



CENTRAL WORKSHOP

Indian Institute of Technology Madras

Chennai - 36

Form for Inviting Quotations

To

Date: 20.02.2013

Ref. No.: CWS/2012-13/ENQ/12

Dear Sirs,

DUE DATE: 04.03.2013

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. Otherwise the quotation will not be considered.**
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.
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 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,

uhrs
**SR. TECH. OFFICER
 CENTRAL WORKSHOP
 IIT MADRAS, CHENNAI-36.**

Nasab
 The Professor in-charge, Central Workshop, IIT Madras

Professor Incharge
 CENTRAL WORKSHOP
 INDIAN INSTITUTE OF TECHNOLOGY MADRAS
 CHENNAI - 600 036.

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ANNEXURE – I

Ref. No.: CWS/2012-13/ENQ/12

Date: 20.02.2013 DUE DATE: 04.03.2013

SL. NO.	DESCRIPTION	QUANTITY
1	<p>CNC ROUTER MACHINE With the following specifications:</p> <ul style="list-style-type: none"> * CNC router machine for cutting 2D & 3D profiles. * Maximum job size: 1200mm X 1200mm X 80mm * Materials that can be cut: Wood, Plastics, Composites, non-ferrous metals (aluminium, copper, graphite etc.) * XYZ axis traverse: 1200 x 1200 x 100mm * XYZ positioning accuracy: 0.1mm / 300mm * Table surface: T-slot table * XY structure: Rack and pinion drive with linear bearings * Spindle motor: 2.5 to 4 HP air-cooling spindle, 0-24,000 rpm * Feed rates: rapid: 4000mm/min, feed max.: 2000mm/min. * Driving system: stepper motors * XY resolution: 10 micros. * Operating system: DSP based 5-axis CNC controller, can be interfaced with PC. * Pen plotter attachment for part-program verification * Interface: USB * 3D tool path generation software * Router should have ability to do profile cutting of various materials like plastics (nylon, ABS, acrylic, polycarbonate etc.), wood (plywood, MDF, novapan etc.), composites (FRP, hylam resin based sheets etc.) and soft non-ferrous metals like aluminium, copper, ACP sheets etc. * Dust collection system * Tools for cutting, engraving hot-wire foam cutting & vinyl sticker cutting. (Details must be furnished in the quotation) * Collets for set of tools to be supplied. * Vision system for part registration and measurement * Personal computer with monitor. Detailed configuration should be provided. 	1 NUMBER

Note:

1. 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. Otherwise the quotation will not be considered.
2. Detailed configuration for quoted computer system should be provided.
3. The sealed quotation to be sent to

The Professor in-charge
Central Workshop building
IIT Madras, Chennai-600036.

with
**SR. TECH. OFFICER
CENTRAL WORKSHOP
IIT MADRAS, CHENNAI-36.**

P.H.

N. S. Babu
Professor Incharge
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