

## **TENDER NOTICE**

**Department of Chemistry  
Visva-Bharati  
Santiniketan**

**Tender for Procurement of Scientific Laboratory-Based Planetary Ball-Mill  
Tender No. GB/SERB-DST/15-18/2 dated 04.07.2016**

**LAST DATE OF SUBMISSION: 25<sup>TH</sup> JULY, 2016 AT 5 P.M.**

Professor (Dr.) Goutam Brahmachari, the Principal Investigator of the ongoing SERB-DST (New Delhi) Major Research Project, Chemistry Department, Visva-Bharati, Santiniketan-731235, invites sealed tender in Two Bids system (Technical & Financial) from the reputed Firms/Company/Manufacturer/Dealer/Agent dealing with such sophisticated scientific equipments. Before submitting tenders the interested bidder is requested to go through the terms and conditions of the tender documents (Annexure-A) and specifications (Annexure-B) carefully to avoid cancellation of the tender.

### **Annexure-A**

1. The firm having good profiles and high standard reputation in dealing with such sophisticated scientific equipments are only eligible to take part in tender.
2. Technical bid should be enclosed with the following documents
  - i. Trade license, Manufacturing license, Import license (if applicable) and any other licenses required in the related field.
  - ii. Company Registration certificate, Partnership deed (in case of Partnership firm), Power of Attorney (if required), and Dealership or Authorization certificate (in case of dealer/agent) from the manufacturer.
  - iii. PAN and clearance certificate of VAT, CST, Service Tax, P.Tax. etc.
  - iv. Credential for dealing with business of sophisticated scientific equipments for at least five years with list of clients to whom such equipments were supplied (Govt.Org.preferable)
  - v. Annual turnover for at least Rs.1.0 cr during last three consecutive years supported by the Audited Balance Sheet.
  - vi. Name, Designation and contact no. of the qualified Engineer/s who will provide services to us against this supply.
  - vii. Detail of the company from which the Indigenous items (if required) will be procured and provide their information as per Sl. Nos i-iii

## Annexure-A (Continued...)

3. EMD of **Rs 25,000/-** in the form of D/D drawn in favour of the Accounts Officer, Visva-Bharati payable at State Bank of India, Santiniketan Branch, must be enclosed with Technical bid. Tender will be considered CANCELLED without EMD. The EMD for the qualified vendor will be kept as Performance Security Deposit and will be refunded after successful execution of work. There will be no accrued interest for such deposit payable to the vendor.
4. Price bid will be inclusive all charges like VAT/CST, Insurance, Custom Duty, Packing, installation etc. and FOR at the Department of Chemistry, Visva-Bharati, Santiniketan. Please note that DSIR certificate will be issued and all price components will have to be indicated separately.
5. Please indicate cost for other Indigenous ancillary items and cost of gas for installation and operation of the equipment, Gas cylinder, regulator etc. separately
6. Please indicate charges separately for comprehensive AMC for four years after expiry of Warranty/Guaranty period.
7. LOWEST BIDDER will be evaluated on the basis of composite lowest offer for Basic equipment and other ancillary items (Cost for AMC will be considered later)
8. Financial Bids of those bidder who will be qualified in the Technical bid, will be considered only.
9. The rate offered by the bidder will be valid for at least Six months from the date of issue of work order or date of opening of L/C (in case of foreign purchase) whichever is later.
10. Please indicate the exchange rate (in case of foreign purchase) in the financial bid otherwise exchange rate for the foreign currency on opening of tender will be considered for evaluation of lowest bid.
11. The vendor will arrange for on-site training for operation of equipment at own cost.
12. Please indicate the tentative delivery schedule in the financial bid and in case of breach of delivery schedule for more than one month a Liquidated damage @ 1% of the work value per week will be deducted from the Security deposit.
13. No price variation will be allowed beyond the original Scheduled delivery for defaults on the part of the supplier. It may be allowed in case of *force measure* or defaults by the University.
14. Technical bid will contain Annexure-C and declaration in Annexure-D along with Brochure/Catalogue/Pricelist etc. and financial bid will contain Annexure-E only.
15. Original tender document should be neatly typed or printed and each page will be signed and duly stamped with official seal. In case of Authorized signatory, authorization from the competent authority should have to be submitted.

## **Annexure-A (Continued...)**

16. Any correction, deletion or Erasures, overwriting should have to be endorsed by the competent authority or signatory otherwise the tender will be liable to be cancelled.
17. Vague, incomplete, confusing or contradicting and conditional tender will be liable to be cancelled without any explanation.
18. The supplier will be liable to dispose post-sale service and will arrange for supply spares, maintenance after expiry of warranty/guaranty offered by the Manufacturer.
19. The PI reserves right to annul/issue any amendments in the tender document or part thereof at any time prior to but five days before the deadline of submission of the tender and such change will be deemed as integral part of the tender. This will be published through our web-site.
20. The decision of the Technical Committee/Tender Committee will be final and cannot be challenged in any Court of Law.
21. The PI reserves right to cancel the work order issued to the successful vendor, fully or partially without assigning any reasons to the vendor and there will be no claim for any compensation to the affected vendor, if arises out of such cancellation.
22. Effort to personal influence of any nature to the Tender Committee's decision will result cancellation of the bid.
23. Notwithstanding anything contained in any clause of the tender document, the University reserves its right to annul the whole bidding process or to accept or reject all the bids at any time prior to finalization of contract without thereby incurring any liability to the affected bidder/s or any obligation to inform the affected bidder/s of the reason for action of the University.
24. The bidder should quote financial bid both in figure and words. Illegible bid will liable to be cancelled.
25. A declaration of the bidder should have to be submitted in the format of the Annexure-D
26. Duly filled in tender will be sent through courier/speed post only. By hand/personal submission of tender will not allowed. No personal communication will be entertained and any information regarding the tender will be published in our web-site ([www.visva-bharati.ac.in](http://www.visva-bharati.ac.in)).
27. All disputes will be under the jurisdiction of Suri court at Birbhum district or by a Tribunal consisting of three persons- Two from the side of the University and One from the bidder, if agreed by the bidder to settle the dispute out of the court.
28. The bidder should submit self declaration to the effect that he is free from any encumbrance and has no case of legal conviction in any form.

29. Sealed tender containing two covers for Technical and Financial bid super scribing as “**Technical bid for Scientific Laboratory-Based Planetary Ball-Mill**” and “**Financial bid for Scientific Laboratory-Based Planetary Ball-Mill**” and should be sent in sealed covers super scribing as “**Tender for supply of Scientific Laboratory-Based Planetary Ball-Mill**” to **Professor (Dr.) Goutam Brahmachari, Department of Chemistry, Siksha-Bhavana, Visva-Bharati, Santiniketan-731235, Birbhum, West Bengal on or before the 25<sup>th</sup> July, 2016.** Late tender will not be accepted.

**Annexure-B**  
**Specification of Instruments**

**Tender Specification for Scientific Laboratory Planetary Ball Mill**

**A Scientific Laboratory-Based Planetary Ball-Mill should have the following essential features:**

- Powerful and quick grinding down to nano-range
- Perfect stability on lab bench
- Innovative counter weight and imbalance sensor for unsupervised operation
- Comfortable parameter setting via display and ergonomic 1-button operation
- Automatic grinding chamber ventilation
- 10 SOPs can be stored
- Programmable starting time
- Power failure backup ensures storage of remaining grinding time
- Reproducible results due to energy and speed control
- Suitable for long-term trials and continuous use
- 2 different grinding modes (dry and wet)
- Optional pressure and temperature measuring system
- Measurement of energy input
- Wide range of materials for contamination free grinding
- Safety Slider for safe operation
- Suitable servo-stabilizer is to be supplied as an accessory

<b>Technical Specification: Field of application</b>	plastics, construction materials, engineering / electronics, environment / recycling, geology / metallurgy, glass / ceramics
<b>Feed material</b>	soft, hard, brittle, fibrous, cellulose, - dry or wet
<b>Size reduction principle</b>	impact, friction
<b>Material feed size</b>	< 10 mm
<b>Final fineness</b>	< 1 $\mu\text{m}$ , for colloidal grinding < 0.1 $\mu\text{m}$

Continued....

<b>Batch size / feed quantity</b>	max. 1 x 220 ml, max. 2 x 20 ml with stacked grinding jars
<b>No. of grinding stations</b>	1
<b>Speed ratio</b>	1 : -2
<b>Sun wheel speed</b>	100 - 650 min <sup>-1</sup>
<b>Effective sun wheel diameter</b>	141 mm
<b>G-force</b>	33.3 g
<b>Type of grinding jars</b>	Tungsten Carbide, safety closure devices
<b>Material of grinding tools</b>	tungsten carbide 3 mm, 5 mm, 10 mm
<b>Grinding jar size</b>	50 ml
<b>Setting of grinding time</b>	digital, 00:00:01 to 99:59:59
<b>Interval operation</b>	To be available with direction reversal
<b>Interval time</b>	00:00:01 to 99:59:59
<b>Pause time</b>	00:00:01 to 99:59:59
<b>Measurement of input energy possible</b>	To be available
<b>Drive</b>	3-phase asynchronous motor with frequency converter
<b>Power connection</b>	1-phase, 220-230 V, 50/60 Hz
<b>Documentation</b>	Operation & Application Video to be available

### **Salient Features:**

Should have the following Salient features as well:

- Additional Safety Lock.
- Use counter weight and imbalance sensor to maintain perfect stability on lab bench for unsupervised operation.
- Gentle grinding in centrifugal mode.
- Power failure backup that ensures storage of remaining grinding time.
- Electricity saving mode.
- Contamination free grinding.
- Cooling fan or ventilation in grinding chamber for long time operations

**Annexure-C**  
**Technical Part**

1. Name of the bidder :
2. Address with phone no. and E-mail :
3. Detail of Company/Agent/Partnership firm :
4. In case of Agent/Partner-ship Firm, mention detail of the company for which the bidder is representing and submit the deed/agreement. :
5. Detail of the Earnest Money submitted :
  - a. Amount :
  - b. D/D No and date of purchase :
  - c. Drawn on :
  - d. Payable at :
6. Whether all certificates indicating clearance Of Govt.dues or statutory documents have been submitted .Mention the types of documents attached. :
7. Whether the price of each item have been Quoted in Annexure-E as par the Scope of works at Annexure-B :
8. Address and contact no. of Service Engineers :
9. Detail of Clients list. :
10. Whether audited balance-sheets have been enclosed :

Signature with office seal  
Date:

N.B. It is requested to attach separate sheet, if required

**Annexure-D**  
**Technical Part**  
**Declaration of the Bidder**

I/We hereby tender for engagement of manpower as specified in the memorandum given below, at the rate offered by me, in the tender schedule in accordance with the Tender Terms and conditions annexed hereto.

Memorandum

1. General Terms and conditions -Annexure-A
2. Specification of equipment -Annexure-B  
to be supplied i.e. scope  
of work and AMC.
3. Format for Financial Bid - Annexure-C
4. Declaration of bidder - Annexure-D

Should this tender be accepted, I/We hereby agree to abide by and fulfill all the Terms and conditions of the contract/MOU and supply A Scientific Laboratory-Based Planetary Ball-Mill as per the scope of work/ requirement indicated in the Annexure-B and in the default thereof, to pay to the University or its authorized body such sums of money as said in the contract/MOU.

The Terms and conditions of the contract/MOU have been clearly understood by me /us before submission of this tender.

The above tender with amount indicated for each item is hereby offered by me/us.

Dated\_\_\_\_\_ this day of \_\_\_\_\_year\_\_\_\_\_ at\_\_\_\_\_

Name

Address

Signature of witness

Signature of bidder

## **Annexure-E** **Financial Part**

In reference to the Tender notice no.:.....dt.....for supply of the **Scientific Laboratory Planetary Ball Mill** as per the scope of work at Annexure-B I/we hereby offer the Financial Bid as follows:-

1. Cost of Basic Equipment  
(Inclusive of all taxes and cost  
asper Cl.4 of Annexure-A)
2. Cost of Indigenous items/other accessories/related items  
required for operation of Equipment for at least five years
  - A.
  - B.
  - C.
  - D.
3. A.M.C. (Comprehensive)
4. Delivery Schedule
5. Exchange Rate

1. Name of the bidder
2. Address with phone no. and E-mail

Signature of bidder and Office seal  
Date.

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Prof. (Dr.) Goutam Brahmachari  
Principal Investigator, SERB-DST Project  
Chemistry Department, Visva-Bharati, Santiniketan