



# भारतीय विज्ञान शिक्षा एवं अनुसंधान संस्थान मोहाली

मानव संसाधन एवं विकास मंत्रालय, भारत सरकार द्वारा स्थापित  
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IISERM(602)15/16 Pur

21<sup>st</sup> October 2015

## NOTICE INVITING QUOTATION

Sealed Quotations in **TWO BID SYSTEM** are invited on behalf of The Director IISER Mohali for following items along with EMD money by DD /Banker Cheque/ FDR/ Bank guarantee for Rs 10000/- and tender fee of Rs 500/- (separately non re-fundable) in favour of the Registrar, IISER Mohali, payable at Mohali/Chandigarh so as to reach us latest by **12<sup>th</sup> November 2015** before 1pm and will be opened on the same day at 4pm. in the presence of tenderers, if any:-

Sr.	Description	Qty
01	<p><b><u>Gel dryer system including pump</u></b></p> <p>A dry heat vacuum based gel dryer for safe, even and rapid drying of polyacrylamide and agarose gels. The heater should be controlled thermostatically and should be in the range of 40-85 °C (±5°C). The heating element should in the range of 750-1000W.</p> <p>An independent pump, quiet, oil free diaphragm pump with liquid inlets and outlets. The pump should be of high quality and able to create vacuum – psi. The pump capacity should be in the range of 550-750 watt.</p> <p>The dimension of gel dryer unit should be (w x h x d) 55 (±2) x 8 (±2) x 41 (±3) cm.</p> <p>The machine should be certified by international safety certifications such as EN and UL.</p> <p>The unit should include gel dryer unit with silicone rubber cover sheet to cover the unit.</p> <p>Appropriate quality vacuum tubing up to 3-4 meter. Porous polyethylene cover sheet.</p> <p>The unit should have appropriate provision of plugging in Indian supply line.</p> <p>In addition supply, filter paper sheets 30x40cm (200 sheets),</p> <p>The information for the above specification needs to be provided in the form of original brochure by the firm at the time of submitting bid. A vendor will be qualified technically when the same is technical specification verified on their web page.</p> <p>Suitable durable plastic pipe at least 2 meters should be provided for full functionality of the instrument.- Specification Attached</p>	1+1

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

## **Technical specification for Vacuum base gel dryer system.**

### **Gel dryer**

1. A dry heat vacuum based gel dryer for safe, even and rapid drying of polyacrylamide and agarose gels. The heater should be controlled thermostatically and should be in the range of 40-85 °C ( $\pm 5^\circ\text{C}$ ). The heating element should be in the range of 750-1000W.
2. An independent pump, quiet, oil free diaphragm pump with liquid inlets and outlets. The pump should be of high quality and able to create vacuum – psi. The pump capacity should be in the range of 550-750 watt.
3. The dimension of gel dryer unit should be (w x h x d) 55 ( $\pm 2$ ) x 8 ( $\pm 2$ ) x 41 ( $\pm 3$ ) cm.
4. The machine should be certified by international safety certifications such as EN and UL.
5. The unit should include gel dryer unit with silicone rubber cover sheet to cover the unit. Appropriate quality vacuum tubing up to 3-4 meter. Porous polyethylene cover sheet.
6. The unit should have appropriate provision of plugging in Indian supply line.
7. In addition supply, filter paper sheets 30x40cm (200 sheets),
8. The information for the above specification needs to be provided in the form of original brochure by the firm at the time of submitting bid. A vendor will be qualified technically when the same is technical specification verified on their web page.
9. Suitable durable plastic pipe at least 2 meters should be provided for full functionality of the instrument.

### **One vacuum pump for gel dryer**

1. The instrument should be designed in accordance with the EN61010-1:2001 electrical safety standard.
2. The instrument should be resistant to water vapor, acid fumes, and gel staining solution vapours. Two catchpots capture condensate should be attached to the pump, one at the pump inlet and other at the outlet. Catchpot should be held in place by a single clamp for quick and easy removal and cleaning. The pump should be robust, easy to use, and requires minimal maintenance.
3. Ultimate (total) pressure (absolute) should be 7 mbar/ 5 torr
4. Max. pumping speed should be 60 ( $\pm 10$ ) Hz 2.3 ( $\pm 0.2$ ) m<sup>3</sup>/h, Motor power should be 200 ( $\pm 20$ ) watt, Max. permitted outlet pressure should be 1.3 bar ( $\pm 0.2$ ).
5. Operating temperature should be 10–45 ( $\pm 5$ ) °C, humidity should be 30-80% ( $\pm 5$ ).
6. A-weighted emission sound pressure level should be 45 dB (A), uncertainty KpA, 3 dB (A).
7. Inlet/outlet port hose nozzle should fit 10 mm tube size; the rated motor should run in the range of 50-60 Hz at the speed of 1500-1800 rpm.
8. The pumps should have appropriate provision for plugging in Indian supply line.
9. The information for the above specification needs to be provided in the form of original brochure by the firm at the time of submitting bid. A vendor will be qualified technically when the same technical specification verified on their web page
10. For both the gel dryer and pump the vendors should provide three years of warranty. The vendor should provide copies of two purchase orders where the product was installed in govt. institutes in last 3 years.

## **INSTRUCTIONS**

1. The Quotation should be addressed to the Assistant Registrar (S&P), IISER Mohali invariably giving on the envelop Reference number with due date and time of submission of quotation.
2. One time importers from China with custom made specifications are highly discouraged.
3. 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.
4. 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 outside India please mentions the Ex-works/FOB/FCA/CIF/CIP price clearly.
5. 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.
6. THE INSTITUTE IS EXEMPTED FROM EXCISE AND CUSTOM DUTY.
7. SALES 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.
8. The delivery period should be specifically stated. Earlier delivery will be preferred
9. The firms are requested to give 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.
10. Validity of offer: 90 days. Firm should replace all manufacturing defect parts/ whole item under warranty period without any extra cost including clearance, freight, taxes. Security deposit/ Bank Performance guarantee for 10 % of the value of supply order as per norms may be sought from firms.
11. Late or delayed quotation will not be accepted.
12. 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. For any corrigendum and addendum please regularly visit our website.