

## Indian Institute of Technology, Delhi

### Notice Inviting Quotation

Date: 20<sup>th</sup> February, 2013

Sealed quotations are invited for a “**Micro Injection Molding Machine**”. The quotations should be submitted in a sealed cover (separate bids: technical and commercial) to **Prof. Naresh Bhatnagar**, Head, Central Workshop, Indian Institute of Technology Delhi, Hauz Khas, New Delhi 110016 on or before 14.03.2013 (Thursday). Late submission will not be considered.

The sealed Quotations are to be submitted in one envelope having two separate envelopes for;

A- Technical Quote (Technical Specifications only)

B- Financial Quote (Technical & Financial)

Both the envelopes A & B should be enclosed in an outer envelope, which should be sealed and addressed to, clearly mentioned on top right of the envelope “Quotation for “**Micro Injection Molding Machine**”.

Institute reserves the right to accept or reject any of the offers without assigning any reasons. The detailed specifications of each individual component of the system are given below:

#### **Specifications of Micro Injection Molding Machine fully Microprocessor controlled for Thermally Homogeneous flow of Engineering Polymers, Metals and Ceramics**

Clamp force	50 - 100 KN
Clamp speed	300-325 mm/sec
Opening force	4 - 6 KN
Opening stroke	30 – 110 mm
Ejector force	7.5 - 10 KN
Ejector stroke	45-50 mm
Plastification rate (PP)	1.8 -2.0g/sec
Injection speed	Min.50 mm/sec
Ejector speed out	Max.140 mm/sec
Ejector speed back	Max. 310 mm/sec
Hopper capacity	1-3 litres
Power	3- 5 KW
Heater capacity – Plast.	Min. 1000 W
Heater capacity – Cham.	Min. 460 W
Heater capacity – Nozzle	Min. 150 W
Piston/ screw diameter (mm)	10-12
Shot Volume (cm <sup>3</sup> )	Upto 3
Injection pressure (bar)	Upto 3
Shot wt. (gm )	Max. 5.0

## **Terms and Conditions**

**Envelope A: Technical Quote:** The following details are to be enclosed (Mention clearly on this envelope – Technical Quote)

1. Letter from the manufacturer specifically to quote for this tender is to be attached for the authenticity of dealership/ agency and the dealer should be an authorized service provider.
2. Technical brochures mentioning all details with complete address of the principals.
3. A compliance statement for required specifications should be attached.
4. Firm MUST provide a compliance statement vis-à-vis specifications in a “tabular form” clearly stating the compliance and giving justification, if any supported by technical literature with clear reference of page number, paragraph or lines. This statement must be signed, with the company seal, by the tenderer for its authenticity and acceptance that any incorrect or ambiguous information found submitted will result in disqualification of the tender. The quotation should be complete in all respects. (as per IIT-Delhi rules).
5. Any optional equipment / accessory advised to be included, if otherwise mentioned.
6. a) List and addresses of organizations [in India and abroad – with contact landline numbers] where the equipment has been supplied in last 3 years. b) Address in India where a live demonstration of the instrument can be arranged, if possible.
7. a) Details of similar equipment supplied to preferably Indian Institute of Technology/ National Institute of Technology/Indian Institute of Science, India specifying the Department/centre/lab to which the equipment was supplied, with references. b) Mention if the equipment is being maintained by your organization. Address of the technical office, in India, with telephone and FAX numbers. Please clarify the type of support available in India.
8. If quote is for imported equipment, Sole Agency-ship certificate on the letterhead of the principal company with current dates, if quotation is from an Indian Agent.
9. In the case the items are proprietary products of the company, a proprietary item certificate stating the same may be provided.
10. Specifications form should be similar to the given major specifications.

**Envelope B: Financial Quote:** The following details are to be enclosed/ ensured. (Mention clearly on this envelope – Financial Quote)

1. The quotations for the equipment in foreign exchange, if it is to be imported. The cost of spares and optional equipment are to be quoted separately. The cost should be based on FOB, Factory. If equipment is indigenous, the quote should be in INR.
2. Taxes, terms and conditions should be clearly mentioned.

3. Institute makes payment after delivery and successful installation. The payment is by RTGS for which NEFT form need to be duly filled and complied. In case the payment terms are different, it should be mentioned clearly. If equipment is to be imported, the address of the company in whose name the LC is to be opened should be stated.
4. Payment terms and conditions should be clearly mentioned. No advance payment is given by IIT Delhi for capital equipments.
5. Vendor should get a fresh certificate directly from their product principal's clearly mentioning about warranty for three years of the equipment to be delivered from the date of installation.
6. The details of the AMC after the warranty period should be clearly mentioned.
7. Cost for Installation and training at site, if needed, to be provided.
8. Validity of the quotation should be at least four months. Vendors will do the installation and demonstration of the equipment at IIT Delhi premises without any additional charges.
9. The delivery period to be clearly specified and should be at the earliest.

**Prof. Naresh Bhatnagar**

Head, Central workshop

IIT Delhi - 110016