



**Mechanical Engineering Department**  
**Indian Institute of Technology Madras**  
 Chennai - 600036

**Form for Inviting Quotation(s)**

To

Date: 14<sup>th</sup> Feb 2013  
 Ref. No.: ME/ MES/1301

**DUE DATE: 28<sup>th</sup> FEB 2013**

Dear Sirs,

1. Quotations are invited in duplicate for the item shown in Enclosed list (Annexure I).
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. Both these sealed envelopes must be sent in a single sealed packet. 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/research 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,

J. J.

Head, Department of Mechanical Engineering, IIT Madras

**HEAD**  
**DEPARTMENT OF**  
**MECHANICAL ENGINEERING**  
**I.I.T., MADRAS-600 036**

## ANNEXURE - I

2/2

Ref. No.: ME/ME1301

Date: 14.02.2013

DUE DATE: 28.02.2013

SL. NO.	DESCRIPTION	QTY																																				
1	Horizontal axis reciprocating type surface grinding machine.  <b>Specification</b>	01																																				
	<table border="1"> <tr> <td colspan="2"><b>1. Longitudinal reciprocation motion</b></td> </tr> <tr> <td>Clamping area of the table</td> <td>200x450 mm (minimum)</td> </tr> <tr> <td>Table drive</td> <td>Hydraulic</td> </tr> <tr> <td>Variable table speeds</td> <td>2-20 m/min (range)</td> </tr> <tr> <td colspan="2"><b>2. Vertical axis (for downfeed)-drive system and others</b></td> </tr> <tr> <td>Incremental down feed</td> <td>≤0.001mm</td> </tr> <tr> <td>Drive and control</td> <td>AC Servo, CNC controlled (standard).</td> </tr> <tr> <td colspan="2"><b>3. Cross feed (Automatic)</b></td> </tr> <tr> <td>Incremental movement</td> <td>≤0.010 mm</td> </tr> <tr> <td colspan="2"><b>4. Grinding wheel and spindle</b></td> </tr> <tr> <td>Grinding wheel size</td> <td>Diameter 100mm (minimum)</td> </tr> <tr> <td>Maximum operable wheel RPM</td> <td>6000 r.p.m or above</td> </tr> <tr> <td>Control of spindle drive</td> <td>Power: ≥ 5HP, spindle with freq converter</td> </tr> <tr> <td>Spindle run out</td> <td>≤0.015 mm</td> </tr> <tr> <td colspan="2">Spindle should be able to run metal bonded CBN/diamond wheel</td> </tr> <tr> <td><b>5. Cooling system</b></td> <td>Standard with paper filter</td> </tr> <tr> <td colspan="2"> <b>Others:</b> <ul style="list-style-type: none"> <li>Standard accessories should be clearly mentioned</li> <li>Optional accessories should be quoted separately</li> </ul> </td> </tr> <tr> <td colspan="2"> <b>Warranty: 1year or more</b>  <b>For foreign purchase: quotation should be Ex-work or CIF-Chennai</b> </td> </tr> </table>	<b>1. Longitudinal reciprocation motion</b>		Clamping area of the table	200x450 mm (minimum)	Table drive	Hydraulic	Variable table speeds	2-20 m/min (range)	<b>2. Vertical axis (for downfeed)-drive system and others</b>		Incremental down feed	≤0.001mm	Drive and control	AC Servo, CNC controlled (standard).	<b>3. Cross feed (Automatic)</b>		Incremental movement	≤0.010 mm	<b>4. Grinding wheel and spindle</b>		Grinding wheel size	Diameter 100mm (minimum)	Maximum operable wheel RPM	6000 r.p.m or above	Control of spindle drive	Power: ≥ 5HP, spindle with freq converter	Spindle run out	≤0.015 mm	Spindle should be able to run metal bonded CBN/diamond wheel		<b>5. Cooling system</b>	Standard with paper filter	<b>Others:</b> <ul style="list-style-type: none"> <li>Standard accessories should be clearly mentioned</li> <li>Optional accessories should be quoted separately</li> </ul>		<b>Warranty: 1year or more</b> <b>For foreign purchase: quotation should be Ex-work or CIF-Chennai</b>		
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**SPECIAL NOTE:**

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The QUOTATION to be sent to:

(Kind Attention: Head, Manufacturing Engg. Section)

The Head,  
Department of Mechanical Engineering  
IIT Madras  
Chennai-600036.  
INDIA