NOTICE INVITING QUOTATIONS

Quotations are invited for a double action hydraulic press for sheet metal forming with the following technical specifications.

**Technical specifications**

1. Type of the press: Double action hydraulic press for sheet metal forming preferably with die cushion from bottom.
2. Construction: 4 pillar/column type
3. Total capacity of the press: 60 ton
4. Main ram capacity: 40 ton
5. Blank holder ram capacity: 20 ton
6. Main cylinder stroke (min): 450 mm
7. Blank holder ram stroke (min): 300 mm
8. Day light gap: 600 mm
9. Bed size (min): 500 x 500 mm
10. Table height from floor level: 750 mm
11. Mode of control: The press should have PLC with displacement control and speed control for the main ram. Desirable speed range 0.1mm/sec to 10mm/sec. The displacement resolution should be 0.05 mm or lower.
12. The machine should be equipped with the required instruments and software for acquiring load-displacement data during the operation.

**Note:**

1. All the technical specifications along with make should be clearly mentioned in the quotation.
2. Validity: Quotations should be valid at least for a period of 90 days.
3. Additional costs like taxes, shipping, if any, should be clearly mentioned.
4. Details of warranty should be clearly mentioned.
5. **Terms of payment:** Letter of credit or after installation within 30 days.
6. NEFT mandate form should also be enclosed.
7. **Institute's rights:** IIT Delhi reserves the right to accept or reject any or all quotations.
8. **Submission of Quotations:** Technical and commercial bids in separate sealed envelopes should be submitted in a sealed cover to "Prof. D. Ravi Kumar, Dept. of Mechanical Engineering, (Block-II, 357), Indian Institute of Technology Delhi, Hauz khas, New Delhi -110016, India" latest by 4.00 PM on 21st March 2013.

Prof. D. Ravi Kumar  
Department of Mechanical Engineering, IIT Delhi