

# **INTER - UNIVERSITY ACCELERATOR CENTRE**

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

## **NOTICE INVITING E - TENDER**

**Tender No: IUAC/NIT/32/PB/2018-19**

**Dated : 12/02/2019**

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 " **UHV All-Metal Gate Valve** ".

Tender Documents may be downloaded from Central Public Procurement (CPP) Portal <https://eprocure.gov.in/eprocure/app>.

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 / EMD as applicable. The Earnest Money Deposit (EMD) shall be in the form of demand draft issued in favour 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 format provided and no other format is acceptable.

Any Corrigendum / Amendments in respect of above tender shall be issued on IUAC website [www.iuac.res.in](http://www.iuac.res.in) and the website <https://eprocure.gov.in> only. Bidders should take into account any corrigendum published on the tender document before submitting their bids.

### **Prequalification of the bidder**

Only Original Equipment Manufacturer (OEM) or their authorized (sales and service) representatives are eligible to quote. The authorized representatives shall have to submit the

certificate of authorization from the OEM along with the Technical BID. The supplier must have supplied similar UHV All-metal Gate Valve to institutions and research laboratories in India. The supplier must provide user list along with the copy of few previous orders along with the technical bid.

### **E - TENDER DOCUMENT**

Name of Work / Supply	UHV All-metal Gate Valve
Tender Number	IUAC/NIT/32/PB/2018-19
Tender Value / Estimate	Rs. 75,00,000/- (Seventy five lakhs)
Earnest Money Deposit	Rs. 1,50,000/- (One lakh fifty thousand)
Bid Submission End Date and Time	14/03/2019 at 3:00 P.M.
Technical Bid Opening Date ( Part - A )	15/03/2019 at 3:30 P.M.
Price Bid Opening Date ( Part - B )	To be intimated later on to the technically qualified bidders
Address for contact	M. B. Joseph, Administrative Officer (S&P), Inter University Accelerator Centre, Aruna Asaf Ali Marg, New Delhi - 110067 E-mail: joseph@iuac.res.in Phone: 9868827912
Place of opening of the Tender	Committee Room / Council Room, IUAC
Tender Document Fee	Rs. 500/-

#### **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. The bidders are required to upload the scanned copies of entire NIT (except for the price bid part), duly signed & stamped as a token of acceptance of the NIT conditions, with this bid.

**(a)** Documents showing the company profile, organizational setup, credentials and copies of successfully executed similar work orders ( minimum two orders of value not less than Rs. 10 lakhs) for reputed laboratories / institutes in India / abroad during the last five years.

**(b)** Drawings, test results, catalogues and other technical specifications of the products indicating its ability to meet the technical specifications as per **Annexure-A**. The vendor should download the technical specifications compliance sheet (as given in Annexure A) and should upload filled and duly signed sheet.

(c) The vendor should confirm that there is authorized service support in India for the quoted items. Detailed address and authorization certificated for service support should also be attached in the bid.

(d) User list along with copy of previous orders.

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 his unconditional rates on FOB basis in the format provided and no other format is acceptable.

4) **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.

5) **Escalation / Deviation :**

No escalation or deviation shall be allowed till execution of order / contract.

6) **Terms of Payment :**

***For Import:*** Letter of Credit will be opened for 100 % of FOB value after receipt of acceptance of order from successful bidder. 100% payment will be made through Letter of Credit against complete shipping of materials/goods followed by submission of complete shipping documents. Sight draft can also be made on vendor's request.

***For Indigenous Supply:*** 100 % payment after the delivery goods at IUAC and its certification.

7) **Delivery Period:**

90 days from the date of opening of LC for imports and date of placement of purchase order for indigenous supply.

8) **Warranty/Guarantee:** The supplier has to give one year of warranty/Guarantee of items supplied from manufacturing/engineering defects etc. During this period, if any repair/rectification is needed, the same shall be made free of cost

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) Bids not covering full scope of work/supply of the products/goods will be rejected and

only complete bids will be considered.

- (d) If BOQ file is found to be modified by the bidder, the bid will be rejected.
- (e) Bids received after tender [Technical Bid (Part-A)] opening date will be rejected.
- (f) Tenders not complying with any of the provisions stated in this tender document are liable to be rejected.
- (g) If the General Terms and conditions are not accepted and not signed by the bidders, then the respective bids will 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**

1. **Description of the item :** Ultra High Vacuum all metal gate valve
2. **List of UHV Gate valves :**

Item No	Description	Qty
1	All metal DN 40 CF, Electro pneumatic gate valve with position indicator with extended actuator. Solenoid voltage 230V AC, 50 Hz.	10
2	All metal DN 160 CF, Manual Gate valve with position indicator.	1
3	All metal DN 100 CF, Electro pneumatic gate valve with position indicator with extended actuator for turbo pump isolation. Solenoid voltage 230V AC, 50 Hz.	1

#### **Technical Specifications for UHV Gate Valves:**

- Bellow sealed all-metal gate type isolation valves for UHV systems.-
- Molecular flow conductance  $\geq 1400$  l/s ( for 100CF ) pneumatic,  $\geq 4200$  l/s ( for DN 160CF ) manual &  $\geq 100$  l/s ( for DN40 CF ) for pneumatic.
- Opening & closing by double acting pneumatic actuator for pneumatic type & by hand wheel for manual actuator.
- Radiation Resistance:
  - Valve body, mechanism, bellows:  $10^8$  Gy, bakeable to  $300^\circ\text{C}$ .
  - Pneumatic actuator: extended:  $10^5$  Gy, bakeable to  $200^\circ\text{C}$ .
  - Manual actuator:  $10^5$  Gy, bakeable to  $200^\circ\text{C}$ .
- Valve Body bake able to  $300^\circ\text{C}$  in open and closed position  
Manual actuator / Pneumatic actuator bakeable up to  $200^\circ\text{C}$ .
- Cycles until first service 20 000
- Leak rate valve body, valve seat  $< 1 \cdot 10^{-10}$  mbar ls<sup>-1</sup>
- Body & bellow material—316L Stainless steel
- Seal: Metal (All metal Hard to Hard sealing for gate).
- Mounting position : Any
- Solenoid:
  - voltage: 230 V / 50 Hz
  - Bake out Temperature: 80 Deg. C
- Position indicator:
  - Bake out Temperature: 200 Deg. C
  - contact rating : Voltage  $\leq 50$  V AC / DC,  $200^\circ\text{C}$  Current  $\leq 1.0$  A
- Air Pressure --- pneumatic operation with 4 – 8 bar.
- Differential pressure on gate : 2 bar in either direction
- Closing time:  $\leq 1.5$  sec (for DN40) /  $\leq 4.0$  sec (for DN100)

## Compliance Sheet for Technical Specifications

S.No	Specifications	Required values	Offered Values
1	Bellow sealed all-metal gate type isolation valves for UHV	Bellows sealed	
2	Leak rate valve body , valve seat	$< 1. 10^{-10}$ mbar ls <sup>-1</sup>	
3	Molecular flow conductance		
	DN 100 valve	$\geq 1400$ l/s	
	DN 160 valve	$\geq 4200$ l/s	
	DN 40 valve	$\geq 100$ l/s	
4	Opening & closing		
	Pneumatic valve	double acting pneumatic actuator	
	Manual valve	by hand wheel	
5	Radiation resistance and bake out temperature Valve Body, Mechanism, bellows	$10^8$ Gy, upto 300°C	
6	Bake out temperature Manual / Pneumatic actuator	200°C	
7	Cycles until first service	20,000	
8	Position Indicator Contact Rating:	Voltage: $\leq 50$ V AC / DC 200°C, Current: $\leq 1.0$ A	
9	Valve Body, Mechanism & bellow material	316L Stainless steel	
10	Mounting position	Any	
11	Differential pressure on the gate	$\leq 2$ bar	
12	Seal: gate	Metal (All metal Hard to Hard sealing)	
13	Closing Time		
	DN 40 Valve	$\leq 1.5$ s	
	DN 100 Valve	$\leq 4.0$ s	
14	Air Pressure for Pneumatic operation	4 to 8 bar	

Name & Signature of Tenderer

Company with Seal

**Annexure - B**

**(Price should be quoted in the standard BOQ format of this tender)**

**BOQ / PRICE BID**

Tender Inviting Authority: INTER UNIVERSITY ACCELERATOR CENTRE

Name of Work/Supply : SUPPLY OF UHV ALL METAL GATE VALVE

Tender Number : IUAC/NIT/32/PB/2018-19

Name of Bidder : \_\_\_\_\_

Sl #	Description	Quantity Required	Unit Price	Currency [USD/EURO/ INR]	Total Price
1	UHV All - metal Gate Valve				
1.01	DN40 CF, electro pneumatic as per tender specifications	10			
1.02	DN160 CF, manual as per tender specifications	1			
1.03	DN100 CF, electro pneumatic as per tender specifications	1			
1.04	Packing and forwarding charges (if any)	1			
1.05	FOB charges (if any)	1			
1.06	Any other charges other than above	1			
	TOTAL FOB PRICE				

Name & Signature of Tenderer

Company with Seal