



# 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](mailto:stores@iisermohali.ac.in)

*CPPP/Institute Website*

IISERM(767)17/18-Pur

Dated :02.05.2017

## **NOTICE INVITING E-TENDER**

Online tenders are invited on behalf of Director, IISER Mohali in **TWO BID SYSTEM** {Techno-Commercial} for the supply & installation of magnetic stirrer and Vacuum Pumps 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](http://www.iisermohali.ac.in).

-sd-

(Mukesh Kumar)  
Assistant Registrar (S&P)



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### **E-TENDER NOTICE**

Tender Ref.- IISERM(767)17/18Pur

Dated :- 02<sup>nd</sup> May 2017

#### **Critical Date Sections**

Sr.	Description	Date	Time
1.	Tender Publishing Date and time	02 <sup>nd</sup> May 2017	6:00pm
2.	Tender Document download start Date & Time	02 <sup>nd</sup> May 2017	6:00pm
3.	Bid Submission start Date & Time	02 <sup>nd</sup> May 2017	6:00pm
4.	Bid Submission End date and Time	16 <sup>th</sup> May, 2017	Upto 11:00am
5.	Tender opening Date and Time	17 <sup>th</sup> May 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. <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](http://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.	<p><b>Magnetic Stirrer (with temperature control)</b> (From <b>DLAB/ IKA/ HIEDOLPH</b>)</p> <p><b>Technical Specifications:</b> Stainless steel cover with ceramic plate and metal housing provides high chemical resistance Maintenance free Brushless DC motor The "HOT" warning will flash when the plate temperature is above 50°C even if when the hotplate is turned off The high-resolution LCD display shows actual temperatures and speed Provide pc control and data transmission Digital temperature control with Max. temperature at 340°C Digital speed control with Max. speed up to 1500rpm Max. stirring quantity of H2O at 20L Safety circuits provide overheating protection The high-resolution LCD display shows actual temperatures and speed</p> <table border="1" data-bbox="327 840 1305 1594"> <tr><td>Work plate dimensions</td><td>φ135mm ( 5 inch )</td></tr> <tr><td>Work plate material</td><td>stainless steel cover with ceramic</td></tr> <tr><td>Motor rating input</td><td>18W</td></tr> <tr><td>Motor rating output</td><td>10W</td></tr> <tr><td>Power</td><td>550W</td></tr> <tr><td>Heating output</td><td>500W</td></tr> <tr><td>Voltage</td><td>100-120/200-240V 50/60Hz</td></tr> <tr><td>Stirring positions</td><td>1</td></tr> <tr><td>Max. stirring quantity[H2O]</td><td>20L</td></tr> <tr><td>Max. magnetic bar[length]</td><td>80mm</td></tr> <tr><td>Speed range</td><td>100-1500rpm, resolution±1rpm</td></tr> <tr><td>Speed display</td><td>LCD</td></tr> <tr><td>Temperature display</td><td>LCD</td></tr> <tr><td>Heating temperature range</td><td>Room temp.~340°C, increment 1°C</td></tr> <tr><td>Temperature control accuracy</td><td>±1°C(&lt;100°C); ±1%(&gt;100°C)</td></tr> <tr><td>Over temperature protection</td><td>360°C</td></tr> <tr><td>Temperature display accuracy</td><td>±0.1°C</td></tr> <tr><td>External temperature sensor</td><td>PT1000 (accuracy ±0.2)</td></tr> <tr><td>Hot warning</td><td>50°C</td></tr> <tr><td>Data connector</td><td>RS232</td></tr> <tr><td>Protection class</td><td>IP42</td></tr> <tr><td>Dimension [W x D x H]</td><td>160x280x85mm</td></tr> <tr><td>Weight</td><td>2.8kg</td></tr> <tr><td>Permissible ambient temperature and humidity</td><td>5-40°C, 80%</td></tr> </table> <p>Vendor must provide valid Authorization Certificate Vendor should have supplied in Govt./Autonomous bodies etc. with satisfactory report.</p>	Work plate dimensions	φ135mm ( 5 inch )	Work plate material	stainless steel cover with ceramic	Motor rating input	18W	Motor rating output	10W	Power	550W	Heating output	500W	Voltage	100-120/200-240V 50/60Hz	Stirring positions	1	Max. stirring quantity[H2O]	20L	Max. magnetic bar[length]	80mm	Speed range	100-1500rpm, resolution±1rpm	Speed display	LCD	Temperature display	LCD	Heating temperature range	Room temp.~340°C, increment 1°C	Temperature control accuracy	±1°C(<100°C); ±1%(>100°C)	Over temperature protection	360°C	Temperature display accuracy	±0.1°C	External temperature sensor	PT1000 (accuracy ±0.2)	Hot warning	50°C	Data connector	RS232	Protection class	IP42	Dimension [W x D x H]	160x280x85mm	Weight	2.8kg	Permissible ambient temperature and humidity	5-40°C, 80%	6 Nos.
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2.	<p><b>Vacuum Pump [FD6 Vacuum Pump]</b></p> <ol style="list-style-type: none"> <li>1. With lower oil consumption</li> <li>2. Robust &amp; compact</li> <li>3. Improved vapour handling performance</li> <li>4. Performance testing in accordance with Pneurop 660</li> <li>5. Quiet operation/ Minimal vibration/ improved inlet port to give maximum flow</li> <li>6. Forced oil lubrication system with built in oil vane pump enabling high performance down to 10<sup>-3</sup> mbar.</li> </ol>	4 Nos.																																																

<b>Technical Specifications</b>		
	<b>Pump Model</b>	<b>FD6</b>
Nominal pumping speed	M3/hr	6
	cfm	3.5
	L/min	100
Ultimate pressure	Gas Ballast Closed-mbar (Torr)	2x10 <sup>-3</sup> (1.5x10 <sup>-3</sup> )
	Gas Ballast Open-mbar (Torr)	5x10 <sup>-2</sup> (3.75x10 <sup>-2</sup> )
Pump rotational speed at no-load	rpm	1440
Maximum nominal speed	kW	0.37
	HP	0.5
	Phase	1 and 3
	Power supply	230v± 10%; 50Hz ± 5% for single Phase 410V ± 10%; 50Hz± 5% for Three Phase
Weight	kg (lb)	27 (59.4)*
Oil capacity	Litres	0.7
Inlet connection	KF	KF-25
Outlet connection	KF	KF-25
Recommended Oil		HHVP Molecular Distilled Oil Grade MD-504

## **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 TIN number, PAN Card, VAT registration certificate/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- 51/96 – CUSTOM DATED 23/7/1996 AND DSIR REGISTRATION NO TU/V/RG/- CDE(1062)/2011 DT. 02/09/2011 / EXCISE NOTIFICATION NO. 10/97- CENTRAL EXCISE DT. 01.03.1997.
6. Tax: This Institute is not exempted from the payment of Sales Tax/Service Tax/VAT. The current rate (i.e. percentage of Sales Tax should be clearly indicated included or excluded) wherever chargeable. Please also provide/upload the copy of PAN card, TIN number, Service tax number, Sales tax 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)