road Permit on his own for transportation material to BIT Mesra and any additional tax liability on this account shall be borne and paid by the supplier.**
12. Purchaser will not pay separately for transit insurance/taxes (if any) and the supplier will be responsible until the stores arrive in good condition at the destination.
13. Warranty: Period of warranty should be clearly mentioned and also the parts covered under it. Warranty will be applicable from the date of successful installation.
14. Service Facility: Supplier must mention about the service set up in India & confirm effective after sales service.
15. BIT Mesra is not bound to accept the lowest or any quotation for whatsoever reason and reserve its right to accept or reject in whole or in part any or all the quotations received without assigning any reason.
16. Applicable taxes shall be quoted separately for all items and levies payable by the supplier under the contract shall be included in the unit price.
17. Each bidder shall submit only one quotation and sealed quotation to be submitted / delivered at the address. (Alternatively it can be email (Password protected) at purchase2@bitmesra.ac.in or ar.src@bitmesra.ac.in) or deliver by hand.
18. Training clause (if any)to be mentioned.
19. **Delivery period should be mentioned clearly in the quotation. If a firm accepts an order and fails to execute the order in full as per the terms and conditions stipulated therein, it will be open to this Institute to recover liquidated damages from the firm at the rate of 0.5% to 1% per week of the order value subject to a maximum of 10% of the order value.**
20. Conditional tenders will not be considered.
21. Authorized dealership certificate should be submitted in case principal manufacturing company is not quoting directly.
22. Copy of Purchase Orders for similar equipment supplied to any other organization desired.
23. Annual turnover of company for last 3 year / CA Certificate to be provided.
24. Declaration required by the vendor that the price quoted are lowest that I have supplied to any other organization.



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25. Customs Duty: The Institute is exempted from payment of Customs Duty Vide GOI Notification No. 51/96 Customs, dated 23.07.1996 & No.24/2007-Customs dated 01.03.2007 with registration no 11/161/1990-TU-V dated 23.03.2022.

Sd/-

Assistant Registrar
Research & Development Cell
Birla Institute of Technology
Mesra- 835215, Ranchi