

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

NOTICE INVITING E - TENDER

Tender Number : IUAC/NIT/40/BK/2018-19

Dated : 26/02/2019

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 " **SUPPLY OF MOBILE PUMPING SYSTEM**".

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

Bidders are advised to note that they should necessarily submit their financial bids in the format provided and no other format is acceptable. If the price bid has been given as a standard BOQ format with the tender document, then the same is to be downloaded and to be filled and submit online without modifying the format.

Any Corrigendum / Amendments in respect of above tender shall be issued on IUAC website 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 BID. The supplier must have supplied pumping systems 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	Supply of Mobile Pumping System
Tender Number	IUAC/NIT/40/BK/2018-19
Tender Value / Estimate	USD \$13000.00 (Rs. 8,95,000/-)
Earnest Money Deposit	Rs 18,000/ (Applicable to Indigenous Suppliers)
Bid Submission End Date	19/03/2019 at 3:00 P.M.
Technical Bid Opening Date (Part - A)	20/03/2019 at 3:30 P.M.
Price Bid Opening Date (Part - B)	To be intimated later on to the technically qualified bidders
Address for submission of Tenders	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: 011-24126018 & 24126022
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. 5 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**.

(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.

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 the FOB price of item as per format provided in **Annexure - B**. The bidders should upload the scanned copy of the BOQ. The bidder should quote unconditional rates, neatly written without any overwriting and duly signed & stamped. The bidder may have to provide a certificate with the price bid mentioning that the price quoted by them is not higher than that the price quoted by them to other laboratories/institutes in India / abroad for similar product during last year. The BOQ file must not be modified.

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 delivery at IUAC.

7) **Earnest Money Deposit:** The indigenous supplier should deposit an EMD of ₹ 18000/- before opening the technical bid. The EMD shall be only in the form of Bank Draft in the name of "Inter-University Accelerator Centre", payable at "New Delhi". No cheque / cash shall be accepted as EMD. EMD of technically disqualified and unsuccessful bidders will be returned within 15 days from the date of price bid opening. EMD of successful bidder will be released on successfully delivery of the system at IUAC, Delhi.

8) Delivery Period:

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

7) 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.

8) 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 of some part of the product will be rejected.

(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 tender will be rejected.

9) 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 :** Mobile pumping system

2. **List of Goods :**

Item No	Description	Qty
1	Turbo molecular pump	1
2	Dry oil free roughing/ Backing pump	1
3	Pirani vacuum gauge with Flange: DN 25KF and Measurement range from 1000 mbar to 5×10^{-4} mbar	2
4	Cold cathode gauge: Flange: DN25KF, Measurement range from 10^{-2} mbar to 10^{-9} mbar.	1
5	Display control unit: Operating voltage: 220-240 VAC, 50 Hz	1
6	Sensor cables of 5 mtrs length for connecting the gauges	3

TECHNICAL SPECIFICATION OF THE PUMPING SYSTEM

Vendors are requested to quote for Mobile Turbo molecular pumping station and accessories with FCA price basis, detailed specifications of the components are as mentioned below:

Mobile Turbo molecular pumping station consisting of Turbo pump (≥ 80 l/s) along with Dry oil free backing pump (at least $20\text{m}^3/\text{h}$) and with vacuum sensors with display unit.

Detailed specifications for Turbo molecular pump with backing pump and vacuum measurement unit are:

1 Turbo Molecular Pump with the following specifications: **Qty 1 no.**

- Pumping speed (for N_2): ≥ 80 l/s
- Protection category: IP 54
- The TMP pump should be with integrated drive unit.
- Inlet flange: DN 63 CF-F.
- Outlet flange: DN 16 or DN25 ISO KF
- Ultimate pressure: $< 5 \times 10^{-9}$ mbar
- The pump should be supplied with suitable display control unit and necessary cables.
- Accessories like air cooling kit, venting valve, and Inlet Screen etc. should be included
- The turbo pump should have maintenance free, permanent magnetic bearing at High Vacuum Side, and oil lubricated ceramic bearing at the bottom side.
- The pump should have protections related to monitoring of temperatures of bearing, motor & Control electronics to trip the pump in case of excess temperature.

- 2 Dry oil free roughing/ Backing pump: **Qty - 1 No.**
- Dry vacuum Pump either Multi stage Roots or Dry Scroll type.
 - Peak pumping speed: ~ At least 20 m³ /h
 - Flange connection: Inlet port: DN 25 ISO KF, Outlet port: DN 25 ISO KF
 - Ultimate Vacuum: $\leq 3 \times 10^{-2}$ mbar
 - Cooling system: Air cooled
 - No oils or greases of any kind should expose to vacuum side.
 - No bearings or shaft seals in the pumping volume.
 - Fitted exhaust silencer
 - Integrated frequency converter.
- 3 (a) Pirani vacuum gauge with Flange: DN 25KF and Measurement range from 1000 mbar to 5×10^{-4} mbar: **Qty 2 no.**
- (b) Cold cathode gauge with Flange: DN 25KF and Measurement range from 10^{-2} mbar to 10^{-9} mbar. Full range gauge is not acceptable. : **Qty 1 No.**
- (c) Display control unit: Operating voltage: 220-240 VAC, 50 Hz, **Qty : 1 No.**
- (d) Sensor cables of 5 mtrs length for connecting the gauges: **Qty 3 nos.**

Both the above mentioned (Sr.1 ,Sr.2 & Sr.3) pumps should be fitted on a mobile trolley (with handle and castor wheels). A fore vacuum safety valve for protection of the turbo pump should be installed.

After Sale Service Facility: -

In case of break down, minor repair of turbo & dry pump like bearing replacement, tip seal replacement, etc should be possible at site. The vendor should have Service Centre/Facility and complete infrastructure within India to handle complete repairs of the turbo pump, such as, changing of stator / rotor assembly etc. and availability of critical spares off the shelf from Indian office.

Compliance Sheet for Technical Specifications

S.No	Specifications	Required values	Offered Values
1	Pumping speed of turbo	$\geq 80\text{l/s}$	
2	Ultimate pressure of Turbo with dry pump	$< 5 \times 10^{-9}$ mbar	
3	Peak pumping speed of dry pump	≥ 20 m ³ /h	
4	Ultimate pressure of dry pump	$\leq 3 \times 10^{-2}$ mbar	
5	Turbo Flange connection	Inlet DN 63 CF-F	
		Outlet DN 16 or DN25 ISO KF	
6	Dry Pump Flange connection	Inlet DN 25 ISO KF	
		Outlet DN 25 ISO KF	
7	Pirani vacuum gauge: Flange and measurement range	DN25KF, Measurement range from 1000 mbar to 5×10^{-4}	
8	Cold cathode gauge: Flange and measurement range	DN25KF, Measurement range from 10^{-2} mbar to 10^{-9}	
9	Display control unit: Operating voltage	220-240 VAC, 50 Hz	
10	Sensor cables' length	5 meter	
11	Cooling of dry pump	Air cooled	
12	Protection category of Turbo	IP 54	

Name & Signature of Tenderer

Company with Seal

Annexure - B

PRICE BID/BOQ

(Price should be quoted in the BOQ Format)

Tender inviting authority: INTER UNIVERSITY ACCELERATOR CENTRE

NAME OF WORK/SUPPLY: MOBILE PUMPING SYSTEM

TENDER REFERENCE NUMBER: IUAC/NIT/40/BK/2018-19

Name of Bidder: _____

Sl. NO	Description of items	Quantity required	Price/unit	Currency (INR/ USD/EURO/GBP)	Total price
1	Turbo Molecular Pump	1			
2	Dry oil free roughing/ Backing pump	1			
3	Mobile trolley	1			
4	Pirani vacuum gauge with Flange	2			
5	Cold cathode gauge	1			
6	Display control unit	1			
7	Sensor cables of 5 mtrs length for connecting the gauges	3			
8	Packing and forwarding charge if any				
9	FOB charges if any				
10	Any other charges other than above				
11	Total FOB price				
12	Taxes for indigenous supply.				
13	Miscellaneous charges for indigenous supply				

Name & Signature of
Tenderer Company with seal