

INDIAN INSTITUTE OF TECHNOLOGY, DELHI
MECHANICAL ENGINEERING DEPARTMENT

24th Nov, 2015.

NOTICE INVITING QUOTATIONS

Quotations are invited for upgradation of an existing manually operated double action hydraulic press of 100Ton capacity in Mechanical Engineering Department of IIT Delhi with the following technical specifications.

Technical Specifications

1. Mode of control : HMI with PLC
2. Mode of operation : Auto and Manual cycles using HMI display
3. Pressing speed range (Main ram) : 0.2 to 4mm/sec with resolution 0.1mm/sec
4. Fast Approach speed : Maximum upto 30 mm/sec
5. Displacement control resolution : 0.1mm
6. Secondary ram force : Maximum 30 Ton with resolution 30kg
7. LVDT : 350mm stroke with 0.02mm least count
8. Hydraulic Power Pack modification with suitable proportional and directional valves for controlling speed and displacement.
9. Electrical Control Panel with electrical wiring and enclosure.
10. Data acquisition software (SCADA) for acquiring load and displacement data.

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. **Applicable taxes** should be clearly mentioned.
4. Details of warranty should be clearly mentioned.
5. **Terms of payment:** Full payment 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 11th December 2015.**

Prof. D. Ravi Kumar

Department of Mechanical Engineering, IIT Delhi