भारतीय विज्ञान शिक्षा एवं अनुसंधान संस्थान मोहाली

मानव संसाधन विकास मंत्रालय, भारत सरकार द्वारा स्थापित

सैक्टर 81,नॉलेज सिटी,पॅ ओ॰ मनोली, एस॰ ए॰ एस॰ नगर,मोहाली, पंजाब 140306

INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH MOHALI

(Established by Ministry of Human Resource Development, Govt. of India)

Sector-81, Knowledge city, PO-Manauli, SAS Nagar Mohali-140306, Punjab

PAN No. - AAAAI1781K TAN No. PTLI10692D

• **Phone : +91-172-2240086 & 2240121** • **Fax : +91-172-2240124, 2240266** • **http://www.iisermohali.ac.in** • **Email:** stores@iisermohali.ac.in

CPPP/Institute Website

IISERM (839)17/18-Pur Dated : 23.08.2017

NOTICE INVITING E-TENDER

Online tenders are invited on behalf of Director, IISER Mohali in **TWO BID SYSTEM** {Techno-Commercial} for the **Supply and installation of Turbo Molecular Pump & Wide range Gauge** as per technical specification given below and BOQ list the original manufacturer/supplier at CPPP i.e. **https://eprocure.gov.in/eprocure/app**. Tender documents may please be downloaded from the E-procurement portal website **https://eprocure.gov.in/eprocure/app**& Institute website **www.iisermohali.ac.in.**

-sd-

(Mukesh Kumar)

Assistant Registrar (S&P)

भारतीय विज्ञान शिक्षा एवं अनुसंधान संस्थान मोहाली

मानव संसाधन विकास मंत्रालय, भारत सरकार द्वारा स्थापित

सैक्टर 81,नॉलेज सिटी,प॰ ओ॰ मनोली, एस॰ ए॰ एस॰ नगर,मोहाली, पंजाब 140306

INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH MOHALI

(Established by Ministry of Human Resource Development, Govt. of India)

Sector-81, Knowledge city, PO-Manauli, SAS Nagar Mohali-140306, Punjab

PAN No. - AAAAI1781K TAN No. PTLI10692D

• **Phone : +91-172-2240086 & 2240121** • **Fax : +91-172-2240124, 2240266** • **http://www.iisermohali.ac.in** • **Email:** stores@iisermohali.ac.in

CPPP/Institute Website

E-TENDER NOTICE

Tender Ref.- IISERM(839)17/18-Pur	Dated :- 23rd August 2017

Critical Date Sections

Sr.	Description	Date	Time
1.	Tender Publishing Date and time	23rd August 2017	6:00pm
2.	Tender Document download start Date & Time	23rd August 2017	6:00pm
3.	Bid Submission start Date &Time	23rd August 2017	6:00pm
4.	Bid Submission End date and Time	12th Sept , 2017	Up to 11:00am
5.	Tender opening Date and Time	13th Sept , 2017	At 11.30 am

Online tenders are invited on behalf of Director, IISER Mohali in **TWO BID SYSTEM** {Technical and Commercial separately} for following item(s) from the original manufacturer/supplier at CPPP i.e.3**https://eprocure.gov.in/eprocure/app**. Tender documents may please be downloaded from the E-procurement portal website **https://eprocure.gov.in/eprocure/app**& Institute website **www.iisermohali.ac.in.**Tender fee in shape of DD/Banker Cheque of Rs 500/- (Non-refundable) and EMD of Rs.2000/- should be submitted by DD /Banker Cheque/FDR/ Bank Guarantee in favour of the Registrar, IISER Mohali payable at Mohali. However, scanned copy of the both tender fee and EMD should be upload on website along with technical bid part. The hard copy of the same in original to be send to the address mentioned below duly superscribing the supply/work name and reference/ tender ID on the envelope and same must reach before opening the bid and if not received within due date the bid will be rejected summarily.

The Original EMD and tender fee should be sent to:

Assistant Registrar (S&P)
Indian Institute of Science Education and Research,
Mohali Sector 81, SAS Nagar, Mohali, Punjab, India,
Pin: 140306

Non-receipt of original EMD and tender fee will lead to rejection of tender.

Item Details:

Sr. No.	Details of Specifications of the Stores	Qty.
1	**Supply and installation of Turbo Molecular Pump** **Technical Specifications: KINDLY REFER ANNEXURE-1**	01 No
2.	**Supply and installation of Wide range Gauge** **Technical Specifications: KINDLY REFER ANNEXURE-1**	02 Nos.

SUBMISSION OF TENDER

I. All bid/ tender documents are to be uploaded online at Central Public Procurement portal i.e. **https://eprocure.gov.in/eprocure/app** only and in the designated cover/ part on the website against tender ID. Tenders/ bids shall be accepted only through online mode and no manual submission of the same shall be entertained except tender fee and EMD. Late tenders will not be accepted.

II. The online bids shall be opened at the office of the Assistant Registrar (P&S), IISER Mohali, on above given date and time. If the tender opening date happens to be on a holiday or non-working day due to any other valid reason, the tender opening process will be attended on the next working day at same time and place. IISER Mohali will not be responsible for any error like missing of schedule data while downloading by the Bidder.

III. The bidder shall upload the tender documents duly filled in and stamped by the authorized signatory on each and every page. Tender not submitted/uploaded in the prescribed form and as per the tender terms and conditions shall be liable for rejection.

IV. The bidder shall upload scanned copy of the PAN Card, GST number VAT return, Service tax registration number duly signed and stamped.

V. E-procurement system ensures locking on the scheduled date and time. The system will not accept any bid after the scheduled date and time of submission of bid.

INSTRUCTIONS

1. The Online bids should be submitted directly by the original manufacturer/supplier, If quotation is submitted/filled by any representative/agent/dealer then they must upload a authority certificate from the principal company for quoting the price otherwise such quotation will be rejected.

2. The quantity mentioned in this inquiry is and shall be deemed to be only approximate and will not in any manner be binding on the Institute. Before the deadline for submission of the online bid, IISER Mohali reserves the right to modify the tender document terms and conditions. Such amendment/modification will be notified on website against said tender ID.

3. The rates offered should be FOR Chandigarh/Mohali in case of firms situated outside Chandigarh/Mohali, and free delivery at the Institute premises in case of local firms. Supplier from outside India should mention the Ex-works/FOB/FCA/CIF/CIP price clearly. Conditional tenders will be summarily rejected.

4. In case of Ex-godown terms the amount of packaging forwarding freight etc. should clearly be indicated by percentage or lump sum amount. Institute has policy not to make any advance payments towards any purchase, Letter of credit can be opened if required.

5. THE INSTITUTE IS EXEMPTED FROM EXCISE AND CUSTOM DUTY under notification no-TU/V/RG-CDE(1062)1 201–CUSTOM DATED 30.08.2016.

6. Tax: This Institute is not exempted from the payment of GST. The current rate (i.e. percentage of GST should be clearly indicated included or excluded) wherever chargeable. Please also provide/upload the copy of PAN card, GST number duly self-attested.

7. The delivery period should be specifically stated. Earlier delivery will be preferred.

8. The firms are requested to provide/upload detailed description and specifications together with the detailed drawings, printed leaflets and literature of the article quoted. The name of the manufactures and country of manufacture should also invariably be stated. In the absence of these particulars, the quotation is liable for rejection.

9. Validity of offer: 90 days. The warranty period after satisfactory installation should be mentioned and firm should replace all manufacturing defect parts/ whole item under warranty without any extra cost including clearance, freight, taxes. Security deposit/ Bank Performance Guarantee @ 10 % of the value of supply order as per norms may be sought from the firms.

10. The right to reject all or any of the quotation and to split up the requirements or relax any or all the above conditions without assigning any reason is reserved by the IISER Mohali. For any corrigendum and addendum please be checked the website https://eprocure.gov.in/eprocure/app and http:/www.iisermohali.ac.in

11. Disputes, if any, shall be subject to jurisdiction in the court of Mohali only.

–sd/-
(Mukesh Kumar)
Assistant Registrar (S&P)

ANNEXURE-1

1) SPECIFICATION FOR TURBO PUMP WITH ITS CONTROLLER

Inlet flange	KF-25 and KF 40
Outlet flange	DN25NW
Pumping speed should be	
$N_2 \geq 300$ l/s	
He ≥ 340 l/s	
$H_2 \geq 280$ l/s	
Compression ratio	
$N_2 \geq 1 \times 10^{11}$	
He ≥ 1×10^{6}	
$H_2 \geq 5 \times 10^{4}$	
Ultimate pressure with RV backing pump	6×10^{-8} to 5×10^{-10} mbar
Vent port	1/8 inch BSP female with **leak** valve
Purge port	1/8 inch BSP female
Water cooling (water at 15°C, ambient temp at 40°C)	95 sccm
Forced air cooled, 35 °C ambient	115 sccm
Pump rotational speed	
Nominal rotational speed	60000 rpm
Standby rotational speed	Variable from 33000 to
	60000 rpm (42000 rpm default)
Programmable power limit settings	Variable from 50-200W (160W
	default)
Start time to 90% speed	145 sec

Cooling method	Air / water
Ambient air temp for forced air cooling	5 - 35°C
Min cooling water flow rate (water 15°C)	15 l/h
Water temp range	10 - 20°C
Max inlet flange temp	80°C
Noise level at 1 metre	<45 dB(A)
Max magnetic field pump can tolerate	5 mT

2) SPECIFICATION FOR WIDE RANGE GAUGE	
Pressure range	Atmosphere to 10^{-9} mbar/Torr
Accuracy	Typically ±15% <100 mbar and
	±30%<10 -3 mbar
Maximum over pressure	6 bar absolute (87 psia)
Power supply	+14.5 to +36 V d.c.
Power consumption	2 W maximum
Output signal	1.8 to 10.2 V d.c.
Adjustments	Atmosphere and setpoint
Maximum voltage	40 V d.c.
Current	100 mA maximum
Temperature range	
Operating	+5 to +60 ^{o}C
Storage	0 to +70 ^{o}C
Materials exposed to vacuum (Both NW and CF versions)	Stainless steel (AISI 304, 316,
	321, 347), Fluoroelastomer, soda

	lime glass, Tungsten, trace of
	Nickel and Nickel Iron
External interface connector	8-way FCC68 / RJ45 Socket
Calibration	There should be option in the controller
	to measure pressure of different kind of
	gases such as helium, Nitrogen, CO_2 etc

- There should be single controller for turbo molecular pump and gauge.