



CENTRAL WORKSHOP

Indian Institute of Technology Madras

Chennai - 36

Form for Inviting Quotations

To

Date: 06.04.2015

Ref. No.: CWS/2015-16/ENQ/01

Dear Sirs,

DUE DATE: 20.04.2015

1. Quotations are invited in duplicate for the various items shown in Enclosed list.
2. The Quotations duly sealed and super scribed on the envelope with the reference No. and due date, should be addressed to the undersigned so as to reach him on or before the due date stipulated above.
3. **Technical and financial bids are to be submitted in separate sealed envelopes. The envelopes should be clearly marked as "Technical bid" and "Financial bid" respectively.**
4. The Quotations should be valid for sixty days from the due date and the period of delivery required, warranty terms etc. should also be clearly indicated. A minimum of one year warranty required.
5. Brochure detailing technical specifications and performance, list of industrial and educational establishments where the items enquired have been supplied must be provided.
6. Compliancy certificate is to be provided indicating conformity to the technical specifications.
7. If the item is under DGS&D Rate contract No. and the price must be mentioned. It may also please be indicated whether the supply can be made direct to us at the Rate contract price (Please note that we are not Direct Demanding Officers). If so please send copy of the RC.
8. Relevant literature pertaining to the items quoted with full specifications (and drawing, if any) should be sent along with the Quotations, wherever applicable. Samples / machine/ equipment if called for should be submitted / demonstrated at free of charges, and collected back at the supplier's expenses as per the time schedule provided.
9. Packing and delivery charges must be clearly indicated.
10. The rate of sales / General Taxes and the percentage of such other taxes legally leviable and intended to be claimed should be distinctly shown along with the price quoted. Where this is not done, no claim for Sales / General Taxes will be admitted at any stage and on any ground whatsoever The taxes leviable should take into consideration that we are entitled to have concessional Sales Tax applicable to non Government Educational Institutions run with no profit motive for which a concession. Sales Tax Certificate will be issued at the time of final settlement of the bill.
11. Goods should be supplied carriage paid and insured.
12. Goods shall not be supplied without an official supply order.
13. Payment : Every attempt will be made to make payment within 30 days from the date of receipt of bill / acceptance of goods, whichever is later

Yours faithfully,

M. S. Srinivasan

The Professor in-charge, Central Workshop, IIT Madras

प्राध्यापक प्रभारी / Professor Incharge
केन्द्रीय कार्यशाला / CENTRAL WORKSHOP
भारतीय प्रौद्योगिकी संस्थान मद्रास
INDIAN INSTITUTE OF TECHNOLOGY MADRAS
चेन्नै - ६०० ०३६. / Chennai - 600 036

P.H.S.
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ANNEXURE - I

Ref. No.: CWS/2015-16/ENQ/01

Date: 06.04.2015

DUE DATE: 20.04.2015

SL. No	Description	Quantity in nos.
1	<p>Rapid Prototyping Machine (3D printer) with the following features:</p> <ul style="list-style-type: none"> • Build size up to 125 X 125 X 125 mm. • Layer thickness should be at least 0.15 – 0.2 mm or less. • Surface finish of the product should be at least 0.15 to 0.25 micrometer. • For fast and flexible prototyping of various parts/models and product laying by Fusion Deposition process. • Compact model for prototyping. • Instrument should be able to prototype using ABS Thermoplastics. • The machine should be capable of prototype / produce complex geometry (including under-cuts, overhangs etc) and automatic generation of support structure, which can be removed by soluble / melting process. • Prototyping process has to be safe and clean and should not emit harmful radiation, hazardous or toxic fumes. The operation of the machine and part generation should be on a closed chamber, working unattended. • The instrument should come with a support cleaning system. Support removal to be automated and should not have undesired holes or manual techniques to remove trapped material in hollow part builds. • Vendors to quote for all the accessories and consumables for handling the machine and also quote for automated and hands free feed for the raw materials. Raw materials of various colors to be quoted. • The instrument should have easy to use computer interfacing and communication using LAN or USB or RS232 ports. • Software should be bundled with the equipment from the Original machine manufacturer (OEM) with Windows XP/Windows 7 compatibility. • The software should have the following features: <ul style="list-style-type: none"> ○ Automatic pre-processing with slicing ○ Support generation 	One unit


M. S. Srinivasan
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	<p>○ Time and material estimate</p> <ul style="list-style-type: none"> • Standard power supply to be included with the instrument. • The Manufacturer should have authorized Sales and Service representative in India. • Minimum cooling time after laying the model. • The minimum tensile strength of the specimen prepared using the quoted machine should be 32 MPa. • Dimensions and testing of specimen as per ASTM D638 for polymeric materials. 	
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Note:

- * **Technical and financial bids are to be submitted in separate sealed envelopes. The envelopes should be clearly marked as "Technical bid" and "Financial bid" respectively.**
- * Installation & commissioning, application support and hands on training at IIT Madras to be provided.
- * Warranty details to be provided
- * Supplier should provide computer system requirements with quotations.
- * Supplier should demonstrate the quoted product at IIT Madras for robustness and consistency as per the time schedule provided to them.
- * List of machines supplied to various customers with their contact details around Chennai should be submitted with technical bid.
- * AMC charges after warranty period should be submitted with financial bid.
- * The sealed quotation to be sent to
The Professor in-charge
Central Workshop building
IIT Madras
Chennai - 600036.


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