

**Indian Institute of Technology, Delhi**

**Notice Inviting Quotation**

Date: 06<sup>th</sup> February, 2014

Sealed quotations are invited for an item “**Compression molding machine**”. The quotations for item should be submitted in a sealed cover (separate bids: technical and commercial) to Dr. S. Mukhopadhyay, Assistant Professor, Room No. 105, Textile Department, Indian Institute of Technology Delhi, Hauz Khas, New Delhi 110016 on or before 21.02.2014 (Friday). Late submission will not be entertained.

The sealed Quotations are to be submitted in two separate envelopes;

A- For Technical Quote (specification)

B- For Financial Quote

Both these envelopes should be enclosed in an outer envelope, which should be sealed and addressed to, clearly mentioned on top right of the envelope “Quotation for **Compression molding machine**”.

Institute reserves the right to accept or reject any of the offers without assigning any reasons.

The item “Compression molding machine” comprises of major components such as

The detailed specifications of each individual component of the item are given below.

Item Name	<b>Compression molding machine</b>	
S. No.	Parameter	Description
1	Clamping Force	Minimum 30 Tons
2	Heated Platens	Yes
3	Daylight Opening (in)	Min : 6” – 12”
4	Stroke	Min : 6”
5	Shut daylight	Min: 0” – 6”
6	Four Columns	Self-contained ¼ HP hydraulic unit
7	Heated and cooled platen package including	<ul style="list-style-type: none"><li>• Two (2) 15" x 15" electrically heated platens cored for air &amp; water cooling</li><li>• Automatic Platen cooling including manifolds &amp; hoses</li><li>• Maximum temperature for platens : At least 340 deg C</li><li>• All temperature through PLC with selectable auto reheat</li><li>• Digitally controlled cartridge heaters for platens</li></ul>

8	Temperature accuracy	$\pm 1^{\circ}$ C. Temperature would be measured at least twelve points spread on the platen. The difference should not be more than $\pm 1^{\circ}$ C.
9	Programmable control system	<ul style="list-style-type: none"> <li>• Proximity switch for adjustable slowdown position</li> <li>• Full touch screen interface</li> <li>• Minimum 10 recipe storage capability</li> <li>• Minimum of 20 Programmable set points of clamp force, cure time and temperature per recipe</li> <li>• Option of being programmable in force units of Kg, US Tons, Metric Tons &amp; Pounds</li> <li>• Option of being digitally programmable in temperature units of degree F or C</li> <li>• Automatic bump sequence (can be programmed in any or all segments)</li> <li>• Either force or temperature mode can be chosen per segment.</li> </ul>
10	Operator safety	<p>a) Two hand "anti-tie-down" close buttons</p> <p>b) Interlocked safety enclosure with hinged door</p>
11	Adjustable proximity switch	For slowdown position
12	Electrical supply	230 Volt, 1PH Supply Voltage Electrical disconnect (non-fused)
13	Dimensions:	Maximum 47" L-R x 25" F-B x 54" H (uncrated)
14	Weight	Maximum 1,500 Lbs (uncrated)

**Envelope A: Technical Quote: The following details are mandatory 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 authenticity of dealership/ agency and the dealer should be 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 tendered 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 separately.
6. It is mandatory to give the name of at least four research or educational institutions **outside India**, where the supplier has installed hydraulic compression moulding machine (same or similar model they are quoting for from same company) for at least one year. They should give the name of the department, name and address of the institute, for verification. This should be supported by publications in international journals [one each for each institute quoted where the equipment has been supplied] where a mention of use of this instrument should be highlighted in the research paper. Vendors need to send the printed copy of such publications and these would be verified online.
7. a) Details of similar equipment supplied to reputed institutes, 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, and contact person. 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, 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. Points 1-7 are mandatory to be sent. Points 8,9 can be clarified, if applicable. Non-conformity to points 1-7 would result in disqualification.

**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 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. 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 encouraged by IIT Delhi.
5. Vendor should get a fresh certificate directly from their product principal's clearly mentioning about terms of warranty of the equipment to be delivered from the date of installation.
6. The details of the AMC after the warranty period.
7. Cost for Installation and training at site, if needed, to be provided.
8. Validity of the quotation should be at least three months. Vendors will do the installation and demonstration of the equipment at IIT Delhi premises without additional charges.
9. The delivery period to be clearly specified.