

# **INTER-UNIVERSITY ACCELERATOR CENTRE**

(An Autonomous Centre of UGC)  
Aruna Asaf Ali Marg, New Delhi-110 067

## **NOTICE INVITING E-TENDER**

TENDER NO: IUAC/NIT/49/SK/2019-20

Dated: 22/01/2020

### **Instructions for Online Bid Submission:**

Inter-University Accelerator Centre (IUAC), invites online bids through e-Procurement Portal under single bid system, viz., Technical and Financial bids together, from eligible and selected parties for the “**Fabrication and Supply of High Vacuum Chamber as per Drawing and Specifications.**”

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

Bids shall be submitted online only at CPPP website: <http://eprocure.gov.in/eprocure/app>. Bidders /Contractors 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 document.

IUAC reserves the right to accept / reject any/all tenders in part/full without assigning any reasons thereof.

Bidders are requested to note that they should necessarily submit their financial bids in the Standard .XLS BOQ Format provided with this tender document. The same is to be downloaded and to be filled and submitted it online without any modification. If the BoQ file is found to be modified by the bidder, the bid will be rejected.

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

<b><u>E-TENDER DOCUMENT</u></b>	
Name of Work	<b>Fabrication and Supply of High Vacuum Chamber as per the Drawing and Specifications</b>
Tender No.	IUAC/NIT/49/SK/2019-20
Tender Value (Estimate only)	Rs 4,00,000/- (Rupees Four lakhs only)
Tender Cost	NIL
Earnest Money Deposit	NIL
Bid Submission End Date	20/02/2020 at 3.00 p.m.
Bid Opening Date	21/02/2020 at 3.30 p.m.
Contact Persons	M. B. Joseph, Administrative Officer (S&P) e-mail: <a href="mailto:joseph@iuac.res.in">joseph@iuac.res.in</a> Phone: 011-24126018 & 24126022  Sugam Kumar e-mail: <a href="mailto:sugamkumar@gmail.com">sugamkumar@gmail.com</a> Phone: 011-24126018 & 24126022

### **GENERAL Terms & Conditions:**

1. **Submission of Bid** : Tenders should be uploaded on CPP Portal in Single Bid mode along with Price Bid.
2. The bidder should upload scanned copies of following documents:
  - (a) A copy of this NIT document fully signed and stamped as acceptance of all terms and conditions.
  - (b) Price Bid/BOQ in .XLS format
3. **Price Bid:**

In this bid the bidder is required to quote his item rates/prices for the works mentioned in the Scope of work up to IUAC basis, i.e. the rates/prices should be inclusive of all material cost, packing and forwarding charges, freight charges & insurance charges. IUAC will not supply any kind of material. The quoted prices should be **excluding** GST. IUAC is exempted from GST and necessary exemption certificate will be provided.

**4. Validity of Tender:** Tender shall be valid for our acceptance without any change in rates and NIT conditions for a period of 60 days from the date of opening of price bid.

**5. Escalation:** No escalation over and above items rates quoted by the bidder shall be paid during the execution of contract.

**6. Completion time:** The time shall be the essence of this contract and entire work as titled above is to be completed in all respects within a period **of three (3) months** from the date of issue of LOI / Purchase order by the centre. Any delay in completing the work for reasons attributable to the Contractor is liable to deductions on account of Liquidated damages @ 1% of the contract value per week will be deducted subject to a maximum of 10% of the total works. Under the force-majeure conditions or delay due to reasons beyond control of the contractor, IUAC may grant suitable time extension for which the contractor has to request along with the justification/ reasons well in advance to the Director, IUAC for approval without any prejudice to price escalation. No time extension request shall be considered after the expiry of completion period/contract. The decision of the IUAC, Director will be final and binding on the bidder/contractor.

**7. Scope of Work:** Detailed scope of work, Special terms and conditions, Technical specifications / Makes of materials etc. are enclosed with this NIT as per Annexure – I along with Drawing.

**8. Warranty:** The Chambers should be under warranty for a period of one year. Any component defects and material defects within this warranty period has to be repaired/replaced by the bidder free of cost.

**9. Workmanship:-**The supplied components should have excellent workmanship in all the aspects of fabrication.

**10. Deviations:** No deviation from the stipulated terms and conditions will be allowed. Tenders should be unconditional.

**11. Material Certificate:** Test certificate for the material (SS304) used has to be submitted before start of fabrication and during on-site delivery of the chambers. In addition test shall be conducted on samples from completed chambers.

**12. Correspondence:** All the correspondence in respect of tender/ contractual obligation shall be made to **A.O.(S&P), Inter-University Accelerator Centre, Post Box -10502, Aruna Asaf Ali Marg, New Delhi-110067.**

**13. Terms of Payment :** The payment shall be made on submission of the bills by the vendor after due certification by the IUAC person responsible for supervision of the work. 90% payment will be released after delivery and successful testing of the chambers at IUAC and 10% after warranty period. This 10% can also be released on submission of a performance bank guarantee of equal amount for one year. All payments shall be made after deduction of income tax at source and work contract tax applicable from time to time.

**14. IUAC reserves the right** to reject 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.**

**15. Termination of Contract:-** The Director, IUAC reserve the right to terminate the order on account of poor workman-ship, non-compliance of set norms/ specifications for the works, delay in progress of work, violation of any tender conditions by the vendor/bidder.

16. Any dispute arising out of this contract will be subjected to jurisdiction of New Delhi/Delhi.

**Accepted**

## ANNEXURE – 1

**Scope of work :** Supply of **One no.** of High Vacuum Chamber as per the drawings and specifications attached and following terms and condition:

1. All the components will be of S.S.304. The vendor will be required to submit the material test certificates from a recognized Laboratory before the start of fabrication.
2. Vacuum chamber assembly drawing is attached with the NIT for initial reference.
3. Quantity of each item required per Chamber is given in the drawings.
4. Complete set of detailed drawings, except standard components, will be supplied along with the Purchase order.
5. All flanges are of CFF Standard dimensions.
6. Only TIG welding is allowed and all the welding to be done from inside because the chamber will be used for High Vacuum purpose. Only tack welding can be given from outside.
7. There should not be any dent or scratch on inside surface of the chamber, knife edges of the CFF flanges, O ring grooves and the surfaces which seal the rubber O rings.
8. Overall length of the chamber has to be maintained within and accuracy of  $\pm 0.5$  mm
9. Overall perpendicular tolerance is  $\pm 0.2$  degree. Parallelism of end flanges should be within  $+0.1$ mm.
10. The vendor will be required to get all the components inspected from IUAC personnel before dispatch.
11. The vendor will be required to supply two sets of viton O-rings, one set of entire blank off flanges, good quality S.S.304 (socket head cap screws, hexagonal nuts & I-bolts) of the required quantity and sizes.
12. The chamber should be electro-polished from inside and outside.
13. Vacuum Testing:- The vacuum chambers will be subjected to leak testing in front of IUAC personnel once at vendor's site and once at IUAC site after delivery. The leak rate should be better than  $1 \times 10^{-9}$  mbar-liter/sec and ultimate vacuum should be better than  $1 \times 10^{-8}$  mbar.
14. The vendor is free to ask and clear any doubt from authorized IUAC personnel.

15. Minor changes in chamber design should be allowed without any extra cost.
16. Vendor can change the design for welding distortion point of view with prior approval of IUAC.
17. Bidders should clarify the scope of work by contacting IUAC personnel if any clarification is required before submitting the bid.

**Accepted**