

## Enquiry Letter for Quotation of Planetary Ball Mill

**Enquiry No: ME/NS/02/2017-2/PBM**

**Enquiry Dated: October 25, 2017**

**Closing Date: November 8, 2017**

Sealed quotations (in two separate envelopes namely “TECHNICAL ONLY” and second ‘FINANCIAL” bid) are required for **Planetary Ball Mill**. The specifications for the equipment are given at the bottom. The closing date for the above item is November 8, 2017.

The prospective suppliers are required to send quotation in two parts in sealed envelopes, as “**Technical Bid**” and “**Financial Bid**”. The two separate and sealed envelopes should be clearly marked appropriately as “Technical Bid” and “Financial Bid”.

(i) The **Technical Bid** should contain detailed technical specification of the product being offered and should not mention any price. This should also mention the guarantee and complete spare parts must be included that are required for functioning of the unit.

(ii) The **Financial Bid** should include the detailed price quotation clearly including the cost of the equipment, taxes, service charges if any, shipping and handling charges.

Kindly send the Technical and Financial bids in sealed envelopes latest by November 8, 2017 by 5pm to:

**Dr. Niraj Sinha**

**Department of Mechanical Engineering**

**IIT Kanpur, U.P. 208016, India.**

**E-mail: nsinha@iitk.ac.in**

**Note: Quote must have a compliance report on both technical specification and special features following points**

### **Technical Specification for weighing balance:**

1. Maximum feed particle size should be up to 10 mm
2. Final fineness should be less than 1  $\mu$ m.
3. Electrical Supply Should be single Phase, 230 V, 50- 60 Hz
4. Transmission ratio : 1: -1.8 or better
5. Effective diameter of main disk : more than 120 mm
6. Grinding station should be of single stage stacking bowls facility.

7. Grinding environment must have the capability of operating in both dry and wet conditions
8. Maximum Rotational Speed of Main Disk Should not be lesser than 650 rpm.
9. Centrifugal force should be 29 x acceleration of gravity or more.
10. Grinding bowl & Grinding Ball Size (Diameter), should be a 250 ml Zirconium Oxide bowl. Should provide Zirconium Oxide grinding balls with Two different diameters (10mm ball 24 no, 5mm ball 200 no) Bowl and balls are made up of completely Zirconium Oxide, safety closer devise for wet grinding.
11. Programmable microprocessor controller Should have the facility of programming with programmable interval, Pause time and reverse direction

### **Special features**

1. Net weight should not exceed 100 Kg.
2. Instrument should be CE certified
3. A safety slider which can stop the machine anytime for safe operation.

### **NOTE / Terms and Conditions:**

- The equipment should be provided with all necessary accessories and spare
- Maximum education discount, if any should be offered.
- Validity of quotation should be at least for 60 days.
- Local vendor must have supplied at least 10 similar planetary ball mills to IITs, IISERs OR other institutes of national repute in the past 5 years. Please attach the reference list of 10 such users with phone numbers and email addresses.
- OEM Manufacturer must be an ISO-9001 company & equipment must be with CE compliance. Please attach both certificates.
- Please attach Principal Authorization letter Specific for this tender.
- Machine must have a warranty of at least 1 year. Please also quote the price for extended warranty of 3 years.
- An undertaking that the vendor will supply all the spares and services for the equipment for at least 5 years from the date of commissioning.
- If it is an imported item, please quote FOB charges and CIF charges separately.
- If the product is manufactured outside India, please attach NMIC certificate.
- Prices should include the installation and training cost.

- Normal payment terms for the Institute will be applicable (90% on delivery of the items and the remaining 10% after satisfactory installation/inspection).
- Delivery must be within 2 months.