IISER Mohali

भारतीय विज्ञान शिक्षा एवं अनुसंधान संस्थान मोहाली

मानव संसाधन एवं विकास मंत्रालय, भारत सरकार द्वारा स्थापित
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IISER M(478)14/15 Pur.

Date : 01st January 2015

NOTICE INVITING QUOTATION

Sealed Quotations are invited on behalf of Director IISER Mohali for the purchase of following item so as to reach latest by 22nd January 2015 before 1 pm. The Quotations will be opened on the same day at 4 pm in the presence of tenderers, if any :-

Sr.	Description	Qty
01.	Magnetic stirrer with heating plate and optional sensors and contoller.	**04**
02.	Suitable digital temprature controller with temprature censor.	**04**
03.	Integrated metal rod.	**04**
04.	Boss head clamp.	**04**
05.	Sample flask holding rods.	**04**
06.	Carrier fixable at the top of the magnetic stirrers	**01**
07.	Aluminium block (8ml, 16ml, 20ml, and 40ml) (Detailed specifications attached)	**01 each**

Sd/-
(Mukesh Kumar)
Assistant Registrar (S&P)

INSTRUCTIONS

1. Inquiry will be sent by UPC/Courier/Speed Post and IISER Mohali will not be liable for any kind of postal delay.
2. The Quotation should be addressed to the Director IISER Mohali invariably giving on the envelop reference number, last date & time of receipt of tender and date & time of opening of the tender.
3. One time importers from China with custom made specifications are highly discouraged.
4. 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.
5. Firms will quote separately for each article.
6. 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. Suppliers outside India may please mention the FOB/FCA price clearly.
7. 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 payment towards any purchase, Letter of credit can be opened if required.
8. In case of foreign consignment CIF/FOB should be mentioned clearly. THE INSTITUTE IS EXEMPTED FROM EXCISE AND CUSTOM DUTY.
9. 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.
10. The delivery period should be strictly adhered, the firm have to execute the supply according to purchase order.
11. 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.
12. Validity of offer: 90 days.
13. Late or delayed quotation will not be accepted.
14. Service Facility: Please mention the nearest service centre to IISER Mohali and the time required to attend the call.
15. 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.

Magnetic stirrers with heating plate and optional temperature sensors and controller

Technical Specifications:

1. Powerful motor for stirring quantities of up to 10 L (H_2O) with variable rpm in the range of 150 to 1500 rpm.
2. Simultaneous digital display of target and actual temperature via LCD display through an external controller (should be provided as an optional).
3. Direct connection for a PT 1000 temperature sensor enable a precise temperature control (should be provided as optional).
4. Should be provided with a fixed safety circuit of 550 °C.
5. Should be provided with visual indicator for “Hot Top Surface” warning to prevent burns.
6. Should include digital error code display.
7. It should have an elevated control panel for protection against leaking liquids.
8. **Optional contact PT-1000 contact thermometer and temperature controller** for enabling precise temperature control should be quoted separately.
9. The heat/speed controlling knobs and entire portion of the stirrers should be resistant to common laboratory solvents.
10. **Optional accessories like metal rod, boss head clamp and sample flask holding rods** should be quoted separately.
11. **Optional and suitable accessories like carrier and aluminium blocks**, whose temperature can be controlled by inserting the sensor-controller, and are having different number of holes (ranging from 4 to 20) corresponding to variable volumes (8 ml, 16 ml, 20 ml, 40 ml etc.) should be quoted separately. (For parallel reactions)
12. Power cords and suitable plugs connectors should be included.
13. Should demonstrate the model, if it does not already exist in IISER, Mohali.
14. The magnetic stirrers should have the following specifications:

Number of stirring positions	1
Stirring quantity max. (H_2O)	10 l
Motor rating input	Approx. 15 W
Motor rating output	Approx. 1.5 W
Speed display	Should be indicated in scale
Speed range	0 - 1500 rpm
Stirring bar length max.	Approx. 80 mm
Heat output	Approx. 1000 W
Heating rate (1 l H_2O)	Approx. 5 K/min
Heating temperature range	50 - 500 °C
Heat control	Should be indicated
Heat control accuracy	10 ±K
Speed control	Variable scale
Fixed safety circuit	550 °C
Set-up plate material	Ceramic
Permissible ambient temperature	5 - 40 °C
Permissible relative humidity	80 %
Voltage	230 / 120 / 100 V
Frequency	50/60 Hz
Power input	1020 W