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No. : PUR/2016-17/IND41496

September 05, 2016

Last Date of Receipt: 20.09.2016

Date of Opening: 21.09.2016 at 11.00 AM

**Sub : Request for Tender/Quotation/Proforma .**

Dear Sir

CSIR-IMTECH, Director is interested to procure the items mentioned below. You are requested to submit your tender/quotation/proforma invoice along with your complete terms & conditions of suppl. Please provide a copy of the technical literature and the specifications of these items in a properly sealed envelope. Please refer all the terms & conditions carefully before submission of the tender/quotation/proforma invoice.

SNo.	Name of Item	Catalogue No.	Qty
1	Multivapor with Vacuum Controller and Vacuum Pump (Specifications pasted below)	-----	01

#### **Important**

- Please mention our reference number on the envelope and address all correspondence to Director IMTECH Chandigarh only.
- Please quote strictly as per our specifications. Please attach compliance sheet
- Tender/Quotation received after due date/late tender will not be considered at all.
- Your Quotation must be duly signed, stamped and reach directly to IMTECH. Principal manufacturer will have to quote directly. If the principal manufacturer does not quote directly, authorised Indian distributor/dealer/agent may quote alongwith authorization certificate of principal. If the principal quote directly, the offer of Indian distributor/dealer/agent will not be accepted. (Refer GCC).
- Attach the proprietary article certificate, if the quoted product is Proprietary item.
- EMD Rs ..... must be deposited along with quotation
- Bid Security and Performance Security: The firm registered with DGS&D, NSIC, Govt. Public Undertakings, Central Autonomous Bodies and with the CSIR Labs./Institute, if any, are exempted from payment of Bid Security provided such registration includes the item they are offering which are manufactured by them and not for selling products manufactured by other companies..

#### **General Conditions of the Contract**

- Cost: Mention the price of the material in the FOB/FCA/CIF/CIP including inland freight value only. **Cost of Packing, Forwarding, Freight, Transportation, Insurance charge must be mentioned invariably, failing which offer is liable to be rejected.**
- CSIR-IMTECH is registered under Certificate for Custom/Excise Duty Exemption Notification No. 51/96 dated 23.07.1996 and import materials under this notification. Our IEC No. 0588137685. Accordingly manufacturer/bidder will have to submit offer.
- Offer rates for indigenous items in rupees. **Offer in rupees must be FOR IMTECH. Charges for Sales Tax/VAT/Service Tax/Freight/insurance/transportation and other levies, if any, must be mentioned invariably, failing which offer is liable to be rejected.**
- ***As per the compulsory enlistment scheme of the Department of Expenditure, Min of Finance, it is compulsory for Indian Agents, who desire to quote directly on behalf of their foreign principals, to get themselves enlisted with Central Purchase Organisation (eg DGS&D). However, such enlistment is not***

**equivalent to registration of supplier as registration of vendors. This is mandatory w.e.f. 01.08.2016. Indian Agents who are not enlisted with DGS&D, their bids will be summarily rejected.**

- Agency Commission: Mention the percentage of Indian Agency Commission payable to commission Indian Agent in INR and also mention the name of your authorized Indian Agent/Representative, Pro-forma invoice without mentioning Indian Agency Commission will not be considered at our end.
- Validity: The validity of your pro forma invoice should not be less than 180 days from the date of opening.
- Warranty: Mention the warranty period of equipment after satisfactory installation. 10% Bank Guarantee is to be submitted by you/your Agent for the Equipments costing Rs.25 Lac & above
- Equipment/Instruments are required to be commissioned/installed/demonstrated successfully by the principal or by their authorized supplier/bidder.
- Please note that being a Govt. Organization we cannot make Advance Payment. Payment will be released within 30 days through RTGS. Provide banking details.
- Photocopies of latest price list, if applicable, may be enclosed as applicable in Indian Market.
- Ensure that quoted price will not be higher to any other customers in India to whom this particular item have been sold particularly to govt. of India Organization.
- Enclose 2-3 order copies of the past purchase order, if any, of the same item quoted or for similar items.
- Sent a certificate that the equipment is of latest technology & will not be obsolete within 5 years after warranty
- Ensure that all essential spares parts of this equipment will available in India with your Indian Agent as and when required.
- Provide the list of the users in India of the same equipment along with their contact / email address.
- Enclose a copy of agreement with your authorized Indian Agent.  
FAX : 0091-172-2636683, 2690632 email : [purchase@imtech.res.in](mailto:purchase@imtech.res.in)
- TEL : 0091-0172-6665363 website : [www.imtech.res.in](http://www.imtech.res.in)

(Mohinder Kumar )  
Stores & Purchase Officer  
Institute of Microbial Technology  
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### **Specifications Evaporatory System**

1. Multi-evaporator for parallel evaporation of more than 10 samples using vacuum.
2. Should be able to use with sample volume of 1-30ml. Sample vessels should be transparent for sample viewing during evaporation process.
3. There should be no cross-contamination of samples.
4. The set point and actual temperature should be displayed.
5. The sample preparation rack should be provided.
6. Temperature range: From room temperature to 95°C
7. Temperature deviation of less than  $\pm 5^{\circ}\text{C}$
8. Orbital or circular movement of sample flasks/tubes.

### **Specifications for vacuum controller**

9. LCD display should be provided for adjusting the parameters such as rotation speed, bath and coolant temperature, pressure, process time etc.
10. Should have the ability to perform pressure gradient, as well as aeration with timer.
11. Ability to perform Clock-wise, anti-clockwise or orbital rotation of evaporating flask. Integrated aeration valve and precision pressure sensor.
12. Automatic aeration when pressure is above 1000 mbar.
13. Integrated solvent database should be provided for setting up dynamic distillation conditions.
14. Integrated leak test to check possible leaks. Measuring range: 1000- 0 mbar.
15. Control range: ambient to 0 mbar.
16. Measuring accuracy should equal to or better than  $\pm 2$  mbar
17. Remote control of Rotavapor, Pump and Chiller. Woulff bottle should be included.

### **Specifications for vacuum pump**

18. Single stroke, Two Stage (Heads) Speed control diaphragm vacuum pump with suction capacity of more than  $1.7 \text{ m}^3/\text{h}$ .
19. Achievable vacuum upto  $5 \pm 2$  mbar.

20. Sound level should preferably be <50dBA.

**Specifications for re-circulating chiller**

21. Re-circulating chiller with a temperature range of -10 to 25° C
22. Pump Capacity: at least 2.0 liters/min
23. Tank Volume: more than 2.5 Lt.
24. Pump Pressure of more than 0.5 bar
25. Coolant: water – ethylene glycol mixture and it should be CFC Free

Other Requirements:

26. Warranty of all above components for 2 year.
27. All adapters and accessories to run the system should be provided.
28. 24 transparent sample vessels and their holders for sample volume of 1-30ml should be provided.