

INDIAN INSTITUTE OF TECHNOLOGY KANPUR
DEPARTMENT OF CHEMICAL ENGINEERING

Date: 13/11/2013

Tender for Hotplate with Stirrer

Enquiry No: CHE/SP-12/2013

Quotations are invited from interested parties for purchase of a hotplate with stirrer as per the following specifications.

Specifications

A. Heating Function

- | | |
|---------------------------------------|--|
| 1. Heating power: | Up to 900 W |
| 2. Heated zone: | Diameter of at least 155 mm |
| 3. Max. hot plates temperature: | 550 deg C |
| 4. Temperature sensor: | Pt 1000 |
| 5. Setting accuracy with temp sensor: | 1 deg C or better |
| 6. Controlling accuracy: | ± 2 deg C |
| 7. Hot plate top material : | glass ceramic (The glass ceramic top should be completely fused with body of the Hot plate, so that no liquid goes inside the hot plate stirrer) |
| 8. Hot plates area : | At least 230 x 230 mm (There should not be any heat conduction, outside the hot zone area) |
| 9. Temp. Indication/setting: | Digital LCD |

B. Stirring function:

- | | |
|---------------------------|------------------|
| 1.. Rpm range : | 100 – 1100 rpm |
| 2. Setting accuracy rpm: | 10 RPM or better |
| 3. Max. stirring volume: | 10 Liters |
| 4. RPM Indication: | Digital |
| 5. Maximum load capacity: | Up to 25Kg |

C.

The unit should be covered under the IP 20 rating

Please provide technical and financial bids in separate sealed envelopes.

In the document for technical bid, mention in tabular form the compliance to each of the above specifications. In addition, also provide:

- (i) Authorization Certificate, if any from the principal manufacturer

(ii) Technical specifications in detail

(iii) Warranty period: Minimum one year after Installation

(iv) List of clients and testimonials of services rendered. Those with a better record of after-sales services may be given preference.

Note: Payment terms will be as per IIT Kanpur rules. Validity of the quote should be for a minimum of 60 days.

Please send technical specifications and the financial bids in separate sealed envelopes to the undersigned clearly mentioning the following information by Nov. 22, 2013

Dr. Siddhartha Panda

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