

# **INTER - UNIVERSITY ACCELERATOR CENTRE**

(An Autonomous Centre of UGC)  
Aruna Asaf Ali Marg, New Delhi - 110067

## **NOTICE INVITING E - TENDER**

**Tender No: IUAC/NIT/70R/RCM/2019-20**

**Dated: 12/03/2020**

Inter - University Accelerator Centre (IUAC) invites online bids through e-procurement Portal under two bid system, viz., Technical and Financial bids, from eligible / experienced parties for the work/supply of “**Bench top Planetary ball mill as per the Annexure-A**”.

Tender Documents may be downloaded from Central Public Procurement (CPP) Portal <https://eprocure.gov.in/eprocure/app> and [www.iuac.res.in](http://www.iuac.res.in)

Aspiring Bidders who have not enrolled / registered in e-procurement portal should enroll / register before participating through the website <https://eprocure.gov.in/eprocure/app>.

Bids should be submitted online only at website: <https://eprocure.gov.in/eprocure/app>. Tenderers / Contractors / Bidders are advised to follow the instructions provided in the e-procurement portal. Bid documents may be scanned with 100 dpi with black and white option which helps in reducing size of the scanned documents.

Only bids received through e-procurement portal will be considered for opening. Bids not covering full scope of work/supply of the products/goods will be rejected and only complete bids will be considered. IUAC reserves the right to accept / reject any / all tenders in part / full without assigning any reasons whatsoever, and the decision of IUAC in this regard will be binding on all the bidders.

Bidders have to select the payment option as "offline" to pay the tender fee and EMD as applicable. The Earnest Money Deposit (EMD) and tender cost shall be in the form of demand draft issued in favor of “**Inter University Accelerator Centre, New Delhi**” and it should be deposited at IUAC before the bid opening. Bidders registered with MSME / NSIC and foreign bidders quoting directly are exempted from payments of EMD and tender fee. Copy of valid registration certificate should be uploaded in the portal.

Bidders are advised to note that they should necessarily submit their financial bids in the standard .XLS BOQ format provided and no other format is acceptable.

Any Corrigendum / Amendments in respect of above tender shall be issued on the website <https://eprocure.gov.in> only. Bidders should take into account any corrigendum published on the tender document before submitting their bids.

## **E - TENDER DOCUMENT**

Name of Work / Supply	Bench top planetary ball mill as per the annexure-A
Tender Number	IUAC/NIT/70R/RCM/2019-20
Tender Value / Estimate only	USD 14500 (Rs. 998325/-)
Earnest Money Deposit	Rs. 20,000/- (Twenty thousand only)
Tender Cost	Rs. 500/-
Bid Submission End Date and Time	March 21, 2020 at 3:00 P.M.
Technical Bid Opening Date (Part - A)	March 23, 2020 at 9:30 A.M.
Price Bid Opening Date (Part - B)	To be intimated.
Address for contact	M. B. Joseph, Administrative Officer (S&P), E-mail: joseph@iuac.res.in Ramcharan Meena E-mail: ramcharanmeena1992@gmail.com Phone: 011-24126018 & 24126022
Place of opening of the Tender	Committee Room / Council Room, IUAC

### **General Terms and Conditions of the Tender:**

**1. Submission of Tender:**

Tenders should be uploaded on CPP Portal in two parts, i.e., Technical Bid (Part - A) and Price Bid / BOQ (Part - B).

**2. Technical Bid (Part-A):**

In this bid, the bidder should upload the following documents required for technical qualifications. No deviations in respect of NIT conditions are acceptable.

- a) Catalogues or data sheet and other technical specifications of the products indicating its ability to meet the technical specifications as per **Annexure-A**.
- b) Tender Acceptance Letter on Letter head duly signed and stamped.
- c) A promising letter/undertaking on company letter head dully signed & stamped to be provided by the vendor that it is genuine new product.
- d) A certificate of compliance (CoC) will have to be provided by the vendor along with the materials to that ensure genuine material is supplied.

*Technical bids which are not confirming to the technical specifications will be disqualified.*

**3. Price Bid / BOQ (Part-B):**

In this bid, the bidder is required to quote unconditional rates in appropriate currency in the .XLS BOQ format provided with this tender.

The Indigenous suppliers quoting in INR should quote the rates all inclusive upto IUAC and excluding GST. IUAC is exempted from Customs Duty and GST and necessarily certificates shall be issued by IUAC. The BOQ file must not be modified.

4. **Earnest Money:** An earnest money deposit (EMD) of Rs 20,000/- (Rupees twenty thousand only) has to be submitted before opening of the technical bid (Part-A). The EMD shall be only in the form of Bank Draft / Banker's cheque in favour of "Inter-University Accelerator Centre", payable at New Delhi. No Cheque/ Cash shall be accepted as EMD. The refund of EMD to the technically disqualified & lowest 4th bidders onwards shall be made within 15 days from the date of opening of price bid. The refund of EMD of the 2<sup>nd</sup> & 3<sup>rd</sup> lowest bidders shall be made after award of work and site mobilization by the successful bidder. The EMD of the successful lowest bidder (L1) shall be adjusted against Security deposit.
5. **Validity of Tender:**  
Tender shall be valid for our acceptance without any change in the rates and NIT conditions for a period of 90 days from the date of opening the price bid. No escalation of cost will be acceptable in any condition after opening of tender.
6. **Escalation / Deviation:**  
No escalation or deviation shall be allowed till execution of order / contract.
7. **Terms of Payment:**  
Payment will be made through Letter of Credit against complete shipping of materials/goods followed by submission of complete shipping documents
8. **Delivery Period:**  
The material should be delivered at IUAC within 90days from the date of issue of purchase order or date of opening of LC. In case supply is delays beyond the specified delivery date, deductions on account of liquidated damage @1% per week or thereof will be deducted subjected to maximum of 10% of order value.
9. **Correspondence:**  
All the correspondence in respect of tender / contractual obligation shall be made to "The administrative Officer (S&P), Inter University Accelerator Centre, Aruna Asaf Ali Marg, New Delhi – 110067". E-mail: joseph@iuac.res.in, Phone: +91-11-24126018, 24126022.
10. **Tender Rejection:**  
(a) IUAC reserves the right to accept/reject any/all tenders in part/full without assigning any reason whatsoever and the decision of the IUAC in this regard will be binding on all the bidders.  
(b) Bids received by means other than e - procurement portal will be rejected.  
(c) If BOQ file is found to be modified by the bidder, the bid will be rejected.  
(e) Tenders not complying with any of the provisions stated in this tender document are liable to be rejected.
11. **IUAC reserves the right** to reject or accept any or all the tenders in full or in part without assigning any reasons whatsoever, and the decision of the Centre in this regard will be binding on all the bidders. Tenders not complying with any of the provisions stated in this tender document are liable to be rejected. **Director, IUAC reserves the right to accept or reject any tender without assigning any reason and does not bind himself to accept the lowest tender.**
12. The contract shall be governed by the Indian Laws. Any dispute arising out of this contract will be subjected to jurisdiction of New Delhi / Delhi.

Accepted  
(Signature of Bidder)

## **Annexure-A**

### **TECHNICAL SPECIFICATIONS FOR BENCH TOP PLANETARY BALL MILL**

The planetary ball mill should be capable of grinding (or pulverizing, mixing, homogenizing, colloidal milling, mechanical alloying) soft, hard, medium-hard, brittle, fibrous, tough and moist materials in vertical axis.

1. Grinding station should be of single stage with two Stacking bowls facility.
2. Speed ratio should be in the range of 1-2.
3. Feed Size should not exceed 10 mm.
4. Final fineness should be 1  $\mu\text{m}$  for dry grinding & less than 0.1  $\mu\text{m}$  for colloidal or wet grinding.
5. Sample quantity range should be 10 ml minimum or more.
6. Effective diameter of main disk should be in the range of > 130 mm.
7. Maximum Rotational Speed of Main disk should not be lesser than 650 rpm.
8. Grinding jar rpm should be 1200rpm or more.
9. Centrifugal force should be in the range of (>30) x acceleration of gravity.
10. Motor Drive and Power Should be a 3-phase asynchronous motor with frequency converter and the power should 1200 W.
11. Grinding environment must have the capability of operating in both dry and wet Conditions.
12. Grinding jar made of Tungsten carbide material with 125 ml volume (1 number) and the grinding balls of Tungsten carbide Material 5mm (200 Nos.) and 3 mm (2000 nos.) as per jar required.
13. Programmable microprocessor controller with Coloured Display should have the facility of programming with programmable interval, Pause time and reverse direction (00:00:01 sec to 99:59:59 hr: min: sec).
14. Electrical Supply Should be single Phase, 230 V, 50 Hz with power consumption not exceeding 1250 W.
15. O ring for the Jar 3 No and one belt as spare.
16. Safety Closer Device for Wet Grinding (1 Nos.).
17. Adapter required for stacking of 2 Jar at a same time - (1 Nos.).
18. It should have provision to upgrade for grinding in controlled gas atmosphere
19. Features: Planetary ball mill should have the following features:
  - 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.
  - Powerful and quick grinding down to nano-range.
  
  - Perfect stability on lab bench with [FFCS technology](#).
  - Innovative counter weight and imbalance sensor for unsupervised operation.
  - Comfortable parameter setting via coloured display and ergonomic 1-button

operation.

- 10 SOPs can be stored.
- Power failure backup ensures storage of remaining grinding time.
- Measurement of energy input.
- Safety Slider for safe operation.
- Cooling fan or ventilation in grinding chamber for long time operations.
- Standards: CE (attach Certificate form OEM).
- IP protection or equivalent

Documentation Operation Manual, Safety precaution manual & Application Video should be provided along with the equipment.

**Optional Items**

- (a) Grinding jar made of Zirconia 125 ml (Quantity: 1)
- (b) Grinding ball of size 5 mm (Quantity: 400 No.)
- (c) Grinding ball of size 3 mm (500 gms.)
- (d) Grinding jar made of Tungsten carbide material (250 ml volume) having option of grinding in controlled gas atmosphere (Quantity: 1)

## TENDER ACCEPTANCE LETTER

(To be given on Company Letter Head)

Date: \_\_\_\_\_

To  
The Administrative Officer (S&P)  
Inter-University Accelerator Centre  
Aruna Asaf Ali Marg  
New Delhi-110 067.

Sub: Acceptance of Terms & Conditions of Tender.

Tender Reference No: \_\_\_\_\_

Name of Tender / Work: \_\_\_\_\_

Dear Sir,

We have downloaded / obtained the tender document(s) for the above mentioned  
'Tender/Work' from the web site(s) namely:

as per your advertisement, given in the above-mentioned website(s).

We hereby certify that we have read the entire terms and conditions of the tender documents from  
Page No. \_\_\_\_\_ to \_\_\_\_\_ (including all documents like annexure(s), schedule(s),  
etc .,), which form part of the contract agreement and we shall abide hereby by the  
terms / conditions / clauses contained therein.

The corrigendum(s) issued from time to time by your department/ organization too have  
also been taken into consideration, while submitting this acceptance letter.

We hereby unconditionally accept the tender conditions of above-mentioned tender  
document(s) / corrigendum(s) in its totality / entirety.

We do hereby declare that our Firm has not been blacklisted/ debarred by any  
Govt.Department/ Public sector undertaking.

We certify that all information furnished by our Firm is true & correct and, in the event, that  
the information is found to be incorrect/untrue or found violated, then your department/  
organization shall without giving any notice or reason therefore or summarily reject the bid  
or terminate the contract, without prejudice to any other rights or remedy including the  
forfeiture of the full said earnest money deposit absolutely.

Yours Faithfully,

(Signature of the Bidder, with Official Seal)